

# A Complete Bibliography of Publications in *Computer Physics Communications*: 2020–2029

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31 December 2024

Version 1.43

## Title word cross-reference

(1 + 1) [SP20, SLZ<sup>+</sup>24]. (3 + 1) [DH20].  $(zI - H)x = b$  [HKY<sup>+</sup>21]. 1  
[BGW<sup>+</sup>22, GTB24, JDD<sup>+</sup>21, LEE<sup>+</sup>21a, MPH<sup>+</sup>24, Sch21, TCSA21, WJB21,  
WKBW21, YYZ<sup>+</sup>22, ZGW20]. 1/1 [ZJM<sup>+</sup>21]. 2 [ALB22, BRAC23, BKRG22,  
CAC<sup>+</sup>22, CEKR24, GUW<sup>+</sup>22, LEE<sup>+</sup>21a, LS22, LCB25, NT24, RMCC22,  
RFBF20, SLDF<sup>+</sup>21, SCL22, WWB22, WKBW21, YNV22]. 2/1 [ZJM<sup>+</sup>21]. 3  
[ATC<sup>+</sup>23, BKP22, CZS<sup>+</sup>21, CCW20, DFG<sup>+</sup>23, DRZ<sup>+</sup>21, DBH<sup>+</sup>22, GTE21,  
GPM<sup>+</sup>21, GSL<sup>+</sup>23, GOS<sup>+</sup>22, IGL<sup>+</sup>24, JLW24, KWZ24, KNJ<sup>+</sup>23, LG21b,  
LLZ<sup>+</sup>23, LLH<sup>+</sup>21b, MMP20, NUK<sup>+</sup>22, NSY<sup>+</sup>23, PMS<sup>+</sup>20a, PGYF21,  
SBB<sup>+</sup>24, WZC21, WT22, XFH<sup>+</sup>22, XLG<sup>+</sup>23, YNV22, YHY<sup>+</sup>21, YKY<sup>+</sup>22,  
ZL20]. 3 + 1 [Tor20]. 3j [XWYQ21].  $^1\Sigma$  [BGHC23].  $^2$  [YLH<sup>+</sup>20].  $^3$  [UYS22]. 3  
[DSW<sup>+</sup>23].  $n$  [FLW<sup>+</sup>23].  $\alpha$  [CWZ<sup>+</sup>24].  $B_0$  [BGW<sup>+</sup>22].  $C$   
[FFTV23, NBCMH20].  $\delta f$  [SNP<sup>+</sup>20, YC20].  $e$  [Dry21].  $e^+e^-$   
[ABWZ23, SY20].  $f$  [BKRG22, CJD<sup>+</sup>20, Ken24, MSU<sup>+</sup>21, SBB<sup>+</sup>24].  $f = 1$   
[BKRG22].  $F_1$  [BP25].  $F_2$  [ABF<sup>+</sup>23a].  $F_3$  [BP25].  $F_D^{(3)}$  [BP25].  $F_S^{(3)}$  [BP25].  
 $\gamma$  [BKS24b, CB25, Kut24].  $H\Phi$  [IKM<sup>+</sup>24].  $i$  [MEH21].  $jj$  [GF21].  $K$   
[Bzo21, Ken24].  $\kappa$  [SLIC24].  $k \cdot p$  [ZYL<sup>+</sup>23].  $K\omega$  [HKY<sup>+</sup>21].  $L$  [FFTV23].  $L^2$



[Yan24a].  $M_2$  [Par21].  $M_{n+1}$  [FLW<sup>+</sup>23].  $\mu$  [Bie21].  $N$  [ABB<sup>+</sup>24a, GSB22].  $\nu$  [Bie21, GLW<sup>+</sup>23].  $O(a)$  [FFLR20].  $O(N)$  [Kut20, LYX22].  $O^2$  [KvH21].  $p_T$  [AFJ<sup>+</sup>23].  $\partial$  [MFS<sup>+</sup>22].  $q$  [MMP<sup>+</sup>24].  $R$  [BAB<sup>+</sup>20, FMCB<sup>+</sup>20, MBG<sup>+</sup>20, PFG22, WBvdH20, BBV<sup>+</sup>22, BL21].  $S$  [BDdM20, CKT21].  $S_N$  [LEE<sup>+</sup>21a, WLL22].  $SO(3)$  [ST23a].  $SU(3)$  [DLD<sup>+</sup>21].  $T$  [BFCR24].  $\tau \rightarrow 3\pi_\tau$  [CV24].  $\Theta\Phi$  [PTD20].  $U(1)$  [SKM<sup>+</sup>21].  $X$  [ZWP<sup>+</sup>22, ST23b].  $Z'$  [AES21].

**-Adaptive** [BBV<sup>+</sup>22, BL21]. **-Cascade** [CB25]. **-component** [ABB<sup>+</sup>24a]. **-coupling** [GF21]. **-D** [YYZ<sup>+</sup>22, WZC21, XFH<sup>+</sup>22, ZGW20]. **-dimensional** [DH20, SLZ<sup>+</sup>24]. **-explorer** [AES21]. **-from-** [Bie21]. **-function** [BDdM20]. **-improved** [FFLR20]. **-matrix** [Kut24, WBvdH20, BAB<sup>+</sup>20, FMCB<sup>+</sup>20, MBG<sup>+</sup>20]. **-matrix-based** [BFCR24]. **-model** [CKT21]. **-point** [LG21b]. **-space** [ZWP<sup>+</sup>22]. **-symbols** [XWYQ21].

**.Net** [Gro22, GOS<sup>+</sup>22].

**/MOC** [WLL22]. **/Python** [ZGK<sup>+</sup>24].

**0D** [DTC20]. **0D-2P** [DTC20].

**1** [Dau23, DZF25, RDR<sup>+</sup>20]. **1-D** [Dau23]. **1-D/3-D** [Dau23]. **1.0** [DCRF23, DMS<sup>+</sup>22, OEI<sup>+</sup>22, WBM<sup>+</sup>24]. **1.2** [DP21]. **1.3** [Di 22]. **10** [SMO25]. **102** [IKM<sup>+</sup>23]. **11-species** [YKYK23]. **147** [MSHP20]. **147/3** [MSHP20]. **185** [AAT<sup>+</sup>20]. **198** [Ano20c]. **1D** [RDR<sup>+</sup>20, YZHL22].

**2** [Din25, KKM<sup>+</sup>20, PSK<sup>+</sup>24]. **2.0** [BMS<sup>+</sup>23, BBA25, BFMA<sup>+</sup>24, CTPS22, CK23, DB24, FKS20, JZW<sup>+</sup>22, KLMU21, Lat23, MSG<sup>+</sup>21, NAZ<sup>+</sup>22, RZY<sup>+</sup>24, TRB<sup>+</sup>20a, YKK<sup>+</sup>23a]. **2.01** [KOT23]. **2.1** [ABB<sup>+</sup>22]. **2.14** [BHH<sup>+</sup>20]. **2.2** [SZY<sup>+</sup>22]. **2.2.1** [SZY<sup>+</sup>22]. **2/3D** [PSK<sup>+</sup>24]. **2020** [Ano20a, Ano20b, Ano20q, Ano20r, Ano20t, Ano20u, Ano20v, Ano20x, Ano20y]. **2021**

[Ano21b, Ano21c, Ano21s, Ano21r, Ano21v, Ano21w, Ano21x]. **2022** [Ano22b, Ano22c, Ano22p, Ano22q, Ano22s, Ano22r, Ano22t, Ano22u, Ano22v, Ano22w, Ano22x]. **2023** [Ano23a, Ano23b, Ano23c, Ano23p, Ano23q, Ano23s, Ano23r, Ano23t, Ano23u, Ano23w, Ano23v, Ano23x, CZB<sup>+</sup>23, LZP<sup>+</sup>24, MPZB<sup>+</sup>24, SZT24, SVJ<sup>+</sup>24, ZXT23]. **2024**

[Ano24a, Ano24b, Ano24c, Ano24p, Ano24q, Ano24s, Ano24r, Ano24t, Ano24u, Ano24v, Ano24w, Ano24x, MBJB24]. **2025** [Ano25d, Ano25e, Ano25f]. **228** [SJY20]. **250** [SCA<sup>+</sup>24]. **264** [MKPW22]. **269** [ZYX22]. **271** [YNV23]. **287** [Och23a]. **298** [MOMO25]. **2D** [YNV23, CAC<sup>+</sup>22, JLL<sup>+</sup>24, YZHL22]. **2D/1D** [YZHL22]. **2D/3D** [JLL<sup>+</sup>24]. **2DMAT** [MYM<sup>+</sup>22]. **2HDECAY** [KMS20b]. **2P** [DTC20]. **2V** [TCSA21].



**3** [AKK<sup>+</sup>24, DSSW22, DKM<sup>+</sup>24, Hal21, KLM<sup>+</sup>22, PMA<sup>+</sup>21, SS21a, SLL<sup>+</sup>24].  
**3-D** [Dau23]. **3.0** [HCP20, RSPJ21]. **3.01** [BKO20]. **3.1** [CGV<sup>+</sup>22]. **30**  
 [Pos22]. **3D** [YNV23, JLL<sup>+</sup>24, KAG24, PSK<sup>+</sup>24, Yan23]. **3DO** [GTE21].  
**3DO-SKMF** [GTE21]. **3IDEA** [YKYK23]. **3V** [DFG<sup>+</sup>23].

**4** [EMM<sup>+</sup>23]. **4.0** [SCA<sup>+</sup>24]. **40** [DPR<sup>+</sup>20]. **40-Feynman** [DPR<sup>+</sup>20]. **403.0**  
 [DDM20].

**5** [LOT<sup>+</sup>20, LHG<sup>+</sup>20]. **50** [Cel24]. **50th** [SHB<sup>+</sup>20]. **5D** [Sit23, Sit24].

**6** [Gro22]. **6.0** [ABB<sup>+</sup>24a]. **6.5** [SZ24b]. **6D** [CE22].

**86** [LWC<sup>+</sup>21].

**9.3** [SMO20b]. **95** [LGBJ20]. **99-line** [YJ24].

**a-TDEP** [BBB20]. **AADIS** [YZ20a]. **AAfrag** [KOT23]. **Ab-Initio**  
 [vRCM21, BDP<sup>+</sup>21, FN23, SLIC24, PP23]. **ABINIT**  
 [LACL24, BCTS22, GAA<sup>+</sup>20, BBB20]. **absorbers** [KJL<sup>+</sup>23]. **absorption**  
 [XLX<sup>+</sup>24]. **Accelerated** [BRAC23, CDT22, MSY<sup>+</sup>21, BMSP21, BMS<sup>+</sup>23,  
 CFLR24, Cos22, CESD<sup>+</sup>23, DAC<sup>+</sup>23, DRZ<sup>+</sup>21, ECS23, FKK<sup>+</sup>21, JMOC21,  
 JLL<sup>+</sup>24, KL23b, KMR22, KT23, KNJ<sup>+</sup>23, LG23, MRH<sup>+</sup>23, NT24, Nie20,  
 Nie22a, RLW<sup>+</sup>24, RZH22, RBWD<sup>+</sup>25, RCW<sup>+</sup>20, SXYD24, SCL22, VSM<sup>+</sup>22,  
 WWM<sup>+</sup>22, WWJ<sup>+</sup>22, WVK21, XBL<sup>+</sup>20, XZYS25, XLG<sup>+</sup>23, YLLW24,  
 YLK21, YGSW21, ZPZH20, ZHI23]. **Accelerating**  
 [CCM20, CCC20, CNS22, HSMR<sup>+</sup>24, MKHT20, MPN<sup>+</sup>21, SJ20].  
**Acceleration** [GLB<sup>+</sup>21, AUEO24, GC25, HLzY<sup>+</sup>20, JS24, LAD<sup>+</sup>21,  
 LJQ<sup>+</sup>22, PCB<sup>+</sup>25, RBWD<sup>+</sup>24, SDL<sup>+</sup>21, WZK<sup>+</sup>24, zYMK<sup>+</sup>21]. **accelerator**  
 [ABK<sup>+</sup>22, FA21, KKB<sup>+</sup>25, NBS<sup>+</sup>20, TAY<sup>+</sup>24, ZYG21]. **accelerator-based**  
 [KKB<sup>+</sup>25]. **accelerator-driven** [ZYG21]. **accelerators** [HXS20, MBF<sup>+</sup>24].  
**acceptor** [BMR<sup>+</sup>24a]. **access** [JG24]. **accessible**  
 [AMK24, BBV23, MES<sup>+</sup>24]. **accuracy**  
 [AIZ23, GB22, Jab20, LMQ<sup>+</sup>23, LWC<sup>+</sup>21, Tan24, YM21, ZLK25]. **Accurate**  
 [LVMGF<sup>+</sup>23, ZRH21, BV21, CZWE23, DLD<sup>+</sup>21, ENK24, Koz23, LN23,  
 MT23, NRG24, PG23, TCY23, TLC<sup>+</sup>21, VGGP<sup>+</sup>21, XZLX20, Yan21b,  
 YKJ<sup>+</sup>24, ZCWY20]. **Accurately** [FN21, FO20, FO21, PPKK21]. **ACFlow**  
 [Hua23]. **acid** [OSLC21]. **acoustoelasticity** [LLY<sup>+</sup>22]. **Acquisition**  
 [AAA<sup>+</sup>20]. **across** [CCM20]. **actin** [HMM22]. **acting** [KT23]. **actinides**  
 [TIG<sup>+</sup>24]. **actions** [GNP20]. **activation** [DARJ23, ZD25, PGS<sup>+</sup>24]. **active**  
 [Kür23, YYH21, ZLV23]. **active-set** [YYH21]. **actuators** [MOA24]. **Adams**  
 [TSL21]. **AdaPT** [DHK<sup>+</sup>21]. **adaptability** [WLL22]. **Adaptable**  
 [DHK<sup>+</sup>21, PIFPA<sup>+</sup>25, KM RB24]. **adaptation** [DG25, ZWG<sup>+</sup>24]. **adapted**  
 [GF21, GLSH21, MLD<sup>+</sup>22, SK24]. **Adaptive** [MDZ24, NVCS23, SVSC20,  
 SS22, TSL21, WLX24, YWM23, ASC<sup>+</sup>24, FAL20, FAL21, GP22, HMR22,



KPR<sup>+</sup>24, KSF<sup>+</sup>22, MDR<sup>+</sup>20, PD23, PG23, RCB<sup>+</sup>20, SRS<sup>+</sup>25, SJP<sup>+</sup>21b,  
 Tan24, WJB21, WDMZ24, ZGSW24, ZD25, BBV<sup>+</sup>22, BL21]. **ADAAQ**  
 [DIAA21, SDA<sup>+</sup>25]. **ADAAQ-SYM** [SDA<sup>+</sup>25]. **ADBSat**  
 [SCMP<sup>+</sup>22, SCR<sup>+</sup>22b]. **added** [IKM<sup>+</sup>24]. **adding** [KL22]. **addition**  
 [GBH20, TCcN23]. **additional** [CCK23, GDB10, LG21b]. **additive**  
 [SYFT23]. **Additivity** [WV22]. **addressing** [YCCW23]. **ADG** [ATRD21].  
**adhesive** [QCZ23]. **ADI** [HPY21]. **ADI-based** [HPY21]. **adiabatic**  
 [CGV<sup>+</sup>22, SZT24, Xav22]. **adjoint** [GdPSH25]. **adjoint-based** [GdPSH25].  
**Adsorption** [BRAC23, DvHSdS22, GAJK23, LCB25, PRR23]. **Advanced**  
 [KLM<sup>+</sup>22, DFP<sup>+</sup>20, FA20a, RMR<sup>+</sup>22, WLL22, XLL<sup>+</sup>22, LS21b].  
**advancements** [OXOG23]. **Advancing** [OYG<sup>+</sup>24]. **advection**  
 [PLF20, WWS<sup>+</sup>25]. **aeroacoustic** [GdPSH25]. **aeroacoustics**  
 [FZD<sup>+</sup>24, LIG<sup>+</sup>24, MVAXP22]. **aerodynamic** [SCMP<sup>+</sup>22, SCR<sup>+</sup>22b].  
**aerofoil** [LSS<sup>+</sup>25]. **aerosol** [WNS<sup>+</sup>21, WSK<sup>+</sup>22, YFL22]. **aerosols** [MK22].  
**aerospace** [BDR<sup>+</sup>20]. **aerothermodynamics** [DFU20]. **against** [AES21].  
**agglomeration** [FXQS21]. **aggregate** [Hal21]. **Aggregates** [FLK<sup>+</sup>20].  
**aggregation** [DRSZ23, YD20, ZJS<sup>+</sup>20]. **Agnostic** [BHK<sup>+</sup>21, Gon22].  
**AhKin** [GRCT20]. **AI** [TAY<sup>+</sup>24, ZHZ<sup>+</sup>23]. **AI-aided** [ZHZ<sup>+</sup>23]. **AICON**  
 [FO20]. **AICON2** [FO21]. **aided** [MG22, ZHZ<sup>+</sup>23]. **AIHFLTf** [HY23].  
**AIMSim** [BBV23]. **air** [SLL22, YKYK23]. **Algebra** [HW22, CB20, SCT21].  
**algebraic** [ATC<sup>+</sup>23, GF23, LWbK<sup>+</sup>20, UZB22, UJ21, VÁFG<sup>+</sup>22]. **Algebras**  
 [FKS20]. **Algorithm**  
 [HA23, LCB25, Pag24a, RCS21, AAB<sup>+</sup>21, AG21, AYWKL24, BKP22, Bar22a,  
 Bel24, CL20, CZX<sup>+</sup>21, DRSZ23, DC22, DWD<sup>+</sup>24, GSBN22, HTK24, IUJ21,  
 Jab20, JG24, JHH<sup>+</sup>25, JLL<sup>+</sup>24, JP24, KIK20, KRE22, Kut20, LBRW22,  
 LMX<sup>+</sup>21, LAD<sup>+</sup>21, LLZ<sup>+</sup>23, LLL<sup>+</sup>24a, LJQ<sup>+</sup>22, LM22, LFZ20, LNB23,  
 MWJL23, MD20b, MDP22, MM22, NTO24, Pag24b, PAZ<sup>+</sup>22, PMS<sup>+</sup>20a,  
 PGS<sup>+</sup>24, RSC<sup>+</sup>22, Roh22, SN23, SDP24, SRE<sup>+</sup>24, SJ20, SXW<sup>+</sup>20, SKC21,  
 SS21b, SWB<sup>+</sup>23, TKS22, TKC<sup>+</sup>21, TCY23, VPPQ21, VPPQ<sup>+</sup>24, WHH25,  
 WWS<sup>+</sup>25, WWJ<sup>+</sup>22, WWSG24, YCC22, YYH21, Yan24a, YK21b, YNMR24,  
 ZWP<sup>+</sup>22, ZGF<sup>+</sup>24, ZS24, ZWG<sup>+</sup>24, ZZC20, Zho23, dVAR<sup>+</sup>24, MMC<sup>+</sup>21].  
**algorithmic** [BL25, CLEPF22, EML22, RBWD<sup>+</sup>24, PCS<sup>+</sup>23]. **Algorithms**  
 [FFLR20, LWbK<sup>+</sup>20, NR21, BBV<sup>+</sup>22, AKL<sup>+</sup>21, Bak23, BC21, BL21, CLY22,  
 CFPS23, GHK20, KSDH23, LNP<sup>+</sup>24, MGG<sup>+</sup>20, SJP<sup>+</sup>21b, TV24, TAY<sup>+</sup>24,  
 WZK<sup>+</sup>24, XQ21, YRNUV25, ZYLL24]. **aliasing** [AWV24]. **ALICE**  
 [KvH21, NRG22, NRG24]. **aligned** [GBS<sup>+</sup>20, SBZ23]. **Aligning** [Kür23].  
**alignment** [KMN21, SJY18, SJY20]. **all-atom** [HQF<sup>+</sup>20]. **all-electron**  
 [GBR23, HLzY<sup>+</sup>20, LKP24, PD24, SLZY21, SDL<sup>+</sup>21]. **all-in-one** [GAJK23].  
**all-Mach** [MA24]. **Allen** [CZY20, TCY23, YWK<sup>+</sup>24]. **allowing**  
 [PTD20, RBV<sup>+</sup>22]. **alloys**  
 [CGZ<sup>+</sup>20, CWG<sup>+</sup>21, FDPT23, GFH23, LLL<sup>+</sup>24a, MMCC<sup>+</sup>22]. **AllScale**  
 [OIA<sup>+</sup>20]. **almaBTE** [RMCC22]. **along** [HMM22, MM23, Ryd20]. **Alouette**  
 [Nie23]. **ALPACA** [HWAA22]. **alpha** [PCL24]. **alteration** [NLS24].  
**AlterBBN** [AAHJ20]. **Alternative** [Car25, AAHJ20, GC25, LF20].



**aluminum** [BCTS22]. **Amazon** [RMM21]. **ambipolar** [VGGP<sup>+</sup>21]. **AMD** [OLNG21]. **ameliorated** [AGJ<sup>+</sup>23]. **AMFlow** [LM23]. **Amino** [OSLC21]. **AMMCR** [MMC<sup>+</sup>21]. **amorphous** [AMP<sup>+</sup>21, KKB<sup>+</sup>24]. **AMP** [YLH<sup>+</sup>20]. **amphiphiles** [YD20]. **Amplitude** [fWL24b, BN20, BN23, BS25, KRL<sup>+</sup>24]. **Amplitudes** [KMS20a, ADC<sup>+</sup>21, GHL23, HJK<sup>+</sup>24, PAM24]. **amplituhedron** [LM21b]. **AMR** [MOV21, PCS<sup>+</sup>20, WA21]. **AMR-based** [PCS<sup>+</sup>20]. **ana\_cont** [KH23]. **analog** [MKHT20]. **analyse** [HHMH<sup>+</sup>22]. **Analysers** [ANU21]. **analyses** [GFD<sup>+</sup>24, PP21]. **Analysis** [BHK<sup>+</sup>21, CPL21, Dry21, GSM<sup>+</sup>22, KAB<sup>+</sup>21, KFC<sup>+</sup>20, SBZ23, AMP<sup>+</sup>21, AS22, ACD<sup>+</sup>22, BDP<sup>+</sup>21, BYL<sup>+</sup>21, CdBMdAS<sup>+</sup>21, COJ<sup>+</sup>22, CGG21, CL21, DFP<sup>+</sup>20, Eku24, EBBB22, FPSZ21, FA21, Gal22, GSL<sup>+</sup>23, GvdBdGN24, GVV22, GHKW22, Gro22, HS22, HT24, HL21, Hor23b, HSO<sup>+</sup>22, IUJ21, Jab22a, JHH<sup>+</sup>25, JKKN23, KJL<sup>+</sup>23, KKB<sup>+</sup>24, KDHL23, KLM<sup>+</sup>22, LKP21, LLH21a, MMC<sup>+</sup>22, MGG<sup>+</sup>20, MZD<sup>+</sup>20, MYM<sup>+</sup>22, MRG22, NG21, NL23b, Nis22, PLT<sup>+</sup>23, PPK22, RDH<sup>+</sup>20, RZWW23, SKDH24, SJCD25, SMC<sup>+</sup>22, SRML20, SKS24, SFC20, SLDF<sup>+</sup>21, SCF20, SCMP<sup>+</sup>22, SCR<sup>+</sup>22b, SDA<sup>+</sup>25, Sva24, TPS<sup>+</sup>24, WXL<sup>+</sup>21, WLL22, WAYL23, WS23, Yev21, YLK<sup>+</sup>20, ZXW<sup>+</sup>22, ZDLS21, GOS<sup>+</sup>22, GG24]. **Analytic** [BP25, IHWG24, WMM<sup>+</sup>24, CH25, DML23, Hua23, KH23, KM22, MD22, PLT<sup>+</sup>23, LJC<sup>+</sup>25]. **Analytical** [CLEP24, Flo24, Jab22a, Rod22, CB25, CLEPF23, Mau20, MZV23]. **analyze** [AMP<sup>+</sup>21, VPZH24]. **analyzer** [YZ20a]. **Analyzing** [MMFdL21, DIKSN24, MKPW21, MKPW22, MRG22, YNV22, YNV23]. **Anderson** [NVCS23]. **angle** [LGK<sup>+</sup>22, SMC<sup>+</sup>22]. **angled** [AE23]. **angles** [MBCC23]. **Angular** [GF21, BFMA<sup>+</sup>24, CCW20, CWJ21, JDS20, Pos22, ST23a]. **angular-momentum** [ST23a]. **anharmonic** [MPSK21]. **anharmonicity** [BBB20, CZB<sup>+</sup>23]. **Animating** [GPD<sup>+</sup>22]. **Anisotropic** [MD20a, MBH21, BCHE21, BXW<sup>+</sup>25, BVV22, BDR<sup>+</sup>20, DRM20, FLK<sup>+</sup>20, GBS<sup>+</sup>20, LLH<sup>+</sup>21b, MM23, PGYF21, YNV22, YNV23]. **anisotropy** [GHL<sup>+</sup>22, RZWW23, SK24]. **annealer** [WWDM20]. **annealing** [RCS21, WWJ<sup>+</sup>22]. **Anniversary** [SHB<sup>+</sup>20]. **Announcement** [AAT<sup>+</sup>20, ASPDL<sup>+</sup>21, Pos22, SJP21a, Dio23, GST21, Jab22b, MJB24, MPZB<sup>+</sup>24, ZXT23]. **annular** [SDXY23]. **ansatz** [SZ23, JWK<sup>+</sup>21]. **ANT** [SZT24]. **anti** [AWV24, CMS24, KTF22]. **anti-aliasing** [AWV24]. **anti-neutrino** [KTF22]. **anti-symmetrized** [CMS24]. **antineutrino** [AG23]. **antinuclei** [KOT23]. **antisymmetric** [DEV20]. **any** [AKK<sup>+</sup>24, KKS24]. **app** [HCAH<sup>+</sup>24]. **Appell** [ABF<sup>+</sup>23a, BP25]. **Application** [BCTS22, DSW<sup>+</sup>23, LBM<sup>+</sup>23, SRS<sup>+</sup>25, WWB22, XSL<sup>+</sup>22, XPF<sup>+</sup>24, BB24a, BP25, BBA<sup>+</sup>20, DS22, FKS20, GLB<sup>+</sup>21, GG24, HQF<sup>+</sup>20, LKP24, LLY<sup>+</sup>22, LMMP23, MBF<sup>+</sup>24, MMC<sup>+</sup>22, MYM<sup>+</sup>22, MCB<sup>+</sup>20, SPTPR21, SKS24, TCD20, YHH<sup>+</sup>20, CMS22]. **Applications** [Jab24, AFB<sup>+</sup>24a, BDR<sup>+</sup>20, EMB<sup>+</sup>25, FRN<sup>+</sup>23, GC25, Kan24, MMP20, OIA<sup>+</sup>20, RDC<sup>+</sup>20, TV24, Yan21a]. **applied** [AWV22, BDdM20, IUJ21, KFHR24, LJS21, TPCT22, YXX<sup>+</sup>21]. **applying**



[AMP<sup>+</sup>21, Jia20]. **approach** [Ano20c, BOSM24, BB21, CPL21, CS22a, Che23, CB20, CLEPF22, Dau23, DR21, DVC<sup>+</sup>22, DBR24, EST23, GBS<sup>+</sup>20, GBD<sup>+</sup>22, GQ22, GP22, HHT22, JHH<sup>+</sup>25, KMRB24, KK16, KFHR24, LOT<sup>+</sup>20, LLH21a, MMM20, MSU<sup>+</sup>21, MOA24, MSM24, NAZ<sup>+</sup>21, PP23, PC21, RTRB21, SW25, TSV<sup>+</sup>25, TSAK21, WH23, WBvdH20, WYT23, Xav22, Xie23, YI22, YW21, YK21a, YD20, PBK21, SMO<sup>+</sup>20a]. **Approaches** [TRN<sup>+</sup>24, CY24, CGV<sup>+</sup>22, GSLS20, LF20]. **approximants** [PPK22]. **approximate** [WWJ<sup>+</sup>22]. **Approximating** [RPGG25]. **approximation** [AYI<sup>+</sup>24, AKL<sup>+</sup>21, BND22, CL22a, Dan23, DDW25, JRS<sup>+</sup>21, OYC24]. **April** [Ano20a, Ano21a, Ano22a, Ano23a, Ano24a]. **aquatic** [GRP<sup>+</sup>25]. **Arbitrarily** [CWJ21, GZW20, BAB<sup>+</sup>20, GGCW24, MHK24a]. **Arbitrary** [OS24, ABD<sup>+</sup>23, COW24, CT23, GF23, LH22, LH24, MZL<sup>+</sup>24, MSM24, SDP24, SRT<sup>+</sup>25, SHS22, Sij23, WGG20, WMS<sup>+</sup>25, Xie23]. **arc** [ZGW20, RSPJ21]. **Architecture** [YK21b, AGH21, FAL20, FAL21, Nor23, RCS21, RL21, ZWZ<sup>+</sup>22]. **Architecture-based** [YK21b]. **Architectures** [LPSK20, DFG<sup>+</sup>23, DRB22, EPM23, LJS21, OGL<sup>+</sup>21, PNL<sup>+</sup>24, PSK<sup>+</sup>24, ZAW<sup>+</sup>21]. **arctangents** [BTW20]. **area** [ZDG<sup>+</sup>21]. **ARGES** [LS21b]. **argon** [BCF<sup>+</sup>24]. **arithmetic** [SC20]. **ARM** [OLNG21]. **arrangement** [MRG22, RAJ<sup>+</sup>24]. **Array** [BBLB<sup>+</sup>25]. **arrival** [Hor23b]. **arrival-time** [Hor23b]. **ARSENY** [GSV23]. **art** [KMM21, KM20, KMS20b, SKM<sup>+</sup>21]. **ARTEMIS** [JYL<sup>+</sup>23, TDR<sup>+</sup>20]. **ARtificial** [UMA21, LPSK20, SWZ23, YKYK23, KHKL24, PMSHG23, ZHI23]. **artificial-neural-network** [KHKL24]. **ARUZ** [KHR<sup>+</sup>23]. **Asparagus** [TVSM25]. **aspects** [JWK<sup>+</sup>21]. **assemblies** [SDP24]. **Assessing** [DTGE21]. **Assessment** [HA21, IYC<sup>+</sup>24]. **assignment** [FN21]. **assimilation** [CCW24, CMLA25, MMYU22]. **assisted** [HPRS23, RBWD<sup>+</sup>25]. **ASTI** [MMYU22]. **astroparticle** [LFZ20]. **astrophysical** [RDC<sup>+</sup>20]. **asymmetric** [SJY18, SJY20]. **asymmetry** [BMM21]. **atmospheric** [GSL<sup>+</sup>23, HA21, RAJ<sup>+</sup>24]. **Atom** [LCL<sup>+</sup>23, CLZ<sup>+</sup>21, FN23, HQF<sup>+</sup>20, HLzY<sup>+</sup>20, LHTP<sup>+</sup>24, PBK21, Pos22, SCT21, YNMR24]. **atom-atom** [PBK21]. **Atom-centered** [LCL<sup>+</sup>23, HLzY<sup>+</sup>20]. **atom-laser** [FN23]. **atomic** [BPMS25, ČPF<sup>+</sup>24, CKP<sup>+</sup>25, FMCB<sup>+</sup>20, Gai20, GK21, GTE21, GLSH21, GOCSS<sup>+</sup>23, GVV22, GSV23, Hor24, KRL<sup>+</sup>24, LWS<sup>+</sup>23, LLL<sup>+</sup>24a, LU21, MMV<sup>+</sup>24, RSPJ21, RPG<sup>+</sup>20, TAB<sup>+</sup>22, UZB22, YT23, YKY<sup>+</sup>22, ZRH21]. **Atomistic** [Che23, ART<sup>+</sup>20, CGZ<sup>+</sup>20, CZTF23, IGL<sup>+</sup>24, MKPW21, MKPW22, SKC21, WLF<sup>+</sup>24, WBK<sup>+</sup>24, YZ20a]. **AtomREM** [NA20]. **atoms** [BAB<sup>+</sup>20, HY23, LWC<sup>+</sup>21, RZY<sup>+</sup>24, RZ23, SJP21a, SLLA22, TNL<sup>+</sup>22, WLF<sup>+</sup>24, ZLMH23]. **A}Tools** [YNV22, YNV23]. **attenuation** [GRCT20]. **attice** [FFTV23]. **Attosecond** [GM24, Koz23]. **augmented** [HM24a, HM24b, PLL24, WT22]. **August** [Ano20b, Ano21b, Ano22b, Ano23b, Ano24b]. **Aurora** [STS<sup>+</sup>25]. **auto** [BS23, TAGC22a]. **auto-correlated** [BS23]. **AutoEFT** [HS24]. **autoencoder** [FCdNA25, YLP<sup>+</sup>24, YLL<sup>+</sup>22]. **Automag** [GO23]. **automata**



[SYFT23]. **Automated** [AUO<sup>+</sup>22, ATRD21, DSW<sup>+</sup>23, GSBN22, HS24, HLM22, LJS21, SDA<sup>+</sup>25, VZ20, ZLV23, ABH<sup>+</sup>23, GAJK23, HBM<sup>+</sup>24, HGS20, LBM<sup>+</sup>23, LEL<sup>+</sup>22, MOA24, WLLS25, YLH<sup>+</sup>20]. **Automatic** [DIAA21, DR21, MMM20, CRZ25, CGZ<sup>+</sup>20, CZB<sup>+</sup>23, GO23, XLG<sup>+</sup>23]. **automatically** [KKS24, WYZZ23]. **automating** [UMA21]. **automation** [GAS<sup>+</sup>23]. **automatized** [WGGC22]. **autonomous** [RCH24, TVSM25]. **AutoPas** [GSBN22]. **autoregressive** [BKS22]. **autotuning** [KMM21]. **Auxiliary** [MVK<sup>+</sup>24, Bag22, GJA21, LM23, WYT23, YK21a]. **auxiliary-field** [GJA21]. **averaged** [MOMO24, MOMO25]. **averaging** [MPSK21]. **avoiding** [WGS<sup>+</sup>22]. **Aware** [DS22]. **AX** [FLW<sup>+</sup>23]. **Axial** [RSM21]. **Axially** [MSN<sup>+</sup>22]. **Axially-deformed** [MSN<sup>+</sup>22]. **axisymmetric** [BJS<sup>+</sup>23, CCW<sup>+</sup>25, CEC<sup>+</sup>24, FASM24, HSB<sup>+</sup>24]. **azimuthal** [LAD<sup>+</sup>21].

**B** [CCK23, AGH21, WGG20]. **B-spline** [WGG20]. **background** [BKO20, MGC<sup>+</sup>23]. **backscattering** [LGK<sup>+</sup>22]. **backward** [MM22]. **Baer** [Dau23]. **Baer-Nunziato** [Dau23]. **balanced** [CEKR24, MA24]. **balancing** [GSZK24, MLT<sup>+</sup>21, TPK<sup>+</sup>21, ZHZG23]. **Band** [RMFB23, WXZH24, BFD22, BMI23, CL20, DSQ23, GLN23, IMB<sup>+</sup>22, MFB23, SLZG20, SLL<sup>+</sup>24, WZZS21]. **bandstructure** [LKP24]. **Bang** [AAHJ20]. **Bardeen** [PTD20]. **Barna** [RMCC22]. **barycentric** [CH25, WVK21]. **baryon** [BMM21, DH20]. **Base** [TL20]. **Based** [MBF<sup>+</sup>24, AZH<sup>+</sup>24, AAG<sup>+</sup>20, ABGD<sup>+</sup>20, ACD<sup>+</sup>22, AMA<sup>+</sup>20, ASC<sup>+</sup>24, BCHE21, Bar22a, BFCR24, BCGT24, BTW20, CDD22, CLS22b, CZWE23, CWZ<sup>+</sup>24, CTPS22, Dau23, DFU20, DP21, DSQ23, DGHA25, ENK24, FN21, FAZ24, FCdNA25, FJ22, FYW23, FLW<sup>+</sup>23, FMBD22, Gal22, GDK21, GAGO21, GdPSH25, GTB24, HPY21, HL21, HTL<sup>+</sup>22, HT20, HWL<sup>+</sup>23, HFP21, HWZ24, HWAA22, Hor24, HBM<sup>+</sup>24, HLCD20, HHT<sup>+</sup>24, IYC<sup>+</sup>24, IJVJ21, JLW24, JKSY22, KKLZ23a, KKLZ23b, KTF22, KRJ23, KPR<sup>+</sup>24, KMN21, KSF<sup>+</sup>22, KHR<sup>+</sup>23, KR23, KL23b, KKB<sup>+</sup>24, KM23, KRE22, KG21, KKB<sup>+</sup>25, LEE<sup>+</sup>24, LGDF20, LAD<sup>+</sup>21, LLC<sup>+</sup>23, LWS<sup>+</sup>23, LZZ<sup>+</sup>25, LY24b, LLL25, MTW<sup>+</sup>24, MHÅ21, Mag25, MMCC<sup>+</sup>22, MEDT<sup>+</sup>23, MSU<sup>+</sup>21, MMV<sup>+</sup>24, MBCC23, MSM24, MRD23, NSY<sup>+</sup>23, NJSY22, OIA<sup>+</sup>20, OBGA24, OSK<sup>+</sup>21, OLNG21, ONH<sup>+</sup>20, PMS<sup>+</sup>20a, PP24, PAL<sup>+</sup>20, Pen24, PM21, PCS<sup>+</sup>20, QCZ23, RMCC22, RZY<sup>+</sup>24, Di 22, SKEZ24a]. **based** [SRC21, SDP24, SLB<sup>+</sup>23, SBG23, SWTC23, TCY<sup>+</sup>21, TPS<sup>+</sup>24, TAB<sup>+</sup>22, TLC<sup>+</sup>21, UD24, VPPQ<sup>+</sup>24, VB22a, VV21, eSdSBST21, WAET22, WPMK21, WVK21, WKJB23, XZYS25, XFH<sup>+</sup>22, YBZ<sup>+</sup>25, YFL22, YCCW23, YKK<sup>+</sup>23a, YSX<sup>+</sup>20, YZHL22, YKSH20, YMCF23, YK21b, YKK23b, YZZ<sup>+</sup>23, ZWC<sup>+</sup>20, Zha20, ZRZ<sup>+</sup>21, ZWZ<sup>+</sup>22, ZGF<sup>+</sup>24, ZLY24, ZLWBH25, ZRH21, Zho23, ZHZG23, ZCS<sup>+</sup>24, DGHA25, SKEZ24b]. **bases** [HY23, ZRH21]. **Bashforth** [TSL21]. **Basic** [Gro22, HW22]. **Basics** [BC22]. **basis** [DEV20, FASD20, HLzY<sup>+</sup>20, JZW<sup>+</sup>22, LM22, MSN<sup>+</sup>22, MLD<sup>+</sup>22, MSHP02, MSHP20, VCHH23, VTB<sup>+</sup>21, WGG20, YJLW21]. **Batched** [HW22]. **Bateman** [CLEPF22]. **bath** [CLY22]. **Bayesian**



[CV21, KKP22, HGS20, KWB<sup>+</sup>25, MTY<sup>+</sup>22, NG21, TV24]. **BaZrO** [DSW<sup>+</sup>23]. **BCS** [RSM21, Jia20]. **BDDC** [SFS22]. **BDK** [KMS20a]. **BDSIM** [NBS<sup>+</sup>20]. **beam** [MGC<sup>+</sup>23, PK24, TLC<sup>+</sup>21, TCcN23]. **beam-target** [TLC<sup>+</sup>21]. **beams** [HTL<sup>+</sup>22, PMSHG23, SKEZ24a]. **BEC2HPC** [GTA21]. **BECs** [SCL22]. **BEEC2.0** [YZW22]. **behavior** [JLL<sup>+</sup>24]. **behaviour** [LP24, MES<sup>+</sup>24]. **Behler** [vdHKB<sup>+</sup>23]. **Belle** [BBB<sup>+</sup>21]. **below** [SCA<sup>+</sup>24]. **belt** [DRM20]. **belts** [NS20]. **Benchmark** [KFPV21, SNP<sup>+</sup>20]. **Benchmarking** [ASA<sup>+</sup>22, JHH<sup>+</sup>25, MGC<sup>+</sup>23]. **benchmarks** [KPL<sup>+</sup>21, WKR23, ZJM<sup>+</sup>21, ZRH21]. **Benz** [ODU24]. **BerkeleyGW** [LACL24]. **Berry** [RCP<sup>+</sup>24]. **BESLE** [GPM<sup>+</sup>21]. **Bessel** [CCK23, GDB10]. **beta** [AG23]. **Betaboltz** [RCB21]. **Bethe** [JWK<sup>+</sup>21, LG21a, SA23, ZAW<sup>+</sup>21]. **BetheSF** [LG21a, LG21b]. **between** [BMREC21, BLN<sup>+</sup>21, CX CZ23, Efr20, Efr21a, MRT<sup>+</sup>22, Tan23, UZB22, YLL<sup>+</sup>22, ZJM<sup>+</sup>21]. **beyond** [AFJ<sup>+</sup>23, COJ<sup>+</sup>22, DDM20, KKS24, MSG<sup>+</sup>21, PIFPA<sup>+</sup>25, UMA21]. **Bézier** [ET24]. **BGK** [LSW<sup>+</sup>20]. **BGSDC** [TBAR21]. **Bhatnagar** [FJ22]. **bi** [BA24, LLH<sup>+</sup>21b]. **bi-anisotropic** [LLH<sup>+</sup>21b]. **bi-directional** [BA24]. **bi-Lebedev** [LLH<sup>+</sup>21b]. **bias** [JP24]. **bias-free** [JP24]. **biasing** [PYT<sup>+</sup>24]. **BiconeDrag** [SPTPR21]. **bifold** [Kar23a, Kar23a]. **Big** [AAHJ20]. **Big-Bang** [AAHJ20]. **billion** [CLZ<sup>+</sup>21]. **BIMBAMBUM** [SSPF24]. **bimetric** [Tor20]. **bimEX** [Tor20]. **binary** [LLT<sup>+</sup>23, LLQ<sup>+</sup>23, LB24, NDFL24, VHBK21, ZLLM23, ZCWY20]. **Binding** [DSQ23, JPJ<sup>+</sup>23, KVSC21, LZK<sup>+</sup>23, NKP20, WPMK21, ZYLY22, NKP20]. **BinPo** [MFB23]. **bio** [COJ<sup>+</sup>22]. **bio-shield** [COJ<sup>+</sup>22]. **biofilm** [OCE<sup>+</sup>23]. **Biofilm.jl** [OCE<sup>+</sup>23]. **biomedical** [MVF20]. **biomolecular** [DCZ23]. **biophysical** [PNL<sup>+</sup>24]. **Biot** [SSH<sup>+</sup>23]. **bipartite** [CL22a]. **Bipolar** [WSK<sup>+</sup>22]. **Bit** [Fis24]. **Bit-twiddling** [Fis24]. **Black** [BLN<sup>+</sup>21, KWB<sup>+</sup>25]. **Black-box** [BLN<sup>+</sup>21]. **blackout** [GSL<sup>+</sup>23]. **blade** [KKY24]. **BLAS** [HW22]. **blende** [HLCD20]. **blends** [BMR<sup>+</sup>24a]. **Bloch** [GLB<sup>+</sup>21, MONW21, PW25, RCP<sup>+</sup>24, RJ21]. **block** [Cos22, LSS<sup>+</sup>25, RAJ<sup>+</sup>24, UJ21, ZJ23]. **block-pressure-velocity** [UJ21]. **blocking** [AWV22, AWW24]. **blood** [XZYS25, ZMC23, ZHZ<sup>+</sup>23]. **blowup** [HWZ24]. **Blues2** [SOH<sup>+</sup>23]. **BNP** [CCG21]. **BO** [BXW<sup>+</sup>25]. **BO-KM** [BXW<sup>+</sup>25]. **board** [AAG<sup>+</sup>24, Ano20e, Ano20f, Ano20g, Ano20h, Ano20i, Ano20j, Ano20k, Ano20l, Ano20m, Ano20n, Ano20o, Ano20p, Ano21d, Ano21e, Ano21f, Ano21g, Ano21h, Ano21i, Ano21j, Ano21k, Ano21l, Ano21m, Ano21n, Ano21o, Ano22d, Ano22e, Ano22f, Ano22g, Ano22h, Ano22i, Ano22j, Ano22k, Ano22l, Ano22m, Ano22n, Ano22o, Ano23d, Ano23e, Ano23f, Ano23g, Ano23h, Ano23i, Ano23j, Ano23k, Ano23l, Ano23m, Ano23n, Ano23o, Ano24d, Ano24e, Ano24f, Ano24g, Ano24h, Ano24i, Ano24j, Ano24k, Ano24l, Ano24m, Ano24n, Ano24o, Ano25a, Ano25b, Ano25c]. **bob** [SPTPR21]. **Body** [GBJ<sup>+</sup>21, ATRD21, DC22, DG25, IYP<sup>+</sup>25, JDS20, KWK<sup>+</sup>21, MAJ20, NTO24, OS24, PPKK21, RMM21, Xav22, XBL<sup>+</sup>20]. **body-of-revolution** [NTO24]. **Bogner** [CCK23]. **Bogoliubov**



[ATRD21, CLS<sup>+</sup>22a, MSN<sup>+</sup>22, SKDH24, SJCD25]. **Boltzmann**  
 [ASC<sup>+</sup>21, AHP21, AS24b, BBA<sup>+</sup>20, CK20b, CKT21, DACA<sup>+</sup>22, DCZ23,  
 JMOC21, KFPV21, KBSH20, KAS24, LFL<sup>+</sup>24, LSS24, MWJL23, MD21,  
 NL23a, PPR<sup>+</sup>21, PLSB22, QCZ23, STA20, WJB21, WWB22, WHB21, WA21,  
 WWS<sup>+</sup>25, WKR23, YCCW23, YSI<sup>+</sup>24, YM21, YD20, ZPZH20, ZPL<sup>+</sup>24].  
**bond** [HLCD20]. **bond-orbital** [HLCD20]. **bonded** [VXT<sup>+</sup>23]. **boom**  
 [EOR21]. **boosting** [CFL<sup>+</sup>22]. **Bootstrapped** [ZJ23]. **BORAY**  
 [sXBkB<sup>+</sup>22]. **Boris** [DML23, ZK20]. **born** [ZJM<sup>+</sup>25, SOH<sup>+</sup>23, XZLX20].  
**Bose** [BKRG22, KRG21, MBA21, RVM<sup>+</sup>21, SKDH24, SJCD25]. **boson**  
 [BHH<sup>+</sup>20, DDM20, KKM<sup>+</sup>20, SZ23, GKIB21]. **bosons** [AKK<sup>+</sup>24, ABB<sup>+</sup>22].  
**BoSS** [GKIB21]. **both** [RVRT22]. **bounce** [GNP20]. **bound**  
 [GTMB21, MZ22]. **Boundaries**  
 [LM21b, FBMD20, GPN20, NR21, TS23, XSM22]. **Boundary**  
 [GPM<sup>+</sup>21, ATC<sup>+</sup>23, ELSV24, FYW23, FMHH24, GVV22, HPAW21, KD23,  
 MD20a, MVF20, NL23a, PLL24, PCL24, RZH22, STA20, SP20, SvdW24,  
 SXYD24, SW25, TCD20, TTM22, WXY20, WHH25, WXZH24, Yan21a,  
 YSI<sup>+</sup>24, YSX<sup>+</sup>20, YXX<sup>+</sup>21, YJ24, ZPZH20, Zha20, ZPL<sup>+</sup>24].  
**boundary-cascaded** [ZPZH20]. **bounded** [DAC<sup>+</sup>23, HPAW21]. **bounding**  
 [TÁFAB<sup>+</sup>24]. **Boussinesq** [TL20, TSL21]. **Boussinesq-type** [TL20].  
**BOUT** [DKM<sup>+</sup>24, SDXY23, WXW<sup>+</sup>21, ZSqXY21]. **box**  
 [BLN<sup>+</sup>21, KWB<sup>+</sup>25]. **BP** [LJC<sup>+</sup>25]. **brackets**  
 [CLVV22, Efr21b, Efr23, FHD25, SMGK21]. **Braginskii** [BJL<sup>+</sup>24]. **Bratu**  
 [Ano20c, KK16]. **Brazilian** [CCG21]. **breakdown** [CHA21]. **breast**  
 [BSG<sup>+</sup>21]. **Breit** [HA23, WBvdH20]. **BREMS** [Pos22]. **bremsstrahlung**  
 [EMM<sup>+</sup>23, Pos22]. **bridge** [WHS24]. **bridge-inspired** [WHS24].  
**bridging** [Yan23]. **Brillouin** [Dür23]. **BROADCAST** [PCS<sup>+</sup>23].  
**broadening** [Bul21]. **Brownian** [DG20]. **Brute** [JRG21, XSM22].  
**brute-force** [XSM22]. **Brute-forcing** [JRG21]. **BSHF** [WGG20]. **BSM**  
 [BBH<sup>+</sup>23, PAM24]. **BSMArt** [GJ24]. **BSMPT** [BMM21]. **BTE** [RMCC22].  
**BTE-Barna** [RMCC22]. **bubble** [SSPF24]. **bubbly** [LMHL20]. **build**  
 [IGL<sup>+</sup>24]. **building** [MPH<sup>+</sup>24]. **bulk**  
 [DAA<sup>+</sup>24, SLDF<sup>+</sup>21, WGS<sup>+</sup>22, MMC<sup>+</sup>22]. **buried** [CML<sup>+</sup>24]. **Burn**  
 [ZYG21]. **Burn-up** [ZYG21]. **Burnup2.0** [ZYG21].

**C** [ADC<sup>+</sup>21, Dan23, DH22, DLD<sup>+</sup>21, FXZT21, FTG23, GCK21, Kar23b,  
 KMU<sup>+</sup>23, Koz23, MVF20, SW23, UMA21, ZGK<sup>+</sup>24]. **C#** [Gro22]. **C-code**  
 [GCK21]. **C1** [ZJM<sup>+</sup>21]. **Cache** [AWV22, AWV24]. **caching** [PWC24].  
**CAD** [OBGA24]. **CAD-based** [OBGA24]. **Cadabra** [CFPS23]. **CAGE**  
 [RHW<sup>+</sup>21]. **Cahn**  
 [CZY20, CY24, KSF<sup>+</sup>22, LM21a, LHC20, TCY23, Yan21b, YWK<sup>+</sup>24].  
**Cahn-type** [TCY23]. **CALANIE** [MD20a]. **Calc** [BMR<sup>+</sup>23, BMR<sup>+</sup>24b].  
**calculate** [DZZ21, Efr20, GTE21, LL23, PB23]. **Calculating**  
 [BGH22, GBH20, HNOW25, AAHJ20, BGHC23, CL20, CSW24, FO20, FO21,  
 GO23, GBR23, HTL<sup>+</sup>22, HHT<sup>+</sup>24, Jab20, KSG22, LSC<sup>+</sup>25, LKP24, LLS<sup>+</sup>21,



LLZ<sup>+</sup>22, MKPW21, MKPW22, RPG<sup>+</sup>20, SLZG20, SP23, YKSH20].  
**Calculation** [BRHT21, Efr21a, Efr21b, SLLA22, SMGK21, UZB22, WKBW21, ZYG21, AUEO24, BRAC23, BMR<sup>+</sup>24b, BND22, CL21, DCRF23, DS20, ENK24, FASD20, GTMB21, JKST22, KvdW20, KKLZ23a, KKLZ23b, Kar23a, KT23, KM20, KMS20b, LYC20, LEL<sup>+</sup>22, LHG<sup>+</sup>20, MMC<sup>+</sup>21, MMP<sup>+</sup>24, Mar22, MPZB<sup>+</sup>24, NAZ<sup>+</sup>21, NAZ<sup>+</sup>22, Och23a, Och23b, OYC24, Ols23, Pos22, SK24, SJP21a, TMC22, TB20, UO20, WGGC22, WLLS25, XOTI22, YBZ<sup>+</sup>25, ZJM<sup>+</sup>25, BMR<sup>+</sup>23]. **calculations** [ADW<sup>+</sup>23, AAMY23, AJW<sup>+</sup>21, AM21a, BHH<sup>+</sup>20, BPMS25, BR20a, BLN<sup>+</sup>21, CLY22, CFBRE24, CMS22, CPG<sup>+</sup>25, Cas24, ČPF<sup>+</sup>24, CKP<sup>+</sup>25, Dan24, DvHSdS22, DG25, DGHA25, Fon21, GdPSH25, GM20, HY23, Hor24, IJVJ21, Jab22a, JPJ<sup>+</sup>23, KCS22, LVB22, LWS<sup>+</sup>23, LLS<sup>+</sup>21, LG23, MJB24, MBC<sup>+</sup>24, MAJ20, Mil25, MSHP02, MSHP20, MDR<sup>+</sup>20, NVCS23, DARJ23, Pot24, RDV<sup>+</sup>20, RCP<sup>+</sup>24, RG21, RSPJ21, RTRB21, SY20, SMB20, SLL<sup>+</sup>24, SXW<sup>+</sup>20, SDL<sup>+</sup>21, SC22, SOH<sup>+</sup>23, UMA21, VCF22, VvBTH20, WZZ<sup>+</sup>23, WXZH24, YT23, YHY<sup>+</sup>21, YLH<sup>+</sup>20, ZGSW24, ZGK<sup>+</sup>24, ZRH21, ZHM21].  
**calculator** [ABH<sup>+</sup>23, FCTFR20, Kut24, MBTB21, SKEZ24a, UAS22].  
**calculus** [BSK<sup>+</sup>22, CLEPF22, KMR22]. **calorimeters** [ABF<sup>+</sup>23b].  
**Camassa** [ZYXC24]. **can** [SWZ23]. **capabilities** [KGT22]. **capability** [FA20a, MCB<sup>+</sup>20]. **capacitively** [JDD<sup>+</sup>21, LZZ<sup>+</sup>25]. **capacitively-coupled** [LZZ<sup>+</sup>25]. **capacity** [LHWX24]. **capsules** [TKC<sup>+</sup>21]. **capture** [TAE<sup>+</sup>21].  
**capturing** [LF24]. **Caravel** [ADC<sup>+</sup>21]. **carbon** [PK24, PWC24].  
**cardiovascular** [AFB<sup>+</sup>24a]. **Carlo** [DVB<sup>+</sup>25b, ABGD<sup>+</sup>20, ASPDL<sup>+</sup>21, ACD<sup>+</sup>22, AJW<sup>+</sup>21, BRAC23, BB21, BCF<sup>+</sup>24, BKO20, BKS24b, BIK<sup>+</sup>21, BKBL22, BKG<sup>+</sup>23, CCM20, CRZ25, CCW<sup>+</sup>25, DRSZ23, DDM20, DdCAG23, DVB<sup>+</sup>25a, ELSV24, FXQS21, GJA21, GAGO21, GHK20, HT24, HLMB24, HQF<sup>+</sup>20, Hua23, HSMR<sup>+</sup>24, Ilt21, JWW<sup>+</sup>23, JKKN23, JDD<sup>+</sup>21, KOT23, Kal20, Koł22, Koł23, LEE<sup>+</sup>24, LMWW24b, LAC21, LTMK21, LS24, LGZ<sup>+</sup>25, LLL24b, LC24, LHWX24, MMM23, Mil25, MT23, NL23b, Nie22a, OBL<sup>+</sup>21, PAZ<sup>+</sup>22, PLT<sup>+</sup>23, PYT<sup>+</sup>24, PPR<sup>+</sup>21, PC21, RSC<sup>+</sup>22, RCB21, Roh22, SNP<sup>+</sup>20, SJP<sup>+</sup>21b, SHS22, SNG20, SLIC24, TAY<sup>+</sup>24, WAN<sup>+</sup>22, WSRO24, WZPW20, YLK<sup>+</sup>20, ZHS<sup>+</sup>20, ZDLS21].  
**Carlo-effective** [PC21]. **carlomat\_4.0** [Koł22]. **carrier** [TQGE23].  
**Cartesian** [HG22, LEE<sup>+</sup>21a, RVRT22]. **Cascade** [CB25, CLZ<sup>+</sup>21, SZY<sup>+</sup>22].  
**Cascaded** [AHP21, ZPZH20]. **cascades** [BKO20, EES24]. **case** [ABFP24, Jia20, TPS<sup>+</sup>24]. **catalysts** [RSC<sup>+</sup>22]. **Catalytic** [KBSH20].  
**Causal** [Bel24, CDT22]. **cavitation** [SSPF24]. **cavities** [BBA<sup>+</sup>20, DKRSR22, WYHW24]. **CBM** [GBJ<sup>+</sup>21, SCF20]. **CCA** [TCY<sup>+</sup>21].  
**CCS** [KWK<sup>+</sup>21]. **CDFTPY** [VCF22]. **CDPDS** [KR23]. **CDT** [BLG24].  
**cdugksFOAM** [WLZ<sup>+</sup>24, GWZ<sup>+</sup>25]. **CEL** [JHH<sup>+</sup>25]. **Celebrating** [SHB<sup>+</sup>20]. **Celeris** [TL20]. **Cell** [FAL21, YYC<sup>+</sup>23, AL24, ASC<sup>+</sup>24, BCHE21, BC21, LLG<sup>+</sup>24, BTK24, CTZW23, CCW<sup>+</sup>25, DBH<sup>+</sup>22, FN21, FYM<sup>+</sup>22, GTB24, LMX<sup>+</sup>21, LAD<sup>+</sup>21, LM20, MFS<sup>+</sup>22, Mar22, MRH<sup>+</sup>23, MLT<sup>+</sup>21, NTO24, OCR<sup>+</sup>22, PSMRS<sup>+</sup>23, PGYF21, RC23, SXYD24, SWB<sup>+</sup>23, TWR21,



Ume22, XSM22, XHY<sup>+</sup>24, YC20, YWX<sup>+</sup>23, ZK20, ZDSS23, ZLS<sup>+</sup>22,  
 DFG<sup>+</sup>23, DWD<sup>+</sup>24, FAL20, FA21, KG21, OGL<sup>+</sup>21, SAC<sup>+</sup>21]. **cell-centered**  
 [PGYF21]. **Cell/Monte** [JDD<sup>+</sup>21]. **CellListMap.jl** [Mar22]. **cells**  
 [BMP<sup>+</sup>24, LLR23, ZHM<sup>+</sup>24]. **cellular** [SYFT23, XZYS25]. **Center**  
 [SMO<sup>+</sup>20a, BKP22, BJS<sup>+</sup>23, GDS<sup>+</sup>21, LM22, MHP23, SSB<sup>+</sup>23, XQ21].  
**center-evolving** [LM22]. **centered** [HLzY<sup>+</sup>20, LCL<sup>+</sup>23, PGYF21].  
**centering** [ZLS<sup>+</sup>22]. **central** [AAG<sup>+</sup>24, For22, GST21, WGG20]. **centrality**  
 [YZL<sup>+</sup>23]. **CepGen** [For22]. **cepstral** [EBBB22]. **ceramic** [WLLS25].  
**cerebral** [dMMLOS20]. **Cerman** [MHÅ21]. **CFD**  
 [ADF<sup>+</sup>22, BBA25, LSS<sup>+</sup>25, PCS<sup>+</sup>23, SJWL22, ZGF<sup>+</sup>24, AFB<sup>+</sup>24a]. **CFL**  
 [TÁFAB<sup>+</sup>24]. **CGMF** [TSJ<sup>+</sup>21]. **CGNSDE** [CCW24]. **Chain** [HSMR<sup>+</sup>24,  
 HQF<sup>+</sup>20, LWbK<sup>+</sup>20, LTMK21, MMM23, VFS23, WGS<sup>+</sup>22, EGKH24].  
**chains** [EGKH24, LF20]. **chalcogenides** [SKS24]. **chambers**  
 [BIL25, TAGC22a]. **Chandrasekhar** [Jab20]. **Change**  
 [BFG24, RSD20, SRT<sup>+</sup>20]. **channel** [CGV<sup>+</sup>22, GOS<sup>+</sup>22]. **channeling**  
 [Nie20]. **channels** [ABWZ23, CMS24]. **Chaos** [GBJ<sup>+</sup>21]. **chaotic** [SRML20].  
**Chapman** [JHH<sup>+</sup>25]. **character** [YZ20a]. **characterisation** [ANU21].  
**characteristic** [SvdW24, XDF20]. **characteristics** [CL21, CTPS22].  
**characteristics/diamond** [CL21]. **characteristics/diamond-difference**  
 [CL21]. **characterization** [HMM22, SLBR22, vTDGCR21]. **charge**  
 [BTK24, DBM<sup>+</sup>24, FN21, KKLZ23a, KKLZ23b, OCR<sup>+</sup>22, RC23, SWB<sup>+</sup>23,  
 ZJM<sup>+</sup>25, ZPL<sup>+</sup>21]. **charge-conserving** [FN21]. **Charged**  
 [KKS24, TGGC23, AAD<sup>+</sup>24, BFL<sup>+</sup>22, NJT24, SLP<sup>+</sup>22, SLLA22, SA23].  
**charges** [FH22]. **charging** [WSK<sup>+</sup>22, YFL22]. **Chebyshev** [BND22, LS22].  
**chemi** [Nis23]. **chemi-topology** [Nis23]. **chemical**  
 [AHM<sup>+</sup>23, FCTFR20, FBC<sup>+</sup>21, LLL<sup>+</sup>24a, MPZB<sup>+</sup>24, RCX24, RHW<sup>+</sup>21,  
 SRS<sup>+</sup>25, SVJ<sup>+</sup>24, ŽTR<sup>+</sup>22, CV21]. **chemically** [CZWE23, Gal22].  
**chemicals** [BBV23]. **cheminformatics** [BBV23]. **Chemistry**  
 [GM24, BLN<sup>+</sup>21, CNS22, DBE<sup>+</sup>24, GSZK24, Koz23, OCE<sup>+</sup>23, PM21,  
 RAJ<sup>+</sup>24, XFGS24]. **Chern** [GBR23]. **chi** [GST21]. **chi-square** [GST21].  
**chip** [DHK<sup>+</sup>21]. **CHIPR** [RV20, RV21, Xav22]. **chiral** [LU21, YLL<sup>+</sup>22].  
**Chirally** [HHT22]. **choice** [SRK<sup>+</sup>24]. **Chromodynamics** [KK20]. **Chrono**  
 [ZTV<sup>+</sup>24]. **cij** [LDW<sup>+</sup>21]. **CIMBA** [Ilt21]. **circuit** [OV23, YWX<sup>+</sup>23].  
**circuits** [WHS24, dBBVA20]. **circular** [NG21]. **CITDSE** [FN23]. **CKBIT**  
 [CV21]. **CLAS12** [TAGC22a, TAGC22b, TGGC23, TGIM23]. **class**  
 [FYW23, GGCW24, YZW21]. **Classical**  
 [TNL<sup>+</sup>22, GSV23, KF23, PSK<sup>+</sup>24, SLLA22, VCF22, XQ21]. **Classification**  
 [SLL<sup>+</sup>21, BBA<sup>+</sup>20, DR21, Nis23]. **classifiers** [KHK24, VEHCM21].  
**Clifford** [KF23]. **Clinamen2** [WBK<sup>+</sup>24]. **clinical** [BSG<sup>+</sup>21]. **CLIP** [UO20].  
**cloak** [WLCY25, YWM23]. **closure** [BJL<sup>+</sup>24, JHH<sup>+</sup>25, LMMP23]. **clots**  
 [ZHZ<sup>+</sup>23]. **cloud** [RMM21]. **CLT** [ZJM<sup>+</sup>21]. **clumps** [OAP<sup>+</sup>24]. **Cluster**  
 [Nis23, ZZC20, CHY<sup>+</sup>24, DRSZ23, HAM<sup>+</sup>20a, PPKK21, YX24, ZWG<sup>+</sup>24].  
**cluster-cluster** [DRSZ23]. **clustering** [BDC<sup>+</sup>25, DR21]. **cm** [FYM<sup>+</sup>22].  
**CMInject** [WAK22]. **CMS** [TPS<sup>+</sup>24]. **CNOK** [SW23]. **CNUCTRAN**



[BOSM24]. **coagulation** [WNS<sup>+</sup>21]. **coarse**  
 [MBCC23, NA20, OCK<sup>+</sup>24, ZKZ<sup>+</sup>24, Zho23]. **coarse-grained**  
 [MBCC23, OCK<sup>+</sup>24, ZKZ<sup>+</sup>24]. **Coarsest** [EVFRHR23]. **Coarsest-level**  
 [EVFRHR23]. **coastal** [GRP<sup>+</sup>25]. **coaxial** [YMcF23]. **Code**  
 [ODU24, OGL<sup>+</sup>21, RSM21, VXT<sup>+</sup>23, YX24, ZYG21, ASS<sup>+</sup>24, AAG<sup>+</sup>20,  
 ABGD<sup>+</sup>20, ARLDG24, AMA<sup>+</sup>20, AAHJ20, ASC<sup>+</sup>24, BJJ<sup>+</sup>24, LLG<sup>+</sup>24,  
 BFD22, BFCR24, BCTS22, BDA<sup>+</sup>20, BCSS24, CR20, CFBRE24, CZA<sup>+</sup>23,  
 CAC<sup>+</sup>22, CAWK22, CB25, CZS<sup>+</sup>21, COJ<sup>+</sup>22, CTZW23, CZB<sup>+</sup>23, CKC<sup>+</sup>21,  
 CMS24, CESD<sup>+</sup>23, Dan23, DDW25, DMS<sup>+</sup>22, DIK<sup>+</sup>23, DFU20, DSQ23,  
 DBH<sup>+</sup>22, DHE<sup>+</sup>24, Dry21, DBdFdSR21, EBBB22, EES24, FMCB<sup>+</sup>20,  
 FFTV23, FAL20, FAL21, GRCT20, GC25, GCK21, GBD<sup>+</sup>22, GLN23, Hua24,  
 JKST22, Jia20, Kal20, Kar23a, KAB<sup>+</sup>21, KWZ24, Ken25, KJJ<sup>+</sup>23, KBH<sup>+</sup>24,  
 KMu<sup>+</sup>23, KDK23, KT23, KSIL22, Koz23, KAG24, Kul20, LEE<sup>+</sup>24, LOT<sup>+</sup>20,  
 LG23, LVMGF<sup>+</sup>23, LDW<sup>+</sup>21, LJS21, MG22, MGX24, MTW<sup>+</sup>24, MFB23,  
 MPS<sup>+</sup>24, MBC<sup>+</sup>24, MRH<sup>+</sup>23, MSU<sup>+</sup>21, MHP23, MAMK21, MXH<sup>+</sup>24,  
 MDR<sup>+</sup>20, NUK<sup>+</sup>22, NSY<sup>+</sup>23, NBS<sup>+</sup>20, NL23b, NDFL24, Nis22, Nor23,  
 Och23a, Och23b]. **code**  
 [OAP<sup>+</sup>24, OLNG21, PP23, PP24, PLSB22, PWC24, RMR<sup>+</sup>22, RCP<sup>+</sup>24,  
 RV20, RV21, RdMS25, RMFB23, SLK23, SMA24, SP23, SHW<sup>+</sup>21, SPF21,  
 SZNW23, SBB<sup>+</sup>24, SW23, TSJ<sup>+</sup>21, TMC22, TCSD24, UÁEPGBP24,  
 WKBW21, WXL<sup>+</sup>21, WXX24, XSM22, sXBkB<sup>+</sup>22, XHY<sup>+</sup>24, YHH<sup>+</sup>20,  
 YGSW21, YLK<sup>+</sup>20, YJ24, ZMC23, ZJM<sup>+</sup>21, ZDSS23, ZXW<sup>+</sup>22, NUK<sup>+</sup>22].  
**code-generation** [LJS21]. **codes** [BMREC21, BPMMP24, DRM20, LSF23,  
 MLT<sup>+</sup>21, MT23, PSMRS<sup>+</sup>23, SRT<sup>+</sup>20, SJCD25, SMO25, SAC<sup>+</sup>21, TWR21].  
**coefficient** [LN23]. **coefficients** [DLD<sup>+</sup>21, Efr20, Efr21a, EBBB22, GF21,  
 MBTB21, NRKA22, ÖAÖ24, PDD24, TAE<sup>+</sup>21, XLX<sup>+</sup>24]. **COGENT**  
 [KDK23]. **coherent** [Jia20, KMBP24, MR22, MS24, Roh22]. **coherent-pair**  
 [Jia20]. **cold** [BGW<sup>+</sup>22]. **ColESo** [Bak23]. **collaborative**  
 [DBBP23, WLL22]. **Collection** [Bak23, Pot24]. **collective**  
 [ASA<sup>+</sup>22, GLW<sup>+</sup>23]. **collider** [GPD<sup>+</sup>22, YZW22]. **colliders** [JWW<sup>+</sup>23].  
**collinear** [GOCSS<sup>+</sup>23]. **collision** [BDK<sup>+</sup>23, BKS24b, CCW<sup>+</sup>25, CKT21,  
 CLZ<sup>+</sup>21, KSJ<sup>+</sup>22, KDK23, SNP<sup>+</sup>20, WJB21, WWB22]. **collisionality**  
 [BJL<sup>+</sup>24]. **collisionality-extended** [BJL<sup>+</sup>24]. **collisionless** [NBB<sup>+</sup>21].  
**collisions** [Ada22, BCT20, BKBL22, CJD<sup>+</sup>20, For22, GBJ<sup>+</sup>21, GSV23,  
 JDD<sup>+</sup>21, MBH21, MEH21, NRG24, SLLA22, WLF<sup>+</sup>23, YZL<sup>+</sup>23, ZGK<sup>+</sup>24].  
**collocated** [KFC<sup>+</sup>20]. **collocation** [FYW23, YNMR24]. **colloidal**  
 [BMT<sup>+</sup>20, BLM<sup>+</sup>22, DG20]. **color** [GG24]. **combination**  
 [ADH<sup>+</sup>20, BRAC23, HT24]. **combinatorial** [JWK<sup>+</sup>21]. **combined**  
 [ACD<sup>+</sup>22, HK24, LF24, LZP<sup>+</sup>24]. **Combining**  
 [ZJC<sup>+</sup>25, LACL24, LJC<sup>+</sup>25, SHW<sup>+</sup>21, ZYML24]. **combustion** [Di 22].  
**ComDMFT** [KSM<sup>+</sup>25]. **COMET** [YLK21]. **Comm**  
 [AAT<sup>+</sup>20, Ano20c, MSHP20, SJY20]. **command** [Kut24]. **command-line**  
 [Kut24]. **commensurate** [NNMJ22]. **Comment** [CCK23, Pen24]. **Commics**  
 [PRS<sup>+</sup>20]. **common** [DAA<sup>+</sup>24]. **Commun**



[FAL21, MKPW22, Och23a, YNV23, ZYX22]. **communication**  
 [GSL<sup>+</sup>23, KMM21]. **Communications**  
 [DVB<sup>+</sup>25b, HM24b, MOMO25, Pag24a, BGR23]. **community** [YCC22].  
**compact** [PLL24]. **Comparative** [SKM<sup>+</sup>21]. **Comparing** [DAA<sup>+</sup>24].  
**Comparison** [HWZ24, NCF<sup>+</sup>23, SLZ<sup>+</sup>24, TV24, TM24, EVMP20, GSLS20].  
**Compatibility** [GOCSS<sup>+</sup>23]. **Compatible** [Sij23, BCD<sup>+</sup>21, OBC<sup>+</sup>24].  
**compiler** [VB22a]. **complement** [ZYLL24]. **Complete** [CS22b, YK21b].  
**complete-search** [YK21b]. **complex**  
 [ASPD<sup>+</sup>21, ABD<sup>+</sup>23, LLG<sup>+</sup>24, CZS<sup>+</sup>21, CCW24, CL22a, DIKSN24,  
 GFH23, HMR22, KHKL24, KDIN<sup>+</sup>23, KKB<sup>+</sup>25, LLT<sup>+</sup>23, LLQ<sup>+</sup>23,  
 LLH<sup>+</sup>21b, MD20b, NR21, PIFPA<sup>+</sup>25, SN23, SXYD24, SFC20, SBP20,  
 WZZS21, WXZ<sup>+</sup>24, WSK24, WZK<sup>+</sup>24, YMCF23, ZGF<sup>+</sup>24].  
**complex-valued** [CL22a]. **complexity** [GJA21]. **component**  
 [ABB<sup>+</sup>24a, BSC<sup>+</sup>21, DKM<sup>+</sup>24, HWL<sup>+</sup>23, YWTK23, Yev21, ZYXC24].  
**component-based** [HWL<sup>+</sup>23]. **composed** [KAG24]. **composites**  
 [BDR<sup>+</sup>20, FLK<sup>+</sup>20, SRK<sup>+</sup>24]. **compound** [NRK<sup>+</sup>21]. **compounds**  
 [AMP<sup>+</sup>21]. **comprehensive** [BXW<sup>+</sup>25, GWA<sup>+</sup>23, MPS<sup>+</sup>24]. **compressible**  
 [Bak23, BMSP21, BBA23, BBA25, BSC<sup>+</sup>21, Dau23, DAC<sup>+</sup>23, GSL24, GB22,  
 HMR22, HWL<sup>+</sup>23, HJGL22, KKB<sup>+</sup>25, LF24, LJH<sup>+</sup>23, LIG<sup>+</sup>24, LJS21,  
 MA24, MZL<sup>+</sup>24, PCS<sup>+</sup>23, RLW<sup>+</sup>24, RCW<sup>+</sup>20, SPLD20, Tan24, YGZG25].  
**compression** [LMHUR23, TW21b, VPS23, WXZH24]. **compressional**  
 [WMS<sup>+</sup>25, YYC<sup>+</sup>23]. **compressive** [LLH21a]. **Comput** [AAT<sup>+</sup>20, Ano20c,  
 FAL21, MKPW22, MSHP20, Och23a, SJY20, YNV23, ZYX22].  
**Computation** [CT23, LY22, ADC<sup>+</sup>21, BV21, Bag22, DLD<sup>+</sup>21, GTA21,  
 GST21, KF23, KGT22, KYH24, KD23, LG21a, LM23, LY24b, LLR23, MG22,  
 MBTB21, PBK21, RZ23, UÁEPGBP24, WLL<sup>+</sup>24, WZZS21, YYZ<sup>+</sup>22].  
**Computational** [AMA<sup>+</sup>20, OSLC21, PRS<sup>+</sup>20, VHBK21, AFB<sup>+</sup>24a,  
 BMREC21, BB24a, BMR<sup>+</sup>24a, BBA23, DBBP23, DBE<sup>+</sup>24, EL24, FZD<sup>+</sup>24,  
 FLW<sup>+</sup>23, HPAW21, HPP23, LWS<sup>+</sup>23, LSF23, LP24, MOA24, MSM24,  
 NAZ<sup>+</sup>21, RGS<sup>+</sup>21, SHB<sup>+</sup>20, Tan23, TW21b, TRB20b, WMM<sup>+</sup>24, WNS<sup>+</sup>21,  
 WSK<sup>+</sup>22, XFGS24, YNMR24, ZHM<sup>+</sup>24, Gal22, OLNG21]. **computationally**  
 [AGJ<sup>+</sup>23, BKS24a, RDZ<sup>+</sup>20]. **computations**  
 [CLVV22, CDD22, CGR21, DNG<sup>+</sup>20, MMM20, RDR<sup>+</sup>20, RHLTG<sup>+</sup>22, Tor20].  
**compute** [Ham20b, KKS24, KMM21, LBM<sup>+</sup>23, MSH22, MFB23,  
 MONW21, PAM24, RVRT22, SFBG20]. **computed** [WKJB23]. **Computer**  
 [AGK<sup>+</sup>23, DVB<sup>+</sup>25b, GB24, HM24b, Jia20, MOMO25, Pag24a, PBK21,  
 SCT21, CZB<sup>+</sup>23, Dry21, EOR21, MPZB<sup>+</sup>24, NAZ<sup>+</sup>22, OYC24, SMO25].  
**computers** [EVFRHR23]. **Computing** [BS25, DEV20, TGBM22, TAE<sup>+</sup>21,  
 BOSM24, CR20, CZS<sup>+</sup>21, CCC20, CGV<sup>+</sup>22, DB24, EBNS22, GAS<sup>+</sup>23,  
 GSV23, HYL<sup>+</sup>22, HTL<sup>+</sup>22, HXS20, HHVB21, HA23, Hid21, Hua24, KIK20,  
 KPL<sup>+</sup>21, LGBJ20, LJS21, SMO<sup>+</sup>20a, SLB<sup>+</sup>23, SCF20, TBAR21, Ume22,  
 WXY20, WXL<sup>+</sup>21, WICA22, Xie23, XLX<sup>+</sup>24, YS22, YJLW21, dMMLoS20].  
**concentrated** [PLSB22]. **concentrations** [BOSM24, TQGE23]. **concurrent**  
 [AS24a, ZWC<sup>+</sup>20]. **condensate** [BKRG22, Jia20, KRG21, RVM<sup>+</sup>21].



**condensates** [MBA21, RPG<sup>+</sup>20, SKDH24, SJCD25]. **condensed** [Jab22b, Jab24, Sch21, Tan23]. **condition** [CdBMdAS<sup>+</sup>21, MMP20, NL23a, RZH22, SvW24, TÁFAB<sup>+</sup>24].  
**Conditional** [CCW24]. **conditions** [CMS22, FMHH24, GVV22, HMM22, MD20a, MVF20, PLL24, PCL24, STA20, SP20, WXY20, WHH25, XZLX20, Yan21a]. **conduction** [Bel24, MM22]. **conductivity** [AS24a, FO20, HYL<sup>+</sup>22, KMG<sup>+</sup>20, LDGN24, MMC<sup>+</sup>21, MPN<sup>+</sup>21, WLLS25, WLCF21]. **confidence** [CTPS22].  
**configuration** [AAMY23, CKP<sup>+</sup>25, GF21, LWS<sup>+</sup>23, PRR23].  
**configurational** [BRAC23]. **configurationally** [GFH23].  
**configurationally-complex** [GFH23]. **configurations** [CW22, IUJ21, LDGN24, LCB25, MMM23, sXBkB<sup>+</sup>22]. **confined** [WGS<sup>+</sup>22].  
**confinement** [CW22, LLH21a, TKC<sup>+</sup>21, XSL<sup>+</sup>22, ZLL<sup>+</sup>24]. **conformal** [Bzo21, HHT22, OKBM23]. **conical** [SPTPR21]. **conjugate** [AUEO24].  
**connecting** [SZ24a]. **Conservation** [MM23, Yev21, HWAA22, LY24a, OCR<sup>+</sup>22, RC23, ZLK25]. **Conservative** [FMHH24, CCW20, DTC20, Gon22, TCSA21, TCY23, WKR23, YZ20b].  
**conserved** [CZY20, Nog21b, PYT<sup>+</sup>24, ZWP<sup>+</sup>22]. **conserving** [BC21, BTK24, FN21, PMK<sup>+</sup>23, Sij23, SWB<sup>+</sup>23, TIG<sup>+</sup>24]. **considerations** [CHA21]. **Consistent** [vRCM21, BN20, BN23, DG25, FH22, HTK24, IYP<sup>+</sup>25, KSM<sup>+</sup>25, KM22, Kut20, ZGSW24]. **consistently** [YWTK23].  
**Constant** [Pag24a, FCTFR20, Pag24b]. **constants** [CT23, LLS<sup>+</sup>21, LLZ<sup>+</sup>22, LEL<sup>+</sup>22, NL23b, PB23]. **constitutive** [LLY<sup>+</sup>22, MEC<sup>+</sup>24]. **Constrained** [GHK20, KWK<sup>+</sup>21, LVMGF<sup>+</sup>23, YKJ<sup>+</sup>24, DR21]. **constraining** [TRN<sup>+</sup>24].  
**Constraint** [SE24]. **constraints** [AAHJ20, KM22]. **constructing** [RBWD<sup>+</sup>24, Xav22, ZYL<sup>+</sup>23]. **Construction** [DZF25, HTS<sup>+</sup>21, Kor23, NNMJ22, SKS24, HS24, Kan24, Ols23, TVSM25].  
**Contact** [MBCC23, ZTV<sup>+</sup>24]. **Contact-based** [MBCC23]. **Contacts** [Gul20, MBCC23]. **containing** [HTK24]. **content** [May21]. **context** [EVMP20]. **continental** [Org22]. **continuation** [CH25, FBMD20, FMBD22, Hua23, KH23, KM22, IHWG24]. **continuations** [BP25]. **continuity** [AIZ23, FN21, ZLK25]. **continuous** [HK24, LS22, MKHT20, SNG20]. **continuous-time** [MKHT20, SNG20].  
**Continuum** [SSB<sup>+</sup>23, GDS<sup>+</sup>21, JHH<sup>+</sup>25, STRF<sup>+</sup>20, TAB<sup>+</sup>22, TCSD24, VV21, ZWZ<sup>+</sup>22].  
**contour** [LLL25]. **Contraction** [Dju20, YK21b]. **contrastive** [SY25].  
**Control** [AAA<sup>+</sup>20, BB21, Cas24, COW24, CCW<sup>+</sup>25, JM24, MOV21, RCH24, RHW<sup>+</sup>21, RBWD<sup>+</sup>24, RBWD<sup>+</sup>25, RRM<sup>+</sup>23]. **controlled** [OS24, YP24].  
**controlled-source** [YP24]. **Controlling** [BKB<sup>+</sup>21]. **CONUNDrum** [GM20]. **convection** [HA21, RSD20, SRT<sup>+</sup>20, XDF20]. **convective** [KKPC23]. **convergence** [ABFP24, DTGE21, JG24]. **convergent** [WLF<sup>+</sup>23]. **conversion** [ACKB23, PPK22, ŽTR<sup>+</sup>22]. **Converter** [ACKB23].  
**convex** [LHG<sup>+</sup>20, MHK24a, Yan24a]. **convolutional** [TAGC22a]. **COOL**



[YGZG25]. **CoolFOAM** [FCSP20]. **cooling** [EBNS22]. **CoolProp** [FCSP20]. **CoOMBE** [PW25]. **Cooper** [PTD20]. **coordinate** [BR20a, CLS<sup>+</sup>22a, CCW<sup>+</sup>25, MSU<sup>+</sup>21, WH23, WXX24, YJ24]. **coordinate-scaled** [BR20a]. **coordinate-space** [CLS<sup>+</sup>22a]. **coordinates** [ALB22, BJS<sup>+</sup>23, CZB<sup>+</sup>23, SSB<sup>+</sup>23]. **copolymer** [CZY20, LM21a, WXZ<sup>+</sup>24]. **copolymer/homopolymer** [LM21a]. **core** [CXCZ23, CL21, KMM21, OGL<sup>+</sup>21, SDL<sup>+</sup>21]. **corepresentations** [LZYY23]. **cores** [WWM<sup>+</sup>22]. **corona** [DBR24]. **coronaChargingFoam** [YFL22]. **corrected** [AKK<sup>+</sup>24, KKM<sup>+</sup>20, SA23]. **correction** [CS22a, MD20a, SvdW24]. **corrections** [BKG<sup>+</sup>23, KM20, KMS20b, WLCF21]. **correlated** [AMK24, BS23, HAM<sup>+</sup>20a, KSM<sup>+</sup>25, SP23]. **correlation** [Bzo21, LWZD25, PSK<sup>+</sup>24]. **CorrelationFunctions.jl** [PSK<sup>+</sup>24]. **corresponding** [CGV<sup>+</sup>22]. **Corrigendum** [AAT<sup>+</sup>20, Ano20c, DVB<sup>+</sup>25b, HM24b, MKPW22, MOMO25, MSHP20, Och23a, Pag24a, ZYX22]. **cortex** [dMMLOS20]. **COSE** [GLW<sup>+</sup>23]. **cosmic** [GB24, Mau20, MNS<sup>+</sup>24, SBG23, VPPQ21]. **cosmic-ray** [Mau20]. **cosmological** [Bar22a, CB25, VPPQ21]. **cosmologies** [AAHJ20, Kar23b]. **cosmology** [CFPS23]. **Cost** [RL21]. **Cost-efficient** [RL21]. **Coulomb** [AB21, CXCZ23, DL24, RZ23, SSB<sup>+</sup>23, TRN<sup>+</sup>24, TNL<sup>+</sup>22]. **counting** [GvdBdGN24, ZWG<sup>+</sup>24]. **COUP** [AKK<sup>+</sup>24, KKM<sup>+</sup>20]. **Coupled** [KR23, ASU<sup>+</sup>21, BKRG22, BGW<sup>+</sup>22, Car25, CZY20, CGV<sup>+</sup>22, CMS24, DGHA25, GTMB21, JLL<sup>+</sup>24, JDD<sup>+</sup>21, KRG21, KMBP24, KSF<sup>+</sup>22, Koz23, KFPV21, KBSH20, LM21a, LZZ<sup>+</sup>25, MEC<sup>+</sup>24, MPH<sup>+</sup>24, MVAXP22, MBA21, MASFP25, OCC23, PTH24, PBC<sup>+</sup>24, PPKK21, RVM<sup>+</sup>21, STRF<sup>+</sup>20, TWR21, VGGP<sup>+</sup>21, Xav22, XPF<sup>+</sup>24, ZCWY20, ZS24, Zho23]. **coupled-channel** [CGV<sup>+</sup>22]. **coupled-cluster** [PPKK21]. **CoupledElectricMagneticDipoles.jl** [MASFP25]. **Coupling** [MEDT<sup>+</sup>23, RSC<sup>+</sup>22, YLK<sup>+</sup>20, AG21, BRHT21, CCC20, Dau23, Gai20, GF21, GOCSS<sup>+</sup>23, HTL<sup>+</sup>22, JMOC21, LLC<sup>+</sup>23, LACL24, PDD24, SHRK22, TLC<sup>+</sup>21, WXZH24, XLL<sup>+</sup>22, YD20, Gai20]. **couplings** [HLM22]. **covariation** [HL21]. **CP** [LEE<sup>+</sup>21a]. **CP3d** [GWA<sup>+</sup>23]. **CPC** [SHB<sup>+</sup>20]. **CPL** [STRF<sup>+</sup>20]. **CPU** [BL25, DMS<sup>+</sup>22, Dür23, GB22, HG22, PSK<sup>+</sup>24, RCX24, SBG23]. **CPU/GPU** [BL25]. **CPUs** [CZTF23]. **Crank** [LNB23]. **creation** [WAN<sup>+</sup>22]. **criterion** [MHÅ21]. **critical** [GO23, ZYG21]. **criticality** [PAZ<sup>+</sup>22]. **Cross** [SJY18, SJY20, AS22, AYB24, BFMA<sup>+</sup>24, DS20, Hor24, Jab24, OSK<sup>+</sup>21, PYT<sup>+</sup>24, SY20, SLLA22, ST23b, WLL22, ZGK<sup>+</sup>24]. **Cross-platform** [SJY18, SJY20, OSK<sup>+</sup>21]. **cross-section** [WLL22]. **cross-sections** [AYB24]. **crossings** [GSV23]. **crosslinking** [ZBS<sup>+</sup>23]. **Crystal** [GK21, LS23, SY25, Dan24, EGLK20, FPSZ21, Kor23, PRR23, RZ23, TCY23, YML<sup>+</sup>24, ZMN<sup>+</sup>24, ZHS<sup>+</sup>20, dSOZ22, CZA<sup>+</sup>23]. **crystalline** [GBR23, MPSK21, WLF<sup>+</sup>24, YLH<sup>+</sup>20, vTDGCR21]. **CRYSTALpytools** [CZA<sup>+</sup>23]. **crystals**



[LLL25, MSH22, SLL<sup>+</sup>24, SPF21, TRB<sup>+</sup>20a, WZZS21, WXZH24, ZYL<sup>+</sup>23].  
**CSEM** [Yan23]. **CSL** [XSM22]. **CSPlib** [DIKSN24]. **cubic** [Ilt21]. **CUDA**  
 [BKP22, BLM<sup>+</sup>22, DS22, JRG21, JS24, NS20, STA20, SKEZ24a, SKEZ24b,  
 WKJB23, XHY<sup>+</sup>24, YW21]. **CUDA-Aware** [DS22]. **CUDA-based**  
 [SKEZ24b, SKEZ24a]. **cuFFT** [HT24]. **cumulative** [GST21]. **CUR**  
 [LMHUR23]. **current** [EBBB22, FN21, SWB<sup>+</sup>23, VTB<sup>+</sup>21]. **currents**  
 [VPS23]. **Curvature** [KWK<sup>+</sup>21]. **curve** [ET24, ZLV23]. **curved**  
 [PMS20b, YXX<sup>+</sup>21]. **curves** [DZZ21]. **curvilinear** [ALB22, MSM24, PD23].  
**custom** [Kan23, Kan24]. **customizable** [Mar22, ZTV<sup>+</sup>24]. **cutoff** [Mar22].  
**CVODE** [PTH24]. **cycle** [VTB<sup>+</sup>21]. **cyclic** [LF20]. **Cyclically** [CGR21].  
**cyclotron** [DFP<sup>+</sup>20, FYM<sup>+</sup>22, WXX24]. **cylindrical**  
 [Flo24, LEE<sup>+</sup>21a, WXX24].

**D** [Pen24, YYZ<sup>+</sup>22, ALB22, ATC<sup>+</sup>23, BKP22, BRAC23, BGW<sup>+</sup>22, CAC<sup>+</sup>22,  
 CZS<sup>+</sup>21, CEKR24, CCW20, Dau23, DFG<sup>+</sup>23, DRZ<sup>+</sup>21, DBH<sup>+</sup>22, GTE21,  
 GPM<sup>+</sup>21, GUW<sup>+</sup>22, GSL<sup>+</sup>23, GTB24, GOS<sup>+</sup>22, IGL<sup>+</sup>24, JLW24, JDD<sup>+</sup>21,  
 KWZ24, KNJ<sup>+</sup>23, LEE<sup>+</sup>21a, LLZ<sup>+</sup>23, LJC<sup>+</sup>25, LS22, LCB25, LLH<sup>+</sup>21b,  
 MMP20, MPH<sup>+</sup>24, NUK<sup>+</sup>22, NSY<sup>+</sup>23, NT24, PMS<sup>+</sup>20a, PGYF21, RMCC22,  
 RFBF20, Sch21, SP20, SLDF<sup>+</sup>21, SCL22, SBB<sup>+</sup>24, TCSA21, WJB21,  
 WWB22, WKBW21, WZC21, WT22, WWDM20, XFH<sup>+</sup>22, XLG<sup>+</sup>23, YNV22,  
 YHY<sup>+</sup>21, YKY<sup>+</sup>22, ZGW20, ZL20]. **D-2V** [TCSA21]. **D-3V** [DFG<sup>+</sup>23].  
**D-T** [LJC<sup>+</sup>25]. **D-VIRTUS** [MMP20]. **D-Wave** [WWDM20]. **D/3** [Dau23].  
**DAMME** [RBWD<sup>+</sup>25]. **damping** [CFW<sup>+</sup>23]. **DAMQT** [KLM<sup>+</sup>22]. **Darcy**  
 [Yan21b]. **Dark** [BHK<sup>+</sup>21, ABB<sup>+</sup>24a, Cel24, EMM<sup>+</sup>23, LSZ23, May21,  
 PAM24, BCD<sup>+</sup>21, GUAD22, OBC<sup>+</sup>24]. **DarkNews** [AZH<sup>+</sup>24]. **DarkPACK**  
 [PAM24]. **Data** [AAA<sup>+</sup>20, CFW<sup>+</sup>23, Gag25, HCAH<sup>+</sup>24, HSO<sup>+</sup>22, KvH21,  
 MMYU22, MYM<sup>+</sup>22, SMC<sup>+</sup>22, ACD<sup>+</sup>22, AES21, ANU21, BYL<sup>+</sup>21, BS23,  
 CGG21, CCW24, CWZ<sup>+</sup>24, CMLA25, DR21, DFP<sup>+</sup>20, Dry21, GvdBdGN24,  
 HGT24, Hua23, IHWG24, JKKN23, KvdW20, KIK20, KFHR24, LM22,  
 LSF23, OSE<sup>+</sup>20, PNL<sup>+</sup>24, PP21, RDH<sup>+</sup>20, RdSH<sup>+</sup>24, SPTPR21, SJ20,  
 SRML20, SLIC24, SCF20, SHRK22, TRN<sup>+</sup>24, TC24, WBF<sup>+</sup>24, WKJB23,  
 WYZZ23, XLG<sup>+</sup>23, YKJ<sup>+</sup>24]. **Data-analysis** [MYM<sup>+</sup>22, CGG21].

#### **Data-driven**

[CFW<sup>+</sup>23, HCAH<sup>+</sup>24, HSO<sup>+</sup>22, SMC<sup>+</sup>22, CWZ<sup>+</sup>24, LSF23, WYZZ23].  
**data-structures** [SJ20]. **datasets** [BBV23]. **day** [BR20a]. **DCA**  
 [HAM<sup>+</sup>20a]. **De-noising** [TAGC22a]. **Debugging** [SAN24]. **Debye**  
 [DRZ<sup>+</sup>21, XFH<sup>+</sup>22]. **Debye-type** [XFH<sup>+</sup>22]. **decade** [OYG<sup>+</sup>24]. **decay**  
 [AG23, ABWZ23, ABH<sup>+</sup>23, CWZ<sup>+</sup>24, Hor23b, LWhK<sup>+</sup>20, LF20, Sat21,  
 TSJ<sup>+</sup>21, VFS23]. **decaying** [TSV<sup>+</sup>25]. **decays**  
 [AKK<sup>+</sup>24, CV24, DDM20, KKM<sup>+</sup>20, KKS24, KM20, KMS20b]. **December**  
 [Ano20d, Ano21c, Ano22c, Ano23c, Ano24c]. **decomposition**  
 [CFSV25, CSC25, GHL23, KFHR24, LGDF20, LAD<sup>+</sup>21, LY24b, MRD23,  
 OCR<sup>+</sup>22, Pen24, TGS<sup>+</sup>20, VPPQ21, VPPQ<sup>+</sup>24, YYY22, YKJ<sup>+</sup>24, ZLY24].  
**decompositions** [CKT21, RYS<sup>+</sup>24]. **decoupled** [LM21a, Yan21b].



**Decoupling** [FAZ24, ZWZ<sup>+</sup>22]. **Deep** [GUAD22, MM22, TSAK21, TGIM23, YYZ<sup>+</sup>22, ZGW20, Bav24, BKG<sup>+</sup>23, CMLA25, FAZ24, KKY24, MLZ<sup>+</sup>23, ZWC<sup>+</sup>20, AEG<sup>+</sup>25, LWC<sup>+</sup>21]. **DeepBHCP** [MM22]. **DeepFlame** [MLZ<sup>+</sup>23]. **DeePKS** [CZWE23]. **DeePKS-kit** [CZWE23]. **defect** [Ham20b, Pot24, SDA<sup>+</sup>25, TQGE23]. **defects** [AM21a, DIAA21, TR22, vTDGCR21]. **defined** [KKSV24]. **definition** [YZL<sup>+</sup>23]. **deflation** [Kub24]. **deformation** [AE23, SN23]. **deformed** [MSN<sup>+</sup>22, VvBTH20]. **degeneracy** [TRN<sup>+</sup>24]. **degenerate** [FAZ24]. **degree** [LMWW24a, WJB21]. **DeHNSSo** [WHSK24]. **Delft** [WHSK24]. **delta** [Bul21, CJD<sup>+</sup>20, MM23]. **delta-** [CJD<sup>+</sup>20]. **DEM-Engine** [ZTV<sup>+</sup>24]. **demonstrated** [PD24]. **DEMPgen** [AEG<sup>+</sup>25]. **Deneb** [YKK23b]. **denoising** [HGS20]. **dense** [BCTS22, BRHT21, KHR<sup>+</sup>23, KKL21, MHK24b, zYMK<sup>+</sup>21]. **densities** [WKBW21]. **Density** [MVK<sup>+</sup>24, Pag24a, QJ21, BGW<sup>+</sup>22, BPMS25, BS25, BW23, CPL21, CZWE23, COP<sup>+</sup>24, DMS<sup>+</sup>22, DL24, DH20, FASD20, FWL<sup>+</sup>24a, GM20, GBR23, GC25, GBD<sup>+</sup>22, HFP21, IJVJ21, IUJ21, JRS<sup>+</sup>21, Kar23a, KLM<sup>+</sup>22, LYC20, LR22, MHK24b, MDP22, MDR<sup>+</sup>20, Pag24b, SLE<sup>+</sup>22, SXW<sup>+</sup>20, SLZY21, SHW<sup>+</sup>21, TMC22, VCF22, YT23, ZLLM23]. **density-functional** [GBD<sup>+</sup>22, SXW<sup>+</sup>20, SLZY21, TMC22]. **density-in** [Kar23a]. **density-in/dependent** [Kar23a]. **DensityTool** [LR22]. **dependence** [BAB<sup>+</sup>20, YZL<sup>+</sup>23]. **dependencies** [AS24a]. **Dependent** [BBB20, MVK<sup>+</sup>24, BAB<sup>+</sup>20, COP<sup>+</sup>24, Dio23, GSLS20, GBD<sup>+</sup>22, HSB<sup>+</sup>24, Hor23a, JRS<sup>+</sup>21, KPST21, Kar23a, KKPC23, KM23, LY22, LY24b, NLS24, RdMS25, SGS23, Scr22a, WJB21, WWB22, WHB21, WBvdH20, XSL<sup>+</sup>22, YWK<sup>+</sup>24, YSMB23]. **depletion** [BKB<sup>+</sup>21]. **Deploying** [LSF23]. **deposition** [HTL<sup>+</sup>22, KPR<sup>+</sup>24, SWB<sup>+</sup>23, TLC<sup>+</sup>21]. **derivation** [NYN<sup>+</sup>21, PSW23, PSW23]. **derivatives** [GOST23, Rod22]. **derived** [CMJC21, RG21]. **DescMAP** [ZLV23]. **described** [MBCC23]. **description** [GSV23]. **descriptor** [ZLV23]. **descriptors** [HJM<sup>+</sup>20]. **design** [AGMFGE23, AS24a, CZX<sup>+</sup>21, CQS<sup>+</sup>24, HSLC24, HSB<sup>+</sup>24, KL23b, MMCC<sup>+</sup>22, MOA24, RdSH<sup>+</sup>24, VB22a, XLG<sup>+</sup>23, YWM23]. **designs** [HK24]. **detailed** [RCX24, SPF21]. **detect** [KIK20]. **Detection** [BBLB<sup>+</sup>25, BFG24, Cel24, EGKH24, JKST22, KRJ23, LMQ<sup>+</sup>23, PNL<sup>+</sup>24]. **detector** [CGG21, Kan24, NRG22, NRG24, TAGC22b]. **detectors** [ABGD<sup>+</sup>20, KTF22]. **determinants** [AJDS<sup>+</sup>21, FMT24]. **Determination** [CH25, HTK24, HSO<sup>+</sup>22, LN23, LS24, NBC<sup>+</sup>24, PWC24, ZLV23]. **determine** [BDF<sup>+</sup>25, DEdM24, HHMH<sup>+</sup>22, MDP22]. **deterministic** [CHA21]. **detonation** [PD23, SWTC23]. **detonationFoam** [SWTC23]. **detrended** [GHKW22]. **develop** [WAET22]. **developed** [JMOC21, LHWX24, MG22]. **Developing** [WRM<sup>+</sup>24, CZWE23]. **Development** [BKP22, COJ<sup>+</sup>22, CKC<sup>+</sup>21, CLEPF22, DBV<sup>+</sup>24, JKSY22, KMN21, LBM<sup>+</sup>23, LIG<sup>+</sup>24, MGX24, OBC<sup>+</sup>24, DARJ23, VLS22, ZMC23, ZDSS23, ZYG21, DBBP23, DSW<sup>+</sup>23, HWL<sup>+</sup>23, OIA<sup>+</sup>20, OYG<sup>+</sup>24]. **developments** [GAA<sup>+</sup>20]. **devices** [BMI23, BM22, DGHA25, HSB<sup>+</sup>24,



KK20, KNJ<sup>+</sup>23, RMCC22, RdSH<sup>+</sup>24, ZHM<sup>+</sup>24]. **dfemtoolz** [MVF20].  
**DFMSPH22** [GCK21]. **DFPT** [PP24]. **DFT**  
 [DMS<sup>+</sup>22, GOCSS<sup>+</sup>23, LG23, MSG<sup>+</sup>21, MDR<sup>+</sup>20, RCP<sup>+</sup>24, VMRFC23].  
**DFT-FE** [DMS<sup>+</sup>22, MDR<sup>+</sup>20]. **DG** [PMK<sup>+</sup>23, YKK23b]. **diagnostic**  
 [PSMRS<sup>+</sup>23]. **diagnostics** [JSS<sup>+</sup>24]. **diagonalization**  
 [ACS<sup>+</sup>22, KF23, LQ21, LQGL21]. **diagonally** [KBSL22]. **diagram** [BMI23].  
**diagrammatic** [MSY<sup>+</sup>21]. **diagrams**  
 [ATRD21, Gro23, MSH22, MRD23, PCL24, RUV20, WSRO24].  
**diamond-difference** [CL21]. **DIAPHANE** [RDC<sup>+</sup>20]. **Diatomic**  
 [RV21, WLX24, YZ20b, BGHC23]. **Diatomic-py** [BGHC23]. **diblock**  
 [CZY20, WXZ<sup>+</sup>24]. **dichotomy** [TCY<sup>+</sup>21, YX24]. **dichroism** [NG21].  
**Dicke** [VCHH23]. **dielectric** [MHÅ21]. **difference** [CL21, Cos22, CESD<sup>+</sup>23,  
 FLS25, GMZ<sup>+</sup>20, KBSH20, SP20, WDMZ24, ZJC<sup>+</sup>25, Zho23, dSOZ22].  
**difference/spectral** [GMZ<sup>+</sup>20]. **difference/spectral-Galerkin** [GMZ<sup>+</sup>20].  
**differences** [BGH22, GBH20]. **different**  
 [HWZ24, KFC<sup>+</sup>20, LJC<sup>+</sup>25, PLL24, SLZ<sup>+</sup>24]. **differentiable**  
 [AS24b, BBA23, BBA25, FSMM24, MFS<sup>+</sup>22, XLG<sup>+</sup>23]. **Differential**  
 [ASW20, AS22, ASU<sup>+</sup>21, BDF<sup>+</sup>25, CCW24, DEdM24, Jab24, LWhK<sup>+</sup>20,  
 Lee21b, Pen24, ZLY24]. **differentiation**  
 [CRZ25, MMM20, RCP<sup>+</sup>24, PCS<sup>+</sup>23]. **DiffExp** [Hid21]. **diffraction**  
 [HMYH22, HSO<sup>+</sup>22, KYH24]. **diffractive** [ST23b]. **diffuse**  
 [LY24a, YWTK23]. **diffuse-interface** [YWTK23]. **diffusion**  
 [BB24b, DRM20, GBS<sup>+</sup>20, GHL<sup>+</sup>22, GMZ<sup>+</sup>20, HSMR<sup>+</sup>24, KBB21, KHR<sup>+</sup>23,  
 LN23, PTH24, PGYF21, SRML20, SS21b, TWW22, WXZ<sup>+</sup>24, WWS<sup>+</sup>25,  
 WSK<sup>+</sup>22, XDF20, YFL22, ZYX21, ZYX22]. **diffusive** [MP21]. **Digitalising**  
 [TS25]. **dihedral** [MBCC23]. **dilepton** [BKBL22]. **dimension**  
 [GSL20, GG24, ZJ23, dMML20]. **Dimensional** [RBV<sup>+</sup>22, AHP21, BV21,  
 BM22, BKO20, BR20b, BSK<sup>+</sup>22, CLS<sup>+</sup>22a, CY24, CL21, Dan24, DDW25,  
 DZF25, Din25, DS20, DH20, DKRSR22, DGHA25, GMZ<sup>+</sup>20, HT24, Hid21,  
 KLD<sup>+</sup>21, KM23, KMD<sup>+</sup>21, LGZ<sup>+</sup>25, LW24, LMQ<sup>+</sup>23, LHTP<sup>+</sup>24, MD20b,  
 MSH22, MFB23, MOMO24, MOMO25, MYM<sup>+</sup>22, MCP23, NA20, ODU24,  
 OCE<sup>+</sup>23, PMK<sup>+</sup>23, PD23, SRT<sup>+</sup>20, SRS<sup>+</sup>25, SLZ<sup>+</sup>24, SMC<sup>+</sup>22, SXYD24,  
 TTM22, UÁEPGBP24, WXZH24, WZPW20, ZDG<sup>+</sup>21, Zho23].  
**dimensionless** [RDZ<sup>+</sup>20]. **dimensions**  
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**dimuonium-matter** [UAS22]. **dipolar** [YSMBA23]. **dipole** [Arn20, KR23].  
**dipoles** [MASFP25]. **Dirac**  
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 MHK24a, MZL<sup>+</sup>24, NUK<sup>+</sup>22, WWZ<sup>+</sup>23, YFL22, YCCW23, ZPZH20].  
**direct-addressing** [YCCW23]. **direct-drive** [NUK<sup>+</sup>22]. **Direct-Fit** [RV21].  
**Direct/split** [ZYXC24]. **direction** [ALB22]. **directional** [BA24].  
**DIRQFAM** [BN20, BN23]. **discharges** [DBR24, FASM24, MMP20].  
**disconnected** [KDHL23, LMWW24a, WSRO24]. **discontinuity** [CAC<sup>+</sup>22].



**Discontinuous** [CJ21, DGM20, SVSC20, SDBS24, FRN<sup>+</sup>23, FMHH24, HWL<sup>+</sup>23, HWZ24, IPSW24, JKSY22, KSJ<sup>+</sup>22, KMD<sup>+</sup>21, KKB<sup>+</sup>25, MGX24, MPQ<sup>+</sup>22, QWZ<sup>+</sup>21, SMA24, SS21b, YXX<sup>+</sup>21, ZJS<sup>+</sup>20]. **Discovering** [TC24]. **Discrete** [LSW<sup>+</sup>20, MYMK<sup>+</sup>21, ZTV<sup>+</sup>24, BSK<sup>+</sup>22, CFBRE24, GLB<sup>+</sup>21, HK24, HTL<sup>+</sup>22, JGJ20, KCS22, KMR22, LHC20, LHG24, ONH<sup>+</sup>20, QCZ23, SRC21, YW21, Zha20, ZWP<sup>+</sup>22, ZZ21a, KWZ24]. **discrete-event** [SRC21]. **discrete-time** [JGJ20]. **discretisation** [SBZ23, WJB21]. **discretization** [DMS<sup>+</sup>22, EOR21, GBS<sup>+</sup>20, LC24, PMK<sup>+</sup>23, SVSC20, SFS22, TKS22]. **disjoining** [NLS24]. **disk** [RDR<sup>+</sup>20]. **Disks** [DG20]. **dislocation** [YZ20a]. **disordered** [MBCC23, TRB20b, YLLW24]. **dispatch** [SAC<sup>+</sup>21]. **dispersion** [BXW<sup>+</sup>25, KR23, LLL24b, MSH22, Pöt20, PPK22, RVRT22]. **dispersive** [DNG<sup>+</sup>20, DRZ<sup>+</sup>21, XFH<sup>+</sup>22]. **displacement** [GLSH21, PP24, XSM22]. **disruption** [HEF21]. **dissipation** [KFC<sup>+</sup>20, Kul20]. **Dissipative** [DVC<sup>+</sup>22, DHE<sup>+</sup>24, JCM20, CGSO20, DC22, DH20, UD24, XBL<sup>+</sup>20, BKB<sup>+</sup>21]. **distance** [Zha20]. **distances** [TGBM22]. **distinguishability** [OV23]. **distorted** [OYC24, PGYF21]. **distorted-wave** [OYC24]. **Distributed** [NRG22, GMZ<sup>+</sup>20, KvH21, KFHR24, RSC<sup>+</sup>22, TPS<sup>+</sup>24, zYMK<sup>+</sup>21]. **distributed-order** [GMZ<sup>+</sup>20]. **Distribution** [BJS<sup>+</sup>23, BXW<sup>+</sup>25, BCSS24, CCMR21, GST21, KKB<sup>+</sup>24, KAG24, NBC<sup>+</sup>24, PK24, SXW<sup>+</sup>20, YZ20a]. **distributions** [BKS24a, BFL<sup>+</sup>22, BFMA<sup>+</sup>24, KPST21, Pos22, SJ21, SMC<sup>+</sup>22, Xie23]. **Disturbance** [LJH<sup>+</sup>23, HJGL22]. **Divergence** [LGDF20, MOV21, YZW21]. **Divergence-free** [LGDF20, YZW21]. **divertor** [YHH<sup>+</sup>20]. **divided** [BGH22, GBH20]. **DIZET** [AGK<sup>+</sup>23]. **DLBFoam** [TPK<sup>+</sup>21]. **DMFT** [MSY<sup>+</sup>21]. **DMFTwDFT** [SHW<sup>+</sup>21]. **dmscatter** [GJJN23]. **DNMOGA** [WYHW24]. **DNS** [LBS<sup>+</sup>23]. **Do** [SMO25]. **DoFun** [HCP20]. **Domain** [SDBS24, AS24a, DGM20, DRZ<sup>+</sup>21, ET24, HPAW21, KD23, LY24b, LSS<sup>+</sup>25, MRD23, PNL<sup>+</sup>24, Pen24, PPK22, RRC<sup>+</sup>24, TTM22, WXZ<sup>+</sup>24, WLCY25, YZW21, YYY22, Yan23, YP24, ZLY24, ZWG<sup>+</sup>24]. **Domain-specific** [SDBS24]. **domains** [CZS<sup>+</sup>21, NR21, WXZ<sup>+</sup>24]. **DoNOF** [PM21]. **donor** [BMR<sup>+</sup>24a]. **donor/acceptor** [BMR<sup>+</sup>24a]. **Doppler** [GRCT20]. **dot** [GLB<sup>+</sup>21]. **dots** [PC21]. **Double** [VB22b, ABF<sup>+</sup>23a, GCK21, Kar23a, TNL<sup>+</sup>22]. **double-folded** [Kar23a]. **Doublet** [KM20, KMS20b]. **down** [Gon22]. **down-sampling** [Gon22]. **DP** [ZWC<sup>+</sup>20]. **DP-GEN** [ZWC<sup>+</sup>20]. **DPD** [LBM<sup>+</sup>23]. **Dragon** [MHK24b]. **DRalgo** [EST23]. **Drawing** [Gro23]. **dream** [SMO25, HEF21]. **Drell** [AFJ<sup>+</sup>23]. **Drift** [ZSqXY21, BXW<sup>+</sup>25, GTB24, TAGC22a]. **drift-kinetic** [GTB24]. **drive** [NUK<sup>+</sup>22]. **driven** [AE23, BM20, BGW<sup>+</sup>22, CFW<sup>+</sup>23, CWZ<sup>+</sup>24, HCAH<sup>+</sup>24, HSO<sup>+</sup>22, LKK23, LLH21a, LSF23, PMSHG23, PLT<sup>+</sup>23, SMC<sup>+</sup>22, SBP20, WYZZ23, ZYG21]. **Driver** [BMREC21]. **driving** [FDPT23]. **DRM** [YKK23b]. **DRM-DG** [YKK23b]. **droplet** [AE23]. **Droplets** [PLSB22]. **Drude** [LW24]. **DSc** [Dry21]. **DScribe** [HJM<sup>+</sup>20]. **DSMC** [ZWZ<sup>+</sup>22]. **DSQSS** [MYMK<sup>+</sup>21].



**dual** [CJZ21, NTO24, WXZH24, WVK21, ZTV<sup>+</sup>24]. **dual-GPU** [ZTV<sup>+</sup>24]. **DualSPHysics** [ZLK25]. **duct** [OSE<sup>+</sup>20]. **Duffing** [BDdM20]. **DUGKS** [KWZ24]. **DUGKS-GPU** [KWZ24]. **Duguet** [CCK23]. **dump** [Ham20b]. **dune** [BDR<sup>+</sup>20]. **dupin** [BFG24]. **during** [Dan24, MRG22, ZDG<sup>+</sup>21]. **dust** [LLT<sup>+</sup>23]. **dye** [NI22]. **Dynamic** [MLT<sup>+</sup>21, MRD23, BBB20, DRM20, KGT22, MRH<sup>+</sup>23, PCS<sup>+</sup>20, SXW<sup>+</sup>20, TPK<sup>+</sup>21, YKJ<sup>+</sup>24, YD20, ZHZG23]. **dynamical** [CE22, DDW25, DWD<sup>+</sup>24, GLSH21, HTL<sup>+</sup>22, JGJ20, MBH21, MEH21, TC24, YKJ<sup>+</sup>24, SHW<sup>+</sup>21]. **dynamically** [KMRB24, RCB<sup>+</sup>20]. **Dynamics** [AMA<sup>+</sup>20, DVC<sup>+</sup>22, DHE<sup>+</sup>24, JCM20, MKPW21, MKPW22, PIFPA<sup>+</sup>25, YD20, vRCM21, AFB<sup>+</sup>24a, BDC<sup>+</sup>25, BB24a, BMR<sup>+</sup>24a, BBA23, BCTS22, CLY22, CGSO20, CLS22b, CZTF23, CHY<sup>+</sup>24, CDT22, CL22b, DTGE21, DL24, DC22, Dio23, DH20, EMB<sup>+</sup>25, FFTV23, GVV22, Ham20b, HyLF23, HWZ24, KF23, KCJX24, KMM21, LLT<sup>+</sup>23, LLQ<sup>+</sup>23, LN23, LF24, LSF23, LVMGF<sup>+</sup>23, LJS21, MHK24a, MHP23, MHK24b, MBCC23, MRG22, NRKA22, NS20, NI22, ODU24, OEI<sup>+</sup>22, OAP<sup>+</sup>24, PCS<sup>+</sup>20, RdMS25, Sch21, SKC21, SC22, SSPF24, SSD<sup>+</sup>22, STS<sup>+</sup>25, SJY18, SJY20, TM24, UD24, UAWW25, VXT<sup>+</sup>23, VRI24, VCHH23, WNS<sup>+</sup>21, WSK<sup>+</sup>22, Wor20, WS23, XBL<sup>+</sup>20, XQ21, XLKX21, YGZG25, ZHI23, ZJS<sup>+</sup>20, ZPL<sup>+</sup>21, BKB<sup>+</sup>21, LWC<sup>+</sup>21, OLNG21]. **dynamos** [TPCT22]. **DynDen** [DTGE21]. **dyons** [MCP23].

**EAST** [BYWW23]. **easy** [MD20b, WKBW21]. **easy-to-implement** [MD20b]. **easy-to-use** [WKBW21]. **EasyScan\_HEP** [SZ24a]. **ECCPA** [SLLA22]. **ECOGEN** [SPLD20]. **ecology** [OCE<sup>+</sup>23]. **ecosystem** [PIFPA<sup>+</sup>25]. **ECPSSR** [Hor24]. **ECRad** [DFP<sup>+</sup>20]. **Eddy** [CJ21, VPS23, VTB<sup>+</sup>21, YCC22]. **eddy-current** [VTB<sup>+</sup>21]. **edge** [GUW<sup>+</sup>22, RSHS24, SDXY23, SBZ23, WPMK21, WRM<sup>+</sup>24, YWM23]. **EDIPack** [ACS<sup>+</sup>22]. **Editorial** [Sco21, Ano20e, Ano20f, Ano20g, Ano20h, Ano20i, Ano20j, Ano20k, Ano20l, Ano20m, Ano20n, Ano20o, Ano20p, Ano21d, Ano21e, Ano21f, Ano21g, Ano21h, Ano21i, Ano21j, Ano21k, Ano21l, Ano21m, Ano21n, Ano21o, Ano22d, Ano22e, Ano22f, Ano22g, Ano22h, Ano22i, Ano22j, Ano22k, Ano22l, Ano22m, Ano22n, Ano22o, Ano23d, Ano23e, Ano23f, Ano23g, Ano23h, Ano23i, Ano23j, Ano23k, Ano23l, Ano23m, Ano23n, Ano23o, Ano24d, Ano24e, Ano24f, Ano24g, Ano24h, Ano24i, Ano24j, Ano24k, Ano24l, Ano24m, Ano24n, Ano24o, Ano25a, Ano25b, Ano25c]. **EDMFT** [KSM<sup>+</sup>25]. **education** [DBBP23, DBE<sup>+</sup>24]. **effect** [MD20a, YYC<sup>+</sup>23]. **Effective** [BBB20, DPR<sup>+</sup>20, DRR<sup>+</sup>24, HLCD20, DZZ21, EST23, GTE21, HS24, NYN<sup>+</sup>21, PC21, RTRB21, TM24, ZJM<sup>+</sup>25, ZD25]. **Effects** [LLT<sup>+</sup>23, LLQ<sup>+</sup>23, ASA<sup>+</sup>22, BC21, CW22, DBM<sup>+</sup>24, GVV22, JGJ20, VGGP<sup>+</sup>21, WMS<sup>+</sup>25]. **Efficacious** [GLSH21]. **Efficacy** [MLD<sup>+</sup>22]. **Efficiency** [KBSL22, TPCT22, HTL<sup>+</sup>22, KRJ23, PP21, SKEZ24a, Tan24, XHY<sup>+</sup>24]. **Efficient** [AJDS<sup>+</sup>21, BP21, BW23, CE22, CZY20, DFG<sup>+</sup>23, EPM23, EL24, GHKW22,



HG22, JDD<sup>+</sup>21, KPST21, KCS22, KBB21, LG21a, LM21a, LS24, MK22, Mar22, PPK22, SK24, SRC21, SLZY21, SNG20, SFC20, SW25, TAY<sup>+</sup>24, UÁEPGBP24, WXZ<sup>+</sup>24, WGS<sup>+</sup>22, YWTK23, Zeb22, ZCWY20, ZX23, AG21, AGJ<sup>+</sup>23, BND22, CDD22, CJZ25, DEdM24, DGHA25, DBdFdSR21, EGLK20, GRCT20, GHL<sup>+</sup>22, GP22, JZW<sup>+</sup>22, JPJ<sup>+</sup>23, KWZ24, KYH24, LBRW22, LLH21a, LAD<sup>+</sup>21, LXY<sup>+</sup>21, LLZ<sup>+</sup>23, LLL24b, LLZ<sup>+</sup>22, LVMGF<sup>+</sup>23, LSS24, MD21, MVF20, MRN20, PSMRS<sup>+</sup>23, PPKK21, PWD22, RZH22, RZ23, RL21, STA20, SFKC22, SS21b, SWB<sup>+</sup>23, TÁFAB<sup>+</sup>24, WLL<sup>+</sup>24, WYT23, WS23, YSX<sup>+</sup>20, ZPL<sup>+</sup>24, ZHM21, dVAR<sup>+</sup>24]. **efficiently** [YZW21]. **EFIT** [BYWW23]. **EFT** [CFL<sup>+</sup>22]. **EIC** [AEG<sup>+</sup>25]. **eigenfunctions** [BV21]. **Eigenmode** [DNG<sup>+</sup>20]. **eigenmodes** [FBA<sup>+</sup>20]. **eigenproblems** [zYMK<sup>+</sup>21]. **eigensolver** [FKK<sup>+</sup>21, zYMK<sup>+</sup>21]. **eigensolvers** [AAMY23, FWL<sup>+</sup>24a]. **eigenspectrum** [LG21a]. **eigenvalue** [DNG<sup>+</sup>20, LLH<sup>+</sup>21b, LLL25, MG22, TÁFAB<sup>+</sup>24, WHSG24, ZJ23]. **eigenvalues** [BV21, IMB<sup>+</sup>22]. **Eilmer** [GDJG23]. **Einstein** [BKR22, KRG21, LB24, MBA21, RVM<sup>+</sup>21, SKDH24, SJCD25]. **ElasT** [LVB22]. **ELAStic** [FLK<sup>+</sup>20, KC21, BFD22, BDA<sup>+</sup>20, CT23, EL24, Jab22b, Jab24, LLS<sup>+</sup>21, LLZ<sup>+</sup>22, LEL<sup>+</sup>22, LLY<sup>+</sup>22, MD20a, NAZ<sup>+</sup>22, ONH<sup>+</sup>20, PB23, RZWW23, SJP21a, SLLA22, SCA<sup>+</sup>24, SLDF<sup>+</sup>21, YNV22, YNV23, ZZZ<sup>+</sup>20, NAZ<sup>+</sup>21]. **Elastic3rd** [LLS<sup>+</sup>21]. **elasticity** [GPM<sup>+</sup>21, WGGC22, XZLX20]. **ElasTool** [EL24, LEL<sup>+</sup>22]. **elastoplastic** [BR20b]. **ElecTra** [GLN23]. **electric** [AE23, MASFP25, WLCF21, YI22]. **Electrical** [HMM22]. **electrified** [Di 22]. **electro** [YC20]. **electro-magnetic** [YC20]. **electrochemical** [ZHM<sup>+</sup>24]. **electrode** [PK24]. **electrodes** [LLG<sup>+</sup>24]. **electrodynamics** [FH22, GPN20]. **electrolyzers** [ZHM<sup>+</sup>24]. **Electromagnetic** [LF25, BVV22, BKO20, DRZ<sup>+</sup>21, EES24, LOT<sup>+</sup>20, LKP21, NTO24, OGL<sup>+</sup>21, SWB<sup>+</sup>23, WAYL23, YP24, YR21, ZLS<sup>+</sup>22]. **electromagnetics** [WMM<sup>+</sup>24]. **electroMicroTransport** [GDK21]. **electromigrative** [GDK21]. **Electron** [ABGD<sup>+</sup>20, LACL24, Ada22, ASA<sup>+</sup>22, AJDS<sup>+</sup>21, BCF<sup>+</sup>24, COW24, CW22, DRM20, DFP<sup>+</sup>20, DVC<sup>+</sup>22, DGHA25, FMCB<sup>+</sup>20, FYM<sup>+</sup>22, GBR23, GSV23, HAM<sup>+</sup>20a, HMYH22, HM24a, HM24b, HA23, HEF21, Hor24, HBM<sup>+</sup>24, HLzY<sup>+</sup>20, Jab24, KKB<sup>+</sup>24, LKP24, LSS24, MMP<sup>+</sup>24, MFB23, MGC<sup>+</sup>23, MAMK21, MPH<sup>+</sup>24, MZD<sup>+</sup>20, Nie22a, PD24, Pos22, SFBG20, SLE<sup>+</sup>22, SLL22, SLZY21, SDL<sup>+</sup>21, SP23, ST23b, TCcN23, TGIM23, UAWW25, WLF<sup>+</sup>23, YZW22, ZGZ<sup>+</sup>25, ZPL<sup>+</sup>21]. **electron-atom** [Pos22]. **electron-impact** [FMCB<sup>+</sup>20]. **electron-ion** [ST23b]. **electron-nuclear** [UAWW25]. **electron-phonon** [DGHA25, MMP<sup>+</sup>24, ZPL<sup>+</sup>21]. **electron-positron** [HA23]. **electron/positron** [HBM<sup>+</sup>24]. **Electronic** [BLN<sup>+</sup>21, BSS<sup>+</sup>23, BGR23, CH25, DSQ23, DKRSR22, FASD20, GWPW21, GLN23, HY23, HTH<sup>+</sup>20, HLzY<sup>+</sup>20, JPJ<sup>+</sup>23, KSM<sup>+</sup>25, MBG<sup>+</sup>20, NVCS23, PAL<sup>+</sup>20, PPKK21, PTD20, RL21, TCSD24, YHY<sup>+</sup>21, zYCD<sup>+</sup>20, ZHM21]. **electronically** [CMJC21]. **electronically-derived** [CMJC21]. **electronics**



[SCA<sup>+</sup>24]. **electrons** [CXCZ23, DTC20, Dan24, Jab22b, Jab24, MBG<sup>+</sup>20, SJP21a, SLK23, ZYX21, ZYX22]. **electrophoretic** [KPR<sup>+</sup>24]. **electrophysiology** [VSM<sup>+</sup>22]. **electrostatic** [ATC<sup>+</sup>23, CGR21, CCW<sup>+</sup>25, KG21, LSW<sup>+</sup>20, YWX<sup>+</sup>23, ZYX21, ZYX22]. **electrostatics** [FAL20, FAL21, LYX22, SOH<sup>+</sup>23]. **Electroweak** [KM20, AJW<sup>+</sup>21, BMM21, KMS20b]. **Element** [Sha21, ZTV<sup>+</sup>24, ALB22, BM20, BCHE21, ČPF<sup>+</sup>24, DMS<sup>+</sup>22, EPM23, Flo24, GPM<sup>+</sup>21, IGL<sup>+</sup>24, JMOC21, KSDH23, KBB21, KM23, KD23, LLC<sup>+</sup>23, LHC20, MPS<sup>+</sup>24, MVF20, MDR<sup>+</sup>20, MCB<sup>+</sup>20, OCR<sup>+</sup>22, ONH<sup>+</sup>20, OKBM23, QCZ23, RSD20, SRT<sup>+</sup>20, SKDH24, SJCD25, SLC<sup>+</sup>22, SBB<sup>+</sup>24, TCD20, TTM22, WZZS21, WWZ<sup>+</sup>23, WLCY25, WXZH24, XDF20, XLG<sup>+</sup>23, YT23, YWM23, YJ24, ZZ21a, VB22a]. **element-based** [LLC<sup>+</sup>23]. **element/multipole** [YT23]. **Elementary** [PDD24]. **Elements** [GSL24, AIZ24, BGH22, CQS<sup>+</sup>24, DBV<sup>+</sup>24, LZ21, RZ23, TIG<sup>+</sup>24, TWW22]. **ellipses** [CTPS22]. **elliptic** [BSK<sup>+</sup>22, BDR<sup>+</sup>20, WW21]. **ELMAG** [BKO20]. **ELPA2** [zYMK<sup>+</sup>21]. **elsepa** [SJP21a]. **ELSI** [zYCD<sup>+</sup>20]. **Embedded** [AAG<sup>+</sup>24, TW21a]. **embedding** [AMK24, QJ21]. **EMcLAW** [MOV21]. **emerging** [DRB22]. **emission** [CWZ<sup>+</sup>24, CML<sup>+</sup>24]. **Empathes** [BFD22]. **empirical** [CWG<sup>+</sup>21, KVSC21, MMCC<sup>+</sup>22, NA20, Pot24]. **employing** [VMRFC23]. **empowered** [MLZ<sup>+</sup>23]. **emulsions** [GUAD22, PLSB22]. **enable** [XQ21]. **enabled** [GSL24, YRNUV25]. **Enabling** [OBGA24, TDR<sup>+</sup>20]. **encapsulated** [Nie23]. **encoded** [ZPL<sup>+</sup>24]. **encoders** [TAGC22a]. **Encoding** [GPN20]. **end** [MFS<sup>+</sup>22]. **end-to-end** [MFS<sup>+</sup>22]. **ended** [YMcF23]. **ENDF** [HGT24]. **ENDF-formatted** [HGT24]. **ENDFtk** [HGT24]. **endpoint** [LP24]. **energetic** [JSS<sup>+</sup>24, LJQ<sup>+</sup>22]. **energetic-particle** [JSS<sup>+</sup>24]. **energetics** [TQGE23]. **Energies** [AJW<sup>+</sup>21, GTMB21, GBJ<sup>+</sup>21, LS24, Pos22]. **Energies-Updates** [AJW<sup>+</sup>21]. **energization** [WXX24]. **Energy** [BMR<sup>+</sup>23, BTK24, PMK<sup>+</sup>23, AGJ<sup>+</sup>23, ABB<sup>+</sup>22, BRAC23, BC21, BCCM<sup>+</sup>24, CZWE23, CGV<sup>+</sup>22, Dan24, DGHA25, EES24, FXZT21, FTG23, Gar21, GZW20, GGCW24, GFD<sup>+</sup>24, HMYH22, HTL<sup>+</sup>22, HSO<sup>+</sup>22, IJVJ21, IUJ21, JS22, KSF<sup>+</sup>22, Kut20, LM21a, LW24, MD20a, Man24, MBTB21, MSHP02, MSHP20, NRK<sup>+</sup>21, NA20, NYN<sup>+</sup>21, NBB<sup>+</sup>21, PRR23, Pöt20, RG21, RC23, RV20, RV21, SK24, SRC21, SE24, SLL22, SMC<sup>+</sup>22, SVJ<sup>+</sup>24, Sij23, TV24, TLC<sup>+</sup>21, TS25, TVSM25, UO20, VZ20, VvBTH20, WZZ<sup>+</sup>23, Xav22, XZLX20, YWTK23, Yan24a, ZLK25, ZWC<sup>+</sup>20, ZCWY20, ZGSW24, ZDLS21]. **energy-angle** [SMC<sup>+</sup>22]. **Energy-conserving** [PMK<sup>+</sup>23, BC21]. **energy-momentum** [Pöt20]. **energy-preserving** [GGCW24, LW24]. **energy-stable** [KSF<sup>+</sup>22, YWTK23, Yan24a]. **energy-strain** [XZLX20]. **Engine** [GBJ<sup>+</sup>21, GLW<sup>+</sup>23, RCB<sup>+</sup>20, STS<sup>+</sup>25, ZLWBH25, ZTV<sup>+</sup>24]. **Engineering** [ANU21, DB24, FYW23]. **enhance** [MPS<sup>+</sup>24]. **Enhanced** [JG24, BBC<sup>+</sup>24, CWG<sup>+</sup>21, DB24, MLT<sup>+</sup>21, RdPS24, SBB<sup>+</sup>24, XLKX21, ZLK25]. **enhancement** [TTM22]. **Enhancing** [KHKL24, MCB<sup>+</sup>20, SLL22]. **Ensemble** [Mil25, SHRK22, TNL<sup>+</sup>22]. **ensembles**



[GLB<sup>+</sup>21, VCHH23, WGS<sup>+</sup>22]. **Ensign** [CE22]. **Enskog** [JHH<sup>+</sup>25].  
**Enskog-like** [JHH<sup>+</sup>25]. **entangled** [CL22a, ECS23]. **Entanglement**  
 [HPP23]. **entanglements** [KDHL23]. **entropy** [LLL<sup>+</sup>24a, MMCC<sup>+</sup>22].  
**entry** [GSL<sup>+</sup>23]. **enumerator** [LCB25]. **environment**  
 [GAA<sup>+</sup>20, OIA<sup>+</sup>20, OSE<sup>+</sup>20, Scr22a]. **environments** [ART<sup>+</sup>20, GRP<sup>+</sup>25].  
**ePDFpy** [KKB<sup>+</sup>24]. **EPI** [MMP<sup>+</sup>24]. **epidemic** [CF21]. **EPW** [LACL24].  
**eQE** [MSG<sup>+</sup>21]. **EQMO** [ZHM21]. **equal** [Efr23]. **Equation**  
 [GMPG<sup>+</sup>21, LS21b, LY22, OSE<sup>+</sup>20, RS20, ZHM21, AIZ23, ATC<sup>+</sup>23, BB24b,  
 BAB<sup>+</sup>20, Bul21, BBA<sup>+</sup>20, CS22a, CCW24, CKT21, CCW20, CWJ21,  
 DSSW22, ENK24, FN21, GSLS20, GLPG<sup>+</sup>23, GMZ<sup>+</sup>20, HXS20, HWZ24,  
 KMR22, KPL<sup>+</sup>21, KFPV21, LZ21, LHC20, LFL<sup>+</sup>24, LY24b, LSS24, OEI<sup>+</sup>22,  
 OKBM23, PPR<sup>+</sup>21, RPPG25, SVSC20, SGS23, SP20, SLZ<sup>+</sup>24, SCL22,  
 TTM22, TS23, WHB21, WXY20, WZC21, WWS<sup>+</sup>25, WKR23, XSL<sup>+</sup>22,  
 YWK<sup>+</sup>24, YSMB23, YNMR24, YJ24, ZLK25, ZAW<sup>+</sup>21, dVAR<sup>+</sup>24, ZXT22,  
 ZXT23]. **equations**  
 [AWV24, ASU<sup>+</sup>21, AGH21, BV21, BKR22, BCGT24, BDF<sup>+</sup>25, CR20,  
 Car25, CEKR24, CLEPF23, CLEP24, DGM20, DH22, DEdM24, GTA21,  
 GHL<sup>+</sup>22, GGCW24, HPY21, HWL<sup>+</sup>23, HCP20, JM24, JZW<sup>+</sup>22, JRS<sup>+</sup>21,  
 KRG21, KBB21, KSF<sup>+</sup>22, KMD<sup>+</sup>21, Koz23, KRE22, LWhK<sup>+</sup>20, LGDF20,  
 LW24, MSN<sup>+</sup>22, MOV21, PMK<sup>+</sup>23, PLL24, PSW23, Pen24, PG23, PW25,  
 Pöt20, QWZ<sup>+</sup>21, RJ21, TSL21, VFS23, WGG20, WYZZ23, XDF20, XPF<sup>+</sup>24,  
 YZW21, YXX<sup>+</sup>21, YKY<sup>+</sup>22, ZCP<sup>+</sup>22, ZLY24, ZS24, ZX23, ZZZ<sup>+</sup>20].  
**equilibria** [BJS<sup>+</sup>23]. **Equilibrium**  
 [MMP20, BYWW23, Dau23, DVC<sup>+</sup>22, HPAW21, LBM<sup>+</sup>23, LZ21, MES<sup>+</sup>24,  
 MEC<sup>+</sup>24, SYFT23, WJB21, WWB22, WHB21, YKYK23, ZCS<sup>+</sup>24, SGM<sup>+</sup>20].  
**ERCS08** [Hor24]. **ERCS24** [Hor24]. **ERNIE** [AG23]. **erosion** [YGSW21].  
**Erratum** [FAL21, SJY20, YNV23]. **error**  
 [Gag25, JKKN23, MZ22, MNS<sup>+</sup>24, SSH<sup>+</sup>23, THH21]. **errors** [RVRT22].  
**ERSN** [LEE<sup>+</sup>24]. **ERSN-OpenMC-Py** [LEE<sup>+</sup>24]. **ERYA** [MMC<sup>+</sup>22].  
**ERYA-Bulk** [MMC<sup>+</sup>22]. **ERYA-Profiling** [MMC<sup>+</sup>22]. **escape** [NA20].  
**ESPRESSO** [HHT<sup>+</sup>24, MONW21]. **Essentially** [MGX24]. **estimate**  
 [EBBB22]. **estimating** [GO23, GBJ<sup>+</sup>21, GG24, SKC21, WV22, YMCF23].  
**Estimation**  
 [VEHCM21, AM21b, KWB<sup>+</sup>25, LMWW24b, LWV20, MPN<sup>+</sup>21, NG21].  
**Euler** [GWA<sup>+</sup>23, HWL<sup>+</sup>23, YXX<sup>+</sup>21]. **Eulerian** [LMHL20, MSM24,  
 ODR<sup>+</sup>22, SRT<sup>+</sup>25, Sij23, TKC<sup>+</sup>21, THH21, WWM<sup>+</sup>22, WHH25, ZWL25].  
**EUTERPE** [KBH<sup>+</sup>24]. **evaluate** [FLW<sup>+</sup>23]. **Evaluating**  
 [MYKC23, NVC20, BA24, BTW20, Bzo21]. **Evaluation** [ABD<sup>+</sup>23, GOST23,  
 PSK<sup>+</sup>24, ABF<sup>+</sup>23a, Arn20, ATRD21, BP25, BC20, HAA<sup>+</sup>20, NSU20,  
 PBC<sup>+</sup>24, SRML20, SSV22, STS<sup>+</sup>25, TR22, WW21, XZLX20]. **evaporation**  
 [AYB24, HyLF23, OSE<sup>+</sup>20]. **event**  
 [AAA<sup>+</sup>21, AZH<sup>+</sup>24, AEG<sup>+</sup>25, ACD<sup>+</sup>22, AG23, BIK<sup>+</sup>21, BKG<sup>+</sup>23, For22,  
 GPD<sup>+</sup>22, HQF<sup>+</sup>20, JWW<sup>+</sup>23, LTMK21, PNL<sup>+</sup>24, SRC21, SJP<sup>+</sup>21b,  
 SCA<sup>+</sup>24, Sjö20, SBP20, VEHCM21, YLK21, ZDLS21]. **event-chain**



[HQF<sup>+</sup>20, LTMK21]. **event-driven** [SBP20]. **event-time-frame** [GPD<sup>+</sup>22].  
**events** [BFG24, DRSZ23, Hor23b, SKC21]. **EvGen** [BKG<sup>+</sup>23]. **Evolution**  
 [OSLC21, ZDG<sup>+</sup>21, BCGT24, GF23, HFP21, MZ22, VGGP<sup>+</sup>21, ZZ21b].  
**Evolutionary** [DR21, KMG<sup>+</sup>20, HTS<sup>+</sup>21, HZ24, WBK<sup>+</sup>24]. **evolutions**  
 [CY24]. **evolving** [LM22, OS24]. **EW** [SY20]. **ewN2HDECAY** [KM20].  
**Exact** [GF23, Pag24a, ACS<sup>+</sup>22, Bak23, BR20a, BBA<sup>+</sup>20, GQ22, KW23,  
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**FACT** [RPG<sup>+</sup>20]. **factor** [CCK23, GDB10, SZNW23]. **factorised** [HHT22].  
**factorization** [CCC20]. **factors** [MKPW21, MKPW22]. **false** [Sat21].  
**families** [RPGG25]. **far** [DVC<sup>+</sup>22, WJB21, WHB21]. **far-from-equilibrium**  
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 [WJB21]. **FaSE** [TW21a]. **FaSE-GLoBES** [TW21a]. **Fast**  
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 FBA<sup>+</sup>20, GJ24, GJJN23, GB20, KKLZ23a, KIK20, KT23, KYH24, MSH22,  
 OCE<sup>+</sup>23, STA20, SSD<sup>+</sup>22, TCD20, TTM22, TPK<sup>+</sup>21, TLC<sup>+</sup>21, TBAR21,  
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**FELINE** [SLC<sup>+</sup>22]. **FEM** [EVMP20, KMRB24, XLG<sup>+</sup>23]. **FEMPAR**  
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**ferromagnetic** [LL23]. **ferromagnetic/non** [LL23].  
**ferromagnetic/non-magnetic** [LL23]. **FerroX** [KNJ<sup>+</sup>23]. **few** [WLL22].  
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 [WWZ<sup>+</sup>23]. **Fine-tuning** [Cel24]. **Fingerprinting** [SLL<sup>+</sup>21]. **Finite**  
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GCWZ20, GMZ<sup>+</sup>20, IYP<sup>+</sup>25, IGL<sup>+</sup>24, IJVJ21, JMOC21, KBB21, KLMU21, KM23, KFC<sup>+</sup>20, KBSH20, LLC<sup>+</sup>23, MVF20, MSM24, MDR<sup>+</sup>20, OCR<sup>+</sup>22, OKBM23, PP24, PGYF21, RSD20, SRT<sup>+</sup>20, SKDH24, SJCD25, SP20, SKC21, SBB<sup>+</sup>24, VGGP<sup>+</sup>21, WZZS21, WWZ<sup>+</sup>23, WDMZ24, WLCY25, WH23, XDF20, XZLX20, XLKX21, XLG<sup>+</sup>23, YT23, YI22, YWM23, ZJC<sup>+</sup>25, Zho23, ZLS<sup>+</sup>22, dSOZ22, PLSB22, VB22a]. **finite-difference** [Cos22, FLS25, SP20]. **finite-element** [DMS<sup>+</sup>22, IGL<sup>+</sup>24, MDR<sup>+</sup>20, RSD20, SRT<sup>+</sup>20, SJCD25]. **finite-order** [ZLS<sup>+</sup>22]. **FINite-size** [PLSB22]. **finite-sized** [Che23]. **finite-temperature** [GJA21, IYP<sup>+</sup>25]. **finite-time** [SKC21, XLKX21]. **finite-volume** [ADF<sup>+</sup>22, Dau23, FZD<sup>+</sup>24, VGGP<sup>+</sup>21]. **FiniteFieldSolve** [Man24]. **FIPI** [GB20]. **FIRE** [PGS<sup>+</sup>24, SZ24b]. **FIRE6** [SC20]. **FireFly** [KL20, KKL21]. **First** [Dan24, Och23a, Och23b, YI22, AM21a, BCTS22, BDF<sup>+</sup>25, DEdM24, KvdW20, KD23, LLS<sup>+</sup>21, LLZ<sup>+</sup>22, MBTB21, MPN<sup>+</sup>21, PB23, SDL<sup>+</sup>21, TAE<sup>+</sup>21, XLX<sup>+</sup>24, YJLW21]. **first-** [KD23]. **First-principles** [Dan24, Och23a, Och23b, YI22, AM21a, BCTS22, KvdW20, LLS<sup>+</sup>21, LLZ<sup>+</sup>22, MPN<sup>+</sup>21, PB23, SDL<sup>+</sup>21, YJLW21]. **Fisher** [RPGG25]. **Fission** [TSJ<sup>+</sup>21, NRKA22]. **Fit** [RV21]. **FITEVT** [Hor23b]. **fits** [BS23]. **fitting** [ADdM20, BDGS21, CAC<sup>+</sup>22, KHKL24, RV20, RV21]. **five** [Mil25, SMGK21]. **five-particle** [SMGK21]. **fix** [DACA<sup>+</sup>22]. **Fixed** [MBCC23, Ano20c, BCD<sup>+</sup>21, KK16, OBC<sup>+</sup>24, VB22b]. **fixed-point** [Ano20c, KK16]. **FLAME** [ART<sup>+</sup>20]. **flames** [CEC<sup>+</sup>24]. **flat** [CQS<sup>+</sup>24, SJ21]. **flavor** [KKS24]. **Flavour** [TW21a]. **FLEKS** [CTZW23]. **flexible** [ABK<sup>+</sup>22, CTZW23, MSM24, MDP22, SXYD24, TAB<sup>+</sup>22, WKBW21, WOP<sup>+</sup>20, WS23, YTC<sup>+</sup>20, YMC23]. **flexible-structure** [MSM24]. **FlexibleDecay** [ABH<sup>+</sup>23]. **FlexibleSUSY** [KKS24]. **flight** [WBF<sup>+</sup>24]. **floating** [SSH<sup>+</sup>23]. **flow** [AGH21, BSC<sup>+</sup>21, CJZ21, CL22a, CNS22, FRN<sup>+</sup>23, GDJG23, GZW20, HNOW25, KWZ24, KBSL22, KT23, KRE22, KBSH20, LIG<sup>+</sup>24, LM23, MA24, MLZ<sup>+</sup>23, MZL<sup>+</sup>24, NJSY22, OSK<sup>+</sup>21, QCZ23, RLW<sup>+</sup>24, SSPF24, SFS22, SW25, Tan24, TPK<sup>+</sup>21, TGS<sup>+</sup>20, WA21, XBL<sup>+</sup>20, XZYS25, YCC22, Yan21b, YYY22, YCCW23, YKK23b, YZ20b, ZMC23, ZHZG23]. **flows** [AHP21, BBV<sup>+</sup>22, Bak23, BL21, BMSP21, BBA23, BBA25, BKS24a, CAWK22, CS22a, Cos22, CESD<sup>+</sup>23, Dau23, DAC<sup>+</sup>23, DB24, DS22, DBV<sup>+</sup>24, FA20b, FJ22, FTZ<sup>+</sup>23, FMBD22, GWA<sup>+</sup>23, GB22, GP22, HRG<sup>+</sup>22, HJGL22, KPJ24, KFHR24, Kul20, KKB<sup>+</sup>25, LMHL20, LJH<sup>+</sup>23, LMQ<sup>+</sup>23, LHG24, MEC<sup>+</sup>24, MD21, OCC23, RCX24, RCW<sup>+</sup>20, SRS<sup>+</sup>25, SPLD20, SXYD24, SFC20, TO21, VPPQ21, WT22, WICA22, YWTK23, ZYML24]. **fluctuation** [CT23, GHKW22]. **fluctuations** [RPG<sup>+</sup>20]. **Fluid** [AMA<sup>+</sup>20, OLNG21, AHP21, AFB<sup>+</sup>24a, AGH21, BB24a, BBA23, CJZ21, CFW<sup>+</sup>23, DIK<sup>+</sup>23, DACA<sup>+</sup>22, DH20, EPM23, EMB<sup>+</sup>25, FA20a, FA20b, FASM24, GGH<sup>+</sup>25, GB20, HEF21, JYL<sup>+</sup>23, JMOC21, KKPC23, KP23, KM23, LBS<sup>+</sup>23, LY24a, LZZ<sup>+</sup>25, LSF23, LHG<sup>+</sup>20, LH22, LH24, LJS21, MBH21, MEH21, MPH<sup>+</sup>24, MSM24, NJSY22, DARJ23, PG23, SFC20,



STS<sup>+</sup>25, eSdSBST21, VSM<sup>+</sup>22, WICA22, WXZH24, WNS<sup>+</sup>21, WSK<sup>+</sup>22, WYT23, YGZG25, YSX<sup>+</sup>20, ZSqXY21]. **fluid-kinetic** [HEF21]. **fluid-structure** [LBS<sup>+</sup>23, YSX<sup>+</sup>20]. **fluid-structure-electrophysiology** [VSM<sup>+</sup>22]. **fluid-structure-interaction** [JMOC21]. **fluid-surfactant** [WYT23]. **fluids** [FBMD20, KSDH23, LBM<sup>+</sup>23, MES<sup>+</sup>24, PIFPA<sup>+</sup>25, BBA23, BBA25]. **FLUKA** [DVB<sup>+</sup>25b, DVB<sup>+</sup>25a, SCA<sup>+</sup>24]. **FLUNED** [DARJ23]. **fluorescence** [NI22]. **FluTAS** [CESD<sup>+</sup>23]. **Flux** [DBV<sup>+</sup>24, AWW22, AWW24, CS22a, MBTB21, MSU<sup>+</sup>21, RCW<sup>+</sup>20, SKS24, TWW22, VÁFG<sup>+</sup>22, VLS22, WH23, BBV<sup>+</sup>22]. **flux-coordinate** [MSU<sup>+</sup>21]. **fly** [BDC<sup>+</sup>25, BMREC21]. **fmas** [MD22]. **foaming** [ASC<sup>+</sup>21]. **foci** [CMS22]. **Fock** [CLS<sup>+</sup>22a, MSN<sup>+</sup>22, RSM21, AYI<sup>+</sup>24, WGG20, Zeb22]. **focused** [CMS22, SKEZ24a]. **Fokker** [TCSA21, TKC<sup>+</sup>21, ZLL<sup>+</sup>24, DTC20, KSJ<sup>+</sup>22, KPJ24]. **folded** [Kar23a]. **folding** [GCK21, ZJS<sup>+</sup>20]. **following** [WA21]. **FOOT** [DVB<sup>+</sup>25b, DVB<sup>+</sup>25a]. **force** [BGW<sup>+</sup>22, BB21, EGKH24, HGS20, LCL<sup>+</sup>23, LM20, LCB25, MYKC23, XSM22, YKSH20, ZKZ<sup>+</sup>24, EGKH24]. **Force-chain** [EGKH24]. **force-chains** [EGKH24]. **force-field** [LCB25]. **forced** [BDdM20]. **forcefields** [KMG<sup>+</sup>20]. **Forcer** [RUV20]. **forces** [CMJC21, DACA<sup>+</sup>22, FDPT23, KT23, MASFP25, NVC20, WT22, YI22, ZTV<sup>+</sup>24]. **forcing** [JRG21, ZPZH20, Zha20]. **Forecasting** [CLS22b, YKJ<sup>+</sup>24]. **form** [HKY<sup>+</sup>21, KSJ<sup>+</sup>22, LHC20, RUV20]. **formalism** [BJL<sup>+</sup>24, CT23, GdPSH25, Jab22a, SP23, ZCS<sup>+</sup>24]. **Formalization** [CHA21]. **format** [GPD<sup>+</sup>22]. **formation** [AMP<sup>+</sup>21, LLG<sup>+</sup>24, JLW24, KLD<sup>+</sup>21, RDZ<sup>+</sup>20]. **formatted** [HGT24]. **formed** [MRG22]. **formula** [CH25, SA23, WLCF21]. **formulation** [ALB22, AGH21, TWR21]. **formulations** [PBC<sup>+</sup>24, VTB<sup>+</sup>21]. **Förster** [BMR<sup>+</sup>23]. **Fortnet** [vdHKB<sup>+</sup>23]. **FORTTRAN** [BKRG22, Hor23b, KRG21, RPG<sup>+</sup>20, NSU20, XHY<sup>+</sup>24, YSMBA23]. **FORTRESS** [BKRG22, KRG21]. **forward** [BCT20, CMLA25, MD22, SL22, ZJC<sup>+</sup>25]. **FOS** [CPG<sup>+</sup>25]. **four** [DDM20, HYL<sup>+</sup>22, RUV20]. **four-fermion** [DDM20]. **four-loop** [RUV20]. **four-phonon** [HYL<sup>+</sup>22]. **Fourier** [AL24, ALB22, CCW20, FBMD20, FMBD22, KPST21, KL23b, LAD<sup>+</sup>21, LWZD25, SBB<sup>+</sup>24, YW21, YRNUV25, ZYXC24]. **Fourier-enhanced** [SBB<sup>+</sup>24]. **FourPhonon** [HYL<sup>+</sup>22]. **Fourth** [PG23, KBB21, PB23]. **Fourth-order** [PG23, KBB21, PB23]. **FPGA** [KMN21, KHR<sup>+</sup>23, KK20]. **FPGA-based** [KHR<sup>+</sup>23]. **FPGAs** [WZK<sup>+</sup>24]. **Fractal** [GSM<sup>+</sup>22, Gro22, GG24, dMMLOS20, GOS<sup>+</sup>22, GG24]. **fraction** [CFSV25, CCL<sup>+</sup>22, GHL23]. **Fractional** [JG24, CZS<sup>+</sup>21, CLEPF22, CLEP24, GMZ<sup>+</sup>20, HPY21, JLL<sup>+</sup>24, MD20b]. **fractional-step** [HPY21]. **fractionation** [LWhK<sup>+</sup>20]. **fractioning** [BBH<sup>+</sup>24]. **fractions** [HvM22, TGBM22]. **fracture** [ZL20]. **fragment** [PWC24, TSJ<sup>+</sup>21]. **fragmentation** [KL22, Roh22]. **frame** [GPD<sup>+</sup>22, PP21].



**framework** [ADC<sup>+</sup>21, ASU<sup>+</sup>21, ACD<sup>+</sup>22, ABB<sup>+</sup>24b, ABF<sup>+</sup>23b, BMREC21, BC20, BN20, BN23, CE22, CGG21, CK23, Dau23, FZD<sup>+</sup>24, FSM24, GAGO21, GOCSS<sup>+</sup>23, GKT<sup>+</sup>24, HAM<sup>+</sup>20a, HWL<sup>+</sup>23, HEF21, JYL<sup>+</sup>23, JSS<sup>+</sup>24, JKKN23, KWK<sup>+</sup>21, KTF22, KSF<sup>+</sup>22, KVSC21, KSC<sup>+</sup>23, KGT22, KNJ<sup>+</sup>23, LBS<sup>+</sup>23, LGZ<sup>+</sup>25, LYZL24, MEC<sup>+</sup>24, MPS<sup>+</sup>24, MW21, MZL<sup>+</sup>24, MPH<sup>+</sup>24, MVF20, MYM<sup>+</sup>22, NL23a, NT24, RSC<sup>+</sup>22, RGS<sup>+</sup>21, STRF<sup>+</sup>20, UMA21, WXW<sup>+</sup>21, WICA22, WHH25, WAK22, WAET22, XFH<sup>+</sup>22, YGZG25, YHY<sup>+</sup>21, ZGZ<sup>+</sup>25, ZDW<sup>+</sup>24, ZSqXY21, ZHZG23, OBK<sup>+</sup>20].

**frameworks** [DAA<sup>+</sup>24, VÁFG<sup>+</sup>22]. **FRAPCON** [YLK<sup>+</sup>20]. **Free** [VvBTH20, AMP<sup>+</sup>21, BRAC23, BMR<sup>+</sup>23, BW23, DZF25, Din25, ELSV24, GM20, HPAW21, IHWG24, JP24, LGDF20, LS24, LMQ<sup>+</sup>23, LMMP23, MS24, MM23, MHK24b, NBC<sup>+</sup>24, OKBM23, RG21, SE24, UO20, WZZ<sup>+</sup>23, WA21, YZW21, ZMN<sup>+</sup>24, ZYML24, Zho23, ZHZG23]. **free-boundary** [HPAW21]. **free-particle** [DZF25, Din25]. **free-surface** [LMQ<sup>+</sup>23, WA21, ZYML24]. **frequency** [DNG<sup>+</sup>20, KM23, KD23, MMP20, YP24]. **frequency-dispersive** [DNG<sup>+</sup>20]. **frequency-domain** [YP24]. **FRET** [BMR<sup>+</sup>23]. **FRET-Calc** [BMR<sup>+</sup>23]. **freud** [RDH<sup>+</sup>20]. **friendly** [AMP<sup>+</sup>21, BMR<sup>+</sup>24b, HGS20, MMCC<sup>+</sup>22, WXL<sup>+</sup>21]. **fringe** [MRG22]. **frontal** [KMG<sup>+</sup>20]. **frontier** [LNP<sup>+</sup>24]. **FSEI** [VSM<sup>+</sup>22]. **FSEI-GPU** [VSM<sup>+</sup>22]. **ftint** [HNOW25]. **fuel** [KJL<sup>+</sup>23, NUK<sup>+</sup>22, YLK<sup>+</sup>20, ZHM<sup>+</sup>24]. **fuels** [LLL24b]. **Fugaku** [IKM<sup>+</sup>23]. **Full** [GLN23, PMS<sup>+</sup>20a, DRZ<sup>+</sup>21, EGLK20, FBA<sup>+</sup>20, FYM<sup>+</sup>22, Ken24, LKP24, MG22, MSU<sup>+</sup>21, SDXY23, SBB<sup>+</sup>24, Tan23, WMA<sup>+</sup>22, YHH<sup>+</sup>20, YCC22, YML<sup>+</sup>24]. **full-**[Ken24, MSU<sup>+</sup>21, SBB<sup>+</sup>24]. **Full-band** [GLN23]. **full-field** [EGLK20, WMA<sup>+</sup>22, YML<sup>+</sup>24]. **full-orbit** [FBA<sup>+</sup>20, YHH<sup>+</sup>20]. **full-potential** [Tan23]. **full-scale** [YCC22]. **Fully** [BCD<sup>+</sup>21, DGHA25, KSM<sup>+</sup>25, MAMK21, MSM24, BBA23, CPG<sup>+</sup>25, DTC20, IYP<sup>+</sup>25, KSF<sup>+</sup>22, LHC20, OBC<sup>+</sup>24, Yan21b, YLH<sup>+</sup>20]. **fully-coupled** [KSF<sup>+</sup>22]. **fully-decoupled** [Yan21b]. **fully-differentiable** [BBA23]. **FUMILIM** [SAS20, SAN24]. **function** [AUEO24, AJDS<sup>+</sup>21, ABF<sup>+</sup>23a, Ano20c, BND22, BDdM20, Bul21, CZ21, CDT22, CLEP24, GCWZ20, GBH20, HY23, HFP21, Jab20, KKB<sup>+</sup>24, LWS<sup>+</sup>23, LM22, PPKK21, SWZ23, ZCS<sup>+</sup>24]. **Functional** [HCP20, MVK<sup>+</sup>24, WBK<sup>+</sup>24, BPMS25, BW23, CZWE23, COP<sup>+</sup>24, DMS<sup>+</sup>22, FASD20, FWL<sup>+</sup>24a, GM20, GBR23, GC25, GBD<sup>+</sup>22, HZ24, IPSW24, IJVJ21, LYC20, MHK24b, MDR<sup>+</sup>20, PSW23, PM21, SXW<sup>+</sup>20, SLZY21, SHW<sup>+</sup>21, TMC22, VCF22, YT23]. **Functional-style** [WBK<sup>+</sup>24]. **functionalities** [WMA<sup>+</sup>22]. **functionality** [BBC<sup>+</sup>24, BC22]. **functionalization** [AUO<sup>+</sup>22]. **functionals** [MSG<sup>+</sup>21]. **functions** [ABFP24, Bag22, BA24, BGH22, Ber24, Bzo21, CCMR21, CCK23, CMLA25, CGV<sup>+</sup>22, FHD25, GDB10, GST21, HLzY<sup>+</sup>20, HG22, IKM<sup>+</sup>24, KK16, KHKL24, KL20, KKL21, Kor23, LWZD25, LP24, MSHP02, MSHP20, PSK<sup>+</sup>24, Pot24, RBV<sup>+</sup>22, SK24, SRS<sup>+</sup>25, SLE<sup>+</sup>22, SLZG20, UZB22, Xav22, ZD25]. **fundamentally** [SWZ23]. **fusion** [AYB24, DFP<sup>+</sup>20, GBS<sup>+</sup>20, HSB<sup>+</sup>24, LLH21a, NUK<sup>+</sup>22, NSY<sup>+</sup>23, PCB<sup>+</sup>25, RdSH<sup>+</sup>24, SMA24, TKC<sup>+</sup>21,



TBAR21, TWW22, Xie23, YGSW21, ZDSS23, ZLL<sup>+</sup>24]. **fusion-evaporation** [AYB24]. **future** [Sjö20]. **fuzzy** [GG24]. **FVM** [WHH25].

**G0W0** [RDV<sup>+</sup>20]. **gains** [TPCT22]. **galactic** [GB24, Mau20]. **GALÆXI** [KKB<sup>+</sup>25]. **Galerkin** [CJ21, DGM20, FRN<sup>+</sup>23, FMHH24, GMZ<sup>+</sup>20, HWL<sup>+</sup>23, HWZ24, IPSW24, JKSY22, KSJ<sup>+</sup>22, KMD<sup>+</sup>21, KKB<sup>+</sup>25, LS22, MGX24, QWZ<sup>+</sup>21, SVSC20, SMA24, SS21b, SDBS24, YXX<sup>+</sup>21]. **gamma** [CB25, Fis24, GST21]. **gamma-ray** [CB25]. **GammaCHI** [GST21]. **Gamow** [MAJ20]. **Garfield** [DBM<sup>+</sup>24]. **Gas** [KWZ24, FJ22, FTZ<sup>+</sup>23, KPJ24, LF24, LSW<sup>+</sup>20, LHG24, MEC<sup>+</sup>24, MGC<sup>+</sup>23, MZL<sup>+</sup>24, RCB21, WZZ<sup>+</sup>23, WLX24, YZ20b, ZLLM23, ZWP<sup>+</sup>22]. **gas-kinetic** [WLX24]. **gaseous** [ABGD<sup>+</sup>20, SWTC23]. **gases** [WLX24, ZWZ<sup>+</sup>22]. **gauge** [FFTV23, GHK20]. **gauge-Higgs** [GHK20]. **Gaunt** [ÖAÖ24]. **Gauss'** [OCR<sup>+</sup>22]. **Gaussian** [RBV<sup>+</sup>22, BTG22, CCW24, HG22, PPK22, SKEZ24a]. **GDML** [ACKB23]. **Geant** [EMM<sup>+</sup>23]. **GEANT4** [LGK<sup>+</sup>22, MK22, BCD<sup>+</sup>21, KTF22, Kan23, Kan24, KTKK25, OBC<sup>+</sup>24]. **Gebremariam** [CCK23]. **Geliosphere** [SBG23]. **GEM** [AFB<sup>+</sup>24b]. **GEN** [ZWC<sup>+</sup>20]. **Genarris** [TRB<sup>+</sup>20a]. **GenASiS** [BC22, CB23]. **gene** [ENK24, CJD<sup>+</sup>20, MSU<sup>+</sup>21, WMS<sup>+</sup>25]. **GENE-X** [MSU<sup>+</sup>21]. **GenEOS** [ENK24]. **General** [VFS23, XZLX20, ASPDL<sup>+</sup>21, ABF<sup>+</sup>23b, BFD22, BAB<sup>+</sup>20, CFPS23, DCRF23, DC22, GK21, HT20, HTK24, Koł22, LQ21, PWD22, RBV<sup>+</sup>22, RV20, RV21, RVRT22, RMFB23, Wor20, XDF20, ZLWBH25, ZWC22, CLEPF22, DBdFdSR21]. **general-purpose** [ASPDL<sup>+</sup>21, ABF<sup>+</sup>23b, DCRF23, HT20, ZWC22]. **Generalisation** [BCGT24]. **generalised** [LP24, NSU20, TGS<sup>+</sup>20]. **Generalization** [LQGL21, BDdM20]. **Generalized** [BL25, GCWZ20, HvM22, KAG24, MCP23, RZH22, TCY23, GOST23, JG24, YWX<sup>+</sup>23, ZGSW24, SOH<sup>+</sup>23]. **generate** [KWK<sup>+</sup>21, MMM23]. **Generating** [May21, TIG<sup>+</sup>24, CB20, FHD25, WBM<sup>+</sup>24]. **Generation** [AYB24, fWL24b, ATRD21, CKGW22, FPSZ21, GKT<sup>+</sup>24, Ilt21, KKY24, LJS21, NL23b, Nog21a, PMSHG23, SKEZ24a, WBF<sup>+</sup>24, WLL22, WGS<sup>+</sup>22, YLLW24, ZWC<sup>+</sup>20, ZLV23]. **generator** [AAA<sup>+</sup>21, AZH<sup>+</sup>24, Ada22, AEG<sup>+</sup>25, AG23, BCT20, BKG<sup>+</sup>23, DPR<sup>+</sup>20, DRR<sup>+</sup>24, For22, GUW<sup>+</sup>22, JWW<sup>+</sup>23, Koł23, KMS20a, LHZ20, SMK25, Sjö20, TRB<sup>+</sup>20a]. **generators** [BIK<sup>+</sup>21, LAC21, LWS<sup>+</sup>23, LJC<sup>+</sup>25]. **generic** [For22, HyLF23, ZDLS21]. **genetic** [CZX<sup>+</sup>21, LFZ20, YNMR24, ZZ21b]. **GenEvaPa** [HyLF23]. **GENIE** [AAG<sup>+</sup>20]. **GENIE-based** [AAG<sup>+</sup>20]. **Gennes** [SKDH24, SJCD25]. **geofluids** [ENK24]. **Geometric** [TS23, KAG24, LJC<sup>+</sup>25, LH22, LH24, PBC<sup>+</sup>24, WSK24, XQ21]. **geometrical** [PMS<sup>+</sup>20a]. **geometries** [LLG<sup>+</sup>24, COW24, CW22, HMR22, LHG<sup>+</sup>20, OBGA24, SN23, SFKC22, SBP20, WAN<sup>+</sup>22, WGS<sup>+</sup>22]. **geometrization** [CdBMM25]. **geometry** [ASPDL<sup>+</sup>21, CZS<sup>+</sup>21, JKSY22, KRC<sup>+</sup>20, KBH<sup>+</sup>24, LEE<sup>+</sup>21a, LOT<sup>+</sup>20,



MG22, MSH22, SDBS24, TRN<sup>+</sup>24, WZZS21, ZGF<sup>+</sup>24]. **geophysical** [SGY24]. **GeoTaichi** [SGY24]. **get** [SLZY21]. **GETaLM** [Ada22]. **GetDP** [DNG<sup>+</sup>20]. **GFCCLib** [PPKK21]. **GGA** [MSG<sup>+</sup>21]. **ghost** [JGJ20, SXYD24]. **GHW** [Ken25]. **Giant** [BBLB<sup>+</sup>25]. **Ginzburg** [Hor23a]. **GITR** [YGSW21]. **given** [GO23]. **gKdV** [HWZ24]. **GKZ** [ABBD23]. **glass** [JRG21]. **glasses** [BPMMP24, VvBTH20]. **Glauber** [SW23]. **GLE** [Gro23]. **Global** [FA21, LW24, PLT<sup>+</sup>23, ADdM20, KBH<sup>+</sup>24, LOT<sup>+</sup>20, LSS24, OGL<sup>+</sup>21, RV20, RV21, WMS<sup>+</sup>25, YGSW21]. **Globally** [KP23]. **GLoBES** [TW21a, TW21a]. **Godunov** [MOV21]. **goodness** [ADdM20]. **Gordon** [GGCW24, GMZ<sup>+</sup>20]. **Gordon-type** [GMZ<sup>+</sup>20]. **governed** [JM24]. **governing** [WYZZ23]. **GPEs** [JLL<sup>+</sup>24]. **gpGPU** [PNL<sup>+</sup>24]. **GPGPUs** [CGSO20]. **GPI-Space** [BBH<sup>+</sup>24]. **GPIC** [XHY<sup>+</sup>24]. **GPR** [RBV<sup>+</sup>22]. **GPSD** [KAG24]. **GPSD-3D** [KAG24]. **GPU** [AGH21, AUEO24, BL25, CCMR21, CCC20, CFLR24, CESD<sup>+</sup>23, DMS<sup>+</sup>22, DAC<sup>+</sup>23, DS22, DFG<sup>+</sup>23, DRZ<sup>+</sup>21, DFU20, DHE<sup>+</sup>24, EGLK20, EPM23, ECS23, GSL24, GC25, GB22, HPY21, HL21, HTL<sup>+</sup>22, HLzY<sup>+</sup>20, HG22, JS24, JMOC21, JDD<sup>+</sup>21, KKLZ23a, KWZ24, KL23b, KMR22, KT23, KNJ<sup>+</sup>23, LG23, LJQ<sup>+</sup>22, LHG24, LMHUR23, MWJL23, MTW<sup>+</sup>24, MVK<sup>+</sup>24, MBC<sup>+</sup>24, MHK24b, NT24, Nie20, Nie22a, NRG24, OCK<sup>+</sup>24, PIFPA<sup>+</sup>25, PSK<sup>+</sup>24, RLW<sup>+</sup>24, RCX24, RZH22, RBWD<sup>+</sup>24, RBWD<sup>+</sup>25, RCW<sup>+</sup>20, RAJ<sup>+</sup>24, SYFT23, SXYD24, SCL22, SBG23, SW25, TLC<sup>+</sup>21, TMH<sup>+</sup>23, VSM<sup>+</sup>22, WWM<sup>+</sup>22, WWJ<sup>+</sup>22, WVK21, XBL<sup>+</sup>20, XZYS25, XHY<sup>+</sup>24, XLG<sup>+</sup>23, YCCW23, Yan23, YKK<sup>+</sup>23a, YLLW24, YLK21, YRNUV25, zYMK<sup>+</sup>21, ZMC23, ZPZH20, ZCP<sup>+</sup>22, ZHI23, ZTV<sup>+</sup>24, ZPL<sup>+</sup>24]. **GPU-accelerated** [CFLR24, CESD<sup>+</sup>23, ECS23, JMOC21, KL23b, KMR22, KT23, KNJ<sup>+</sup>23, NT24, RLW<sup>+</sup>24, RZH22, RBWD<sup>+</sup>25, RCW<sup>+</sup>20, SCL22, WWM<sup>+</sup>22, WWJ<sup>+</sup>22, WVK21, XBL<sup>+</sup>20, XZYS25, XLG<sup>+</sup>23, YLK21, ZHI23]. **GPU-acceleration** [JS24, zYMK<sup>+</sup>21]. **GPU-based** [MTW<sup>+</sup>24]. **GPU-enabled** [GSL24, YRNUV25]. **GPU-offload** [SYFT23]. **GPU-parallelized** [KKLZ23a]. **GPUs** [CZ21, Ein20, HL21, LSS<sup>+</sup>25, MKHT20, NS20, ODR<sup>+</sup>22, RBFB20, WA21, WS20, WZPW20, ZW20, ZDSS23]. **Grad** [AIZ23, ELSV24, HSB<sup>+</sup>24, LZ21, SVSC20]. **Grad-Shafranov** [HSB<sup>+</sup>24, LZ21]. **Gradient** [RdPS24, AUEO24, CL22a, GZW20, HNOW25, KL23b, WHSG24]. **gradient-based** [KL23b]. **Gradient-enhanced** [RdPS24]. **gradient-flow** [HNOW25]. **grading** [TIG<sup>+</sup>24]. **grain** [XSM22]. **grained** [AHM<sup>+</sup>23, MBCC23, OCK<sup>+</sup>24, WWZ<sup>+</sup>23, ZKZ<sup>+</sup>24]. **graining** [NA20]. **GRAND** [BBLB<sup>+</sup>25]. **GRANDlib** [BBLB<sup>+</sup>25]. **granular** [EGKH24, RMR<sup>+</sup>22, TLC<sup>+</sup>21, YLLW24, ZZ21a]. **graph** [GF23, MMV<sup>+</sup>24, Nog21a, RSC<sup>+</sup>22, ZYML24, ZJC<sup>+</sup>25]. **graph-based** [MMV<sup>+</sup>24]. **graph-theoretical** [RSC<sup>+</sup>22]. **graphene** [CSBF23, SRK<sup>+</sup>24]. **GraphIAST** [DvHSdS22]. **graphic** [DC22, AGH21]. **graphical** [DvHSdS22, YR21]. **GRASP2018** [SLE<sup>+</sup>22]. **Gravitational** [CFPS23].



**gravity** [BLG24, MCMS24]. **gray** [FXQS21, JLW24]. **Green** [Ano20c, AUEO24, CDT22, GCWZ20, IYP<sup>+</sup>25, KK16, PPKK21, ZCS<sup>+</sup>24].  
**Green/WeakCoupling** [IYP<sup>+</sup>25]. **Greenwood** [Bul21]. **grid** [BC21, BW23, DFG<sup>+</sup>23, Flo24, GUW<sup>+</sup>22, MSM24, MSHP02, MSHP20, NDFL24, TCSA21].  
**grid-based** [MSM24]. **Gridap** [VB22a]. **grids** [CAC<sup>+</sup>22, DGM20, LH22, LH24, LJS21, PLF20, SRML20, SS21b, TS23, VB22b, YXX<sup>+</sup>21].  
**GROMACS** [RG21]. **Gross** [FJ22, BKRG22, CR20, CCW20, CWJ21, GTA21, KRG21, KMR22, KPL<sup>+</sup>21, YSMBA23]. **ground** [CR20, GO23, KW23]. **ground-state** [KW23]. **Group** [LS21b, NL23b, WV22, CFBRE24, CPL21, DH22, Fon21, IPSW24, LCZ<sup>+</sup>21, Sij23, WLL22, YS22]. **GroupMath** [Fon21]. **groups** [LZYY23]. **growth** [Dan24, WNS<sup>+</sup>21]. **gSeaGen** [AAG<sup>+</sup>20]. **GSGPEs** [CR20]. **GSGPEs-v1.1** [CR20]. **GSvit** [KGN<sup>+</sup>21]. **GUI** [KKB<sup>+</sup>24, Soz21]. **GUI4dft** [Soz21]. **guide** [JDS20, KSIL22, WAYL23]. **guided** [TVSM25, ZMN<sup>+</sup>24, ZHS<sup>+</sup>20].  
**guided-mode** [ZMN<sup>+</sup>24]. **guiding** [BKP22, BJS<sup>+</sup>23, MHP23, XQ21].  
**Gutzwiller** [PWD22]. **gVOF** [LH22]. **GW** [HM24b, HM24a, KSM<sup>+</sup>25, Kut20, SLZG20, LACL24]. **Gyrofluid** [Ken24, Ken25]. **Gyrokinetic** [OGL<sup>+</sup>21, YYC<sup>+</sup>23, CJD<sup>+</sup>20, JKSY22, KSJ<sup>+</sup>22, KBH<sup>+</sup>24, LOT<sup>+</sup>20, MSU<sup>+</sup>21, SBB<sup>+</sup>24, YC20, ZDSS23, ZYX21, ZYX22].  
**H** [AKK<sup>+</sup>24, AYI<sup>+</sup>24, KKM<sup>+</sup>20]. **H-COUP** [AKK<sup>+</sup>24, KKM<sup>+</sup>20]. **H-wave** [AYI<sup>+</sup>24]. **haCC** [CMS24]. **hacks** [Fis24]. **HADOKEN** [CW22]. **Hadron** [BDK<sup>+</sup>23, For22, SZY<sup>+</sup>22]. **hadronic** [KOT23]. **hadronically** [TSV<sup>+</sup>25].  
**half** [LH24, TMH<sup>+</sup>23]. **half-spaces** [LH24]. **Hall** [TWR21, VGGP<sup>+</sup>21].  
**Hall-MHD** [TWR21]. **Halo** [BHK<sup>+</sup>21, FBA<sup>+</sup>20]. **Hamiltonian** [GQ22, KF23, LHZ20, NKP20]. **Hamiltonians** [LQ21]. **handle** [KL23a].  
**Handling** [WYHW24]. **handyG** [NSU20]. **hard** [SWZ23]. **Hardware** [WZK<sup>+</sup>24, CCM20, EOR21, MRH<sup>+</sup>23, TAY<sup>+</sup>24, WWM<sup>+</sup>22].  
**hardware-accelerated** [MRH<sup>+</sup>23]. **Harmonic** [WHSK24, IYC<sup>+</sup>24, LSS24, MSN<sup>+</sup>22, PMSHG23, RZY<sup>+</sup>24, SKEZ24a, SMGK21, dMMLOS20].  
**harmonic-based** [IYC<sup>+</sup>24]. **harmonic-oscillator** [SMGK21].  
**harmonically** [MPSK21]. **harmonics** [DEV20, Efr20, Efr21a]. **Hartree** [MSN<sup>+</sup>22, RSM21, AYI<sup>+</sup>24, CLS<sup>+</sup>22a, WGG20]. **Hasegawa** [Ken25].  
**HDMR** [RBV<sup>+</sup>22]. **HEAPS** [MMCC<sup>+</sup>22]. **heart** [VSM<sup>+</sup>22]. **heat** [AS24a, Bel24, CJZ21, KKPC23, LFL<sup>+</sup>24, MBTB21, MMYU22, MM22, SKS24, XLL<sup>+</sup>22]. **heat-transport** [MBTB21]. **heaters** [SS22]. **heavy** [AZH<sup>+</sup>24, BKBL22, MBH21, MEH21, NUK<sup>+</sup>22, OEI<sup>+</sup>22, TIG<sup>+</sup>24, YZL<sup>+</sup>23, YZW22]. **heavy-ion** [MBH21, MEH21, YZL<sup>+</sup>23]. **heavy-quarkonium** [OEI<sup>+</sup>22]. **HEJ** [ABB<sup>+</sup>22]. **Hele** [Yan21b]. **heliosphere** [MNS<sup>+</sup>24, SBG23].  
**helium** [FN23, LHTP<sup>+</sup>24, VB22b]. **helium-like** [FN23, LHTP<sup>+</sup>24].  
**Hellmann** [NVC20]. **Helmholtz** [LGDF20, OCR<sup>+</sup>22, OKBM23, VPPQ21, VPPQ<sup>+</sup>24]. **help** [SWZ23].  
**HemeLB** [ZMC23]. **HEP** [KMN21, PP21, WZK<sup>+</sup>24]. **HEP-Frame** [PP21].



**HepLean** [TS25]. **HepLib** [FXZT21, FTG23]. **HEPLike** [BC20]. **HepMC3** [BIK<sup>+</sup>21]. **Hermes** [DKM<sup>+</sup>24]. **Hermes-3** [DKM<sup>+</sup>24]. **Hermite** [KMD<sup>+</sup>21, LWZD25, PMK<sup>+</sup>23]. **Hermite-discontinuous** [KMD<sup>+</sup>21]. **Hermitian** [FKK<sup>+</sup>21, zYMK<sup>+</sup>21, YT22]. **Heterogeneous** [GB22, MDDI21, RCX24, Ryd20, BB24b, Hal21, LLZ<sup>+</sup>23, LDGN24, LJS21, RSC<sup>+</sup>22, SCF20, WWZ<sup>+</sup>23]. **heterostructures** [Che23]. **hfbtho** [MSN<sup>+</sup>22]. **Hfszeeman** [LGBJ20]. **Hibridon** [ADW<sup>+</sup>23]. **hidden** [Cel24, GSV23, SCT21, WYZZ23]. **Hierarchical** [BKS22, LDGN24]. **Hierarchy** [LJC<sup>+</sup>25]. **Higgs** [KM20, KMS20b, AKK<sup>+</sup>24, BHH<sup>+</sup>20, BMM21, DDM20, GHK20, KKM<sup>+</sup>20, KKS24, KMU<sup>+</sup>23, KM20, KMS20b]. **Higgs-boson** [BHH<sup>+</sup>20, DDM20]. **HiggsBounds** [BBH<sup>+</sup>23]. **HiggsSignals** [BBH<sup>+</sup>23]. **HiggsTools** [BBH<sup>+</sup>23]. **High** [AALK20, ABB<sup>+</sup>22, BPMMP24, BDR<sup>+</sup>20, ČPF<sup>+</sup>24, HSA22, KPL<sup>+</sup>21, LMWW24a, LMQ<sup>+</sup>23, LSS<sup>+</sup>25, NT24, PLL24, RBV<sup>+</sup>22, RBFB20, XLL<sup>+</sup>22, AGJ<sup>+</sup>23, AFJ<sup>+</sup>23, BBV<sup>+</sup>22, ADF<sup>+</sup>22, BCCM<sup>+</sup>24, BL21, BTK24, BMSP21, BBA23, BCTS22, BLM<sup>+</sup>22, BSC<sup>+</sup>21, CZTF23, CKP<sup>+</sup>25, CKC<sup>+</sup>21, CKGW22, CWJ21, Dan24, DB24, DL24, DBV<sup>+</sup>24, DFU20, DS20, EGLK20, EVMP20, EPM23, EES24, FLS25, FJ22, FXZT21, FTG23, FRN<sup>+</sup>23, GRP<sup>+</sup>25, GBS<sup>+</sup>20, GZW20, GHL<sup>+</sup>22, GKT<sup>+</sup>24, GAS<sup>+</sup>23, GGCW24, GFD<sup>+</sup>24, HMYH22, HA23, HWL<sup>+</sup>23, HSO<sup>+</sup>22, IUJ21, Jab20, KAB<sup>+</sup>21, KMN21, KSC<sup>+</sup>23, KGT22, KKB<sup>+</sup>25, LLL<sup>+</sup>24a, LF24, LLZ<sup>+</sup>22, Man24, MMCC<sup>+</sup>22, MT23, MCB<sup>+</sup>20, NJSY22, Nie22a, NAZ<sup>+</sup>21, OCC23, OSK<sup>+</sup>21, PMSHG23, PCS<sup>+</sup>23, PFG22, QWZ<sup>+</sup>21, RDH<sup>+</sup>20, RZY<sup>+</sup>24, RdPS24, RCW<sup>+</sup>20, SRC21, SRS<sup>+</sup>25, SMC<sup>+</sup>22, SGY24, SSV22, SDBS24, TCY23, Tan24, TV24, TS25, VLS22, WXY20]. **high** [WXL<sup>+</sup>21, WGGC22, XPF<sup>+</sup>24, XHY<sup>+</sup>24, YJLW21, YK21b, YKK23b, ZGZW23, ZDLS21, Zho23]. **high-** [AFJ<sup>+</sup>23]. **High-accuracy** [LMQ<sup>+</sup>23, GB22]. **High-degree** [LMWW24a]. **high-dimensional** [DS20, SRS<sup>+</sup>25, SMC<sup>+</sup>22]. **high-efficiency** [Tan24, XHY<sup>+</sup>24]. **high-efficient** [LLZ<sup>+</sup>22]. **High-energy** [ABB<sup>+</sup>22, BCCM<sup>+</sup>24, Dan24, HMYH22, HSO<sup>+</sup>22, Man24]. **high-entropy** [MMCC<sup>+</sup>22]. **High-fidelity** [LSS<sup>+</sup>25, XLL<sup>+</sup>22, BMSP21, CKC<sup>+</sup>21, KSC<sup>+</sup>23, MCB<sup>+</sup>20, RdPS24]. **high-intensity** [HA23, Nie22a]. **high-level** [ZGZW23]. **High-order** [ČPF<sup>+</sup>24, BBV<sup>+</sup>22, ADF<sup>+</sup>22, BBA23, BSC<sup>+</sup>21, CWJ21, DBV<sup>+</sup>24, DFU20, EVMP20, EPM23, FLS25, FJ22, FRN<sup>+</sup>23, GBS<sup>+</sup>20, GZW20, GHL<sup>+</sup>22, GKT<sup>+</sup>24, GGCW24, HWL<sup>+</sup>23, KKB<sup>+</sup>25, LF24, PMSHG23, PCS<sup>+</sup>23, QWZ<sup>+</sup>21, RZY<sup>+</sup>24, RCW<sup>+</sup>20, SDBS24, TCY23, VLS22, WXY20, YK21b, YKK23b, Zho23]. **High-performance** [AALK20, BPMMP24, BDR<sup>+</sup>20, HSA22, KPL<sup>+</sup>21, BLM<sup>+</sup>22, CZTF23, GRP<sup>+</sup>25, MT23, OSK<sup>+</sup>21, SGY24, SSV22, YKK23b]. **high-precision** [CKP<sup>+</sup>25, DS20, KAB<sup>+</sup>21, KGT22]. **high-pressure** [BTK24]. **high-resolution** [EGLK20]. **high-speed** [BL21, CKGW22, DB24, DBV<sup>+</sup>24, OCC23]. **high-temperature** [DL24]. **high-throughput** [NAZ<sup>+</sup>21, PFG22, WXL<sup>+</sup>21, WGGC22]. **Higher**



[LLY<sup>+</sup>22, BA24, HTL<sup>+</sup>22, LLZ<sup>+</sup>22, SLL22, SP20, YS22]. **higher-energy** [SLL22]. **Higher-order** [LLY<sup>+</sup>22, LLZ<sup>+</sup>22, SP20]. **highly** [DRM20, LAD<sup>+</sup>21, LDGN24, OLNG21, PCS<sup>+</sup>20, TWR21, WYT23, YSX<sup>+</sup>20, ZPL<sup>+</sup>24]. **highly-coupled** [TWR21]. **highly-efficient** [ZPL<sup>+</sup>24]. **highly-scalable** [OLNG21]. **HighPT** [AFJ<sup>+</sup>23]. **Hilbert** [SKM<sup>+</sup>21]. **Hilliard** [Yan21b, CY24, KSF<sup>+</sup>22, LM21a, LHC20]. **HiPACE** [DBH<sup>+</sup>22]. **histogram** [Sit23, Sit24]. **HL** [TPS<sup>+</sup>24]. **HL-LHC** [TPS<sup>+</sup>24]. **HLS** [WZK<sup>+</sup>24]. **HODG** [HWL<sup>+</sup>23]. **Hodge** [VPPQ21, VPPQ<sup>+</sup>24]. **Holm** [ZYXC24]. **HoloGen** [CKGW22]. **hologram** [CKGW22, MZD<sup>+</sup>20]. **homogeneous** [LHTP<sup>+</sup>24, YZHL22]. **homopolymer** [LM21a]. **HONPAS** [SXW<sup>+</sup>20]. **HORSE3D** [FRN<sup>+</sup>23]. **Householder** [dBBVA20]. **hp** [MCB<sup>+</sup>20, TMC22]. **HPC** [ARLDG24, BBA25, EMB<sup>+</sup>25, GTA21, OLNG21]. **hPIC** [SMC<sup>+</sup>22]. **hPIC2** [MRH<sup>+</sup>23]. **HSMA** [LYX22]. **HTR** [DFU20, DP21, Di 22]. **HTR-1.2** [DP21]. **HTR-1.3** [Di 22]. **Hubbard** [TMC22]. **Hubble** [TSAK21]. **human** [ZMC23]. **human-scale** [ZMC23]. **hundred** [CLZ<sup>+</sup>21]. **hundred-billion-metal-atom** [CLZ<sup>+</sup>21]. **hunting** [JDS20]. **Hybrid** [AAB<sup>+</sup>21, AAMY23, CJ21, LJQ<sup>+</sup>22, OBL<sup>+</sup>21, YT23, ASC<sup>+</sup>24, Bav24, CMS24, DMS<sup>+</sup>22, GB22, GHK20, GP22, HPAW21, LL23, LS24, MRH<sup>+</sup>23, RCS21, SKYQ21, SXW<sup>+</sup>20, TWR21, WXX24, YW21, YD20, ZYML24, ZWL25, ZLS<sup>+</sup>22]. **Hybridizable** [SVSC20]. **hydraulic** [ZL20]. **hydrocarbons** [MRG22]. **hydrodynamic** [CSBF23, DACA<sup>+</sup>22, KD23, SLC<sup>+</sup>22, WDMZ24]. **hydrodynamically** [CZY20]. **hydrodynamically-coupled** [CZY20]. **Hydrodynamics** [AMA<sup>+</sup>20, AYWKL24, FRN21, KP23, LMQ<sup>+</sup>23, LYZL24, MXH<sup>+</sup>24, ODR<sup>+</sup>22, RZH22, Sij23, ZCWY20, ZRZ<sup>+</sup>21, ZHZG23]. **hydrogen** [SCT21]. **hydrogenic** [FN23]. **hydrogeology** [Org22]. **hydrophilicity** [SD24]. **Hyper** [GSM<sup>+</sup>22, BA24, Gro22, GOS<sup>+</sup>22, GG24]. **Hyper-Fractal** [GSM<sup>+</sup>22, Gro22, GOS<sup>+</sup>22, GG24]. **hyper-radial** [BA24]. **Hyperbolic** [TWW22, JKSY22, MD20b, PMS<sup>+</sup>20a, ZLWBH25]. **hyperfine** [BGHC23, LGBJ20]. **hyperfine-induced** [LGBJ20]. **hypergeometric** [ABF<sup>+</sup>23a, ABBD23, ABFP24, Ber24]. **hyperparameter** [TV24]. **hyperplanes** [LH24]. **HyperRAF** [BA24]. **hypersonic** [DFU20, GDJG23, Di 22, SRS<sup>+</sup>25, DP21]. **hyperspectral** [GG24]. **hyperspherical** [DEV20, Efr20, Efr21a]. **hyperthermal** [JS22]. **HYPIC** [WXX24].

**I2DM** [LGZ<sup>+</sup>25]. **IAST** [DvHSdS22]. **ICSFoam** [OCC23]. **ideal** [LS24, YGZG25, DvHSdS22]. **identical** [XSM22]. **Identification** [KSDH23, WLF<sup>+</sup>24, WPMK21, Bav24, CZB<sup>+</sup>23, Ham20b, LNP<sup>+</sup>24, MRG22, TAGC22b]. **identifying** [PRR23, WYZZ23]. **II** [ARLDG24, ATRD21, BBB<sup>+</sup>21, BN23, CFPS23, NCF<sup>+</sup>23]. **III** [HLCD20, Nog21b]. **III-nitride** [HLCD20]. **IIM** [WT22]. **ill** [SWZ23]. **ill-posedness** [SWZ23]. **Illustration** [NDFL24]. **Image** [OBK<sup>+</sup>20, CEC<sup>+</sup>24, KLD<sup>+</sup>21, MCP23, OSK<sup>+</sup>21]. **image-based** [OSK<sup>+</sup>21].



**images** [GOS<sup>+</sup>22, GG24, PSK<sup>+</sup>24]. **imaginary** [KCS22]. **imaging** [ANU21, Yan24b]. **IMEX** [YWTK23]. **immersed** [BCHE21, TGBM22, YSX<sup>+</sup>20, ZPZH20, Zha20]. **immersed-boundary** [YSX<sup>+</sup>20]. **immersed-finite-element** [BCHE21]. **immersive** [TL20]. **Impact** [GAA<sup>+</sup>20, FMCB<sup>+</sup>20]. **IMPC** [ZYG21]. **IMPC-Burnup2.0** [ZYG21]. **imperfect** [YKJ<sup>+</sup>24]. **IMPGYRO** [YHH<sup>+</sup>20]. **imple** [VMRFC23]. **implement** [MD20b]. **Implementation** [BN20, BN23, CJD<sup>+</sup>20, Din25, EML22, GWZ<sup>+</sup>25, IYC<sup>+</sup>24, IHWG24, IYP<sup>+</sup>25, KDK23, KGT22, KM22, KAS24, LEE<sup>+</sup>21a, NG21, NBB<sup>+</sup>21, OV23, WMS<sup>+</sup>25, YCCW23, YD20, ZRH21, BL25, CZTF23, DS22, DL24, Dür23, EGLK20, FWL<sup>+</sup>24a, GBR23, JDD<sup>+</sup>21, KRE22, LYC20, LHG24, LNB23, MWJL23, MR22, Mar22, MVK<sup>+</sup>24, MZL<sup>+</sup>21, MHP23, MDP22, PWD22, PM21, PGS<sup>+</sup>24, RG21, RMFB23, RAJ<sup>+</sup>24, RCS21, SYFT23, SRE<sup>+</sup>24, SNG20, SW25, SDBS24, VÁFG<sup>+</sup>22, WZK<sup>+</sup>24, XOTI22, Yan23, YML<sup>+</sup>24, ZMN<sup>+</sup>24, ZZZ<sup>+</sup>20]. **Implementations** [YLIO22, HG22, MMFdL21, RBFB20]. **implemented** [DACA<sup>+</sup>22, LYX22, SN23]. **Implementing** [DRB22]. **Implicit** [TWR21, BCHE21, BTK24, CL22b, CCW20, DTC20, DBV<sup>+</sup>24, DBR24, EVMP20, GTB24, KBB21, KBSL22, MAMK21, OCC23, PMK<sup>+</sup>23, RDR<sup>+</sup>20, RC23, SN23, SXYD24, TKS22, VLS22, YZ20b]. **implosion** [NUK<sup>+</sup>22, TKC<sup>+</sup>21]. **imposition** [MVF20]. **improper** [MBCC23]. **Improved** [BBC<sup>+</sup>24, DB24, DACA<sup>+</sup>22, HK24, Jab20, CML<sup>+</sup>24, FFLR20, LY24a, Mag25, MZ22, SXYD24]. **Improvements** [AAD<sup>+</sup>24, CK23, EVFRHR23, KKL21, RBWD<sup>+</sup>24, SMO20b, WMA<sup>+</sup>22, ZLK25]. **Improving** [BGR23, KRJ23, PP21, PCB<sup>+</sup>25]. **impulse** [HMM22, OYC24]. **impurities** [YHH<sup>+</sup>20]. **impurity** [ACS<sup>+</sup>22, MSY<sup>+</sup>21, NSY<sup>+</sup>23, YHH<sup>+</sup>20]. **in/dependent** [Kar23a]. **including** [BBB20, KOT23, KM20, KMS20b, MOV21]. **inclusive** [BKG<sup>+</sup>23, ZDLS21]. **incommensurate** [LF25]. **incompressible** [CS22a, CJZ21, Cos22, FBMD20, FRN21, HPY21, KBSL22, KRE22, LJH<sup>+</sup>23, ODR<sup>+</sup>22, TGS<sup>+</sup>20, WT22, YWTK23]. **incorporation** [WHH25]. **incremental** [KFHR24]. **independent** [ADW<sup>+</sup>23, BV21, FMCB<sup>+</sup>20, MSU<sup>+</sup>21, WH23]. **index** [BMR<sup>+</sup>24b, MWJL23]. **induced** [LGBJ20, OYC24, Roh22, SJY18, SJY20]. **Industrialization** [BCCM<sup>+</sup>24]. **Inelastic** [HSLC24, BKG<sup>+</sup>23, GSV23, MBB24, SMB20]. **inequality** [YYH21]. **inertia** [OS24]. **inertial** [LLH21a, NUK<sup>+</sup>22, TKC<sup>+</sup>21, ZLL<sup>+</sup>24]. **inexact** [SLC<sup>+</sup>22]. **Inference** [CV21, LM22, BB24a, HL21, KKP22]. **infinite** [LLL25, RRC<sup>+</sup>24]. **influence** [AS24a]. **Informed** [LY22, RRC<sup>+</sup>24, RPGG25, SE24, WBF<sup>+</sup>24, ZJC<sup>+</sup>25, ZD25]. **infrastructure** [CZA<sup>+</sup>23, zYCD<sup>+</sup>20]. **INGRID** [GUW<sup>+</sup>22]. **inhomogeneous** [ZWL25]. **initial** [AS24a, FYW23, SRML20]. **initialization** [NR21]. **initialize** [CCL<sup>+</sup>22]. **Initio** [vRCM21, BDP<sup>+</sup>21, JPJ<sup>+</sup>23, MMC<sup>+</sup>21, FN23, KSG22, MLD<sup>+</sup>22, SLBR22, SLIC24, ZGZW23, IMB<sup>+</sup>22, KSM<sup>+</sup>25, KMM21, LWC<sup>+</sup>21, NYN<sup>+</sup>21, PP23, RTRB21, YLH<sup>+</sup>20, ZPL<sup>+</sup>21, TDR<sup>+</sup>20, YHY<sup>+</sup>21]. **injection**



[WAK22]. **inland** [GRP<sup>+</sup>25]. **Inline** [TW21b]. **inorganic** [ZHS<sup>+</sup>20]. **input** [GHL23]. **inputs** [GBH20]. **insight** [RBV<sup>+</sup>22]. **insights** [BMI23]. **inspired** [NDFL24, WHSG24, HSLC24]. **instabilities** [MTW<sup>+</sup>24, MD20b, YYC<sup>+</sup>23]. **instability** [LY24a]. **installed** [XOTI22]. **instantaneous** [HSLC24]. **instruction** [PNL<sup>+</sup>24]. **insulator** [MCP23]. **insulators** [YI22]. **Integral** [KLMU21, SC20, CKT21, DL24, FN21, GOST23, LLL25, MN21, SSV22, SZ24b, VPS23, VTB<sup>+</sup>21, XFH<sup>+</sup>22, YSI<sup>+</sup>24, YZHL22]. **integral-based** [LLL25]. **Integrals** [HY23, ABBD23, ABD<sup>+</sup>23, Arn20, BA24, BP25, BDF<sup>+</sup>25, Bzo21, DS20, DEdM24, Flo24, HNOW25, Hid21, HG22, Lee21b, LM23, PBC<sup>+</sup>24, SMO25, UZB22, WW21, WBM<sup>+</sup>24]. **integrated** [CPG<sup>+</sup>25, Gag25, Yan24b]. **Integrating** [KMM21]. **integration** [Bar22b, BMT23, BL25, CL20, CCK23, CNS22, DBR24, EML22, GDB10, HPY21, HW22, KBSL22, KMR22, Kol23, LC24, MPQ<sup>+</sup>22, NJT24, PMK<sup>+</sup>23, PW25, STA20, SLZ<sup>+</sup>24, TSL21, TPCT22, WZPW20, WBM<sup>+</sup>24, dVAR<sup>+</sup>24, BHSS25]. **integration-by-parts** [WBM<sup>+</sup>24]. **Integrations** [ZW20, CZ21]. **Integrative** [FYM<sup>+</sup>22]. **integrator** [CL22b, EOR21, QWZ<sup>+</sup>21, TBAR21]. **integrator/WENO** [EOR21]. **integrators** [TM24, ZK20]. **Integro** [ASW20]. **Integro-Differential** [ASW20]. **Intel** [OLNG21]. **intelligence** [PMSHG23]. **intense** [BAB<sup>+</sup>20, Tan23]. **intensity** [Dan23, DDW25, HA23, Nie22a]. **intensive** [BKS24a]. **interacting** [LJQ<sup>+</sup>22, MBG<sup>+</sup>20]. **interaction** [AAMY23, CKP<sup>+</sup>25, DL24, FBA<sup>+</sup>20, GCK21, HHVB21, HLCD20, JMOC21, LBS<sup>+</sup>23, MMP<sup>+</sup>24, MSM24, Nie22a, RZY<sup>+</sup>24, SNG20, UAS22, VSM<sup>+</sup>22, ZWL25]. **interaction-expansion** [SNG20]. **interactions** [ASA<sup>+</sup>22, AB21, BFI<sup>+</sup>21, CGR21, CSW24, DG20, FN23, Gar21, HA23, KOT23, Kar23a, LMX<sup>+</sup>21, MLD<sup>+</sup>22, MRH<sup>+</sup>23, NBS<sup>+</sup>20, NBB<sup>+</sup>21, PWD22, PFG22, Tan23, YKSH20, YGSW21, ZPL<sup>+</sup>21]. **interactive** [ABB<sup>+</sup>24b, GUW<sup>+</sup>22, KKB<sup>+</sup>24, TL20]. **Interatomic** [SRK<sup>+</sup>24, DRB22, DBdFdSR21, HTS<sup>+</sup>21, KMG<sup>+</sup>20, MPN<sup>+</sup>21, SKS24, WAET22]. **Interface** [AACE<sup>+</sup>21, BMREC21, KMY<sup>+</sup>23, AKW21, BLN<sup>+</sup>21, DvHSdS22, FAZ24, HWAA22, LY24a, PFG22, SRT<sup>+</sup>25, TDR<sup>+</sup>20, VMRFC23, WXL<sup>+</sup>21, YWTK23, YHY<sup>+</sup>21, ZDG<sup>+</sup>21]. **interfaces** [DTGE21, GB20, MCP23, WT22, XSM22, YR21]. **interfacial** [SPTPR21, UO20, YWK<sup>+</sup>24]. **intermediate** [LGBJ20, MLD<sup>+</sup>22]. **intermediate-mass** [MLD<sup>+</sup>22]. **Intermediates** [RG21]. **intermetallic** [AMP<sup>+</sup>21]. **internal** [BBA<sup>+</sup>20, CZB<sup>+</sup>23]. **interoperability** [BMREC21]. **InterPhon** [YHY<sup>+</sup>21]. **Interpolation** [KKL21, YLL<sup>+</sup>22, AL24, DS20, FCdNA25, FMHH24, Ilt21, KOT23, KKLZ23a, KKLZ23b, KFC<sup>+</sup>20, WVK21]. **interpolation-based** [KKLZ23a, KKLZ23b]. **interpretable** [TC24]. **interpretation** [BSS<sup>+</sup>23, RMFB23, TRB20b]. **interpreting** [Hua24]. **intersection** [LH24]. **interstitial** [WLF<sup>+</sup>24]. **intrinsic** [JGJ20]. **Introducing** [PSK<sup>+</sup>24]. **introduction** [BM20, WOP<sup>+</sup>20]. **intuitive** [YR21]. **invariance** [CLS22b, CJZ25]. **invariant** [ZYXC24]. **invariant-preserving** [ZYXC24]. **invariants** [GBR23, LS23]. **Inverse** [Sva24, AG23, HL21, TCD20, XLG<sup>+</sup>23, ZJC<sup>+</sup>25, ZS24]. **inversion**



[DRZ<sup>+</sup>21, GST21, MN21, YP24]. **inverted** [CJZ21]. **investigated** [YLP<sup>+</sup>24].  
**Investigating** [ATC<sup>+</sup>23]. **Investigation**  
[SCF20, MVK<sup>+</sup>24, MZD<sup>+</sup>20, WBvdH20]. **InvFD** [MN21]. **involving**  
[BA24, CJZ25]. **ion** [Ada22, BFT20, FYM<sup>+</sup>22, GSV23, JS22, KLD<sup>+</sup>21,  
LS21a, LGZ<sup>+</sup>25, MBH21, MEH21, NUK<sup>+</sup>22, PK24, PFG22, SNP<sup>+</sup>20,  
SMC<sup>+</sup>22, ST23b, TWR21, TBAR21, WXX24, Xie23, YZL<sup>+</sup>23, KOF21].  
**ion-ion** [GSV23]. **ion-material** [PFG22]. **ionization** [SZNW23, TNL<sup>+</sup>22].  
**ions** [BKBL22, SJP21a]. **IR** [KSG22]. **IRAND** [KRJ23]. **irradiated**  
[CHY<sup>+</sup>24]. **irradiation** [LGZ<sup>+</sup>25]. **irradiations** [MVK<sup>+</sup>24]. **irreducible**  
[GWPW21, IMB<sup>+</sup>22, LCZ<sup>+</sup>21, MONW21]. **irregular** [TS23]. **IrRep**  
[IMB<sup>+</sup>22]. **Irvsp** [GWPW21]. **Ising**  
[BPMMP24, HL21, OBL<sup>+</sup>21, RBFB20, WZC<sup>+</sup>24, YM21]. **isoconversional**  
[RHLT<sup>+</sup>22]. **isomeric** [WGS<sup>+</sup>22]. **isosurface** [ZGF<sup>+</sup>24]. **isotherm**  
[BRAC23]. **isothermal** [FA20b, LHG24, RHLT<sup>+</sup>22]. **isotopes** [KAB<sup>+</sup>21].  
**ISPH** [FRN21, MRN20, ZYML24]. **Issue** [GM24, SZY<sup>+</sup>22]. **Issues** [LS21a].  
**ITER** [COJ<sup>+</sup>22]. **iterated** [WW21]. **iteration** [HPAW21, ZGSW24].  
**iterations** [Ano20c, KK16]. **iterative**  
[DCZ23, FWL<sup>+</sup>24a, GQ22, KKY24, MRN20, SGS23, WLCF21]. **ITVOLT**  
[SGS23]. **IV** [MSN<sup>+</sup>22].

**Jacobian** [LMMP23, Zho23]. **Jacobian-free** [LMMP23, Zho23]. **January**  
[Ano20r, Ano21q, Ano22q, Ano23q, Ano24q, Ano25e]. **Jas4pp** [CGG21].  
**JaSTA** [Hal21]. **JaSTA-3** [Hal21]. **JAX** [BBA23, XLG<sup>+</sup>23, BBA25].  
**JAX-FEM** [XLG<sup>+</sup>23]. **JAX-Fluids** [BBA23, BBA25]. **Jefferson**  
[AEG<sup>+</sup>25]. **JefiGPU** [ZCP<sup>+</sup>22]. **Jefimenko** [ZCP<sup>+</sup>22]. **JeLLyFysh**  
[HQF<sup>+</sup>20]. **jet** [BP21, LNP<sup>+</sup>24, LIG<sup>+</sup>24, Roh22]. **jet-fragmentation**  
[Roh22]. **jet-tagging** [LNP<sup>+</sup>24]. **JFNK** [HA21]. **Jiezi** [ZCS<sup>+</sup>24]. **JIT**  
[VB22a]. **joint** [HFP21]. **Jones** [SHRK22]. **Josephson** [Gul20]. **JRAF**  
[Bag22]. **Julia** [Bag22, BA24, FASD20, MASFP25, VB22a, fWL24b]. **July**  
[Ano20s, Ano21r, Ano22r, Ano23r, Ano24r]. **junction** [BMI23]. **June**  
[Ano20t, Ano21s, Ano22s, Ano23s, Ano24s]. **Jupyter** [DBE<sup>+</sup>24]. **just**  
[May21]. **Jx** [YKSH20].

**Kalman** [AGJ<sup>+</sup>23, BIL25, BDGS21]. **KANTBP** [CGV<sup>+</sup>22]. **kappa**  
[BXW<sup>+</sup>25]. **kappa-Maxwellian** [BXW<sup>+</sup>25]. **Kawasaki** [CZY20]. **Kelbg**  
[DL24]. **KelbgLIP** [DL24]. **Kernel** [STA20, BND22, LGDF20, TWW22].  
**kernels** [EPM23, KMRB24]. **KGMf** [KFPV21]. **KinBot** [VZ20].  
**kinematical** [Dan23]. **Kinetic**  
[KWZ24, BB21, CLEP24, DIKS24, FBC<sup>+</sup>21, GTB24, HEF21, JHH<sup>+</sup>25,  
KWB<sup>+</sup>25, KDIN<sup>+</sup>23, LSW<sup>+</sup>20, LHG24, LWV20, MTW<sup>+</sup>24, MAMK21,  
RSC<sup>+</sup>22, SKC21, WLX24, ZWP<sup>+</sup>22, ZYX21, ZYX22]. **Kinetics**  
[CV21, CLEPF23, FCTFR20, MPH<sup>+</sup>24, RHLT<sup>+</sup>22, RCX24, DdCAG23].  
**kink** [ZJM<sup>+</sup>21]. **Kira** [KLMU21]. **kit** [WGGC22, MAMK21, CZWE23].  
**KKMC** [AJW<sup>+</sup>21]. **KKMCee** [JWW<sup>+</sup>23]. **Klein** [GGCW24]. **KLIF**



[WAET22]. **KM** [BXW<sup>+</sup>25]. **KM3NeT** [AAA<sup>+</sup>20, AAG<sup>+</sup>20, AAG<sup>+</sup>24]. **kMap.py** [BYL<sup>+</sup>21]. **knockout** [OYC24, SW23]. **Kohn** [JZW<sup>+</sup>22, LG23, YT23]. **Kokkos** [EVMP20]. **Krook** [FJ22]. **Krylov** [HKY<sup>+</sup>21, WPMK21, Zho23]. **KSSOLV** [JZW<sup>+</sup>22]. **Kubo** [Bul21, SP23, WLCF21]. **Kutta** [KBSL22, KFC<sup>+</sup>20].

**L** [CY24]. **L-MAU** [CY24]. **lab** [DHK<sup>+</sup>21, AEG<sup>+</sup>25, DG20]. **LaBCof** [NL23a]. **Lac** [BB24b]. **laden** [GWA<sup>+</sup>23, GB20]. **Lagrange** [GWA<sup>+</sup>23, SFBG20, WVK21]. **Lagrange-mesh** [SFBG20]. **Lagrangian** [CS22b, Ein20, MSM24, SRE<sup>+</sup>24, SRT<sup>+</sup>25, Sij23, THH21, TC24, WWM<sup>+</sup>22, ZWL25]. **Lagrangian/Eulerian** [SRT<sup>+</sup>25]. **lagrangians** [May21, May21]. **Laguerre** [HY23, PCL24]. **lamellar** [FLK<sup>+</sup>20]. **Laminar** [VLS22]. **Laminar-Turbulent** [VLS22]. **LAMMPS** [CT23, CL22b, DCRF23, DACA<sup>+</sup>22, Ham20b, IYC<sup>+</sup>24, JCM20, KAS24, LYX22, TAB<sup>+</sup>22, YLIO22]. **Lanczos** [GBD<sup>+</sup>22, ZJ23]. **Landau** [AM21b, CFW<sup>+</sup>23, FMT24, Hor23a, MDP22, SJ21, ZSqXY21]. **landscape** [LSZ23]. **landscapes** [NA20]. **Langevin** [JGJ20, LLT<sup>+</sup>23, TM24]. **Langtry** [VLS22]. **languages** [LSS<sup>+</sup>25]. **Laplace** [ATC<sup>+</sup>23, CLEPF23, WZC21]. **Laplacian** [CZS<sup>+</sup>21]. **lapse** [DG20]. **Large** [CJ21, WA21, YCC22, YJLW21, ARLDG24, BIL25, BC22, BDR<sup>+</sup>20, CB23, CMJC21, EVFRHR23, FWL<sup>+</sup>24a, GOST23, HSA22, KSG22, KKPC23, KFHR24, KLM<sup>+</sup>22, LBRW22, LKP21, LZK<sup>+</sup>23, LG23, LGK<sup>+</sup>22, MTW<sup>+</sup>24, Man24, MDR<sup>+</sup>20, OCK<sup>+</sup>24, PLT<sup>+</sup>23, PBC<sup>+</sup>24, RL21, SKM<sup>+</sup>21, VTB<sup>+</sup>21, ZJ23, ZW20]. **large-dimension** [ZJ23]. **Large-scale** [WA21, YJLW21, BC22, BDR<sup>+</sup>20, CB23, EVFRHR23, FWL<sup>+</sup>24a, HSA22, KKPC23, KFHR24, LBRW22, LKP21, LZK<sup>+</sup>23, LG23, MDR<sup>+</sup>20, PLT<sup>+</sup>23, RL21]. **laser** [BAB<sup>+</sup>20, EBNS22, FN23, HA23, LLH21a, LMX<sup>+</sup>21, MTW<sup>+</sup>24, MXH<sup>+</sup>24, Nie22a, PMSHG23, RZY<sup>+</sup>24, SJY18, SJY20, Tan23]. **laser-electron** [Nie22a]. **laser-induced** [SJY18, SJY20]. **laser-plasma** [HA23]. **laser-produced** [MXH<sup>+</sup>24]. **lasers** [ZLMH23]. **latex** [RDZ<sup>+</sup>20]. **Lattice** [BBB20, DBdFdSR21, KBSH20, MD21, NL23a, PLSB22, YD20, vRCM21, AHP21, AS24b, CL22b, DACA<sup>+</sup>22, Dür23, EVFRHR23, FFTV23, FFLR20, FKK<sup>+</sup>21, GLSH21, IKM<sup>+</sup>23, JMOC21, Kub24, KAS24, LMWW24b, LLL24b, MWJL23, MBC<sup>+</sup>24, MOY<sup>+</sup>22, QCZ23, RZ23, STA20, SKM<sup>+</sup>21, WLLS25, WA21, WWS<sup>+</sup>25, WSRO24, YCCW23, ZPZH20, ZPL<sup>+</sup>24, ASC<sup>+</sup>21, KK20]. **lattice-Boltzmann** [DACA<sup>+</sup>22, WWS<sup>+</sup>25]. **lattices** [BRAC23]. **Lauricella** [BP25]. **LAVA** [DCRF23]. **laws** [HWAA22, OCR<sup>+</sup>22, Yev21]. **layer** [CML<sup>+</sup>24, MPH<sup>+</sup>24, OKBM23, MAMK21]. **layered** [LF25, WZC21]. **layers** [NTO24, Pöt20]. **lb** [DACA<sup>+</sup>22]. **lb/fluid** [DACA<sup>+</sup>22]. **LBcuda** [BLM<sup>+</sup>22]. **LBfoam** [ASC<sup>+</sup>21]. **LBM** [SW25, STS<sup>+</sup>25]. **LBsoft** [BMT<sup>+</sup>20, BLM<sup>+</sup>22]. **LCLS** [NCF<sup>+</sup>23]. **LCLS-II** [NCF<sup>+</sup>23]. **LCPAO** [YI22]. **leading** [ABB<sup>+</sup>22, PBC<sup>+</sup>24]. **leapfrog** [TKS22]. **learned** [MYKC23, RBV<sup>+</sup>22, TVSM25]. **learner** [FCdNA25]. **Learning** [GUAD22, TGGC23, VEHCM21, ZKZ<sup>+</sup>24, AYB24, AUO<sup>+</sup>22, Bav24,



CFL<sup>+</sup>22, CWG<sup>+</sup>21, CZWE23, CMLA25, HPRS23, HJM<sup>+</sup>20, KRJ23, KKY24,  
 LAC21, LCL<sup>+</sup>23, LDGN24, MLZ<sup>+</sup>23, MGG<sup>+</sup>20, MPN<sup>+</sup>21, SE24, SRS<sup>+</sup>25,  
 SKS24, ST23b, SY25, TV24, TSV<sup>+</sup>25, TAGC22b, TSAK21, TGIM23, UD24,  
 WAET22, YYZ<sup>+</sup>22, YBZ<sup>+</sup>25, ZWC<sup>+</sup>20, ZGW20]. **learning-based**  
 [CZWE23, UD24]. **Lebedev** [LLH<sup>+</sup>21b]. **Leffler** [CLEP24]. **left** [VSM<sup>+</sup>22].  
**Legolas** [CK23]. **Legume** [ZMN<sup>+</sup>24]. **Lehmann** [KCS22]. **Lennard**  
 [SHRK22]. **Lennard-Jones** [SHRK22]. **LEP** [AJW<sup>+</sup>21]. **LEP/SLC**  
 [AJW<sup>+</sup>21]. **LeptogeneSiS** [GMPG<sup>+</sup>21, GLPG<sup>+</sup>23]. **Lepton**  
 [AJW<sup>+</sup>21, AZH<sup>+</sup>24, AAD<sup>+</sup>24, JWW<sup>+</sup>23, KKS24, LNP<sup>+</sup>24].  
**LeptonInjector** [AAA<sup>+</sup>21]. **leptons** [SLP<sup>+</sup>22, TSV<sup>+</sup>25]. **LeptonWeighter**  
 [AAA<sup>+</sup>21]. **leptoquarks** [CS22b]. **LES/DNS** [LBS<sup>+</sup>23]. **less**  
 [AMA<sup>+</sup>20, BR20a, Pos22]. **Level** [YYZ<sup>+</sup>23, AHM<sup>+</sup>23, BS25, EVFRHR23,  
 GSNB22, HWAA22, Hua24, KSG22, NT24, SW25, TGIM23, ZGZW23].  
**level-3** [TGIM23]. **Level-set** [YYZ<sup>+</sup>23, HWAA22, SW25]. **levels** [CGV<sup>+</sup>22].  
**LEVIS** [MPQ<sup>+</sup>22]. **LHC** [AES21, TPS<sup>+</sup>24]. **LHCb** [AAB<sup>+</sup>21, BDGS21]. **Li**  
 [Pen24]. **LIBAMI** [EML22]. **libdlr** [KCS22]. **libEMM** [Yan23].  
**libEMMI\_MGFD** [YP24]. **libepa** [ZGK<sup>+</sup>24]. **libFastMesh** [FZD<sup>+</sup>24].  
**Libra** [Lee21b]. **Library** [HJM<sup>+</sup>20, ART<sup>+</sup>20, ABK<sup>+</sup>22, AS24b, BM20,  
 BB24a, BFI<sup>+</sup>21, BIK<sup>+</sup>21, CK20a, CCL<sup>+</sup>22, DH22, DLD<sup>+</sup>21, FXZT21,  
 FTG23, FPSZ21, GSNB22, HTH<sup>+</sup>20, HKY<sup>+</sup>21, KTKK25, KRC<sup>+</sup>20,  
 KKPC21, MEDT<sup>+</sup>23, MRT<sup>+</sup>22, MT23, NJSY22, NBCMH20, Nie22b, OCC23,  
 Par21, PPKK21, RDC<sup>+</sup>20, SVJ<sup>+</sup>24, SLDF<sup>+</sup>21, SZ24b, STRF<sup>+</sup>20, SJWL22,  
 WAN<sup>+</sup>22, Yan23, YKK<sup>+</sup>23a, YMCF23, ZRZ<sup>+</sup>21, ZGK<sup>+</sup>24]. **Lie** [FKS20].  
**LieART** [FKS20]. **lifetime** [LU21]. **lifetimes** [GTMB21]. **lifex** [AFB<sup>+</sup>24a].  
**lifex-cfd** [AFB<sup>+</sup>24a]. **ligand** [Ryd20]. **Light** [Hal21, LSNRD20, BKO20,  
 KOT23, MR22, MLD<sup>+</sup>22, MASFP25, YYZ<sup>+</sup>22]. **light-** [MLD<sup>+</sup>22].  
**lightweight** [RGS<sup>+</sup>21]. **like** [FN23, JHH<sup>+</sup>25, LHTP<sup>+</sup>24, Scr22a]. **likelihood**  
 [BC20]. **likelihoods** [AKW21]. **LIMAO** [SJY20, SJY18]. **limiters**  
 [VÁFG<sup>+</sup>22]. **LinApart** [CFSV25]. **Lindblad** [OEI<sup>+</sup>22]. **line** [Kut24, YJ24].  
**Linear** [HW22, KCJX24, ZJM<sup>+</sup>21, AGMFGE23, AIZ23, BB21, DNG<sup>+</sup>20,  
 FLW<sup>+</sup>23, GPM<sup>+</sup>21, HA23, HMSV23, LBS<sup>+</sup>23, MG22, Man24, NBC<sup>+</sup>24,  
 PAL<sup>+</sup>20, PBC<sup>+</sup>24, RVRT22, RAJ<sup>+</sup>24, SLB<sup>+</sup>23, SLZY21, SJY18, SJY20,  
 Yan21b, Yan24a, Zeb22]. **linear-** [SJY18, SJY20]. **Linear-scale** [KCJX24].  
**linearization** [FYW23]. **linearization-based** [FYW23]. **linearized**  
 [GMZ<sup>+</sup>20, HM24a, HM24b, KDK23, PPR<sup>+</sup>21]. **linearly** [Car25, CCW20].  
**linearly-implicit** [CCW20]. **lines** [MM23]. **Lion** [BFT20]. **Liouville**  
 [GBD<sup>+</sup>22]. **Liouville-Lanczos** [GBD<sup>+</sup>22]. **Liouvillian** [DEdM24]. **liquid**  
 [BCF<sup>+</sup>24, BMI23, RSD20, SRT<sup>+</sup>20, UO20, XZLX20, dSOZ22]. **liquids**  
 [MHÅ21, VCF22]. **LisbOn** [DdCAG23]. **LISE** [JRS<sup>+</sup>21]. **list** [Mar22].  
**lithium** [WXW<sup>+</sup>21]. **lived** [ADH<sup>+</sup>20]. **load**  
 [GSZK24, LWS<sup>+</sup>23, MLT<sup>+</sup>21, TPK<sup>+</sup>21, ZWZ<sup>+</sup>22, ZHZG23].  
**load-decoupling** [ZWZ<sup>+</sup>22]. **loads** [KD23]. **Local** [IPSW24, LY24a, DCZ23,  
 JLL<sup>+</sup>24, JRS<sup>+</sup>21, LTMK21, LW24, NVC20, PWD22, SKM<sup>+</sup>21, VPZH24].  
**localised** [MSHP20]. **locality** [VHBK21]. **localized**



[CF21, HLzY<sup>+</sup>20, Kor23, MSHP02]. **locally** [OKBM23, SBZ23, ZPL<sup>+</sup>24]. **locally-aligned** [SBZ23]. **locally-conformal** [OKBM23]. **logarithms** [ABB<sup>+</sup>22]. **logderivatives** [BTW20]. **logic** [AAG<sup>+</sup>24, KMN21]. **Long** [ADH<sup>+</sup>20, DL24, HG22, MP21]. **Long-lived** [ADH<sup>+</sup>20]. **long-range** [DL24, HG22]. **long-term** [MP21]. **loop** [ADC<sup>+</sup>21, AKK<sup>+</sup>24, FQRR22, HTK24, HQRR20, KKM<sup>+</sup>20, KM20, KMS20b, RUV20]. **loop-containing** [HTK24]. **loops** [LMWW24a]. **Lorentz** [FH22]. **Lorenzetti** [ABF<sup>+</sup>23b]. **Low** [Kub24, VPS23, CE22, CY24, CL22a, CJ21, Gar21, JS22, JDD<sup>+</sup>21, Kul20, LHG24, MD21, NYN<sup>+</sup>21, VV21, ZLLM23]. **low-density** [ZLLM23]. **low-dimensional** [CY24]. **low-dissipation** [Kul20]. **low-energy** [Gar21, NYN<sup>+</sup>21]. **Low-mode** [Kub24]. **low-order** [CJ21]. **low-pressure** [JDD<sup>+</sup>21]. **Low-rank** [VPS23, CE22]. **low-speed** [LHG24]. **low-temperature** [VV21]. **lower** [RBV<sup>+</sup>22]. **lower-dimensional** [RBV<sup>+</sup>22]. **lowest** [BKG<sup>+</sup>23]. **lowest-order** [BKG<sup>+</sup>23]. **lp** [FLW<sup>+</sup>23]. **lubrication** [NLS24, SLC<sup>+</sup>22]. **luminescence** [TR22]. **luminosity** [Ada22]. **LWR** [NL23b].

**M** [Xav22, LM22]. **M-CHIPR** [Xav22]. **m-NLP** [LM22]. **M1** [LMMP23]. **M3D** [ZJM<sup>+</sup>21]. **M3D-C1** [ZJM<sup>+</sup>21]. **MAAT** [AMP<sup>+</sup>21]. **Mach** [MA24]. **Machine** [CWG<sup>+</sup>21, TGGC23, VEHCM21, AYB24, AUO<sup>+</sup>22, CK20b, CZWE23, HPRS23, HJM<sup>+</sup>20, KRJ23, KHR<sup>+</sup>23, LAC21, LCL<sup>+</sup>23, MGG<sup>+</sup>20, MYKC23, MPN<sup>+</sup>21, RBV<sup>+</sup>22, SE24, SKS24, ST23b, TV24, TSV<sup>+</sup>25, TAGC22b, TVSM25, UD24, WAET22, YBZ<sup>+</sup>25, YM21]. **machine-learned** [MYKC23, RBV<sup>+</sup>22, TVSM25]. **machine-learning** [LCL<sup>+</sup>23, MGG<sup>+</sup>20, MPN<sup>+</sup>21, SKS24]. **machines** [WWDWM20]. **macro** [KWB<sup>+</sup>25]. **macro-** [KWB<sup>+</sup>25]. **macromolecular** [KDHL23]. **macroscopic** [PMSHG23]. **made** [AMK24, GFH23]. **MADHAT** [BHK<sup>+</sup>21]. **MADWAVE3** [RdMS25]. **MAELAS** [NAZ<sup>+</sup>22, NAZ<sup>+</sup>21]. **MAFIA** [MRG22]. **MAFIA-MD** [MRG22]. **MagGene** [ZZ21b]. **magnet** [HK24]. **magnetic** [AIZ23, BTK24, BM22, BKO20, CNB<sup>+</sup>23, DVB<sup>+</sup>25b, DVB<sup>+</sup>25a, DKRSR22, GO23, GBS<sup>+</sup>20, HHVB21, LL23, LGBJ20, LZYY23, LU21, LHTP<sup>+</sup>24, MZD<sup>+</sup>20, MASFP25, NRG22, NRG24, PTD20, RMR<sup>+</sup>22, WLL<sup>+</sup>24, WMS<sup>+</sup>25, Yan21a, YYC<sup>+</sup>23, YC20, YKSH20, YLL<sup>+</sup>22, YLP<sup>+</sup>24, ZYLY22, ZYL<sup>+</sup>23, ZZ21b, ZWL25]. **magnetic-field-** [LGBJ20]. **MagneticKP** [ZYL<sup>+</sup>23]. **MagneticTB** [ZYLY22]. **magnetism** [GOCSS<sup>+</sup>23]. **magnetized** [BXW<sup>+</sup>25, LLG<sup>+</sup>24, KOF21, MMP20, NJT24, sXBkB<sup>+</sup>22, ZSqXY21]. **Magneto** [VGGP<sup>+</sup>21, DIAA21, NAZ<sup>+</sup>22, WDMZ24, NAZ<sup>+</sup>21]. **magneto-elastic** [NAZ<sup>+</sup>22, NAZ<sup>+</sup>21]. **magneto-hydrodynamic** [WDMZ24]. **magneto-optical** [DIAA21]. **Magneto-thermal** [VGGP<sup>+</sup>21]. **magnetocrystalline** [SK24]. **magnetohydrodynamic** [CEKR24, FLS25, MGX24]. **magnetohydrodynamics** [LJQ<sup>+</sup>22, LMMP23, SMA24]. **magnetostatics** [ALB22]. **maintainability** [LTT<sup>+</sup>24]. **MAISE** [HTS<sup>+</sup>21]. **major** [WMA<sup>+</sup>22]. **Majorana** [WPMK21].



**MAM** [RCH24]. **MAM-STM** [RCH24]. **Mammography** [BSG<sup>+</sup>21]. **MAN** [WAYL23]. **management** [CCC20, LYZL24]. **manifold** [LJQ<sup>+</sup>22]. **manifolds** [CB23, XQ21]. **manipulation** [Ols23]. **manufacturing** [SYFT23]. **Many** [GBJ<sup>+</sup>21, SDL<sup>+</sup>21, AJDS<sup>+</sup>21, ATRD21, DC22, DG25, IYP<sup>+</sup>25, MAJ20, NA20, OGL<sup>+</sup>21, PPKK21, RMM21, WS20, Xav22, XBL<sup>+</sup>20]. **many-** [OGL<sup>+</sup>21]. **Many-Body** [GBJ<sup>+</sup>21, ATRD21, DC22, DG25, IYP<sup>+</sup>25, MAJ20, PPKK21, RMM21, XBL<sup>+</sup>20]. **Many-core** [SDL<sup>+</sup>21]. **many-dimensional** [NA20]. **many-electron** [AJDS<sup>+</sup>21]. **manybody** [CT23]. **manycore** [RL21]. **map** [SRML20]. **Maple** [JWK<sup>+</sup>21, PMS20b]. **mapped** [MPSK21]. **mapping** [LLL<sup>+</sup>24a, SFC20, Zeb22]. **March** [Ano20u, Ano21t, Ano22t, Ano23t, Ano24t, Ano25f]. **marine** [YP24]. **Markov** [HSMR<sup>+</sup>24, MMM23]. **MARLEY** [Gar21]. **Marlics** [dSOZ22]. **MaRTIn** [BHSS25]. **MARTY** [UMA21]. **MASAP** [KRL<sup>+</sup>24]. **Mask** [CQS<sup>+</sup>24]. **mass** [KAB<sup>+</sup>21, Kub24, LM23, MP21, MLD<sup>+</sup>22, MDDI21, PC21, RTRB21]. **masses** [ABD<sup>+</sup>23, Efr23, HLM22]. **Massive** [SRML20, KKPC21, LYZL24, YKK<sup>+</sup>23a, BHSS25]. **Massively** [COP<sup>+</sup>24, FWL<sup>+</sup>24a, FASM24, KHR<sup>+</sup>23, AS24b, BBH<sup>+</sup>24, CHY<sup>+</sup>24, Cos22, DMS<sup>+</sup>22, KMM21, KSC<sup>+</sup>23, MDR<sup>+</sup>20, RYS<sup>+</sup>24, ZAW<sup>+</sup>21]. **Massively-parallel** [KHR<sup>+</sup>23]. **massless** [RUV20]. **Master** [FFLR20, ZXT22, ZXT23, BB24b]. **Master-field** [FFLR20]. **matched** [NTO24, OKBM23, Pöt20]. **matching** [HLM22, LLL<sup>+</sup>24a]. **material** [ASPD<sup>+</sup>21, DCRF23, DGHA25, MRH<sup>+</sup>23, MVF20, MYKC23, MYM<sup>+</sup>22, NYN<sup>+</sup>21, PP23, PFG22, Sij23, TRB20b, XLFL25, YGSW21]. **Materials** [AMP<sup>+</sup>21, SLL<sup>+</sup>21, AMK24, CL20, CHY<sup>+</sup>24, EGKH24, EL24, Eku24, GLN23, HZ24, HTL<sup>+</sup>22, HJM<sup>+</sup>20, KSM<sup>+</sup>25, KKB<sup>+</sup>24, LGZ<sup>+</sup>25, LDGN24, LCB25, ONH<sup>+</sup>20, PP24, PB23, RMCC22, SA23, SLDF<sup>+</sup>21, TAB<sup>+</sup>22, TLC<sup>+</sup>21, TQGE23, UÁEPGBP24, VPZH24, VMRFC23, WWB22, WLL<sup>+</sup>24, WLF<sup>+</sup>24, YNV22, YNV23, YTC<sup>+</sup>20, YLH<sup>+</sup>20, ZYLY22, ZGZW23, ZWC22]. **Mathematica** [ABBD23, ABFP24, Ber24, Bzo21, FKS20, Fon21, Hid21, HCP20, LM23, PSW23, Tor20, Xav22]. **mathematical** [TRB20b, WLCY25]. **Mathematics** [CB23]. **MATLAB** [CR20, JZW<sup>+</sup>22, YJ24, dMMLOS20, KMBP24]. **matrices** [CGV<sup>+</sup>22, Fis24, HT24, MMM23, MRT<sup>+</sup>22]. **Matrix** [WBvdH20, BGH22, BFCR24, BAB<sup>+</sup>20, CPL21, CCC20, DL24, FMCB<sup>+</sup>20, KIK20, Kut24, MBG<sup>+</sup>20, QJ21, RZ23, RMFB23, SLZY21, SKM<sup>+</sup>21, XFGS24]. **matrix-product-state** [SKM<sup>+</sup>21]. **matsubara** [BL25, EML22]. **Matter** [Pag24a, ABB<sup>+</sup>24a, BRHT21, Cel24, Jab22b, Jab24, LSZ23, May21, MHK24b, NBS<sup>+</sup>20, Pag24b, PAM24, PIFPA<sup>+</sup>25, Sch21, UAS22, BCD<sup>+</sup>21, GUAD22, OBC<sup>+</sup>24]. **MAU** [CY24]. **MAX** [FLW<sup>+</sup>23]. **MAXIM** [YR21]. **maximal** [JP24]. **maximally** [Kor23]. **maximally-localized** [Kor23]. **maximization** [AS24a]. **maximize** [MRT<sup>+</sup>22]. **Maxwell** [DGM20, GLB<sup>+</sup>21, KMD<sup>+</sup>21, LW24, LLH<sup>+</sup>21b, MOV21, PMK<sup>+</sup>23, PW25,



QWZ<sup>+</sup>21, RJ21, YZW21, YKY<sup>+</sup>22, ZLL<sup>+</sup>24]. **Maxwellian** [BXW<sup>+</sup>25]. **May** [Ano20v, Ano21u, Ano22u, Ano23u, Ano24u]. **maze** [Ryd20]. **mbsolve** [RJ21]. **MCBTE** [PPR<sup>+</sup>21]. **MCC** [WXX24]. **MCEND** [UAWW25]. **MCGPU** [HLMB24]. **MCGPU-PET** [HLMB24]. **MCMC** [HL21]. **MCMC-based** [HL21]. **MCNNTUNES** [LAC21]. **MCNOX** [Hua24]. **mcrFOAM** [FXQS21]. **MCS** [NL23b, YLK<sup>+</sup>20]. **MD** [CLZ<sup>+</sup>21, MRG22]. **MD2D** [LN23]. **mdapy** [WS23]. **Mead** [PP23]. **Mean** [SHW<sup>+</sup>21, BN20, BN23, Gag25]. **mean-field** [BN20, BN23]. **means** [Kul20, SJ20, UZB22]. **measure** [DRSZ23]. **measurement** [HTN21, MPSK21, WBF<sup>+</sup>24]. **measurements** [KAB<sup>+</sup>21, MYM<sup>+</sup>22]. **measuring** [HPP23]. **mechanical** [EL24, LZP<sup>+</sup>24, Ols23, SLDF<sup>+</sup>21]. **mechanically** [KvdW20]. **Mechanics** [Sha21, LYZL24]. **Mechanics-oriented** [Sha21]. **mechanism** [Kar22, LLY<sup>+</sup>22]. **mechanisms** [DIKSN24, FBC<sup>+</sup>21, KDIN<sup>+</sup>23, RAJ<sup>+</sup>24]. **mechanistic** [XLG<sup>+</sup>23]. **MechElastic** [SLDF<sup>+</sup>21]. **media** [BVV22, CPG<sup>+</sup>25, Hoh24, LLH<sup>+</sup>21b, MS24, OSK<sup>+</sup>21, SFS22, WZC21, XFH<sup>+</sup>22, YCCW23, YLLW24, ŽTR<sup>+</sup>22]. **Medical** [GSM<sup>+</sup>22, GOS<sup>+</sup>22]. **medium** [DRZ<sup>+</sup>21, Roh22, Tan23]. **Meek** [MHÅ21]. **MELASA** [FLK<sup>+</sup>20]. **melt** [CZY20, WXZ<sup>+</sup>24]. **Melting** [YLP<sup>+</sup>24]. **membrane** [ZBS<sup>+</sup>23]. **Memory** [MD21, EVMP20, LYZL24, MLT<sup>+</sup>21, ZWZ<sup>+</sup>22]. **Memory-efficient** [MD21]. **MemriSim** [ZGZ<sup>+</sup>25]. **memristors** [ZGZ<sup>+</sup>25]. **Menter** [VLS22]. **Mercedes** [ODU24]. **MercuryDPM** [OAP<sup>+</sup>24, WOP<sup>+</sup>20]. **merging** [BP21, DWD<sup>+</sup>24, LXY<sup>+</sup>21]. **Merlin** [ABK<sup>+</sup>22]. **mesh** [AMA<sup>+</sup>20, ASC<sup>+</sup>24, BBA<sup>+</sup>20, FXQS21, FAL20, FAL21, GKT<sup>+</sup>24, KKY24, LW24, MM23, NSY<sup>+</sup>23, PG23, SN23, SFBG20, SJP<sup>+</sup>21b, WDMZ24, YWK<sup>+</sup>24, ZDSS23, Zho23]. **mesh-adaptive** [SJP<sup>+</sup>21b]. **mesh-agglomeration** [FXQS21]. **mesh-free** [MM23]. **mesh-less** [AMA<sup>+</sup>20]. **mesh-refined** [LW24]. **meshes** [CS22a, KSF<sup>+</sup>22, PGYF21, PD23, RVRT22, TGBM22]. **meshing** [LR25, RSHS24]. **meshless** [JLL<sup>+</sup>24]. **meso** [TAB<sup>+</sup>22]. **Meson** [AEG<sup>+</sup>25, KL23a]. **mesoscale** [AALK20]. **metal** [CXCZ23, CLZ<sup>+</sup>21, SRK<sup>+</sup>24]. **metallic** [GC25]. **metals** [CWG<sup>+</sup>21, HM24a, HM24b, MOV21]. **metamaterials** [LW24, WLCY25]. **metastructures** [HSA22]. **metasurface** [KL23b, YWM23]. **Metasurfaces** [YR21]. **Metasurfaces-oriented** [YR21]. **Method** [MD21, PLT<sup>+</sup>23, RLW<sup>+</sup>24, STA20, ZTV<sup>+</sup>24, AL24, AUEO24, AMA<sup>+</sup>20, ATC<sup>+</sup>23, BA24, BCHE21, BN20, BND22, BN23, BS25, BDdM20, Car25, ČPF<sup>+</sup>24, CHA21, CJZ21, CHY<sup>+</sup>24, CL21, CMS24, CB20, CF21, CLEPF23, CCW20, CJZ25, DZZ21, DCZ23, FAZ24, FJ22, FLW<sup>+</sup>23, FBMD20, FYM<sup>+</sup>22, GTE21, GLSH21, GRCT20, GTB24, GB20, GGCW24, HPY21, HPAW21, HTL<sup>+</sup>22, HFP21, HKY<sup>+</sup>21, HA21, HJGL22, HGS20, IHWG24, JKSY22, JĎD<sup>+</sup>21, KKLZ23a, KBB21, KSJ<sup>+</sup>22, KR23, KL23b, KFC<sup>+</sup>20, KMD<sup>+</sup>21, KYH24, Kut20, LEE<sup>+</sup>21a, LBM<sup>+</sup>23, LKP21, LKK23, LXY<sup>+</sup>21, LKP24, LJC<sup>+</sup>25, LF24, LLL24b, LLZ<sup>+</sup>22, LJH<sup>+</sup>23, LS22, LDGN24, LMHUR23,



LVMGF<sup>+</sup>23, LY24b, LNB23, LLL25, MWJL23, MSH22, MBG<sup>+</sup>20, MZL<sup>+</sup>24, MZL<sup>+</sup>21, MSM24, MVAXP22, MOV21, MCP23, MRD23, MASFP25, MNS<sup>+</sup>24, NG21, Och23a, Och23b, ONH<sup>+</sup>20, OKBM23, PB23, PWD22, QCZ23, RBV<sup>+</sup>22, RC23, RV20, RV21, RCW<sup>+</sup>20]. **method** [RVRT22, RCS21, SFBG20, SJP<sup>+</sup>21b, SLZY21, SXYD24, SNG20, SLC<sup>+</sup>22, SCMP<sup>+</sup>22, SCR<sup>+</sup>22b, SAC<sup>+</sup>21, SS21b, SW25, TCD20, TTM22, TS23, TLC<sup>+</sup>21, TPCT22, TÁFAB<sup>+</sup>24, eSdSBST21, WZZS21, WZC21, WWM<sup>+</sup>22, WLCY25, WA21, WWS<sup>+</sup>25, WLCF21, WLL22, WXZH24, WPMK21, WS20, WVK21, WNS<sup>+</sup>21, WYZZ23, XDF20, XSL<sup>+</sup>22, XFH<sup>+</sup>22, XPF<sup>+</sup>24, XLKX21, YT23, YS22, YWM23, YSX<sup>+</sup>20, YC20, YXX<sup>+</sup>21, YZHL22, YKK23b, YJ24, ZMN<sup>+</sup>24, ZPZH20, Zha20, ZPL<sup>+</sup>24, ZYML24, ZZ21a, ZYX21, ZYX22, ZS24, ZWL25, Zho23, ZHM21, ZLS<sup>+</sup>22, ASC<sup>+</sup>21, GSL24, LMHUR23]. **method-based** [KR23]. **Methodology** [SCMP<sup>+</sup>22, WBF<sup>+</sup>24, WZK<sup>+</sup>24, CML<sup>+</sup>24, SFKC22]. **Methods** [LSNRD20, AYB24, BBV<sup>+</sup>22, BCGT24, CL20, CJ21, DGM20, ELSV24, FYW23, GCWZ20, HAM<sup>+</sup>20a, HWL<sup>+</sup>23, HWZ24, IKM<sup>+</sup>24, JMOC21, KAB<sup>+</sup>21, KSF<sup>+</sup>22, KLMU21, KFC<sup>+</sup>20, KvH21, KKB<sup>+</sup>25, LHG<sup>+</sup>20, LH22, LH24, MGX24, MCB<sup>+</sup>20, NCF<sup>+</sup>23, PMK<sup>+</sup>23, PLL24, PAL<sup>+</sup>20, PM21, SL22, SLZ<sup>+</sup>24, SKM<sup>+</sup>21, SDBS24, UZB22, VPS23, WXZ<sup>+</sup>24, YLIO22, YBZ<sup>+</sup>25, YZW21, YWTK23, YK21b, YZZ<sup>+</sup>23, ZYXC24, ZDW<sup>+</sup>24]. **Metric** [BTW20]. **metrology** [CDD22, HTN21]. **Metropolis** [SJ20]. **MeV** [Pos22, SCA<sup>+</sup>24]. **MFC** [BSC<sup>+</sup>21]. **MFDFA** [GHKW22]. **MGOS** [KRC<sup>+</sup>20]. **MHD** [CK23, FMBD22, MG22, PCB<sup>+</sup>25, SDXY23, TKS22, TWR21]. **MHFEM** [SFS22]. **Mi3** [HL21]. **Mi3-GPU** [HL21]. **Micro** [LLY<sup>+</sup>22, CQS<sup>+</sup>24, KWB<sup>+</sup>25]. **micro-kinetic** [KWB<sup>+</sup>25]. **microfluidics** [AALK20]. **micromagnetic** [RMR<sup>+</sup>22, SE24]. **micromagnetics** [PRS<sup>+</sup>20]. **micrOMEGAs** [ABB<sup>+</sup>24a]. **micron** [LU21]. **microparticles** [DHK<sup>+</sup>21, KT23]. **microplastics** [GRP<sup>+</sup>25]. **microrheology** [DG20]. **microscale** [KM23, MEC<sup>+</sup>24, SMKL25]. **microscope** [KLD<sup>+</sup>21]. **Microscopic** [Gul20, YYC<sup>+</sup>23]. **microscopy** [AUO<sup>+</sup>22, DG20, HGS20, OYG<sup>+</sup>24]. **microstructure** [CY24]. **microstructures** [EGLK20]. **Migration** [Gro22]. **million** [LWC<sup>+</sup>21, RZ23]. **MiMeS** [Kar22]. **Minimal** [AAT<sup>+</sup>20, AKK<sup>+</sup>24, AAT<sup>+</sup>14, KKM<sup>+</sup>20, LXY<sup>+</sup>21, May21, SSH<sup>+</sup>23, STRF<sup>+</sup>20, KM20]. **minimal-lagrangians** [May21]. **minimisation** [PGS<sup>+</sup>24]. **minimization** [IJVJ21, IUJ21, SE24, SAS20, SAN24]. **minimum** [NA20]. **Minkowski** [BMT23]. **Minnesota** [ZXT22, ZXT23]. **minor** [EGKH24]. **Mirheo** [AALK20]. **Misalignment** [Kar22]. **missions** [GSL<sup>+</sup>23]. **MISTER** [COW24]. **MISTER-T** [COW24]. **mitigate** [MD20a]. **MiTMoJCo** [Gul20]. **MITNS** [KOF21]. **Mittag** [CLEP24]. **Mittag-Leffler** [CLEP24]. **mixed** [LHC20]. **mixing** [Nog21a, NVCS23]. **mixtures** [LM21a, LB24, SLK23, ZLLM23]. **ML** [LNP<sup>+</sup>24, YBZ<sup>+</sup>25]. **MLAnalysis** [GFD<sup>+</sup>24]. **MLQD** [UD24]. **mobile** [LLC<sup>+</sup>23]. **mobility** [MMC<sup>+</sup>21]. **MOC** [LLZ<sup>+</sup>23, WLL22]. **MOCOKI** [BB21]. **Modal** [WAYL23, KL23b]. **mode**



[BDK<sup>+</sup>23, Kub24, YKJ<sup>+</sup>24, ZMN<sup>+</sup>24, ZJM<sup>+</sup>21]. **Model**  
 [BHK<sup>+</sup>21, DPR<sup>+</sup>20, DRR<sup>+</sup>24, Gul20, RBV<sup>+</sup>22, ASU<sup>+</sup>21, AFJ<sup>+</sup>23, AHM<sup>+</sup>23, BCHE21, BGW<sup>+</sup>22, BB21, Bav24, BTK24, BCTS22, CFLR24, CL20, CZY20, CKT21, Dau23, DB24, DRB22, EMB<sup>+</sup>25, ET24, FJ22, FASM24, FBA<sup>+</sup>20, GSZK24, GRP<sup>+</sup>25, GTB24, HLCD20, JLW24, JPJ<sup>+</sup>23, KKS24, KPJ24, KLD<sup>+</sup>21, KDK23, KM23, KW23, KAS24, LL23, LLH21a, LY24a, LZZ<sup>+</sup>25, LGK<sup>+</sup>22, MMC<sup>+</sup>21, MHK24a, May21, MBCC23, NYN<sup>+</sup>21, NLS24, NRG24, ODU24, OBL<sup>+</sup>21, RZY<sup>+</sup>24, RBFB20, SYFT23, SKYQ21, SZY<sup>+</sup>22, SZ23, SOH<sup>+</sup>23, SJWL22, SW23, TKS22, TCY<sup>+</sup>21, TCY23, TPK<sup>+</sup>21, TPCT22, TNL<sup>+</sup>22, VLS22, VEHC21, WZZ<sup>+</sup>23, WYT23, WZC<sup>+</sup>24, YZL<sup>+</sup>23, YBZ<sup>+</sup>25, YYH21, YK21a, YX24, YML<sup>+</sup>24, YWX<sup>+</sup>23, ZYLY22, ZGW20, ZSqXY21, Bie21, DDM20, HQRR20, KM20, KMS20b, MAJ20, UMA21].  
**Model-Agnostic** [BHK<sup>+</sup>21]. **ModelFLOWS** [HCAH<sup>+</sup>24].  
**ModelFLOWS-app** [HCAH<sup>+</sup>24]. **Modeling** [BB24b, CdBMM25, RSHS24, Sha21, YD20, AHP21, AG21, ART<sup>+</sup>20, BFL<sup>+</sup>22, CB25, CCW24, CFW<sup>+</sup>23, CML<sup>+</sup>24, CQS<sup>+</sup>24, EGLK20, FA20a, FLK<sup>+</sup>20, GUW<sup>+</sup>22, GJW24, GB24, HSB<sup>+</sup>24, HyLF23, HRG<sup>+</sup>22, JYL<sup>+</sup>23, KRE22, KNJ<sup>+</sup>23, LMX<sup>+</sup>21, LZF<sup>+</sup>24, LSF23, LFL<sup>+</sup>24, MK22, MHK24b, MMV<sup>+</sup>24, MYKC23, MT23, MOMO24, MOMO25, NRKA22, NI22, NLS24, PMA<sup>+</sup>21, PG23, RCX24, RRC<sup>+</sup>24, SFKC22, SRS<sup>+</sup>25, SRT<sup>+</sup>25, SMC<sup>+</sup>22, TAB<sup>+</sup>22, VB22b, WXZ<sup>+</sup>24, WLZ<sup>+</sup>24, WLCY25, XZYS25, Yev21, YMCF23, ZGZW23, ZKZ<sup>+</sup>24, ZHZ<sup>+</sup>23].  
**modelling**  
 [BVV22, DRM20, HCAH<sup>+</sup>24, LS21a, MBG<sup>+</sup>20, MVAXP22, Org22, OXOG23, TDR<sup>+</sup>20, TRB20b, WNS<sup>+</sup>21, WSK<sup>+</sup>22, Yan23, YP24, Yan24b]. **Models**  
 [GFH23, RMR<sup>+</sup>22, AKK<sup>+</sup>24, AES21, BRAC23, CZWE23, CSBF23, EVMP20, FSM24, FA21, GZW20, GHK20, HTS<sup>+</sup>21, HSMR<sup>+</sup>24, Jab24, KPR<sup>+</sup>24, KWB<sup>+</sup>25, KC21, KVSC21, LLC<sup>+</sup>23, LSS24, Mau20, MD22, MPH<sup>+</sup>24, MDDI21, NRK<sup>+</sup>21, OYG<sup>+</sup>24, OSE<sup>+</sup>20, PCL24, PBC<sup>+</sup>24, RDZ<sup>+</sup>20, SZ24a, SBG23, SKM<sup>+</sup>21, YWTK23, YM21, YKYK23, ZWC<sup>+</sup>20, ZYL<sup>+</sup>23, Zho23].  
**moderate** [GOST23]. **moderate/large** [GOST23]. **modern**  
 [EOR21, FFTV23, HAM<sup>+</sup>20a, UMA21]. **modernization** [VXT<sup>+</sup>23]. **modes**  
 [HRU22, JGJ20, WPMK21]. **modification** [BGW<sup>+</sup>22]. **Modified**  
 [FA20a, BCGT24, HLCD20, YK21a, YWK<sup>+</sup>24]. **modular**  
 [GRCT20, MOMO24, MOMO25, PAM24, SC20, WKJB23]. **modulation**  
 [MNS<sup>+</sup>24, SBG23]. **module** [BGHC23, GK21, GGH<sup>+</sup>25, GBJ<sup>+</sup>21, GSM<sup>+</sup>22, GOS<sup>+</sup>22, HYL<sup>+</sup>22, LN23, MKPW21, MKPW22, MEH21, SRT<sup>+</sup>25, WMSG24].  
**modules** [BDR<sup>+</sup>20, MASFP25]. **moieties** [RCH24]. **Moiré** [NNMJ22].  
**Molecular** [GJW24, LWC<sup>+</sup>21, MKPW21, MKPW22, MRG22, PIFPA<sup>+</sup>25, SOH<sup>+</sup>23, AHM<sup>+</sup>23, BDC<sup>+</sup>25, Bag22, BMREC21, BCTS22, BFG24, CMJC21, CGR21, CDT22, DTGE21, DL24, FGCN<sup>+</sup>21, GDS<sup>+</sup>21, Ham20b, HyLF23, KHR<sup>+</sup>23, KRC<sup>+</sup>20, KMM21, KLM<sup>+</sup>22, LN23, LZF<sup>+</sup>24, LVMGF<sup>+</sup>23, MES<sup>+</sup>24, MHK24b, MBCC23, NBC<sup>+</sup>24, ODU24, Ols23, PCS<sup>+</sup>20, RZY<sup>+</sup>24, SMO<sup>+</sup>20a, SKC21, SC22, SSD<sup>+</sup>22, SZNW23, TCSD24, TRB<sup>+</sup>20a, VCF22, VXT<sup>+</sup>23, VvBTH20, Wor20, WS23, ZHI23, ZJS<sup>+</sup>20, YD20]. **molecule**



[PRR23, PNL<sup>+</sup>24, SHRK22, Xav22]. **molecules**  
 [BGHC23, BFMA<sup>+</sup>24, BAB<sup>+</sup>20, Hua24, IYP<sup>+</sup>25, KSG22, MBJB24, MBG<sup>+</sup>20, NI22, RZY<sup>+</sup>24, RV20, RV21, SJP21a, SMB20, TRN<sup>+</sup>24, ZLMH23]. **MolSSI**  
 [BMREC21]. **MolTwister** [Ols23]. **Moment**  
 [SJP<sup>+</sup>21b, CFW<sup>+</sup>23, HFP21, PLF20]. **Moment-preserving** [SJP<sup>+</sup>21b].  
**moments** [Ume22, LMHUR23]. **momentum**  
 [CCW20, CWJ21, JDS20, KPST21, Pöt20, ST23a, WJB21]. **monitor**  
 [Ada22]. **monodisperse** [KAG24]. **monokinetic** [LMHL20]. **Monte**  
 [DVB<sup>+</sup>25b, Kal20, ABGD<sup>+</sup>20, ASPDL<sup>+</sup>21, ACD<sup>+</sup>22, AJW<sup>+</sup>21, BRAC23, BB21, BCF<sup>+</sup>24, BKO20, BKS24b, BIK<sup>+</sup>21, BKBL22, BKG<sup>+</sup>23, CCM20, CRZ25, CCW<sup>+</sup>25, DRSZ23, DDM20, DdCAG23, DVB<sup>+</sup>25a, ELSV24, FXQS21, GJA21, GAGO21, GHK20, HT24, HLMB24, HQF<sup>+</sup>20, Hua23, HSMR<sup>+</sup>24, Ilt21, JWW<sup>+</sup>23, JKKN23, KOT23, Kol22, Kol23, LEE<sup>+</sup>24, LMWW24b, LAC21, LTMK21, LS24, LGZ<sup>+</sup>25, LLL24b, LC24, LHWX24, MMM23, Mil25, MT23, NL23b, Nie22a, OBL<sup>+</sup>21, PAZ<sup>+</sup>22, PLT<sup>+</sup>23, PYT<sup>+</sup>24, PPR<sup>+</sup>21, PC21, RSC<sup>+</sup>22, RCB21, Roh22, SNP<sup>+</sup>20, SJP<sup>+</sup>21b, SHS22, SNG20, SLIC24, TAY<sup>+</sup>24, WAN<sup>+</sup>22, WSRO24, WZPW20, YLK<sup>+</sup>20, ZHS<sup>+</sup>20, ZDLS21].  
**Monte-Carlo**  
 [BKS24b, BKG<sup>+</sup>23, GAGO21, JDD<sup>+</sup>21, RCB21, SJP<sup>+</sup>21b, ZDLS21].  
**MOOSE** [GGH<sup>+</sup>25]. **morphology** [ANU21, RDZ<sup>+</sup>20]. **mosaic** [SPF21].  
**Moshinsky** [Efr21b, FHD25]. **most** [PRR23]. **motion**  
 [GSV23, NJT24, ZHM21, dVAR<sup>+</sup>24]. **movements** [GTE21]. **moves** [Mil25].  
**moving** [FH22, HMR22, MZL<sup>+</sup>24, MDZ24, SW25, TCSA21, WDMZ24].  
**moving-grid** [TCSA21]. **MP** [FN23]. **MP-CITDSE** [FN23]. **MPI**  
 [LYZL24, YW21, ZHZG23]. **MPI-based** [ZHZG23]. **MPI-CUDA** [YW21].  
**MPS** [eSdSBST21, XFGS24]. **MPS-VQE** [XFGS24]. **MQCT**  
 [MBJB24, SMB20]. **mqdtfit** [Pot24]. **MRADSIM** [ACKB23].  
**MRADSIM-Converter** [ACKB23]. **ms2** [FGCN<sup>+</sup>21]. **MSGCorep**  
 [LZYY23]. **MSSM** [BHH<sup>+</sup>20, KMU<sup>+</sup>23]. **MSTor** [CZB<sup>+</sup>23]. **MTASpec**  
 [KSG22]. **MTP** [MPN<sup>+</sup>21]. **MTP/ShengBTE** [MPN<sup>+</sup>21]. **muffin**  
 [PAL<sup>+</sup>20]. **muffin-tin** [PAL<sup>+</sup>20]. **MuFinder** [HHMH<sup>+</sup>22]. **Multem**  
 [SLL<sup>+</sup>24]. **Multi** [CZX<sup>+</sup>21, CJD<sup>+</sup>20, DS22, DKM<sup>+</sup>24, HZ24, JWW<sup>+</sup>23, LLC<sup>+</sup>23, LR25, MDDI21, OCK<sup>+</sup>24, ADC<sup>+</sup>21, AG21, BXW<sup>+</sup>25, BP21, BSC<sup>+</sup>21, BW23, CZ21, CTZW23, COW24, CFW<sup>+</sup>23, Cos22, DRZ<sup>+</sup>21, DFU20, EGLK20, FJ22, FRN<sup>+</sup>23, GDS<sup>+</sup>21, GDJG23, GNP20, HPY21, HSA22, KMM21, KDK23, KMD<sup>+</sup>21, KMG<sup>+</sup>20, LLL<sup>+</sup>24a, LSS<sup>+</sup>25, LSS24, MVK<sup>+</sup>24, MBC<sup>+</sup>24, MHK24b, MPH<sup>+</sup>24, Nor23, OGL<sup>+</sup>21, PMK<sup>+</sup>23, PWD22, PG23, RMR<sup>+</sup>22, RBWD<sup>+</sup>25, RZ23, SNP<sup>+</sup>20, SPMS23, Sij23, SW25, TPCT22, WZPW20, Xav22, XLL<sup>+</sup>22, XPF<sup>+</sup>24, XLFL25, Yan21a, YFL22, YKK<sup>+</sup>23a, YKK23b, ZPZH20, ZW20, ZRZ<sup>+</sup>21, FLK<sup>+</sup>20].  
**multi-architecture** [Nor23]. **multi-block** [Cos22, LSS<sup>+</sup>25]. **multi-center**  
 [GDS<sup>+</sup>21]. **Multi-component** [DKM<sup>+</sup>24, BSC<sup>+</sup>21]. **multi-core**  
 [KMM21, OGL<sup>+</sup>21]. **multi-dimensional** [KMD<sup>+</sup>21, PMK<sup>+</sup>23, WZPW20].  
**multi-direct-forcing** [ZPZH20]. **multi-electron** [COW24]. **multi-field**



[GNP20]. **multi-fluid** [MPH<sup>+</sup>24, PG23]. **multi-function** [CZ21].  
**Multi-GPU** [DS22, OCK<sup>+</sup>24, DRZ<sup>+</sup>21, DFU20, EGLK20, HPY21, MVK<sup>+</sup>24, MBC<sup>+</sup>24, MHK24b, SW25]. **multi-GPU-based** [YKK<sup>+</sup>23a].  
**multi-GPUs** [WZPW20, ZW20]. **multi-grid** [BW23]. **multi-group** [Sij23].  
**multi-harmonic** [LSS24]. **multi-ion-species** [SNP<sup>+</sup>20]. **multi-jet** [BP21].  
**multi-loop** [ADC<sup>+</sup>21]. **multi-material** [Sij23, XLFL25]. **multi-million** [RZ23]. **multi-moment** [CFW<sup>+</sup>23]. **Multi-objective** [CZX<sup>+</sup>21, HZ24, KMG<sup>+</sup>20, SPMS23]. **multi-orbital** [PWD22]. **multi-phase** [BSC<sup>+</sup>21, LLL<sup>+</sup>24a, FLK<sup>+</sup>20]. **Multi-photon** [JWW<sup>+</sup>23]. **multi-physical** [YFL22, YKK23b]. **Multi-physics** [LLC<sup>+</sup>23, AG21, FRN<sup>+</sup>23, GDJG23, XLL<sup>+</sup>22, XPF<sup>+</sup>24, ZRZ<sup>+</sup>21].  
**multi-qubit** [RBWD<sup>+</sup>25]. **Multi-Rate** [MDDI21]. **multi-region** [Yan21a].  
**multi-resolution** [ZRZ<sup>+</sup>21]. **multi-scale** [BSC<sup>+</sup>21, CTZW23, FJ22, TPCT22]. **Multi-species** [CJD<sup>+</sup>20, BXW<sup>+</sup>25, KDK23]. **multi-stable** [HSA22]. **multi-state** [Xav22].  
**multi-term** [LSS24]. **Multi-threaded** [LR25, AG21]. **multi-timescale** [RMR<sup>+</sup>22]. **multicenter** [HG22]. **multichannel** [Kof23, Pot24]. **Multicolor** [Ume22]. **multiconfiguration** [LWS<sup>+</sup>23]. **multiconfigurational** [Hua24].  
**multicoordinate** [LKK23]. **multidimensional** [Bar22b, KMBP24, RBV<sup>+</sup>22, Yan24b]. **Multidisciplinary** [WKR23].  
**multielectron** [BAB<sup>+</sup>20]. **multifractal** [GHKW22]. **multigrid** [EVFRHR23, FKK<sup>+</sup>21, TS23, UJ21, YP24]. **multigroup** [MXH<sup>+</sup>24].  
**MultiHypExp** [Ber24]. **multilayered** [BVV22]. **multilayers** [LL23].  
**Multilevel** [ELSV24, YYY22, ZYLL24, WSR024]. **multiloop** [Lee21b, SMO25]. **multiobjective** [NCF<sup>+</sup>23]. **multiphase** [ABB<sup>+</sup>24b, CESD<sup>+</sup>23, FA20b, RLW<sup>+</sup>24, SPLD20, TO21, YCCW23].  
**Multiphysics** [ARLDG24, ABB<sup>+</sup>24b, MEDT<sup>+</sup>23, SPLD20, Zho23].  
**Multiple** [Jab22b, ZK20, Ber24, CCM20, CGSO20, DC22, JM24, KDHL23, ODR<sup>+</sup>22, PNL<sup>+</sup>24, SZ23, WA21, KOF21]. **Multiple-Ion** [KOF21].  
**multiple-thread** [PNL<sup>+</sup>24]. **multiply** [KMM21]. **multipole** [CB20, KKLZ23a, TCD20, WZC21, WVK21, YT23]. **Multipolynomial** [LMWW24b]. **Multiresolution** [DZF25, Din25, GP22, HWAA22].  
**Multiscale** [LWV20, PIFPA<sup>+</sup>25, SD24, AS24a, ABB<sup>+</sup>24b, FTZ<sup>+</sup>23, LFL<sup>+</sup>24, SGY24, Tan23, ZHZ<sup>+</sup>23]. **multistable** [MOA24]. **multistructural** [CZB<sup>+</sup>23]. **multithread** [Mag25]. **multithread-based** [Mag25].  
**Multithreaded** [LTMK21, LLR23]. **multiUQ** [TO21]. **multivariable** [ABFP24]. **multivariate** [AKL<sup>+</sup>21, BBH<sup>+</sup>24, Ber24, CY24, EBBB22].  
**MultivariateApart** [HvM22]. **multizone** [LLZ<sup>+</sup>23]. **MuMuPy** [UAS22].  
**MUNHECA** [EES24]. **munuSSM** [Bie21]. **muon** [BFI<sup>+</sup>21, EES24, HHMH<sup>+</sup>22]. **muon-nuclear** [BFI<sup>+</sup>21]. **muon-rich** [EES24].  
**muphy** [ARLDG24]. **MUSES** [SMA24]. **mVMC** [XOTI22]. **MXAN** [BDP<sup>+</sup>21]. **MXE** [MP21]. **MyElas** [WGGC22].

**N** [Haz23, NUK<sup>+</sup>22, VMRFC23, LNB23, SGM<sup>+</sup>20]. **N-on-Equilibrium**



[SGM<sup>+</sup>20]. **N-shaped** [LNB23]. **Nano** [SLIC24, WMA<sup>+</sup>22]. **Nano-**  
[SLIC24]. **nano-optics** [WMA<sup>+</sup>22]. **nanobem** [Hoh24, HRU22]. **nanodrop**  
[SD24]. **nanoheteroepitaxial** [DZZ21]. **NanoNET** [KVSC21].  
**nanoparticle** [CPG<sup>+</sup>25, WAK22]. **nanoparticles** [HT24]. **Nanophotonic**  
[HRU22, Hoh24]. **nanophotonics** [BFCR24]. **nanoporous** [XBL<sup>+</sup>20].  
**nanoscale** [KGN<sup>+</sup>21, MMM20, MP21, TRB20b]. **nanostructures**  
[PWC24, RZ23, SHS22]. **nanosystems** [MVK<sup>+</sup>24]. **nanowire** [CW22].  
**nanowires** [CSW24]. **native** [PIFPA<sup>+</sup>25]. **native-GPU** [PIFPA<sup>+</sup>25].  
**natural** [PM21, RSD20, SRT<sup>+</sup>20, SLE<sup>+</sup>22].  
**natural-orbital-functional-based** [PM21]. **Nauticle** [HT20]. **Navier**  
[MOMO25, WSK24, AWV24, BMS<sup>+</sup>23, DAC<sup>+</sup>23, HPY21, HWL<sup>+</sup>23, JM24,  
KSF<sup>+</sup>22, MOMO24, SvdW24, ZX23]. **nccrFOAM** [MEC<sup>+</sup>24]. **NCrystal**  
[CK20a, KC21]. **near** [UYS22, ZWZ<sup>+</sup>22]. **near-continuum** [ZWZ<sup>+</sup>22].  
**nearest** [WZC<sup>+</sup>24]. **nearshore** [TL20]. **NeatIBP** [WBM<sup>+</sup>24]. **neBEM**  
[DBM<sup>+</sup>24]. **NEBOAS** [MBF<sup>+</sup>24]. **needed** [Jab22a]. **neighbor** [WZC<sup>+</sup>24].  
**Nek5000** [MPS<sup>+</sup>24]. **NekMesh** [GKT<sup>+</sup>24]. **Nektar**  
[LBS<sup>+</sup>23, LIG<sup>+</sup>24, MCB<sup>+</sup>20]. **Nelder** [PP23]. **NEMOH** [KD23].  
**neoclassical** [SNP<sup>+</sup>20, YBZ<sup>+</sup>25]. **Nernst** [ZX23]. **NESSi** [SGM<sup>+</sup>20]. **net**  
[DH20, Pen24, ZLY24]. **Network**  
[LPSK20, BRAC23, BB24a, CDD22, CGZ<sup>+</sup>20, CY24, DRB22, ET24, FAZ24,  
HTS<sup>+</sup>21, KHKL24, LJC<sup>+</sup>25, LY24b, MM22, MOY<sup>+</sup>22, WZC<sup>+</sup>24, XLFL25,  
YKYK23, ZHI23, ZYML24, ZDW<sup>+</sup>24, ZJC<sup>+</sup>25]. **network-based** [LY24b].  
**Networks** [LY22, SWZ23, AM21b, BKS22, KKP22, LSF23, Pen24, RRC<sup>+</sup>24,  
Rod22, RPGG25, ZLY24, ZD25, vdHKB<sup>+</sup>23]. **Neural**  
[LY22, LPSK20, SWZ23, BRAC23, BB24a, BKS22, CGZ<sup>+</sup>20, CCW24,  
DRB22, ET24, FAZ24, HTS<sup>+</sup>21, KHKL24, KKP22, LJC<sup>+</sup>25, LSF23, LY24b,  
MM22, PCB<sup>+</sup>25, Pen24, RRC<sup>+</sup>24, Rod22, RPGG25, WZC<sup>+</sup>24, XLFL25,  
YKYK23, ZHI23, ZYML24, ZLY24, ZJC<sup>+</sup>25, ZD25, vdHKB<sup>+</sup>23, PCB<sup>+</sup>25].  
**neural-network** [WZC<sup>+</sup>24, XLFL25]. **Neural-Parareal** [PCB<sup>+</sup>25]. **neutral**  
[AZH<sup>+</sup>24, LLG<sup>+</sup>24, SLP<sup>+</sup>22, TKS22]. **Neutrino** [BBLB<sup>+</sup>25, Pag24a,  
AAA<sup>+</sup>21, AZH<sup>+</sup>24, AAG<sup>+</sup>20, ASW22, Gar21, KTF22, LMBH<sup>+</sup>24, Pag24b].  
**neutrino-nucleus** [AZH<sup>+</sup>24]. **Neutrinos** [EES24, GLW<sup>+</sup>23]. **neutron**  
[CK20a, CKC<sup>+</sup>21, CL21, CLEPF23, CLEP24, HSLC24, KJL<sup>+</sup>23, KC21,  
LJC<sup>+</sup>25, MKPW21, MKPW22, VGGP<sup>+</sup>21, WBF<sup>+</sup>24, WLL22, XSL<sup>+</sup>22,  
MBF<sup>+</sup>24]. **neutrons** [BCT20]. **Nevanlinna** [IHWG24]. **Neville** [JG24].  
**Newly** [IKM<sup>+</sup>24, LHWX24]. **Newton** [AG21, LVMGF<sup>+</sup>23, SLC<sup>+</sup>22, Zho23].  
**Newtonian** [AHP21]. **Next** [AAT<sup>+</sup>14, AAT<sup>+</sup>20, ABB<sup>+</sup>22, WZC<sup>+</sup>24, KM20].  
**next-nearest** [WZC<sup>+</sup>24]. **next-to-leading** [ABB<sup>+</sup>22]. **Next-to-Minimal**  
[AAT<sup>+</sup>20, AAT<sup>+</sup>14, KM20]. **NIC** [RHW<sup>+</sup>21]. **NIC-CAGE** [RHW<sup>+</sup>21].  
**Nicolson** [LNB23]. **NIMROD** [JHH<sup>+</sup>25]. **nitride** [HLCD20]. **NLO** [SY20].  
**NLOX** [FQRR22, HQRR20]. **NLP** [LM22]. **NNPred** [LSF23]. **noble**  
[TNL<sup>+</sup>22]. **Nodal** [WNS<sup>+</sup>21, SS21b, XSL<sup>+</sup>22, YZHL22, Zho23, ZLS<sup>+</sup>22].  
**nodal-staggered** [ZLS<sup>+</sup>22]. **node** [GSBN22, PP24]. **node-level** [GSBN22].  
**nodes** [PP23, PP24, YZHL22, PP23]. **noise**



[IHWG24, LMWW24a, TCcN23]. **noise-free** [IHWG24]. **noising** [TAGC22a]. **noisy** [KIK20]. **nominal** [SFBG20]. **Non** [DNG<sup>+</sup>20, JLL<sup>+</sup>24, Kar23b, KKY24, MGX24, NA20, AHP21, AKK<sup>+</sup>24, ADW<sup>+</sup>23, LLG<sup>+</sup>24, Dau23, DFP<sup>+</sup>20, DH20, Efr23, FMBD22, GBS<sup>+</sup>20, GOCSS<sup>+</sup>23, JDS20, KKM<sup>+</sup>20, LBS<sup>+</sup>23, LS24, LHG<sup>+</sup>20, MES<sup>+</sup>24, MEC<sup>+</sup>24, NVC20, PCS<sup>+</sup>20, QCZ23, RHLTG<sup>+</sup>22, RG21, RVRT22, SYFT23, SJ21, SLB<sup>+</sup>23, SBZ23, VXT<sup>+</sup>23, VB22b, WLCF21, XSM22, YGZG25, ZYLY22, ZYL<sup>+</sup>23, ZZ21a, ZCS<sup>+</sup>24]. **non-aligned** [SBZ23]. **non-bonded** [VXT<sup>+</sup>23]. **non-collinear** [GOCSS<sup>+</sup>23]. **non-convex** [LHG<sup>+</sup>20]. **Non-empirical** [NA20]. **non-equilibrium** [MES<sup>+</sup>24, MEC<sup>+</sup>24, SYFT23, ZCS<sup>+</sup>24]. **non-flat** [SJ21]. **non-ideal** [LS24, YGZG25]. **non-identical** [XSM22]. **non-isothermal** [RHLTG<sup>+</sup>22]. **Non-iterative** [KKY24, WLCF21]. **Non-linear** [DNG<sup>+</sup>20, LBS<sup>+</sup>23, RVRT22, SLB<sup>+</sup>23]. **Non-local** [JLL<sup>+</sup>24, NVC20]. **non-magnetic** [LL23, ZYLY22, ZYL<sup>+</sup>23]. **non-minimal** [AKK<sup>+</sup>24, KKM<sup>+</sup>20]. **non-neutral** [LLG<sup>+</sup>24]. **non-Newtonian** [AHP21]. **Non-Oscillatory** [MGX24]. **non-pairwise** [RG21]. **non-periodic** [FMBD22]. **non-reactive** [ADW<sup>+</sup>23]. **non-spherical** [QCZ23, ZZ21a]. **Non-standard** [Kar23b]. **non-thermal** [DFP<sup>+</sup>20]. **non-uniform** [PCS<sup>+</sup>20, VB22b]. **non-vanishing** [JDS20]. **non-zero** [DH20]. **nonadiabatic** [RdMS25, SZT24]. **noncentral** [GST21]. **nonequilibrium** [FTZ<sup>+</sup>23, SRS<sup>+</sup>25, WLX24]. **nonequispaced** [YW21]. **Nonintrusive** [TGS<sup>+</sup>20]. **Nonlinear** [KSJ<sup>+</sup>22, MEC<sup>+</sup>24, BJJ<sup>+</sup>24, BCGT24, BDF<sup>+</sup>25, Car25, CLS22b, DTC20, FAZ24, FBA<sup>+</sup>20, GTA21, GGCW24, GMZ<sup>+</sup>20, Hua24, JLL<sup>+</sup>24, KBB21, LDGN24, LLL25, NS20, SMA24, SCL22, WXY20, WHSK24, WKR23, ZJM<sup>+</sup>21, ZWL25]. **nonlocal** [AB21, BDA<sup>+</sup>20, BDF<sup>+</sup>25, CLVV22, CSW24, MZV23]. **Nonrad** [TAE<sup>+</sup>21]. **nonradiative** [TAE<sup>+</sup>21]. **nonsequential** [TNL<sup>+</sup>22]. **nontrivial** [Pöt20]. **nOOn** [BCT20]. **NORA** [Sit23, Sit24]. **norm** [TIG<sup>+</sup>24]. **norm-conserving** [TIG<sup>+</sup>24]. **normalizing** [BKS24a]. **nouveau** [PGS<sup>+</sup>24]. **novel** [Ano20c, LLG<sup>+</sup>24, HZ24, JLL<sup>+</sup>24, KK16, KTKK25, LC24, LNB23, MHK24a, Mil25, PMS<sup>+</sup>20a, SFKC22, SCMP<sup>+</sup>22, SCR<sup>+</sup>22b, TCY<sup>+</sup>21, WLL22, YZW21, Yan21b, ZHZG23]. **novelties** [ADH<sup>+</sup>20]. **November** [Ano20w, Ano21v, Ano22v, Ano23v, Ano24v]. **NSC** [Kar23b]. **NTMpy** [ASU<sup>+</sup>21]. **NTVTOK** [YBZ<sup>+</sup>25]. **NTVTOK-ML** [YBZ<sup>+</sup>25]. **Nuclear** [SCA<sup>+</sup>24, AAMY23, BFI<sup>+</sup>21, COJ<sup>+</sup>22, CCG21, DR21, GUAD22, GSV23, HGT24, Hor23b, KJL<sup>+</sup>23, LLC<sup>+</sup>23, LLL24b, MAJ20, TBAR21, UAWW25, Zho23]. **nuclear-decay** [Hor23b]. **nucleation** [Bar22a, WNS<sup>+</sup>21]. **nuclei** [GCK21, MLD<sup>+</sup>22]. **Nucleon** [BDA<sup>+</sup>20, Kar23a, MLD<sup>+</sup>22, OYC24, SW23]. **nucleosynthesis** [AAHJ20]. **nucleus** [AZH<sup>+</sup>24, BDA<sup>+</sup>20, GJJN23, MLD<sup>+</sup>22, NRK<sup>+</sup>21]. **nuclide** [BOSM24, LWbK<sup>+</sup>20]. **nudged** [BFD22]. **number** [ATR21, CdBMdAS<sup>+</sup>21, HFP21, LLT<sup>+</sup>23, MD21]. **numbers** [CXCZ23, FHD25, Nog21b]. **numeric** [HLzY<sup>+</sup>20]. **Numerical** [AS22, Arn20, Bar22b, CKT21, GMZ<sup>+</sup>20, HJK<sup>+</sup>24, KOF21, KRE22,



MPQ<sup>+</sup>22, NS20, SZ23, SSV22, WJB21, WWB22, WHB21, WW21, ZLWBH25, ADC<sup>+</sup>21, Bak23, BP25, BMSP21, BTG22, CFBRE24, CZY20, FAZ24, FLS25, FA21, GSLS20, GTB24, GOCSS<sup>+</sup>23, GWA<sup>+</sup>23, GHL<sup>+</sup>22, GB20, KSF<sup>+</sup>22, KPL<sup>+</sup>21, KFC<sup>+</sup>20, Kul20, LM21a, LS21a, MHK24a, MPS<sup>+</sup>24, MZL<sup>+</sup>24, MN21, NSU20, PG23, SGY24, THH21, VB22b, WXZ<sup>+</sup>24, WAK22, Yan21b, YWM23, ZCWY20, ZS24, ZRH21]. **Numerically** [LHTP<sup>+</sup>24]. **Nunziato** [Dau23]. **NuSD** [KTF22]. **nuSQuIDS** [ASW22].

**O** [NUK<sup>+</sup>22]. **O-SUKI-N** [NUK<sup>+</sup>22]. **Object** [BC22, CB23, JKST22]. **Object-oriented** [BC22, CB23, JKST22]. **objective** [CZX<sup>+</sup>21, HZ24, KMG<sup>+</sup>20, SPMS23]. **objects** [GTE21]. **obliquely** [BXW<sup>+</sup>25]. **observable** [YZL<sup>+</sup>23]. **observables** [CNB<sup>+</sup>23, KKS24, PAM24]. **observatories** [AAA<sup>+</sup>21]. **obtain** [GWPW21, VMRFC23]. **obtaining** [AUEO24, DBdFdSR21]. **ocean** [GG24]. **OCTAVE** [MN21]. **October** [Ano20x, Ano21w, Ano22w, Ano23w, Ano24w]. **octree** [KSF<sup>+</sup>22, TS23]. **OECP** [YMCF23]. **off** [AB21, DVC<sup>+</sup>22, MPH<sup>+</sup>24, MAMK21]. **offload** [SYFT23]. **offloading** [YRNUV25]. **Ohmic** [SZ23, VGGP<sup>+</sup>21]. **Ohta** [CZY20]. **Oldroyd** [AGH21]. **Oldroyd-B** [AGH21]. **Olsson.wl** [ABFP24]. **on-site** [CXCZ23]. **On-the-fly** [BDC<sup>+</sup>25, BMREC21]. **one** [AKK<sup>+</sup>24, BV21, DDW25, DZF25, Din25, FQRR22, GAJK23, GSLS20, GSV23, Hid21, HQRR20, JG24, KKM<sup>+</sup>20, KM20, KMS20b, LC24, MWJL23, OCE<sup>+</sup>23, SFBG20, TMH<sup>+</sup>23]. **one-dimensional** [BV21, DDW25, Hid21, OCE<sup>+</sup>23]. **one-electron** [GSV23, SFBG20]. **one-loop** [AKK<sup>+</sup>24, FQRR22, HQRR20, KKM<sup>+</sup>20, KM20, KMS20b]. **one-point** [LC24]. **one-step** [JG24, MWJL23]. **OPAL** [ASA<sup>+</sup>22]. **OPAL-FEL** [ASA<sup>+</sup>22]. **Open** [GDK21, HMYH22, HKY<sup>+</sup>21, KD23, WNS<sup>+</sup>21, WSK<sup>+</sup>22, YGZG25, AFB<sup>+</sup>24a, ASU<sup>+</sup>21, ADF<sup>+</sup>22, ASC<sup>+</sup>21, BC20, BM22, BLN<sup>+</sup>21, BMT<sup>+</sup>20, BFI<sup>+</sup>21, BSC<sup>+</sup>21, CAWK22, CZS<sup>+</sup>21, CPG<sup>+</sup>25, CPL21, COW24, CSW24, CW22, CKGW22, DIK<sup>+</sup>23, DNG<sup>+</sup>20, DFU20, DAA<sup>+</sup>24, DBBP23, EMB<sup>+</sup>25, FTZ<sup>+</sup>23, FH22, GDJG23, GKT<sup>+</sup>24, GFD<sup>+</sup>24, HSB<sup>+</sup>24, HXS20, HWL<sup>+</sup>23, HLMB24, HRG<sup>+</sup>22, Hua23, HHT<sup>+</sup>24, KGN<sup>+</sup>21, KGT22, LEE<sup>+</sup>24, LMBH<sup>+</sup>24, LMHL20, LH22, MLZ<sup>+</sup>23, MBTB21, MMP<sup>+</sup>24, MFB23, MONW21, MAJ20, MVF20, MVAXP22, MRN20, NBC<sup>+</sup>24, Nor23, DARJ23, PM21, PWC24, PW25, RZWW23, RHW<sup>+</sup>21, RJ21, SPLD20, SHB<sup>+</sup>20, SHW<sup>+</sup>21, SWTC23, TPK<sup>+</sup>21, UAWW25, XOTI22, YKSH20, YMCF23, YKK23b, zYCD<sup>+</sup>20, ZRZ<sup>+</sup>21, ZJS<sup>+</sup>20, ZCS<sup>+</sup>24]. **open-ended** [YMCF23]. **Open-source** [GDK21, HMYH22, HKY<sup>+</sup>21, KD23, WNS<sup>+</sup>21, WSK<sup>+</sup>22, YGZG25, AFB<sup>+</sup>24a, ADF<sup>+</sup>22, ASC<sup>+</sup>21, BM22, BLN<sup>+</sup>21, BMT<sup>+</sup>20, BFI<sup>+</sup>21, BSC<sup>+</sup>21, CZS<sup>+</sup>21, CPG<sup>+</sup>25, COW24, CSW24, CW22, CKGW22, DIK<sup>+</sup>23, DFU20, DAA<sup>+</sup>24, FTZ<sup>+</sup>23, FH22, GDJG23, GKT<sup>+</sup>24, GFD<sup>+</sup>24, HSB<sup>+</sup>24, HXS20, HWL<sup>+</sup>23, HLMB24, HRG<sup>+</sup>22, HHT<sup>+</sup>24, KGT22, LEE<sup>+</sup>24, LMBH<sup>+</sup>24, LMHL20, LH22, MLZ<sup>+</sup>23, MBTB21, MMP<sup>+</sup>24, MFB23, MONW21, MVF20,



MVAXP22, NBC<sup>+</sup>24, Nor23, DARJ23, PM21, PWC24, PW25, RZWW23,  
 RHW<sup>+</sup>21, RJ21, SPLD20, SHB<sup>+</sup>20, SHW<sup>+</sup>21, SWTC23, TPK<sup>+</sup>21, UAWW25,  
 XOTI22, YKSH20, YMCF23, YKK23b, ZRZ<sup>+</sup>21, ZCS<sup>+</sup>24]. **OpenACC**  
 [HT24, EVMP20]. **OpenDust** [KT23]. **OpenFOAM**  
 [CS22a, FCSP20, FA20a, FA20b, GSZK24, KRE22, KG21, MEC<sup>+</sup>24, NJSY22,  
 OCC23, SN23, SRT<sup>+</sup>25, SWTC23, TPK<sup>+</sup>21, TGS<sup>+</sup>20, UJ21, VV21, Yan21a,  
 YFL22, Zha20, ŽTR<sup>+</sup>22]. **OpenFOAM-based** [NJSY22]. **OpenFOAM(R)**  
 [KFC<sup>+</sup>20, MDDI21, OXOG23]. **OpenFSI** [YSX<sup>+</sup>20]. **openFuelCell2**  
 [ZHM<sup>+</sup>24]. **OpenMC** [LEE<sup>+</sup>24, LEE<sup>+</sup>24]. **OpenMP**  
 [HJGL22, MBA21, SYFT23, YRNUV25, YSMBA23, EVMP20]. **OpenMPI**  
 [DS22, PTH24]. **OpenNTP** [LEE<sup>+</sup>21a]. **OpenSANS** [MZV23]. **OpenSBLI**  
 [LJS21, LSS<sup>+</sup>25]. **Operating** [CTPS22, KRC<sup>+</sup>20]. **operation** [HBM<sup>+</sup>24].  
**operations** [BBV23, CB23]. **operator**  
 [FKK<sup>+</sup>21, HS24, KSJ<sup>+</sup>22, KDK23, SNP<sup>+</sup>20, WJB21, WWB22]. **operators**  
 [CB20, GBS<sup>+</sup>20, HG22, PCB<sup>+</sup>25, RVRT22, YT22]. **Operon** [BB24b].  
**OPSimTool** [Kan23]. **Optical** [CPG<sup>+</sup>25, AGMFGE23, AB21, BMP<sup>+</sup>24,  
 BRHT21, CMS22, CQS<sup>+</sup>24, DIAA21, HMSV23, Kan23, MD22, MASFP25,  
 OV23, PW25, SKEZ24b, SLB<sup>+</sup>23, UÁEPGBP24]. **optics**  
 [CQS<sup>+</sup>24, KGN<sup>+</sup>21, WMA<sup>+</sup>22]. **Optimal**  
 [SRK<sup>+</sup>24, BB21, Cas24, COW24, Gai20, JM24, KKY24, LY24b, RHW<sup>+</sup>21,  
 RBWD<sup>+</sup>24, RBWD<sup>+</sup>25, RRM<sup>+</sup>23, RDZ<sup>+</sup>20, Tan24]. **Optimisation**  
 [TWW22, Bar22a, GWZ<sup>+</sup>25, TV24]. **optimised** [TIG<sup>+</sup>24]. **optimistic**  
 [NBCMH20]. **optimization** [AS24a, CdBMdAS<sup>+</sup>21, CZX<sup>+</sup>21, FLW<sup>+</sup>23,  
 FBC<sup>+</sup>21, Gag25, HTS<sup>+</sup>21, KWB<sup>+</sup>25, KL23b, KMG<sup>+</sup>20, KM22, LDGN24,  
 LCB25, MTY<sup>+</sup>22, NCF<sup>+</sup>23, RdPS24, SPMS23, VHBK21, WYHW24,  
 WBK<sup>+</sup>24, WWJ<sup>+</sup>22, YK21b, YNMR24, ZZC20]. **optimizations** [HK24].  
**Optimized** [RAJ<sup>+</sup>24, VTB<sup>+</sup>21, XOTI22, YSI<sup>+</sup>24, CL20, CCL<sup>+</sup>22, FZD<sup>+</sup>24,  
 LYZL24, RdSH<sup>+</sup>24, TMH<sup>+</sup>23]. **Optimizing**  
 [CFSV25, HTL<sup>+</sup>22, SHRK22, WSRO24, Bav24, CB20, Gon22, LJC<sup>+</sup>25].  
**OptiSMOKE** [FBC<sup>+</sup>21]. **optoelectronic** [DSQ23, VMRFC23]. **Orb**  
 [LOT<sup>+</sup>20]. **ORB5** [NBB<sup>+</sup>21, OGL<sup>+</sup>21]. **orbit** [BKRG22, BJS<sup>+</sup>23, BRHT21,  
 FBA<sup>+</sup>20, GOCSS<sup>+</sup>23, KRG21, MBA21, RVM<sup>+</sup>21, YHH<sup>+</sup>20]. **orbital** [BW23,  
 GM20, HLCD20, MHK24b, PAL<sup>+</sup>20, PWD22, PM21, RZY<sup>+</sup>24, ZRH21].  
**orbital-free** [BW23, GM20, MHK24b]. **orbitals**  
 [GOCSS<sup>+</sup>23, SLE<sup>+</sup>22, SDA<sup>+</sup>25, ZXW<sup>+</sup>22]. **orbits**  
 [JDS20, JSS<sup>+</sup>24, MPQ<sup>+</sup>22]. **order**  
 [AIZ23, BBV<sup>+</sup>22, ADF<sup>+</sup>22, BBA23, BDF<sup>+</sup>25, BSC<sup>+</sup>21, BKG<sup>+</sup>23, ČPF<sup>+</sup>24,  
 CJ21, CWJ21, DBV<sup>+</sup>24, DFU20, DEdM24, EVMP20, EPM23, EMB<sup>+</sup>25,  
 FLS25, FJ22, FRN<sup>+</sup>23, GBS<sup>+</sup>20, GZW20, GHL<sup>+</sup>22, GKT<sup>+</sup>24, GGCW24,  
 GMZ<sup>+</sup>20, HWL<sup>+</sup>23, HCAH<sup>+</sup>24, KBB21, KSF<sup>+</sup>22, KPJ24, KD23, KKB<sup>+</sup>25,  
 LM21a, LF24, LLS<sup>+</sup>21, LLZ<sup>+</sup>22, LLY<sup>+</sup>22, MDP22, PMSHG23, PLL24, PB23,  
 PLF20, PG23, PCS<sup>+</sup>23, QWZ<sup>+</sup>21, RZY<sup>+</sup>24, RCW<sup>+</sup>20, SP20, SDBS24,  
 TCY23, Tan24, TSL21, VLS22, WXY20, XPF<sup>+</sup>24, YS22, Yan21b, YK21b,  
 YKK23b, ZCWW20, Zho23, ZZZ<sup>+</sup>20, ZLS<sup>+</sup>22]. **ordered** [CJZ25]. **ordering**



[TCY23]. **ordinary** [BDF<sup>+</sup>25, DEdM24, MCP23]. **organic** [BMR<sup>+</sup>24a].  
**organized** [YLP<sup>+</sup>24]. **orientation** [AE23, OS24, SJY18, SJY20]. **oriented**  
[ACD<sup>+</sup>22, BC22, CB23, DFU20, JKST22, Sha21, Soz21, YR21, YK21b].  
**orthogonal** [CSC25, RYS<sup>+</sup>24]. **orthogonality** [ÖAÖ24]. **orthonormal**  
[DEV20]. **oscillating** [SPTPR21]. **Oscillation** [Pag24a, GLW<sup>+</sup>23, Pag24b].  
**oscillations** [Dan23, DDW25]. **Oscillator**  
[Efr23, BDdM20, Efr21b, MSN<sup>+</sup>22, SKEZ24b, SMGK21]. **oscillators** [FH22].  
**Oscillatory** [MGX24]. **Oslo** [MZL<sup>+</sup>21]. **osmo** [FFTV23]. **OSSCAR**  
[DBBP23]. **otebook** [VMRFC23]. **other**  
[ADH<sup>+</sup>20, KKL21, MS24, ZHM<sup>+</sup>24]. **OTSLM** [LSNRD20].  
**out-of-equilibrium** [WWB22]. **overhead** [BGR23, VHBK21]. **overlaps**  
[AJDS<sup>+</sup>21]. **overrelaxation** [BJL<sup>+</sup>24]. **overset** [CS22a]. **oxide** [ZGZ<sup>+</sup>25].

**P** [VMRFC23, SHS22, VMRFC23, VPPQ<sup>+</sup>24]. **P-TRANS** [SHS22].  
**PACIAE** [SZY<sup>+</sup>22, YZL<sup>+</sup>23]. **Package**  
[GNP20, PMS20b, AGMFGE23, ASU<sup>+</sup>21, ASPDL<sup>+</sup>21, ACS<sup>+</sup>22, ABBD23,  
AYI<sup>+</sup>24, AGK<sup>+</sup>23, ASC<sup>+</sup>21, Bag22, BA24, BYWW23, BBH<sup>+</sup>24, BFT20,  
Ber24, BWW20, Bie21, BM22, BCD<sup>+</sup>21, Bzo21, CMS22, CDD22, CZWE23,  
COW24, CSW24, CMLA25, CKP<sup>+</sup>25, CW22, DKRSR22, EBNS22, EST23,  
FASD20, FH22, Fon21, GAJK23, GK21, Gal22, GST21, GvdBdGN24, GBR23,  
HyLF23, HHVB21, HPP23, Hid21, HGS20, JWK<sup>+</sup>21, JCM20, JRS<sup>+</sup>21,  
JPJ<sup>+</sup>23, KH23, KRL<sup>+</sup>24, KDHL23, Kür23, Lee21b, LKK23, LCL<sup>+</sup>23, LZK<sup>+</sup>23,  
LYX22, LCZ<sup>+</sup>21, LM23, LZYY23, LH22, MD22, MP21, MHK24b, MOMO24,  
MOMO25, MTY<sup>+</sup>22, NG21, NKP20, OBC<sup>+</sup>24, PAL<sup>+</sup>20, PSW23, PD24,  
PTD20, RHLTG<sup>+</sup>22, RHW<sup>+</sup>21, RZY<sup>+</sup>24, RYS<sup>+</sup>24, Sat21, SGM<sup>+</sup>20, SXW<sup>+</sup>20,  
SAS20, Sit23, SAN24, Sit24, TR22, Tor20, TMH<sup>+</sup>23, TO21, UD24, VCF22,  
VB22a, WLL<sup>+</sup>24, WZZ<sup>+</sup>23, WLLS25, Wor20, WZPW20, WBM<sup>+</sup>24, XBL<sup>+</sup>20].  
**package**  
[XLX<sup>+</sup>24, YSX<sup>+</sup>20, ZYLY22, ZYL<sup>+</sup>23, ZPL<sup>+</sup>21, dSOZ22, vdHKB<sup>+</sup>23].  
**packages** [ABFP24, SHW<sup>+</sup>21]. **packet** [Dio23, RdMS25]. **Padé** [PPK22].  
**Pair** [AJW<sup>+</sup>21, BKBL22, JWW<sup>+</sup>23, Jia20, KKB<sup>+</sup>24]. **PairDiag** [LQ21].  
**PairDiagSph** [LQGL21]. **pairing** [GQ22, LQ21, LQGL21]. **pairs**  
[ABWZ23]. **pairwise** [HAA<sup>+</sup>20, Mar22, RG21]. **PAMCARS** [ZHS<sup>+</sup>20].  
**panel** [SCMP<sup>+</sup>22, SCR<sup>+</sup>22b]. **PANNA** [LPSK20]. **paper** [GDK21].  
**paper-based** [GDK21]. **Parabolic** [OSE<sup>+</sup>20, ASU<sup>+</sup>21, BCGT24].  
**paradigm** [MMV<sup>+</sup>24]. **Parallel** [AHM<sup>+</sup>23, ASC<sup>+</sup>24, BR20b, DS20, HMR22,  
Ham20b, HW22, JM24, JP24, SRT<sup>+</sup>20, SJCD25, ACS<sup>+</sup>22, AS24b, BM20,  
BKP22, BGW<sup>+</sup>22, BBH<sup>+</sup>24, BB24b, BMT<sup>+</sup>20, CZS<sup>+</sup>21, CCC20, CJZ21,  
CHY<sup>+</sup>24, CKP<sup>+</sup>25, Cos22, DMS<sup>+</sup>22, DIKSN24, EVMP20, FWL<sup>+</sup>24a,  
FASM24, GTMB21, GAGO21, HJGL22, KWZ24, KF23, KHR<sup>+</sup>23, KKPC21,  
KDIN<sup>+</sup>23, KMM21, KSC<sup>+</sup>23, KFHR24, LBRW22, LLZ<sup>+</sup>23, LYZL24,  
LMHUR23, LNB23, MTW<sup>+</sup>24, MD20b, MW21, MAMK21, MDR<sup>+</sup>20, Nor23,  
OIA<sup>+</sup>20, RCB<sup>+</sup>20, RS20, RYS<sup>+</sup>24, SXW<sup>+</sup>20, SLZY21, SMK25, SBG23,  
WWZ<sup>+</sup>23, WLZ<sup>+</sup>24, XLKX21, YS22, YCC22, Yan23, YML<sup>+</sup>24, YKY<sup>+</sup>22,



ZAW<sup>+</sup>21, ZWZ<sup>+</sup>22, ZLMH23, ZYLL24, ZHZG23, AACE<sup>+</sup>21, BBH<sup>+</sup>24].  
**Parallel-in-time** [JM24]. **paralleling** [DRZ<sup>+</sup>21]. **Parallelisation** [UJ21, PCB<sup>+</sup>25]. **parallelism** [Mag25, MLT<sup>+</sup>21]. **Parallelization** [DBM<sup>+</sup>24, TCD20, DFG<sup>+</sup>23, GB22, RCX24, YSI<sup>+</sup>24, ZWP<sup>+</sup>22].  
**Parallelized** [BSK<sup>+</sup>22, CGR21, COP<sup>+</sup>24, KKLZ23a, LKP21]. **parameter** [GJ24, HPRS23, KWB<sup>+</sup>25, LWV20, SMC<sup>+</sup>22, SZ24a, TSAK21, YWK<sup>+</sup>24, ZW20]. **parameterizations** [Kol23]. **parameters** [CL20, CFL<sup>+</sup>22, DBdFdSR21, FA21, GOST23, HHVB21, HLCD20, Jab22a, MMCC<sup>+</sup>22, NKP20, SKC21, SHRK22, TMC22, TNL<sup>+</sup>22]. **parametric** [RUV20, SKEZ24b]. **parametrised** [TGS<sup>+</sup>20]. **Parametrization** [OKBM23]. **Parametrization-free** [OKBM23]. **parametrized** [AFB<sup>+</sup>24b, BDGS21]. **ParamGULP** [DBdFdSR21]. **Parareal** [PCB<sup>+</sup>25].  
**PARCE** [OSLC21]. **PaReDiSo** [PTH24]. **Pareto** [KMG<sup>+</sup>20].  
**Pareto-frontal** [KMG<sup>+</sup>20]. **PARIS** [AACE<sup>+</sup>21]. **Parrinello** [vdHKB<sup>+</sup>23].  
**PARSEC** [LYC20]. **PARSIFAL** [AFB<sup>+</sup>24b]. **parsimonious** [SJ20]. **Part** [DZF25, Din25, PLT<sup>+</sup>23]. **PArthENoPE** [GdSPC22]. **Partial** [Pos22, BBH<sup>+</sup>24, CFSV25, GHL23, HvM22, OV23, Pen24, SJP21a, ZLY24].  
**Partial-wave** [Pos22, SJP21a]. **partially** [MR22, MS24, MM23]. **Particle** [AMA<sup>+</sup>20, ANU21, DHK<sup>+</sup>21, FAL21, JCM20, KPR<sup>+</sup>24, XZYS25, YYC<sup>+</sup>23, ABK<sup>+</sup>22, AYWKL24, ASC<sup>+</sup>24, BCHE21, BKB<sup>+</sup>21, BC21, LLG<sup>+</sup>24, Bav24, BTK24, BFL<sup>+</sup>22, CGSO20, CTZW23, CCW<sup>+</sup>25, DC22, DBH<sup>+</sup>22, DZF25, Din25, DWD<sup>+</sup>24, Efr20, Efr21a, Efr23, FN21, FJ22, FTZ<sup>+</sup>23, FRN21, FA21, FYM<sup>+</sup>22, GRP<sup>+</sup>25, GTB24, GWA<sup>+</sup>23, GH21, GSBN22, GB20, HT20, HFP21, JSS<sup>+</sup>24, KPJ24, KP23, KMU<sup>+</sup>23, KSC<sup>+</sup>23, LBRW22, LG21a, LMX<sup>+</sup>21, LAD<sup>+</sup>21, LLT<sup>+</sup>23, LM20, LMQ<sup>+</sup>23, LYZL24, MK22, Mar22, May21, MZL<sup>+</sup>24, MRH<sup>+</sup>23, MHP23, MLT<sup>+</sup>21, MMYU22, MPQ<sup>+</sup>22, MBE<sup>+</sup>21, NTO24, NSY<sup>+</sup>23, NR21, NBS<sup>+</sup>20, NJT24, NBB<sup>+</sup>21, NRG24, ODR<sup>+</sup>22, OCR<sup>+</sup>22, OYG<sup>+</sup>24, OBGA24, OAP<sup>+</sup>24, PAM24, PYT<sup>+</sup>24, PSMRS<sup>+</sup>23, PK24, PCS<sup>+</sup>20, RDH<sup>+</sup>20, RZH22, RC23, SRC21, SFKC22, SDP24, SLL22, STRF<sup>+</sup>20, SWB<sup>+</sup>23, SMGK21, SBP20, TV24, THH21, TWR21, TAGC22b, TGGC23, TAB<sup>+</sup>22].  
**particle** [TAY<sup>+</sup>24, Ume22, VPPQ<sup>+</sup>24, VEHCM21, VRI24, WWM<sup>+</sup>22, WOP<sup>+</sup>20, WS20, XBL<sup>+</sup>20, XQ21, XHY<sup>+</sup>24, YC20, YGSW21, YWX<sup>+</sup>23, YZZ<sup>+</sup>23, ZK20, ZRZ<sup>+</sup>21, ZDSS23, ZGF<sup>+</sup>24, ZWL25, ZZC20, ZZ24, ZHZG23, ZLS<sup>+</sup>22, ATRD21, DFG<sup>+</sup>23, DWD<sup>+</sup>24, FAL20, FA21, JDD<sup>+</sup>21, KG21, OGL<sup>+</sup>21, SAC<sup>+</sup>21]. **Particle-based** [KPR<sup>+</sup>24, XZYS25, HT20, TAB<sup>+</sup>22, VPPQ<sup>+</sup>24]. **Particle-In-Cell** [FAL21, YYC<sup>+</sup>23, ASC<sup>+</sup>24, BCHE21, BC21, LLG<sup>+</sup>24, BTK24, CTZW23, CCW<sup>+</sup>25, DBH<sup>+</sup>22, FN21, FYM<sup>+</sup>22, GTB24, LMX<sup>+</sup>21, LAD<sup>+</sup>21, MRH<sup>+</sup>23, MLT<sup>+</sup>21, NTO24, OCR<sup>+</sup>22, PSMRS<sup>+</sup>23, RC23, SWB<sup>+</sup>23, TWR21, Ume22, XHY<sup>+</sup>24, YC20, YWX<sup>+</sup>23, ZK20, ZDSS23, ZLS<sup>+</sup>22, DFG<sup>+</sup>23, DWD<sup>+</sup>24, FAL20, FA21, OGL<sup>+</sup>21, SAC<sup>+</sup>21, JDD<sup>+</sup>21, KG21].  
**Particle-in-Cell/Monte-Carlo** [JDD<sup>+</sup>21]. **particle-laden** [GWA<sup>+</sup>23, GB20]. **particle-laser** [LMX<sup>+</sup>21]. **particle-matter** [NBS<sup>+</sup>20].  
**Particle-number** [ATRD21]. **particle-resolved** [MZL<sup>+</sup>24].



**particle-swarm** [ZZC20]. **particles** [AGJ<sup>+</sup>23, ADH<sup>+</sup>20, FBA<sup>+</sup>20, Kür23, LJQ<sup>+</sup>22, LHWX24, MHK24a, Nie20, PCL24, RDZ<sup>+</sup>20, SLA22, SA23, SAC<sup>+</sup>21, TCcN23, YFL22, ZZ21a].  
**Particlization** [MEH21]. **particulate** [ABB<sup>+</sup>24b, QCZ23]. **partition** [LNB23]. **partitioning** [Xav22]. **pARTn** [PGS<sup>+</sup>24]. **Parton** [CCMR21, SZY<sup>+</sup>22]. **parts** [WBM<sup>+</sup>24]. **PaScaL\_TCS** [KKPC23].  
**PaScaL\_TDMA** [KKPC21, YKK<sup>+</sup>23a]. **passage** [KKY24]. **Past** [Sjö20].  
**patch** [ASC<sup>+</sup>24]. **patch-based** [ASC<sup>+</sup>24]. **Path** [PBC<sup>+</sup>24, DL24, HTK24, KDHL23, Sva24]. **path-determination** [HTK24].  
**pathological** [HMM22]. **paths** [NA20]. **pattern** [HT24, Kan24]. **patterns** [JLW24]. **Pauli** [WBvdH20, XQ21]. **Pauling** [ZHS<sup>+</sup>20]. **Paulo** [CCG21].  
**PBCAVE** [BBA<sup>+</sup>20]. **PCDMD** [YKJ<sup>+</sup>24]. **pCI** [CKP<sup>+</sup>25]. **PDE** [OIA<sup>+</sup>20].  
**PDEs** [ZJC<sup>+</sup>25, ZLWBH25]. **PDFFlow** [CCMR21]. **PDMC** [PLT<sup>+</sup>23].  
**Peak** [ZWG<sup>+</sup>24]. **peakon** [ZYXC24]. **PENELOPE** [GAGO21].  
**penetration** [BKB<sup>+</sup>21]. **Peng** [ZLLM23]. **PenRed** [GAGO21, OBGA24].  
**pentaquark** [GBJ<sup>+</sup>21]. **Perfectly** [Pöt20, NTO24, OKBM23].  
**Performance** [LKP21, STS<sup>+</sup>25, TBAR21, WLZ<sup>+</sup>24, AALK20, BPMMP24, BBC<sup>+</sup>24, BLM<sup>+</sup>22, BDR<sup>+</sup>20, CZTF23, DB24, DRB22, DIKSN24, FAL20, FAL21, GRP<sup>+</sup>25, GAS<sup>+</sup>23, HSA22, IYC<sup>+</sup>24, KDIN<sup>+</sup>23, KMM21, KPL<sup>+</sup>21, MT23, OSK<sup>+</sup>21, OLNG21, RBFB20, SRE<sup>+</sup>24, SGY24, SSV22, WRM<sup>+</sup>24, YJLW21, YML<sup>+</sup>24, YKK23b, YLK<sup>+</sup>20, ZMC23]. **performant** [BB24a, RLW<sup>+</sup>24]. **performing** [CMLA25, SC22, VCF22]. **Peridynamic** [LFL<sup>+</sup>24]. **peridynamics** [LC24]. **Periodic** [GVV22, HPP23, AL24, COP<sup>+</sup>24, FMBD22, JDS20, KAG24, LXY<sup>+</sup>21, MD20a]. **periodicities** [LF25].  
**peripheral** [BCT20, BKBL22]. **Perl** [HBM<sup>+</sup>24]. **Perl-based** [HBM<sup>+</sup>24].  
**permaFoam** [OXOG23]. **Permafrost** [OXOG23]. **permanent** [HK24].  
**permittivity** [YMCF23]. **permutation** [YLIO22, Zeb22]. **perspective** [LC24]. **Perturbation** [RTRB21, ATRD21, GBD<sup>+</sup>22, IYP<sup>+</sup>25, LACL24, SLZY21, SDL<sup>+</sup>21, TMC22, Gal22]. **perturbations** [YYC<sup>+</sup>23]. **Perturbo** [ZPL<sup>+</sup>21]. **PET** [HLMB24]. **petBOA** [KWB<sup>+</sup>25]. **PETOOOL** [OSE<sup>+</sup>20].  
**Pfaffians** [XOTI22]. **pdf** [BBH<sup>+</sup>24]. **pdf-parallel** [BBH<sup>+</sup>24]. **PFLOPS** [IKM<sup>+</sup>23, LWC<sup>+</sup>21]. **pgm** [WZZ<sup>+</sup>23]. **PGNAA** [CdBMM25]. **pGrAdd** [WV22]. **PH** [PP24]. **PH-NODE** [PP24]. **Ph3pyWF** [WLLS25]. **PHARE** [ASC<sup>+</sup>24]. **phase** [AYI<sup>+</sup>24, Bar22a, BMM21, BBA23, BBA25, BND22, BSC<sup>+</sup>21, CAWK22, CFLR24, CZY20, CJZ25, Dau23, EST23, ENK24, FDPT23, KMN21, KBSL22, Kol23, KNJ<sup>+</sup>23, LLL<sup>+</sup>24a, MMFdL21, MA24, NBB<sup>+</sup>21, PBK21, RSD20, SRT<sup>+</sup>20, SZ23, SFS22, TCSA21, TCY23, TQGE23, VB22b, WT22, WYT23, Yan21b, YK21a, ZCWY20, ZDG<sup>+</sup>21, YLK21, FLK<sup>+</sup>20].  
**phase-change** [RSD20, SRT<sup>+</sup>20]. **phase-field** [CZY20, FDPT23, KNJ<sup>+</sup>23, TCY23, WYT23, YK21a, ZCWY20, ZDG<sup>+</sup>21].  
**Phase-I** [YLK21]. **phase-space** [NBB<sup>+</sup>21, TCSA21]. **phases** [AMP<sup>+</sup>21, FLW<sup>+</sup>23, KvdW20]. **PhasicFlow** [Nor23]. **phenomena** [MP21, YLP<sup>+</sup>24]. **phenomenology** [BBH<sup>+</sup>23]. **phonon** [DGHA25, HYL<sup>+</sup>22,



LACL24, LFL<sup>+</sup>24, MMP<sup>+</sup>24, SHS22, SLIC24, WZZ<sup>+</sup>23, YHY<sup>+</sup>21, ZPL<sup>+</sup>21].  
**phononic** [PP24, WXZH24]. **phonons** [PPR<sup>+</sup>21]. **photo**  
[RHW<sup>+</sup>21, RBWD<sup>+</sup>24]. **photo-excited** [RHW<sup>+</sup>21, RBWD<sup>+</sup>24].  
**photoelectric** [WSK<sup>+</sup>22]. **photoelectrochemical** [BMI23]. **photoelectron**  
[BFMA<sup>+</sup>24, Jab22a, TB20]. **photoemission** [BYL<sup>+</sup>21, RMFB23].  
**photoinjector** [NCF<sup>+</sup>23]. **Photoionization**  
[BFMA<sup>+</sup>24, HBM<sup>+</sup>24, TCSD24]. **photoluminescence** [BMR<sup>+</sup>24a]. **Photon**  
[Kal20, AAD<sup>+</sup>24, JWW<sup>+</sup>23, Kan23, KMS20a, LHWX24, OV23]. **photonic**  
[DNG<sup>+</sup>20, KR23, LLL25, MSH22, SLL<sup>+</sup>24, WZZS21, ZMN<sup>+</sup>24]. **photons**  
[MBG<sup>+</sup>20]. **Phys** [AAT<sup>+</sup>20, Ano20c, FAL21, MKPW22, MSHP20, Och23a,  
SJY20, YNV23, ZYX22]. **Physalis** [WS20]. **PHYSBO** [MTY<sup>+</sup>22]. **physical**  
[AM21b, JYL<sup>+</sup>23, KKS24, WAN<sup>+</sup>22, YFL22, YKK23b]. **phYsicist**  
[UMA21]. **Physics** [AEG<sup>+</sup>25, ACD<sup>+</sup>22, DVB<sup>+</sup>25b, HM24b, LY22, MOMO25,  
Pag24a, RRC<sup>+</sup>24, YKJ<sup>+</sup>24, AG21, AGJ<sup>+</sup>23, ABK<sup>+</sup>22, BLN<sup>+</sup>21, BC23, CB23,  
CGG21, DR21, DBE<sup>+</sup>24, EBNS22, FXZT21, FTG23, FRN<sup>+</sup>23, GDJG23,  
GFD<sup>+</sup>24, Kal20, KPR<sup>+</sup>24, Koz23, LLC<sup>+</sup>23, LP24, LFZ20, PAM24, PBC<sup>+</sup>24,  
RGS<sup>+</sup>21, RSPJ21, RPGG25, SRC21, SDP24, SE24, SHB<sup>+</sup>20, SZ24a, SSD<sup>+</sup>22,  
SCT21, TV24, TS25, TW21b, VEHCM21, WBF<sup>+</sup>24, WLL22, WAET22,  
XLL<sup>+</sup>22, XPF<sup>+</sup>24, XHY<sup>+</sup>24, ZRZ<sup>+</sup>21, ZJC<sup>+</sup>25, ZD25, ZDLS21].  
**physics-based** [SDP24, WAET22]. **Physics-constrained** [YKJ<sup>+</sup>24].  
**Physics-Informed**  
[LY22, RRC<sup>+</sup>24, RPGG25, SE24, WBF<sup>+</sup>24, ZJC<sup>+</sup>25, ZD25]. **physiologically**  
[ZHZ<sup>+</sup>23]. **physiologically-significant** [ZHZ<sup>+</sup>23]. **PIC**  
[Gon22, LOT<sup>+</sup>20, MT23, MBE<sup>+</sup>21, NDFL24, WXX24, YC20]. **PIC-MCC**  
[WXX24]. **picFoam** [KG21]. **PICLS** [SBB<sup>+</sup>24]. **pICNIK** [RHLTG<sup>+</sup>22].  
**PIGE** [MMC<sup>+</sup>22]. **pikoe** [OYC24]. **Pilgrim** [FCTFR20]. **pilot** [OIA<sup>+</sup>20].  
**pin** [Zho23]. **pin-by-pin** [Zho23]. **Pineline** [BCCM<sup>+</sup>24]. **pipe** [XLL<sup>+</sup>22].  
**pipeline** [BBLB<sup>+</sup>25]. **pipelined** [PP21]. **pipelines** [WAK22, WKJB23].  
**Pitaevskii** [BKRG22, CR20, CCW20, CWJ21, GTA21, KRG21, KMR22,  
KPL<sup>+</sup>21, YSMB23]. **PittPack** [HXS20]. **PIV** [NT24]. **pKa** [SOH<sup>+</sup>23].  
**pkgPENGEO** [ASPDL<sup>+</sup>21]. **planar** [ZL20]. **Planck**  
[ZLL<sup>+</sup>24, ZX23, DTC20, KSJ<sup>+</sup>22, KPJ24, TCSA21, TKC<sup>+</sup>21]. **plane**  
[BR20a, FASD20, FWL<sup>+</sup>24a, GdPSH25, GC25, HM24a, HM24b, JZW<sup>+</sup>22,  
MSHP02, MSHP20, YJLW21]. **plane-wave**  
[FWL<sup>+</sup>24a, JZW<sup>+</sup>22, MSHP02, MSHP20]. **plane-waves** [GC25]. **plasma**  
[ARLDG24, BXW<sup>+</sup>25, BYWW23, BGW<sup>+</sup>22, Bel24, BL21, CTZW23, DIK<sup>+</sup>23,  
DML23, DKM<sup>+</sup>24, GUW<sup>+</sup>22, HA23, Ken25, KT23, LAD<sup>+</sup>21, LLT<sup>+</sup>23,  
LLQ<sup>+</sup>23, LSW<sup>+</sup>20, MTW<sup>+</sup>24, MMP20, MRH<sup>+</sup>23, PG23, RSHS24, RdSH<sup>+</sup>24,  
SMC<sup>+</sup>22, SKYQ21, SSD<sup>+</sup>22, TKS22, Ume22, WRM<sup>+</sup>24, sXBkB<sup>+</sup>22,  
YGSW21, ZDSS23, ZGW20, ZSqXY21]. **plasma-based** [LAD<sup>+</sup>21].  
**plasma-material** [MRH<sup>+</sup>23, YGSW21]. **plasma-neutral** [TKS22]. **plasmas**  
[BJL<sup>+</sup>24, LLG<sup>+</sup>24, BTK24, DFP<sup>+</sup>20, JDD<sup>+</sup>21, KOF21, LZZ<sup>+</sup>25, MXH<sup>+</sup>24,  
MMYU22, SMA24, VV21, WLF<sup>+</sup>23, YC20, YKY<sup>+</sup>22, ZLL<sup>+</sup>24]. **plasmonic**  
[MZV23]. **plasticity** [EGLK20, YML<sup>+</sup>24]. **Plateau** [LY24a]. **platform**



[BBV23, BLN<sup>+</sup>21, DBBP23, MLZ<sup>+</sup>23, OSK<sup>+</sup>21, PMA<sup>+</sup>21, SJY18, SJY20, ZWC<sup>+</sup>20]. **platforms** [BB24b, CCM20, SCF20, YJLW21]. **plethora** [FR20]. **PLQ** [BMR<sup>+</sup>24a]. **PLQ-sim** [BMR<sup>+</sup>24a]. **plugin** [PGS<sup>+</sup>24]. **PLUTO** [MHP23]. **PM2D** [MTW<sup>+</sup>24]. **PML** [XFH<sup>+</sup>22, ZZZ<sup>+</sup>20]. **pMuTT** [LWV20]. **Poincaré** [SRML20]. **point** [Ano20c, AM21a, BFG24, CFBRE24, CLEPF23, CLEP24, DIAA21, FH22, Ham20b, KK16, LG21b, LC24, SSH<sup>+</sup>23, VZ20]. **point-group** [CFBRE24]. **PointGroupNRG** [CFBRE24]. **Pointing** [PLT<sup>+</sup>23]. **points** [BBA<sup>+</sup>20]. **Poisson** [BBA<sup>+</sup>20, CLVV22, DCZ23, HXS20, JP24, LSW<sup>+</sup>20, SLZ<sup>+</sup>24, SBB<sup>+</sup>24, TS23, YSI<sup>+</sup>24, YKY<sup>+</sup>22, YJ24, ZX23]. **Poisson-sphere** [JP24]. **Pol** [BDdM20]. **POLALMM** [SFBG20]. **polarimeter** [CV24]. **polarizabilities** [SFBG20]. **polarizability** [Kut20]. **polarization** [MOV21]. **polarizations** [NTO24]. **Polarized** [SY20, BKS24b, BAB<sup>+</sup>20]. **polaron** [SZ23]. **Pole** [KHKL24, AS22]. **Pole-fitting** [KHKL24]. **polyamide** [ZBS<sup>+</sup>23]. **polyatomic** [LHZ20]. **polyatomics** [MPZB<sup>+</sup>24]. **polygonal** [SVSC20]. **polyhedron** [Nis22]. **PolyHoop** [VRI24]. **polylogarithms** [Ber24, NSU20]. **polymer** [HT24, SJ20, VvBTH20, ZBS<sup>+</sup>23]. **Polymers** [HPP23, ECS23, HTK24, LVMGF<sup>+</sup>23, NBC<sup>+</sup>24]. **polynomial** [BND22, CCK23, GDB10, LMWW24a, LYC20, LP24, SvdW24]. **polynomial-correction** [SvdW24]. **polynomials** [PWC24]. **PolyPal** [SMKL25]. **Polyrates** [MPZB<sup>+</sup>24]. **polytope** [LH24]. **PolyWeight** [NBC<sup>+</sup>24]. **ponderomotive** [BGW<sup>+</sup>22]. **pools** [KJL<sup>+</sup>23]. **POP** [ZWC22]. **population** [HFP21, RCS21]. **pore** [KAG24, OSK<sup>+</sup>21]. **poromechanical** [CCC20]. **porosity** [VPZH24]. **porous** [OSK<sup>+</sup>21, SFS22, VPZH24, YCCW23, ŽTR<sup>+</sup>22]. **porousMultiphaseFoam** [HRG<sup>+</sup>22]. **port** [BLM<sup>+</sup>22]. **portability** [DB24, DRB22]. **Portable** [Dür23, BB24a, DIKSN24, DBH<sup>+</sup>22, KDIN<sup>+</sup>23, MDP22, RDC<sup>+</sup>20, SRE<sup>+</sup>24, WRM<sup>+</sup>24, YSX<sup>+</sup>20, YML<sup>+</sup>24]. **Portobello** [AMK24]. **posed** [ZZ24]. **posedness** [SWZ23]. **position** [PMS<sup>+</sup>20a]. **positions** [RCH24]. **positive** [LS21a, SJP21a, SY25]. **positivity** [PGYF21, XDF20]. **positivity-preserving** [PGYF21]. **positron** [Dry21, HMYH22, HA23, HSO<sup>+</sup>22, HBM<sup>+</sup>24, YZW22]. **positrons** [MBG<sup>+</sup>20, SJP21a]. **possible** [BBA<sup>+</sup>20]. **Post** [AM21a, CEC<sup>+</sup>24, Ham20b, HCAH<sup>+</sup>24, LR22, MPSK21, WGGC22]. **Post-processing** [AM21a, CEC<sup>+</sup>24, Ham20b, HTH<sup>+</sup>20, HCAH<sup>+</sup>24, LR22, WGGC22]. **post-processor** [MPSK21]. **Potential** [BBB20, LWC<sup>+</sup>21, NRK<sup>+</sup>21, BDA<sup>+</sup>20, CCG21, DSW<sup>+</sup>23, DBdFdSR21, FMBD22, GCK21, LKP24, NA20, PBK21, RV20, RV21, SKS24, SVJ<sup>+</sup>24, SSPF24, Tan23, TVSM25, TNL<sup>+</sup>22, VZ20, Xav22, ZWC<sup>+</sup>20, ZHI23]. **potential-based** [FMBD22]. **potentials** [AB21, BCGT24, CWG<sup>+</sup>21, CT23, Dio23, HAA<sup>+</sup>20, KWK<sup>+</sup>21, Kar23a, LG21b, MPN<sup>+</sup>21, SRK<sup>+</sup>24, WGG20, WAET22]. **PotLib** [SVJ<sup>+</sup>24]. **Potts** [KW23]. **power** [SKS24, ZZ21a, ZS24]. **powered** [SGY24]. **powers**



[JG24, SA23]. **PPR** [RdSH<sup>+</sup>24]. **Practical** [AKL<sup>+</sup>21, LACL24, KSIL22]. **pre** [HTH<sup>+</sup>20, YZZ<sup>+</sup>23]. **pre-processing** [YZZ<sup>+</sup>23]. **pre/post** [HTH<sup>+</sup>20]. **pre/post-processing** [HTH<sup>+</sup>20]. **precise** [MPSK21]. **Precision** [BHH<sup>+</sup>20, CKP<sup>+</sup>25, DS20, KAB<sup>+</sup>21, KGT22]. **preconditioners** [YYY22]. **preconditioning** [LJH<sup>+</sup>23, ZGSW24]. **predict** [KLD<sup>+</sup>21]. **Predicting** [Di 22, ST23b, CY24, CW22, LDGN24, RHW<sup>+</sup>21, ZHS<sup>+</sup>20]. **prediction** [HSLC24, SY25, ZZ21b, ZYC20]. **predictions** [BCCM<sup>+</sup>24, ECS23]. **predictive** [ZZ21a]. **preliminary** [WZK<sup>+</sup>24]. **preparation** [GAJK23]. **presence** [AB21, THH21]. **present** [Sjö20]. **preserving** [CWJ21, GGCW24, HA21, LW24, PGYF21, SJP<sup>+</sup>21b, XDF20, XQ21, ZYXC24]. **pressure** [BTK24, CS22a, JDD<sup>+</sup>21, NJSY22, NLS24, UJ21, XZLX20]. **pretrained** [Pen24, ZLY24]. **primitive** [Sva24]. **principal** [EGKH24, LS23, Yev21, FMT24]. **principle** [Jia20]. **Principles** [NI22, AM21a, BCTS22, Dan24, KvdW20, LLS<sup>+</sup>21, LLZ<sup>+</sup>22, MBTB21, MPN<sup>+</sup>21, Och23a, Och23b, PB23, SDL<sup>+</sup>21, TAE<sup>+</sup>21, XLX<sup>+</sup>24, YI22, YJLW21]. **printing** [JLW24]. **probabilities** [DRSZ23, LSC<sup>+</sup>25]. **Probability** [PYT<sup>+</sup>24, BKS24a, PLT<sup>+</sup>23]. **Probability-conserved** [PYT<sup>+</sup>24]. **probe** [AUO<sup>+</sup>22, AES21, OYG<sup>+</sup>24, YMCF23]. **probe-particle** [OYG<sup>+</sup>24]. **problem** [Ano20c, CdBMdAS<sup>+</sup>21, ELSV24, KK16, LLH<sup>+</sup>21b, SSB<sup>+</sup>23]. **problems** [AG21, ACS<sup>+</sup>22, ATC<sup>+</sup>23, BKP22, BSK<sup>+</sup>22, BDR<sup>+</sup>20, CJZ21, DNG<sup>+</sup>20, FAZ24, FYW23, HAM<sup>+</sup>20a, JRG21, JM24, KKPC23, LYZL24, LF20, LLL25, MM22, PGYF21, PPKK21, RCB<sup>+</sup>20, Scr22a, SGY24, SLC<sup>+</sup>22, TGS<sup>+</sup>20, VPS23, VHBK21, VTB<sup>+</sup>21, WWZ<sup>+</sup>23, WSK24, XLFL25, YYY22, ZJ23]. **procedure** [CEC<sup>+</sup>24, KM23]. **Process** [RBV<sup>+</sup>22, GAJK23, HA23, LJC<sup>+</sup>25]. **processes** [CRZ25, CF21, DAA<sup>+</sup>24, For22, GPD<sup>+</sup>22, HMSV23, HQRR20, KKS24, KMS20a, MBG<sup>+</sup>20, MT23, RCB21, SC22, WBvdH20, ZHM<sup>+</sup>24]. **Processing** [AGH21, AM21a, CEC<sup>+</sup>24, DC22, Ham20b, HTH<sup>+</sup>20, HCAH<sup>+</sup>24, KvH21, LR22, RdSH<sup>+</sup>24, SPTPR21, WGGC22, WICA22, WKJB23, YZZ<sup>+</sup>23]. **processor** [MPSK21, OLNG21]. **processor-based** [OLNG21]. **Procrustes** [MRT<sup>+</sup>22]. **produced** [MXH<sup>+</sup>24]. **product** [CCK23, GDB10, SKM<sup>+</sup>21, TWW22, XFGS24, YT22]. **Production** [AJW<sup>+</sup>21, AZH<sup>+</sup>24, BKBL22, GBJ<sup>+</sup>21, JWW<sup>+</sup>23, KOT23, SCA<sup>+</sup>24, YZW22, AEG<sup>+</sup>25]. **Professor** [Haz23]. **profiling** [Dry21, MMC<sup>+</sup>22]. **Program** [AJW<sup>+</sup>21, BBA<sup>+</sup>20, DL24, Dio23, Efr20, AKK<sup>+</sup>24, ADW<sup>+</sup>23, BOSM24, BDP<sup>+</sup>21, BN20, BN23, BYL<sup>+</sup>21, BKBL22, CPG<sup>+</sup>25, Cas24, CGZ<sup>+</sup>20, CGV<sup>+</sup>22, DDM20, FO20, FO21, Gai20, GTMB21, GM20, GJJN23, GFD<sup>+</sup>24, GSV23, Hor23b, Hor24, HHMH<sup>+</sup>22, HHT<sup>+</sup>24, KKM<sup>+</sup>20, Kol22, KM20, KMS20b, LSC<sup>+</sup>25, LGBJ20, Lzp<sup>+</sup>24, LQ21, LQGL21, MJB24, MSN<sup>+</sup>22, MONW21, MPZB<sup>+</sup>24, MZ22, NBC<sup>+</sup>24, NAZ<sup>+</sup>22, OYC24, PBK21, Roh22, RUV20, SLP<sup>+</sup>22, SMO<sup>+</sup>20a, SFBG20, SLZG20, SMB20, SLL<sup>+</sup>24, SZT24, UAWW25, WGG20, WLZ<sup>+</sup>24, WAYL23, fWL24b, Xav22, XWYQ21, YLLW24, YP24, YLH<sup>+</sup>20, ZLLM23, ZXT22, ZBS<sup>+</sup>23, ZXT23, ZJS<sup>+</sup>20,



ZZ21b, DBdFdSR21]. **programmed** [SKC21, SC22]. **programming** [EVMP20, ENK24, FSMM24, FLW<sup>+</sup>23, Par21]. **programs** [BKR22, FN23, KSDH23, KRG21, PW25, SZ24a, YSMBA23]. **project** [GAA<sup>+</sup>20, BMREC21]. **projected** [ATRD21]. **projection** [BIL25, ST23a]. **prolate** [SSB<sup>+</sup>23]. **Prometheus** [LMBH<sup>+</sup>24]. **Prompt** [PYT<sup>+</sup>24]. **propagate** [SLP<sup>+</sup>22]. **propagating** [BXW<sup>+</sup>25]. **propagation** [AAD<sup>+</sup>24, ASW22, CB25, Koz23, MHÅ21, MR22, MS24, Mau20, MD22, MZL<sup>+</sup>21, NRG24]. **propagator** [DZF25, Din25, LG21a, LG21b, Nog21a, PBC<sup>+</sup>24, RUV20]. **proper** [CSC25, RYS<sup>+</sup>24, TGS<sup>+</sup>20]. **Properties** [LY22, LPSK20, BSS<sup>+</sup>23, BBB20, BTW20, BRHT21, DCRF23, DIAA21, DSQ23, EL24, ENK24, FO21, FGCN<sup>+</sup>21, FLK<sup>+</sup>20, GGH<sup>+</sup>25, GLN23, KKPC23, KLM<sup>+</sup>22, LBM<sup>+</sup>23, MMP<sup>+</sup>24, Mar22, MPSK21, NAZ<sup>+</sup>21, NAZ<sup>+</sup>22, SMO<sup>+</sup>20a, SLK23, SP23, SLDF<sup>+</sup>21, TR22, VMRFC23, WGGC22, WV22, YNV22, YNV23, YKYK23, ZLLM23]. **property** [AUEO24, MM23, MMM20, MYKC23, SJWL22]. **Prophecy4f** [DDM20]. **PROPOSAL** [AAD<sup>+</sup>24]. **protein** [BBA<sup>+</sup>20, HL21, OCK<sup>+</sup>24, Ryd20, ZJS<sup>+</sup>20]. **Proteins** [HPP23, MBCC23]. **Protocol** [OSLC21, KMN21]. **proton** [Ada22, CWZ<sup>+</sup>24, GBJ<sup>+</sup>21, OYC24]. **proton-proton** [GBJ<sup>+</sup>21]. **protons** [SCA<sup>+</sup>24]. **Prototyping** [TPS<sup>+</sup>24]. **provider** [FQRR22, HQRR20]. **providing** [AIZ23]. **pseudo** [CHA21, CCW20, FRN21, LBRW22, MBCC23, YRNUV25, ZYXC24, ZLS<sup>+</sup>22]. **pseudo-deterministic** [CHA21]. **pseudo-improper-dihedral** [MBCC23]. **pseudo-spectral** [CCW20, FRN21, LBRW22, YRNUV25, ZYXC24, ZLS<sup>+</sup>22]. **PseudoDojo** [TIG<sup>+</sup>24]. **pseudopotential** [GC25]. **pseudopotentials** [BTW20, NVC20, SPMS23, TIG<sup>+</sup>24]. **pseudospectral** [RC23]. **PSGen** [Kol23]. **PSTD** [LKP21]. **PSTD-FDTD** [LKP21]. **PSTGF** [FCMB<sup>+</sup>20]. **public** [AAHJ20, SLP<sup>+</sup>22]. **pulse** [CML<sup>+</sup>24, MD22, WMM<sup>+</sup>24]. **pulsed** [Nie22a]. **PULSEE** [CNB<sup>+</sup>23]. **pulses** [BAB<sup>+</sup>20, Tan23]. **PUMAS** [Nie22b]. **pure** [SSD<sup>+</sup>22]. **pure-Python** [SSD<sup>+</sup>22]. **purpose** [ASPD<sup>+</sup>21, ABF<sup>+</sup>23b, DCRF23, DC22, HT20, Kol22, LVMGF<sup>+</sup>23, Wor20, ZWC22]. **pusher** [DML23, GH21, ZZ24]. **PV** [MFS<sup>+</sup>22]. **PWDFT.jl** [FASD20]. **PXLink** [ZBS<sup>+</sup>23]. **py** [BFT20, Kür23, PP23, BYWW23, LEE<sup>+</sup>24, BGHC23, MD22]. **Py-EFIT** [BYWW23]. **py-fmas** [MD22]. **PY-Nodes** [PP23]. **pyAPEP** [GAJK23]. **PyArc** [XLX<sup>+</sup>24]. **PYATB** [JPJ<sup>+</sup>23]. **PyBEST** [BLN<sup>+</sup>21, BBC<sup>+</sup>24]. **PyCharge** [FH22]. **PyCSP** [Gal22]. **pyDSM** [ECS23]. **pyerrors** [JKKN23]. **PyFitit** [MGG<sup>+</sup>20]. **PyFocus** [CMS22]. **PyFrac** [ZL20]. **Pyg4ometry** [WAN<sup>+</sup>22]. **pyGDM** [WMA<sup>+</sup>22]. **pyhf** [AKW21]. **pyHMA** [MPSK21]. **PyHoLo** [MZD<sup>+</sup>20]. **PyLCP** [EBNS22]. **PyLlama** [BVV22]. **PyLOM** [EMB<sup>+</sup>25]. **pyMCD** [LKK23]. **PyMikor** [Bar22b]. **pyMOE** [CQS<sup>+</sup>24]. **PyOECP** [YMC23]. **PyOpenCL** [MR22]. **PyPhotonics** [TR22]. **PyProcar** [HTH<sup>+</sup>20, LTT<sup>+</sup>24]. **PyR** [SS21a]. **Pyrough** [IGL<sup>+</sup>24]. **pySecDec** [HNOW25, HJJ<sup>+</sup>22, HJK<sup>+</sup>24]. **PySPOD** [RYS<sup>+</sup>24]. **PyStructureFactor** [SZNW23]. **pyTDGL** [Hor23a]. **PYTHIA**



[KL22, Sjö20]. **Python**

[AZH<sup>+</sup>24, AGMFGE23, ABGD<sup>+</sup>20, AYT<sup>+</sup>24, AM21a, AS24b, BYWW23, BVV22, Bie21, BGHC23, BLN<sup>+</sup>21, BYL<sup>+</sup>21, CZA<sup>+</sup>23, CMS22, CFPS23, CMLA25, DCRF23, DDW25, DBdFdSR21, EBNS22, ECS23, FH22, FPSZ21, Gal22, GHKW22, HS22, HHVB21, HTH<sup>+</sup>20, HQF<sup>+</sup>20, Hor23a, JKST22, JPJ<sup>+</sup>23, JKKN23, Kar23a, KWB<sup>+</sup>25, KH23, KKB<sup>+</sup>24, KVSC21, LEE<sup>+</sup>24, LKK23, LN23, LDW<sup>+</sup>21, LWV20, MD22, MRT<sup>+</sup>22, NT24, PP23, PP24, Pot24, RHLTG<sup>+</sup>22, RGS<sup>+</sup>21, RSPJ21, SLP<sup>+</sup>22, Sch21, SLB<sup>+</sup>23, SP23, SSD<sup>+</sup>22, SLDF<sup>+</sup>21, SZNW23, TR22, TQGE23, TMH<sup>+</sup>23, VCF22, WAN<sup>+</sup>22, WZZ<sup>+</sup>23, WBK<sup>+</sup>24, WAK22, WMA<sup>+</sup>22, WV22, XLX<sup>+</sup>24, ZGK<sup>+</sup>24, ZCS<sup>+</sup>24]. **Python-based** [AZH<sup>+</sup>24, ABGD<sup>+</sup>20, KKB<sup>+</sup>24, LEE<sup>+</sup>24, SLB<sup>+</sup>23]. **Pythonic** [BLN<sup>+</sup>21]. **PyTorch** [JS24]. **pywidgets** [VMRFC23]. **PyWolf** [MR22, MS24, Mag25]. **PyXtal** [FPSZ21].

**Q** [ZWC22]. **Q-POP-Thermo** [ZWC22]. **QBMM** [LMHL20]. **QCD**

[Dür23, EVFRHR23, FFLR20, FKK<sup>+</sup>21, HLM22, IKM<sup>+</sup>23, KM20, KMS20b, Kub24, LMWW24b, MBC<sup>+</sup>24, WSRO24]. **QCT** [Dju20]. **QDD** [DVC<sup>+</sup>22].

**QDT** [KMBP24]. **QED** [BKG<sup>+</sup>23, MT23]. **QEHeat** [MBTB21]. **qeirreps** [MONW21]. **QERaman** [HHT<sup>+</sup>24]. **QISG** [BPMMP24]. **QMeS** [PSW23].

**QMeS-Derivation** [PSW23]. **QMMM** [LZP<sup>+</sup>24]. **qocttools** [Cas24].

**QOptCraft** [AGMFGE23]. **QPAD** [LAD<sup>+</sup>21]. **QPC** [ZLMH23].

**QPC-TDSE** [ZLMH23]. **Qprop** [TB20]. **QRCODE** [COP<sup>+</sup>24]. **QRPA**

[BS25]. **QS** [UYS22]. **QSGS** [YLLW24]. **QSW\_MPI** [MW21]. **QTRAJ**

[OEI<sup>+</sup>22]. **quadratic** [Par21]. **Quadrature**

[LP24, GDS<sup>+</sup>21, GCWZ20, HFP21, LC24, MM23]. **quadrature-based**

[HFP21]. **quadratures** [ST23a]. **Quantics** [Wor20]. **quantification**

[KMG<sup>+</sup>20, TO21]. **quantitative** [BDP<sup>+</sup>21, Jab22a, MMC<sup>+</sup>22, MGG<sup>+</sup>20].

**quantities** [KKS24]. **Quantum**

[AMK24, ASW20, AYWKL24, DHE<sup>+</sup>24, HTN21, KPL<sup>+</sup>21, KK20, MONW21,

MYMK<sup>+</sup>21, UYS22, dBBVA20, vRCM21, AGMFGE23, ADW<sup>+</sup>23, ACS<sup>+</sup>22,

BPMMP24, BTG22, BLG24, CLY22, CNB<sup>+</sup>23, CPL21, Cas24, CDD22,

COW24, DH22, Dio23, FHD25, GJA21, GF23, GLB<sup>+</sup>21, HAM<sup>+</sup>20a, Hua23,

KSDH23, KSM<sup>+</sup>25, KMBP24, LZP<sup>+</sup>24, MW21, MAJ20, MOY<sup>+</sup>22, Nog21b,

OV23, PM21, PC21, Pot24, RMM21, RBWD<sup>+</sup>24, RBWD<sup>+</sup>25, RdMS25,

RRM<sup>+</sup>23, SLLA22, SDL<sup>+</sup>21, SZ23, SNG20, TMH<sup>+</sup>23, UD24, UAWW25,

VCHH23, WWS<sup>+</sup>25, WWDM20, WWJ<sup>+</sup>22, Wor20, WZC<sup>+</sup>24, WHSG24,

XFGS24, YJLW21, ZCS<sup>+</sup>24, DVC<sup>+</sup>22, HTN21, HHT<sup>+</sup>24]. **quantumfddt**

[DSSW22]. **Quark** [AJW<sup>+</sup>21, IKM<sup>+</sup>23, JWW<sup>+</sup>23, Dju20]. **quarkonium**

[OEI<sup>+</sup>22, YZW22]. **Quasi**

[KW23, LY24b, OCR<sup>+</sup>22, BR20b, DBH<sup>+</sup>22, LAD<sup>+</sup>21, MCP23, YZHL22].

**Quasi-exact** [KW23]. **Quasi-Helmholtz** [OCR<sup>+</sup>22]. **Quasi-optimal**

[LY24b]. **quasi-static** [BR20b, DBH<sup>+</sup>22, LAD<sup>+</sup>21]. **quasi-transport**

[YZHL22]. **quasi-two** [MCP23]. **quasicrystals** [Yan24a]. **quasiharmonic**

[LDW<sup>+</sup>21]. **quasiparticle** [BN20, BND22, BN23, SLZG20]. **quasistationary**



[CF21]. **qubit** [RBWD<sup>+</sup>25]. **QuDPy** [SLB<sup>+</sup>23]. **quench** [KCJX24].  
**quenching** [BMR<sup>+</sup>24a]. **Questaal** [PAL<sup>+</sup>20]. **QuGIT** [BTG22]. **quick**  
[SCR<sup>+</sup>22b]. **quickly** [FO20, FO21, ZYL<sup>+</sup>23]. **QuOCS** [RRM<sup>+</sup>23]. **qvasp**  
[YTC<sup>+</sup>20].

**Rabi** [MBA21, RVM<sup>+</sup>21]. **Rabi-coupled** [MBA21, RVM<sup>+</sup>21]. **Racah**  
[DLD<sup>+</sup>21]. **radial** [BA24, LGDF20, LM22, NTO24, SLE<sup>+</sup>22]. **radiation**  
[ASPD<sup>+</sup>21, Arn20, COJ<sup>+</sup>22, CZX<sup>+</sup>21, DRM20, DFP<sup>+</sup>20, GAGO21,  
LLH21a, LMMP23, MXH<sup>+</sup>24, NS20, Nie20, OBGA24, PLT<sup>+</sup>23, PSMRS<sup>+</sup>23,  
RDC<sup>+</sup>20, Sij23, WAN<sup>+</sup>22]. **radiations** [Roh22]. **radiative**  
[BKG<sup>+</sup>23, FXQS21, KSIL22, SJWL22, XLX<sup>+</sup>24]. **Radio**  
[BBLB<sup>+</sup>25, KM23, MMP20, PSMRS<sup>+</sup>23]. **radio-frequency**  
[KM23, MMP20]. **radioactive** [PMS<sup>+</sup>20a]. **RadLib** [SJWL22]. **Raman**  
[HHT<sup>+</sup>24, KSG22, ZJM<sup>+</sup>25]. **random**  
[AYI<sup>+</sup>24, BND22, KW23, TRB<sup>+</sup>20a, RBV<sup>+</sup>22]. **random-field** [KW23].  
**randomized** [LMHUR23]. **randomly** [LDGN24, YYZ<sup>+</sup>22]. **range**  
[DL24, FHD25, GSBN22, HG22, VXT<sup>+</sup>23]. **rank** [CE22, CL22a, VPS23].  
**RANS** [VLS22]. **RANSBox** [MOMO25, MOMO24]. **Raphson** [AG21].  
**Rapid** [NSU20, BMI23, MOA24]. **rapidly** [TPCT22]. **rare**  
[DRSZ23, SJP<sup>+</sup>21b, SKC21]. **rare-event** [SJP<sup>+</sup>21b]. **rarefied**  
[CAWK22, KPJ24, MEC<sup>+</sup>24]. **rarefiedMultiphaseFoam** [CAWK22].  
**RASCBEC** [ZJM<sup>+</sup>25]. **Rate** [MDDI21, FCTFR20, JG24, KFC<sup>+</sup>20, SC22].  
**rates** [HYL<sup>+</sup>22, LGBJ20, MES<sup>+</sup>24, MPZB<sup>+</sup>24, SZNW23]. **rational**  
[AKL<sup>+</sup>21, DEdM24, KL20, KKL21]. **rationalization** [BWW20].  
**RationalizeRoots** [BWW20]. **ray**  
[CB25, CML<sup>+</sup>24, FXQS21, GRP<sup>+</sup>25, GSL<sup>+</sup>23, Hua24, Jab22a, MKPW21,  
MKPW22, Mau20, SHS22, SPF21, SBG23, WWM<sup>+</sup>22, WKJB23, sXBkB<sup>+</sup>22].  
**ray-tracing** [FXQS21, SHS22]. **Rayleigh** [LY24a]. **rays** [GB24, MNS<sup>+</sup>24].  
**RC** [BKG<sup>+</sup>23]. **RCWA4D** [LF25]. **RDM** [PFG22]. **Re** [YC20, OS24].  
**re-orientation** [OS24]. **Re-splitting** [YC20]. **REACTER** [GJW24].  
**reacting** [Gal22, MLZ<sup>+</sup>23, NJSY22, RCX24, TPK<sup>+</sup>21]. **reaction**  
[AYB24, BB24b, FLW<sup>+</sup>23, GMZ<sup>+</sup>20, MPZB<sup>+</sup>24, PTH24, RdMS25, XDF20].  
**reaction-diffusion** [BB24b]. **reaction-diffusion-wave** [GMZ<sup>+</sup>20].  
**reactions** [AHM<sup>+</sup>23, OYC24, SW23]. **reactive**  
[AS22, ADW<sup>+</sup>23, CNS22, GJW24, GP22, MPH<sup>+</sup>24, MRG22]. **reactive-flow**  
[CNS22]. **reactivities** [Xie23]. **reactor**  
[AG23, LLC<sup>+</sup>23, SBZ23, WLL22, XLL<sup>+</sup>22, Zho23]. **reactor-scale** [SBZ23].  
**reactors** [TBAR21]. **reading** [HGT24]. **ready** [SMB20]. **Real**  
[MVK<sup>+</sup>24, NJSY22, WKJB23, BW23, COP<sup>+</sup>24, DVC<sup>+</sup>22, DHE<sup>+</sup>24,  
HLMB24, LKP24, MSHP02, MSHP20, OSE<sup>+</sup>20, PD24, SLZY21, SCF20].  
**Real-fluid** [NJSY22]. **real-space** [BW23, DVC<sup>+</sup>22, LKP24, SLZY21].  
**Real-Time**  
[MVK<sup>+</sup>24, WKJB23, COP<sup>+</sup>24, DVC<sup>+</sup>22, DHE<sup>+</sup>24, HLMB24, PD24, SCF20].  
**realistic** [CMS22, KGN<sup>+</sup>21, YCC22]. **realizable** [PLF20]. **Receiver**



[CTPS22]. **reciprocity** [WXZH24]. **Reconnoitering** [LSZ23].  
**Reconstructing** [KL20, YYZ<sup>+</sup>22, TSV<sup>+</sup>25]. **Reconstruction** [DBV<sup>+</sup>24, OBK<sup>+</sup>20, AAB<sup>+</sup>21, AWV22, AWV24, AdM20, ABF<sup>+</sup>23b, BYWW23, BIL25, BCSS24, FCdNA25, GOS<sup>+</sup>22, LNP<sup>+</sup>24, PMS<sup>+</sup>20a, RCW<sup>+</sup>20, SWZ23, SS21b, TGGC23, TRN<sup>+</sup>24, TWW22, VLS22, YLK21, ZGF<sup>+</sup>24, BBV<sup>+</sup>22].  
**record** [BIK<sup>+</sup>21]. **recording** [RMR<sup>+</sup>22]. **recreation** [CEC<sup>+</sup>24].  
**rectangular** [MSH22]. **recurrences** [SRML20]. **Recursive** [BHSS25, EGKH24, XFH<sup>+</sup>22]. **redistribution** [RCS21, YGSW21]. **reduced** [BGR23, EMB<sup>+</sup>25, HCAH<sup>+</sup>24, LSC<sup>+</sup>25, PPR<sup>+</sup>21, YYH21, ZSqXY21].  
**reduced-space** [YYH21]. **Reducing** [GJA21, LWS<sup>+</sup>23]. **reduction** [CHA21, KLMU21, PLT<sup>+</sup>23, RUV20, SZ24b, VHBK21, SC20]. **reductions** [GHL23]. **redundant** [CZB<sup>+</sup>23]. **refined** [LW24]. **Refinement** [OSLC21, ASC<sup>+</sup>24, FAL20, FAL21, PG23]. **reflection** [Arn20, CGV<sup>+</sup>22, Dan24, HMYH22, HSO<sup>+</sup>22]. **reflective** [KYH24].  
**reformulated** [LSW<sup>+</sup>20]. **reformulations** [HWZ24]. **refractive** [BMR<sup>+</sup>24b]. **Regge** [AS22]. **regime** [BMT23]. **regimes** [LSW<sup>+</sup>20, MMFdL21, YZ20b]. **region** [HJGL22, LJH<sup>+</sup>23, Yan21a]. **regions** [ADH<sup>+</sup>20, ABFP24, HJJ<sup>+</sup>22]. **Regression** [RBV<sup>+</sup>22, CWZ<sup>+</sup>24, LM22].  
**regressors** [KHKL24]. **regularization** [SKS24]. **regularized** [KRE22].  
**reinforced** [SRK<sup>+</sup>24]. **reinforcement** [KKY24]. **related** [KLM<sup>+</sup>22, MMP<sup>+</sup>24, WW21, WGGC22]. **relation** [BXW<sup>+</sup>25, LLY<sup>+</sup>22, LB24, MEC<sup>+</sup>24]. **relations** [WBM<sup>+</sup>24]. **relationships** [ÖAÖ24]. **Relativistic** [KKLZ23b, SLE<sup>+</sup>22, Bag22, BN20, BN23, BAB<sup>+</sup>20, DTC20, DSSW22, DH20, GK21, KKLZ23a, Kul20, LMX<sup>+</sup>21, LMMP23, MGC<sup>+</sup>23, MHP23, Nie20, UZB22, YZL<sup>+</sup>23, YNMR24, YKY<sup>+</sup>22, ZZ24].  
**relativity** [CFPS23, Tor20, ZLWBH25]. **Relaxation** [PGS<sup>+</sup>24, NNMJ22].  
**relaxed** [ZPZH20]. **release** [FGCN<sup>+</sup>21]. **relevant** [WHH25, YGSW21].  
**reliability** [AM21b, LTT<sup>+</sup>24]. **reliable** [LBM<sup>+</sup>23, ZWC<sup>+</sup>20]. **ReMKiT1D** [MPH<sup>+</sup>24]. **removal** [GBH20, Hor24]. **ReneSANCe** [BDK<sup>+</sup>23, SY20].  
**ReneSANCe-v1.0.0** [SY20]. **ReneSANCe-v1.3.0** [BDK<sup>+</sup>23].  
**Renormalisation** [LS21b, DH22, IPSW24]. **renormalization** [CFBRE24, CPL21, JS24, YS22]. **reordering** [Ume22]. **replica** [RCS21, XLKX21, YLIO22]. **replica-permutation** [YLIO22].  
**Representation** [BFL<sup>+</sup>22, FKS20, RBV<sup>+</sup>22, CLS<sup>+</sup>22a, Jab24, KCS22, SXYD24].  
**representations** [ABFP24, GWPW21, Gon22, IMB<sup>+</sup>22, LCZ<sup>+</sup>21, MONW21]. **representing** [MM23, RBV<sup>+</sup>22]. **Reproducibility** [RDV<sup>+</sup>20]. **repulsion** [CXCZ23].  
**resampling** [MBE<sup>+</sup>21]. **research** [AMA<sup>+</sup>20, DBE<sup>+</sup>24, Di 22, DP21].  
**reservoir** [ZYLL24]. **resistive** [ZJM<sup>+</sup>21]. **ResNet** [Cel24]. **ResNet-50** [Cel24]. **resolution** [EGLK20, LU21, SLL22, ZLK25, ZRZ<sup>+</sup>21]. **Resolved** [WS20, CHY<sup>+</sup>24, LR22, MZL<sup>+</sup>24]. **resolving** [GSL24, GB22]. **Resonance** [BMR<sup>+</sup>23, AS22, CNB<sup>+</sup>23, FYM<sup>+</sup>22, HRU22, HHT<sup>+</sup>24, WXX24].  
**resonances** [CH25, GTMB21]. **resonators** [Hoh24, JYL<sup>+</sup>23, WAYL23].



**RESPACK** [KMY<sup>+</sup>23, NYN<sup>+</sup>21]. **response** [ACD<sup>+</sup>22, BM22, BND22, SLZY21]. **responses** [SLB<sup>+</sup>23]. **REST** [ACD<sup>+</sup>22]. **REST-for-Physics** [ACD<sup>+</sup>22]. **restricted** [YM21]. **restructuring** [TDR<sup>+</sup>20]. **results** [HSLC24, KOT23]. **resummation** [ABB<sup>+</sup>22]. **Rethinking** [SWZ23]. **reticulated** [SFKC22]. **retQSS** [SFKC22]. **reuse** [CCC20]. **reverse** [BRAC23, HT24]. **reversible** [KP23]. **revertible** [Nie23]. **revised** [SLL<sup>+</sup>24, ZZC20]. **revisited** [TÁFAB<sup>+</sup>24]. **Revisiting** [YZL<sup>+</sup>23]. **revolution** [NTO24]. **revolutions** [GdSPC22]. **REvolver** [HLM22]. **reweighting** [Kub24, SJP<sup>+</sup>21b]. **Reynolds** [MOMO25, MD21, MOMO24, VPPQ<sup>+</sup>24]. **Reynolds-averaged** [MOMO25, MOMO24]. **RF** [BGW<sup>+</sup>22, SS22]. **RF-transpond** [BGW<sup>+</sup>22]. **RGB** [GOS<sup>+</sup>22]. **RGE** [DH22]. **RHDLPP** [MXH<sup>+</sup>24]. **RHEED** [DZZ21, Dan23, DDW25, HMYH22]. **rheology** [ECS23]. **rheometer** [SPTPR21]. **RHMC** [Kub24]. **RI** [BMR<sup>+</sup>24b]. **RI-Calc** [BMR<sup>+</sup>24b]. **rich** [ABK<sup>+</sup>22, EES24]. **RichardsFoam** [Org22]. **RichardsFoam3** [Org22]. **Riemann** [CK20b, LMMP23, XLFL25]. **Riemann-Theta** [CK20b]. **Rigid** [OAP<sup>+</sup>24, SXYD24]. **Rigidity** [HS22]. **rigidPy** [HS22]. **rigorous** [MZL<sup>+</sup>21]. **RMC** [LHWX24]. **RMT** [BAB<sup>+</sup>20]. **Robust** [AACE<sup>+</sup>21, CSC25, SBP20, HGT24, IUJ21, YKJ<sup>+</sup>24]. **ROC2.wl** [ABFP24]. **rocking** [DZZ21]. **rocks** [XBL<sup>+</sup>20]. **Roche** [MMC<sup>+</sup>21]. **rogue** [WXY20]. **role** [SCA<sup>+</sup>24]. **ROOT** [ACD<sup>+</sup>22, TPS<sup>+</sup>24]. **ROOT-based** [ACD<sup>+</sup>22, TPS<sup>+</sup>24]. **roots** [BWW20]. **Rosenbluth** [KSJ<sup>+</sup>22]. **RoseNNa** [BB24a]. **rotating** [BJL<sup>+</sup>24, GTA21, MBA21, TPCT22]. **rotation** [CCW20, CWJ21, LZ21, ZYXC24]. **rotation-two-component** [ZYXC24]. **rotational** [BGHC23, GTMB21, WLX24, WGS<sup>+</sup>22, dVAR<sup>+</sup>24]. **rotational-vibrational** [GTMB21]. **rotor** [SW25]. **rough** [IGL<sup>+</sup>24, YYZ<sup>+</sup>22]. **routine** [MN21]. **routines** [HW22, KOT23, SSH<sup>+</sup>23]. **RPCs** [DBM<sup>+</sup>24]. **RS** [RBV<sup>+</sup>22]. **RS-HDMR-GPR** [RBV<sup>+</sup>22]. **RSA** [JP24]. **RTGW2020** [PWD22]. **rules** [CS22b, DPR<sup>+</sup>20, DRR<sup>+</sup>24, Nog21b, ZHS<sup>+</sup>20]. **runaway** [DTC20, HEF21]. **Runge** [KBSL22, KFC<sup>+</sup>20]. **running** [HLM22, WLZ<sup>+</sup>24]. **Rutherford** [LGK<sup>+</sup>22]. **Rydberg** [MMV<sup>+</sup>24]. **RydIQule** [MMV<sup>+</sup>24].

**S** [CCK23, Pen24, VMRFC23, LW24, MZV23, YK21a]. **S-FDTD** [LW24]. **S-SAV** [YK21a]. **S3D** [MEH21]. **saddle** [CJZ25]. **SAFARI** [JS22]. **safety** [KJL<sup>+</sup>23]. **Salpeter** [ZAW<sup>+</sup>21]. **samples** [IGL<sup>+</sup>24, ZDLS21]. **Sampling** [CK20b, KvH21, RBV<sup>+</sup>22, AM21b, Gon22, HSMR<sup>+</sup>24, JP24, SJP<sup>+</sup>21b, TCCN23, XLKX21]. **SANCphot** [BKS24b]. **SANTA** [KJL<sup>+</sup>23]. **São** [CCG21]. **Sar** [ST23b]. **Saran** [BP25]. **Sarkas** [SSD<sup>+</sup>22]. **SAT** [MKHT20]. **satellite** [GG24]. **satellites** [SCMP<sup>+</sup>22, SCR<sup>+</sup>22b]. **SATLAS2** [GvdBdGN24]. **saturated** [HRG<sup>+</sup>22]. **saturated/unsaturated** [HRG<sup>+</sup>22]. **saturation** [UYS22]. **SAV** [GZW20, WYT23, YK21a]. **Savart** [SSH<sup>+</sup>23]. **SBETHE** [SA23]. **scalability** [BGR23]. **Scalable** [LYC20, PPKK21, DTC20, DC22, HAA<sup>+</sup>20, KKPC21, MAJ20, OCK<sup>+</sup>24,



OLNG21, RLW<sup>+</sup>24, YCC22, ZYLL24]. **scalar**  
 [ABH<sup>+</sup>23, BBH<sup>+</sup>23, CS22b, FFTV23, MCMS24, WYT23, YK21a].  
**scalar-tensor** [MCMS24]. **scale** [BSC<sup>+</sup>21, BC22, BDR<sup>+</sup>20, CB23, CGSO20,  
 CTZW23, EVFRHR23, FJ22, FWL<sup>+</sup>24a, GSL24, GB22, HXS20, HRG<sup>+</sup>22,  
 HSA22, KCJX24, KKPC23, KFHR24, LBRW22, LKP21, LZK<sup>+</sup>23, LG23,  
 LU21, MDR<sup>+</sup>20, OSK<sup>+</sup>21, PLT<sup>+</sup>23, RL21, SRT<sup>+</sup>25, SBZ23, TPCT22,  
 VTB<sup>+</sup>21, WA21, YCC22, YJLW21, YRNUV25, YGSW21, ZMC23].  
**scale-resolving** [GSL24, GB22]. **scale-separated** [TPCT22]. **scaled**  
 [BR20a, YJ24]. **ScaleLat** [LLL<sup>+</sup>24a]. **scales** [MTW<sup>+</sup>24, TAB<sup>+</sup>22]. **scaling**  
 [BR20a, CXCZ23, RDZ<sup>+</sup>20, SLZY21, Zeb22]. **scan** [SZ24a]. **scanning**  
 [AUO<sup>+</sup>22, OYG<sup>+</sup>24, ZW20]. **scans** [GJ24]. **scatterer** [WZZS21]. **Scattering**  
 [AB21, AZH<sup>+</sup>24, ADW<sup>+</sup>23, BFCR24, BDA<sup>+</sup>20, BTW20, BKG<sup>+</sup>23, GTMB21,  
 GJJN23, Hal21, HYL<sup>+</sup>22, HSLC24, HJK<sup>+</sup>24, HBM<sup>+</sup>24, Jab22b, Jab24, JS22,  
 KC21, KRL<sup>+</sup>24, MBJB24, MASFP25, PBK21, RCB21, Roh22, SJP21a,  
 SMB20, SCA<sup>+</sup>24, YYZ<sup>+</sup>22]. **SCELib4.0** [SMO<sup>+</sup>20a]. **SCELT** [MG22].  
**scheme**  
 [ADdM20, BPMS25, CZY20, FN21, Gai20, GDS<sup>+</sup>21, GMZ<sup>+</sup>20, Kul20,  
 KBSH20, LF24, LSW<sup>+</sup>20, LHC20, LHG24, LLH<sup>+</sup>21b, MM23, MA24, MRN20,  
 PLF20, PGYF21, Sij23, Tan23, Tan24, THH21, WJB21, WDMZ24, WLX24,  
 XZLX20, Yan21b, YZ20b, ZCWY20, ZWP<sup>+</sup>22, ZGSW24, ZPL<sup>+</sup>24, KWZ24].  
**schemes** [CJW21, GZW20, KBSL22, LM21a, LW24, SP20, SBZ23, ZX23].  
**Schrieffer** [PTD20]. **Schrödinger** [BV21, BCGT24, BAB<sup>+</sup>20, Car25,  
 DSSW22, GTA21, GSLS20, GGCW24, Koz23, LY24b, Pöt20, RS20, SGS23,  
 SP20, SLZ<sup>+</sup>24, Scr22a, SCL22, WXY20, ZS24]. **Schrödinger-like** [Scr22a].  
**Schrödinger-type** [Pöt20]. **Schur** [ZYLL24]. **Schur-complement**  
 [ZYLL24]. **science** [DBBP23, HJM<sup>+</sup>20, XLG<sup>+</sup>23]. **sciences** [BMREC21].  
**scientific** [PMA<sup>+</sup>21, PP21, WICA22]. **scintillating** [AAB<sup>+</sup>21]. **scintillator**  
 [KTKK25]. **Scott** [Haz23, JLW24]. **scrape** [MPH<sup>+</sup>24, MAMK21]. **scrape-off**  
 [MPH<sup>+</sup>24, MAMK21]. **Screener** [LCB25]. **scripts** [HBM<sup>+</sup>24]. **SCTBEM**  
 [YJ24]. **SDE** [MNS<sup>+</sup>24]. **sdfibm** [Zha20]. **sDMD** [ZJS<sup>+</sup>20]. **Seamless**  
 [ANU21]. **search**  
 [BFD22, CJZ25, GUAD22, HZ24, LS23, VZ20, YK21b, ZHS<sup>+</sup>20]. **searches**  
 [WBK<sup>+</sup>24]. **searching** [Gai20, LKK23, LCB25, PP23, PP24, XSM22].  
**Second** [KSF<sup>+</sup>22, AIZ23, BDF<sup>+</sup>25, DEdM24, KBB21, KPJ24, KD23, LM21a,  
 PLF20, SKEZ24a, WJB21, Yan21b, ZCWY20, ZZZ<sup>+</sup>20]. **second-degree**  
 [WJB21]. **second-harmonic** [SKEZ24a]. **Second-order**  
 [KSF<sup>+</sup>22, BDF<sup>+</sup>25, KBB21, KPJ24, KD23, LM21a, PLF20, Yan21b, ZZZ<sup>+</sup>20].  
**secondary** [KOT23, NG21]. **section**  
 [Jab24, PYT<sup>+</sup>24, SY20, ST23b, WLL22]. **sections**  
 [AS22, AYB24, BFMA<sup>+</sup>24, Hor24, SLLA22, ZGK<sup>+</sup>24]. **sector**  
 [BHH<sup>+</sup>20, BP21]. **sectors** [KKM<sup>+</sup>20, BMM21]. **seeding** [AAB<sup>+</sup>21]. **seeker**  
 [NA20]. **SEFFO** [LCB25]. **segmented** [KTF22]. **segmentor** [VPZH24].  
**seismic** [RRC<sup>+</sup>24, Yan24b]. **SeismicNet** [RRC<sup>+</sup>24]. **selection**  
 [GSBN22, WSRO24, ZLV23]. **selective** [UJ21]. **Self**



[HTK24, Kut20, LDGN24, LM20, PCB<sup>+</sup>25, vRCM21, BN20, BN23, DG25, DGHA25, FH22, IYP<sup>+</sup>25, KSM<sup>+</sup>25, WLF<sup>+</sup>24, WGS<sup>+</sup>22, YLP<sup>+</sup>24, ZGSW24]. **self-avoiding** [WGS<sup>+</sup>22]. **Self-Consistent** [vRCM21, HTK24, Kut20, BN20, BN23, DG25, FH22, IYP<sup>+</sup>25, KSM<sup>+</sup>25, ZGSW24]. **self-energy** [DGHA25]. **Self-force** [LM20]. **Self-improving** [PCB<sup>+</sup>25]. **self-interstitial** [WLF<sup>+</sup>24]. **Self-optimization** [LDGN24]. **self-organized** [YLP<sup>+</sup>24]. **Semi** [Ein20, Mau20, BTK24, BAB<sup>+</sup>20, BKG<sup>+</sup>23, CB25, GTB24, HPAW21, KBB21, KVSC21, LLL25, MMCC<sup>+</sup>22, PLT<sup>+</sup>23, RRC<sup>+</sup>24, SN23, SRE<sup>+</sup>24, TKS22, MZV23]. **semi-analytic** [PLT<sup>+</sup>23]. **Semi-analytical** [Mau20, CB25, MZV23]. **semi-bounded** [HPAW21]. **semi-empirical** [KVSC21, MMCC<sup>+</sup>22]. **semi-implicit** [BTK24, GTB24, KBB21, SN23, TKS22]. **semi-inclusive** [BKG<sup>+</sup>23]. **semi-infinite** [LLL25, RRC<sup>+</sup>24]. **Semi-Lagrangian** [Ein20, SRE<sup>+</sup>24]. **semi-relativistic** [BAB<sup>+</sup>20]. **semiclassical** [GLB<sup>+</sup>21]. **semiconductor** [BMI23]. **semiconductor-liquid** [BMI23]. **semiconductors** [AM21a, DIAA21, HM24a, HM24b]. **semiflexible** [WGS<sup>+</sup>22]. **semimetals** [SLBR22]. **semitransparent** [FXQS21]. **sensitivity** [FA21, GdPSH25, HSO<sup>+</sup>22, PCS<sup>+</sup>23, SMC<sup>+</sup>22]. **sensors** [MMV<sup>+</sup>24]. **separated** [TPCT22]. **separations** [GDK21]. **September** [Ano20y, Ano21x, Ano22x, Ano23x, Ano24x]. **Seq** [WYZZ23]. **Seq-SVF** [WYZZ23]. **sequential** [Par21, Yan23]. **serial** [KFHR24]. **Series** [Jab24, ABFP24, ABD<sup>+</sup>23, CY24, EBBB22, Hid21]. **Serpent** [Kal20]. **server** [BMR<sup>+</sup>23, BMR<sup>+</sup>24b]. **SESCA** [NG21]. **set** [CNB<sup>+</sup>23, CS22b, FA20b, FN23, HWAA22, JZW<sup>+</sup>22, SW25, XHY<sup>+</sup>24, YYH21, YJLW21, YZZ<sup>+</sup>23]. **SFQEDtoolkit** [MT23]. **Shafranov** [AIZ23, ELSV24, HSB<sup>+</sup>24, LZ21, SVSC20]. **shallow** [CEKR24, DS22, STA20]. **Sham** [JZW<sup>+</sup>22, LG23, YT23]. **SHAPE** [ANU21, MZL<sup>+</sup>24, PCL24, WYHW24, ZTV<sup>+</sup>24, ANU21]. **shaped** [LNB23, MHK24a]. **shared** [EVMP20, MLT<sup>+</sup>21, ZWZ<sup>+</sup>22]. **shared-memory** [EVMP20, MLT<sup>+</sup>21]. **sharp** [HWAA22, RPGG25]. **sharp-interface** [HWAA22]. **Shaw** [Yan21b]. **shear** [MES<sup>+</sup>24, SPTPR21]. **Sheared** [FMHH24]. **sheaths** [KM23]. **Shell** [MAJ20]. **ShengBTE** [HYL<sup>+</sup>22, MPN<sup>+</sup>21]. **shield** [COJ<sup>+</sup>22]. **shielding** [CZX<sup>+</sup>21]. **shields** [LJC<sup>+</sup>25]. **shift** [GRCT20, PBK21, WSRO24]. **shifted** [HKY<sup>+</sup>21]. **shifts** [SOH<sup>+</sup>23]. **shock** [LF24, MDZ24]. **shock-capturing** [LF24]. **shooting** [JM24]. **short** [CML<sup>+</sup>24, GSBN22, VXT<sup>+</sup>23]. **short-range** [GSBN22, VXT<sup>+</sup>23]. **shortcut** [ZHS<sup>+</sup>20]. **Shortest** [KDHL23]. **SHORYUKEN** [CSW24]. **shot** [TCcN23]. **shot-noise** [TCcN23]. **Shower** [LAC21, BP21, Roh22]. **Showers** [ABF<sup>+</sup>23b]. **SIDES** [BDA<sup>+</sup>20]. **SIDIS** [BKG<sup>+</sup>23]. **SIDIS-RC** [BKG<sup>+</sup>23]. **SIESTA** [Soz21]. **signal** [ADH<sup>+</sup>20, ABF<sup>+</sup>23b, Cel24, MD22]. **signals** [ET24, JKST22]. **signed** [TGBM22, Zha20]. **significance** [CTPS22]. **significant** [ZHZ<sup>+</sup>23]. **silver** [SKS24]. **Sim** [BMP<sup>+</sup>24, BMR<sup>+</sup>24a, HMYH22]. **sim-trhepd-rheed** [HMYH22]. **SIMD** [KMRB24]. **Simflowny** [PMA<sup>+</sup>21]. **similarity**



[BBV23, MRT<sup>+</sup>22]. **Simple**  
 [CF21, GJ24, LXY<sup>+</sup>21, WXY20, ZD25, AES21, GFH23, LBM<sup>+</sup>23, MWJL23, MBC<sup>+</sup>24, PC21, Sat21, WT22, Xie23, ZZZ<sup>+</sup>20, ASW20]. **SimpleBounce**  
 [Sat21]. **simplex** [DBV<sup>+</sup>24, PP23]. **simplification** [ANU21, Gal22, SZ24b].  
**simplified** [CLEPF23]. **Simplifier** [LS21b]. **simplifying** [XWYQ21].  
**simulate** [BFI<sup>+</sup>21, DBM<sup>+</sup>24, GSBN22, LGK<sup>+</sup>22, MD20b, SHS22, ZWZ<sup>+</sup>22].  
**simulated** [MMFdL21, TRN<sup>+</sup>24]. **SIMULATEQCD** [MBC<sup>+</sup>24].  
**Simulating** [BLG24, DG20, Gar21, PMSHG23, LLG<sup>+</sup>24, BMR<sup>+</sup>24a, BFT20, BM22, MHÅ21, MR22, MP21, PD23, Sch21, SCL22, SJY18, SJY20, TLC<sup>+</sup>21, TMH<sup>+</sup>23, XFH<sup>+</sup>22, ZGZ<sup>+</sup>25, ZYML24, ZCS<sup>+</sup>24]. **Simulation**  
 [CMJC21, CJ21, EMM<sup>+</sup>23, KHR<sup>+</sup>23, RMM21, RdSH<sup>+</sup>24, WXW<sup>+</sup>21, ABGD<sup>+</sup>20, ARLDG24, ASPDL<sup>+</sup>21, AFB<sup>+</sup>24b, ABB<sup>+</sup>24b, ASC<sup>+</sup>21, Bak23, BOSM24, BBLB<sup>+</sup>25, BCF<sup>+</sup>24, BMP<sup>+</sup>24, BMSP21, BB24b, BKO20, BMT<sup>+</sup>20, BLM<sup>+</sup>22, BKS24b, BCD<sup>+</sup>21, BYL<sup>+</sup>21, BKBL22, CNB<sup>+</sup>23, CCM20, CE22, CLZ<sup>+</sup>21, CSBF23, DML23, DVB<sup>+</sup>25b, DVB<sup>+</sup>25a, DBR24, Ein20, EOR21, FTZ<sup>+</sup>23, FGCN<sup>+</sup>21, FN23, FYM<sup>+</sup>22, GLW<sup>+</sup>23, GRP<sup>+</sup>25, GWA<sup>+</sup>23, GBD<sup>+</sup>22, GB20, GP22, HT20, HMSV23, HSA22, JS22, JDD<sup>+</sup>21, KTF22, Kan23, KTKK25, KF23, Ken25, KMBP24, KGT22, Kul20, KNJ<sup>+</sup>23, LBS<sup>+</sup>23, LMBH<sup>+</sup>24, LKP21, LLT<sup>+</sup>23, LLC<sup>+</sup>23, LZK<sup>+</sup>23, LY24a, LZZ<sup>+</sup>25, LF24, LLL24b, LJQ<sup>+</sup>22, LWC<sup>+</sup>21, MTW<sup>+</sup>24, MES<sup>+</sup>24, MHK24a, MW21, MZL<sup>+</sup>24, MHK24b, MAMK21, MRG22, MDZ24, NS20, NSY<sup>+</sup>23, Nie20, Nie22a, NRG22, OBC<sup>+</sup>24, ODU24, OV23, PMA<sup>+</sup>21, PK24, PFG22, QCZ23, RLW<sup>+</sup>24, RSD20, RDH<sup>+</sup>20]. **simulation** [RMCC22, RCB21, RS20, SRT<sup>+</sup>20, SD24, SRC21, SFKC22, SNP<sup>+</sup>20, SJ20, SKYQ21, SS22, SLIC24, SPF21, STRF<sup>+</sup>20, SWTC23, SW25, Tan24, TL20, TAB<sup>+</sup>22, TCcN23, eSdSBST21, VCHH23, WICA22, WLF<sup>+</sup>24, WAK22, WLF<sup>+</sup>23, XBL<sup>+</sup>20, XZYS25, XHY<sup>+</sup>24, YCC22, YYC<sup>+</sup>23, YSX<sup>+</sup>20, YC20, YR21, ZMC23, ZK20, ZHI23, ZBS<sup>+</sup>23, ZYLL24, ZZ21a, ZYX21, ZYX22, ZJS<sup>+</sup>20, ZGW20, dSOZ22, SGM<sup>+</sup>20]. **simulations**  
 [AHP21, AALK20, BDC<sup>+</sup>25, BL21, BTK24, BCTS22, BR20b, BC22, BFG24, BGR23, CLY22, CB23, CGSO20, CTZW23, CZTF23, CHY<sup>+</sup>24, CCW<sup>+</sup>25, CF21, Cos22, CJD<sup>+</sup>20, CNS22, Dan23, DDW25, DTGE21, DL24, DWD<sup>+</sup>24, DAA<sup>+</sup>24, DKM<sup>+</sup>24, FN21, FLS25, FDPT23, FRN<sup>+</sup>23, FFTV23, FH22, FFLR20, GAJK23, GSL24, Gon22, GB22, GAS<sup>+</sup>23, GMZ<sup>+</sup>20, Hal21, Ham20b, HTL<sup>+</sup>22, HyLF23, HEF21, IGL<sup>+</sup>24, JGJ20, KPR<sup>+</sup>24, KWZ24, KCJX24, KBSL22, KSJ<sup>+</sup>22, KP23, KGN<sup>+</sup>21, KPL<sup>+</sup>21, KMG<sup>+</sup>20, KYH24, LBRW22, LBM<sup>+</sup>23, LAD<sup>+</sup>21, LS24, LZP<sup>+</sup>24, LM20, LSS<sup>+</sup>25, MMM23, MKPW21, MKPW22, MLZ<sup>+</sup>23, MPS<sup>+</sup>24, MBH21, MEH21, MVF20, MBE<sup>+</sup>21, NJSY22, Nor23, OCK<sup>+</sup>24, OGL<sup>+</sup>21, OYG<sup>+</sup>24, OCC23, OBGA24, OSK<sup>+</sup>21, PCB<sup>+</sup>25, PCS<sup>+</sup>20, RSC<sup>+</sup>22, RCB<sup>+</sup>20, RSHS24, RdPS24, RL21, SLL22, SJ21, SDXY23, Sij23, SBZ23, SWB<sup>+</sup>23, STS<sup>+</sup>25, TKC<sup>+</sup>21, TSJ<sup>+</sup>21, TPK<sup>+</sup>21]. **simulations**  
 [TNL<sup>+</sup>22, Ume22, VPPQ21, VPPQ<sup>+</sup>24, VXT<sup>+</sup>23, VV21, VGGP<sup>+</sup>21, VSM<sup>+</sup>22, VvBTH20, WWM<sup>+</sup>22, WDMZ24, WA21, WOP<sup>+</sup>20, WMA<sup>+</sup>22, WS20, WWJ<sup>+</sup>22, Wor20, WRM<sup>+</sup>24, WS23, YFL22, YJLW21, YRNUV25, YTC<sup>+</sup>20, YWX<sup>+</sup>23, ZDSS23, ZGF<sup>+</sup>24, ZLL<sup>+</sup>24, ZSqXY21]. **Simulator**



[AACE<sup>+</sup>21, BSG<sup>+</sup>21, FCTFR20, GB24, HMYH22, HLMB24, MFS<sup>+</sup>22, SKEZ24b, SGY24, XFGS24, ZTV<sup>+</sup>24, ZL20]. **simultaneous** [KF23]. **simultaneously** [TQGE23]. **Single** [DFG<sup>+</sup>23, PAZ<sup>+</sup>22, BW23, CFLR24, CL20, LG21a, PNL<sup>+</sup>24, RCH24, SCA<sup>+</sup>24, SSPF24, SHRK22, SW23, TWR21, SMO<sup>+</sup>20a]. **single-event-upset** [SCA<sup>+</sup>24]. **single-file** [LG21a]. **single-grid** [BW23]. **single-instruction** [PNL<sup>+</sup>24]. **single-ion** [TWR21]. **single-molecule** [PNL<sup>+</sup>24]. **single-nucleon** [SW23]. **single-phase** [CFLR24]. **Single-step** [PAZ<sup>+</sup>22]. **Singular** [Gal22, KFHR24, LP24, WT22, BBH<sup>+</sup>24]. **Singular/GPI** [BBH<sup>+</sup>24]. **Singular/GPI-Space** [BBH<sup>+</sup>24]. **SIRF** [OBK<sup>+</sup>20]. **site** [CXCZ23, ZLV23]. **sites** [HHMH<sup>+</sup>22, LCB25]. **six** [SRE<sup>+</sup>24]. **size** [HFP21, KAG24, PLSB22, WBM<sup>+</sup>24, YWK<sup>+</sup>24]. **size-dependent** [YWK<sup>+</sup>24]. **size-velocity** [HFP21]. **sized** [Che23]. **skew** [LF24]. **skew-symmetric-splitting** [LF24]. **SKMF** [GTE21]. **Sky3D** [ASS<sup>+</sup>24]. **SkyAx** [RSM21]. **Skyrme** [CLS<sup>+</sup>22a, MSN<sup>+</sup>22]. **skyrmion** [IUJ21]. **slabs** [MCP23, ZMN<sup>+</sup>24]. **SLC** [AJW<sup>+</sup>21]. **slender** [LBS<sup>+</sup>23]. **SLEPc** [DNG<sup>+</sup>20]. **Sliding** [GdPSH25]. **SLIMP** [RZY<sup>+</sup>24]. **slip** [SN23]. **SLJCompact** [BMI23]. **slope** [NLS24]. **slope-dependent** [NLS24]. **Slow** [XQ21, LJQ<sup>+</sup>22]. **small** [LLC<sup>+</sup>23, ST23b, WBM<sup>+</sup>24, ZLMH23]. **small-size** [WBM<sup>+</sup>24]. **SMATool** [Eku24]. **SmeftFR** [DPR<sup>+</sup>20, DRR<sup>+</sup>24]. **Smirnov** [Efr21b]. **SMIwiz** [Yan24b]. **SModelS** [AKW21, ADH<sup>+</sup>20]. **Smoothed** [AMA<sup>+</sup>20, JCM20, AYWKL24, FRN21, KP23, LMQ<sup>+</sup>23, LYZL24, ODR<sup>+</sup>22, RZH22, ZRZ<sup>+</sup>21, ZHZG23]. **smoother** [AGJ<sup>+</sup>23]. **smoothing** [SL22]. **SOD2D** [GSL24]. **Soft** [SPMS23, TNL<sup>+</sup>22, VRI24, MOA24, PIFPA<sup>+</sup>25]. **SOFTSUSY** [AAT<sup>+</sup>20, AAT<sup>+</sup>14]. **Software** [BWW20, CTPS22, GBR23, KvdW20, MHÅ21, Nis22, Sha21, AMP<sup>+</sup>21, AAG<sup>+</sup>24, AAD<sup>+</sup>24, ACKB23, ASC<sup>+</sup>21, BMR<sup>+</sup>23, BMR<sup>+</sup>24b, BMT<sup>+</sup>20, CNB<sup>+</sup>23, COW24, CSW24, CKP<sup>+</sup>25, CW22, DvHSdS22, DIKSN24, DKRSR22, EGKH24, FLK<sup>+</sup>20, GAJK23, GO23, GPM<sup>+</sup>21, HAM<sup>+</sup>20a, HGS20, KWK<sup>+</sup>21, KSG22, KDIN<sup>+</sup>23, LEE<sup>+</sup>24, MMP<sup>+</sup>24, MGG<sup>+</sup>20, MZL<sup>+</sup>21, MZD<sup>+</sup>20, MOMO24, MOMO25, MYM<sup>+</sup>22, NKP20, PAM24, PRR23, PIFPA<sup>+</sup>25, RDH<sup>+</sup>20, RCH24, RHW<sup>+</sup>21, SHB<sup>+</sup>20, SHS22, SJY18, SJY20, TL20, TO21, VB22a, WLLS25, WV22, WS23, YKSH20, YR21, YMCF23, ZPL<sup>+</sup>21, ZCS<sup>+</sup>24, ZLV23, vdHKB<sup>+</sup>23, vTDGCR21]. **SOL** [MAMK21, YHH<sup>+</sup>20]. **SOL/divertor** [YHH<sup>+</sup>20]. **solar** [BMP<sup>+</sup>24, MFS<sup>+</sup>22]. **solar-cell** [MFS<sup>+</sup>22]. **Solid** [PTD20, AMP<sup>+</sup>21, LS24, MZL<sup>+</sup>24, ONH<sup>+</sup>20, PB23, RSD20, SRT<sup>+</sup>20, UO20, WXZH24, XZLX20]. **solid-fluid** [WXZH24]. **solid-liquid** [RSD20, SRT<sup>+</sup>20]. **solidification** [SYFT23, ZDG<sup>+</sup>21]. **solids** [BR20b, BFI<sup>+</sup>21, DSQ23, FXQS21, GBR23, IYP<sup>+</sup>25, KRL<sup>+</sup>24, Och23a, Och23b, RDV<sup>+</sup>20, WGGC22]. **Soliton** [HWZ24]. **solitons** [GMZ<sup>+</sup>20, ZYXC24]. **solute** [HRG<sup>+</sup>22]. **Solution** [AIZ23, DvHSdS22, AE23, BBA<sup>+</sup>20, CKT21, CLEPF23, CLEP24, Flo24, GSLS20, GQ22, LF20, LSS24, MSN<sup>+</sup>22, MPN<sup>+</sup>21, MNS<sup>+</sup>24, OKBM23, PPR<sup>+</sup>21, QWZ<sup>+</sup>21, YNMR24, CLEPF22]. **solutions**



[AMP<sup>+</sup>21, Bak23, GF23, LWhK<sup>+</sup>20, LS24, LHTP<sup>+</sup>24, NI22, RPPG25, SSB<sup>+</sup>23, SCL22, VFS23, YZ20b]. **solvation** [DCZ23]. **solve** [BKRG22, CLEPF23, DH22, HAM<sup>+</sup>20a, WGG20]. **Solver** [ASW20, GKIB21, MYMK<sup>+</sup>21, TCSA21, AFB<sup>+</sup>24a, ADF<sup>+</sup>22, BXW<sup>+</sup>25, BMSP21, BMS<sup>+</sup>23, BMI23, BBA23, BSC<sup>+</sup>21, CLS<sup>+</sup>22a, CEKR24, Cos22, DTC20, DAC<sup>+</sup>23, DS22, DFP<sup>+</sup>20, DBV<sup>+</sup>24, DP21, DdCAG23, EGLK20, FXQS21, FLS25, FTZ<sup>+</sup>23, FRN<sup>+</sup>23, FMBD22, FA21, GTA21, GSL<sup>+</sup>23, GDJG23, GWA<sup>+</sup>23, GLPG<sup>+</sup>23, GHL<sup>+</sup>22, GWZ<sup>+</sup>25, HPAW21, HXS20, HWAA22, IKM<sup>+</sup>23, JMOC21, JKSY22, Kar22, KR23, KKPC23, KGN<sup>+</sup>21, KFPV21, KG21, KD23, LMHL20, LMX<sup>+</sup>21, LIG<sup>+</sup>24, LF25, MMP20, MEC<sup>+</sup>24, MEDT<sup>+</sup>23, MSY<sup>+</sup>21, MKHT20, MOY<sup>+</sup>22, MBA21, MZV23, OEI<sup>+</sup>22, OXOG23, OCE<sup>+</sup>23, PTH24, PD23, RVM<sup>+</sup>21, Di 22, RJ21, RCW<sup>+</sup>20, RAJ<sup>+</sup>24, STA20, SGS23, SSPF24, SLC<sup>+</sup>22, SBB<sup>+</sup>24, SWTC23, UYS22, VLS22, VV21, WWB22, WHB21, WWZ<sup>+</sup>23, WKR23, WHS24, XOTI22, XLG<sup>+</sup>23, Yan21a, YFL22, YCCW23, YP24, YKK23b, ZLMH23, ZLWBH25, ZWC22, ŻTR<sup>+</sup>22, GMPG<sup>+</sup>21, KOF21, WSK24, DFU20]. **Solvers** [JRS<sup>+</sup>21, BW23, CB23, EVMP20, EPM23, FA20a, FA20b, KKPC21, LMMP23, OIA<sup>+</sup>20, XLFL25, YSI<sup>+</sup>24, zYCD<sup>+</sup>20, YKY<sup>+</sup>22, ZLWBH25]. **Solving** [BAB<sup>+</sup>20, KKB<sup>+</sup>25, LZ21, ZAW<sup>+</sup>21, ZGW20, ASU<sup>+</sup>21, ABBD23, ATC<sup>+</sup>23, BJL<sup>+</sup>24, BKP22, BDR<sup>+</sup>20, Car25, HWL<sup>+</sup>23, JZW<sup>+</sup>22, KRG21, KSF<sup>+</sup>22, LQ21, Man24, MM22, Pen24, Scr22a, TS23, XDF20, XSL<sup>+</sup>22, YZW21, YKK<sup>+</sup>23a, YSMB23, YJ24, ZLY24, ZJC<sup>+</sup>25, ZS24]. **SOM** [KM22]. **SOMAFOAM** [VV21]. **Sommerfeld** [Arn20]. **Sommerfeld-type** [Arn20]. **sonic** [EOR21]. **sonic-boom** [EOR21]. **SootImage** [CEC<sup>+</sup>24]. **sooting** [CEC<sup>+</sup>24]. **source** [AFB<sup>+</sup>24a, ASU<sup>+</sup>21, ADF<sup>+</sup>22, ASC<sup>+</sup>21, BC20, BM22, BLN<sup>+</sup>21, BMT<sup>+</sup>20, BFI<sup>+</sup>21, BSC<sup>+</sup>21, CAWK22, CZS<sup>+</sup>21, CPG<sup>+</sup>25, COW24, CSW24, CW22, CKGW22, DIK<sup>+</sup>23, DFU20, DAA<sup>+</sup>24, EMB<sup>+</sup>25, FTZ<sup>+</sup>23, FH22, FYM<sup>+</sup>22, GDK21, GDJG23, GKT<sup>+</sup>24, GFD<sup>+</sup>24, HMYH22, HSB<sup>+</sup>24, HXS20, HWL<sup>+</sup>23, HLMB24, HRG<sup>+</sup>22, HKY<sup>+</sup>21, Hua23, HHT<sup>+</sup>24, KGN<sup>+</sup>21, KGT22, Koz23, KD23, LEE<sup>+</sup>24, LMBH<sup>+</sup>24, LMHL20, LH22, MLZ<sup>+</sup>23, MBTB21, MMP<sup>+</sup>24, MFB23, MONW21, MVF20, MVAXP22, MRN20, NBC<sup>+</sup>24, Nor23, PMS<sup>+</sup>20a, DARJ23, PM21, PWC24, PW25, RZWW23, RHW<sup>+</sup>21, RJ21, SPLD20, SHB<sup>+</sup>20, SHW<sup>+</sup>21, SWTC23, THH21, TPK<sup>+</sup>21, UAWW25, WNS<sup>+</sup>21, WSK<sup>+</sup>22, XBL<sup>+</sup>20, XOTI22, YGZG25, YP24, YKSH20, YMCF23, YKK23b, ZRZ<sup>+</sup>21, ZJS<sup>+</sup>20, ZCS<sup>+</sup>24]. **sources** [COJ<sup>+</sup>22]. **Space** [MYMK<sup>+</sup>21, BW23, CLS<sup>+</sup>22a, DBM<sup>+</sup>24, DVC<sup>+</sup>22, GJ24, GMZ<sup>+</sup>20, HHT22, JLL<sup>+</sup>24, KKLZ23a, KKLZ23b, Kol23, LKP24, LCZ<sup>+</sup>21, LZYY23, LR22, MS24, MMP20, MSHP02, MSHP20, NBB<sup>+</sup>21, SLZY21, SZ24a, TCSA21, XHY<sup>+</sup>24, YYH21, ZW20, ZWP<sup>+</sup>22, YKY<sup>+</sup>22, BBH<sup>+</sup>24]. **space-** [LR22]. **space-charge** [DBM<sup>+</sup>24, KKLZ23a, KKLZ23b]. **space-fractional** [JLL<sup>+</sup>24]. **SpaceGroupIrep** [LCZ<sup>+</sup>21]. **spaces** [HPRS23, LH24, SKM<sup>+</sup>21, Zeb22]. **sparse** [DGM20, DFG<sup>+</sup>23, KKL21, NDFL24]. **SPARTACUS** [FTZ<sup>+</sup>23]. **Spatial** [HJGL22, BC21, FCdNA25, MM23, XPF<sup>+</sup>24]. **spatial-grid** [BC21]. **spatially** [CHY<sup>+</sup>24, KFHR24]. **spatiotemporal**



[GPN20, PSMRS<sup>+</sup>23, ZJC<sup>+</sup>25]. **SPEC** [MPQ<sup>+</sup>22]. **Special** [GH21, GM24, LVMGF<sup>+</sup>23]. **species** [BXW<sup>+</sup>25, CJD<sup>+</sup>20, KDK23, SNP<sup>+</sup>20, WV22, YKYK23]. **specific** [LSS<sup>+</sup>25, RCH24, SDBS24, ZDG<sup>+</sup>21]. **specimen** [SMKL25]. **spectra** [CML<sup>+</sup>24, GBD<sup>+</sup>22, Hua24, HHT<sup>+</sup>24, KSG22, LGK<sup>+</sup>22, MGG<sup>+</sup>20, Pos22, RZY<sup>+</sup>24, RMFB23, TB20]. **Spectral** [BPMS25, CdBMdAS<sup>+</sup>21, CZS<sup>+</sup>21, CSC25, CCW20, FRN21, GTA21, LBRW22, LZ21, LS22, MPS<sup>+</sup>24, MCB<sup>+</sup>20, NI22, RYS<sup>+</sup>24, SL22, SLZG20, SLL21, SWZ23, WLL22, WKR23, YRNUV25, ZYXC24, ZLS<sup>+</sup>22, GSL24]. **spectral-element** [MPS<sup>+</sup>24]. **spectral-Galerkin** [GMZ<sup>+</sup>20]. **spectral/hp** [MCB<sup>+</sup>20]. **spectrometer** [DVB<sup>+</sup>25b, DVB<sup>+</sup>25a, SPF21]. **spectroscopic** [CK23]. **spectroscopy** [Jab22a, KMBP24, ZJM<sup>+</sup>25]. **spectrum** [KMU<sup>+</sup>23, NS20, SKS24, CPG<sup>+</sup>25]. **SpectrumSDT** [GTMB21]. **specular** [Dan24]. **speed** [BL21, CKGW22, DB24, DBV<sup>+</sup>24, KMN21, LHG24, OCC23]. **Speeding** [PD24]. **Speedup** [BR20a]. **spent** [KJL<sup>+</sup>23]. **SPH** [CFLR24, HMR22, MEDT<sup>+</sup>23, MDZ24, OSK<sup>+</sup>21, WHH25]. **SPH-based** [MEDT<sup>+</sup>23]. **SPHERA** [AMA<sup>+</sup>20]. **sphere** [JP24, YYH21]. **spheres** [KAG24]. **Spherical** [IYC<sup>+</sup>24, CCK23, DHK<sup>+</sup>21, GDB10, GCK21, LEE<sup>+</sup>21a, LQGL21, PCL24, QCZ23, SDBS24, TKC<sup>+</sup>21, ZZ21a, dMMLOS20]. **spheroidal** [SSB<sup>+</sup>23]. **spheropolyhedral** [QCZ23]. **spheropolyhedral-based** [QCZ23]. **SPHinXsys** [ZRZ<sup>+</sup>21]. **Spin** [RVM<sup>+</sup>21, BKRG22, BPMMP24, BRHT21, BCSS24, CZTF23, CL22b, FSMM24, GF23, GOCSS<sup>+</sup>23, GBD<sup>+</sup>22, IUJ21, JRG21, KRG21, KL22, KL23a, LL23, LR22, MBA21, QJ21, SZ23, TMH<sup>+</sup>23, UYS22, VCHH23, Yev21, VMRFC23]. **spin-** [BKRG22]. **Spin-1** [RVM<sup>+</sup>21, KRG21, MBA21]. **spin-boson** [SZ23]. **spin-glass** [JRG21]. **spin-half** [TMH<sup>+</sup>23]. **spin-one** [TMH<sup>+</sup>23]. **spin-orbit** [BKRG22, BRHT21, GOCSS<sup>+</sup>23, KRG21]. **spin-orbit-** [MBA21, RVM<sup>+</sup>21]. **spin-resolved** [LR22]. **spin-wave** [GBD<sup>+</sup>22]. **Spinney** [AM21a]. **spinning** [OS24]. **spinor** [SCL22]. **Spinsim** [TMH<sup>+</sup>23]. **SPIRAL** [dVAR<sup>+</sup>24]. **SPIRED** [BCSS24]. **spline** [WGG20]. **Splines** [KWK<sup>+</sup>21]. **split** [Car25, SAC<sup>+</sup>21, YYY22, ZYXC24]. **split-step** [Car25]. **splitting** [BCGT24, DWD<sup>+</sup>24, LF24, Yan24a, YC20]. **SporTran** [EBBB22]. **SPP2** [CCG21]. **square** [BRAC23, BWW20, Gag25, GST21]. **squared** [PAM24]. **SQuIDS** [ASW20]. **SRC** [COJ<sup>+</sup>22]. **SRC-UNED** [COJ<sup>+</sup>22]. **SSLG4** [KTKK25]. **stability** [FFLR20, PCS<sup>+</sup>23, SKDH24, SJCD25, SFC20, TQGE23, WHSK24]. **Stabilized** [AGH21, YK21a]. **stabilized-scalar** [YK21a]. **stable** [BVV22, GZW20, HSA22, KSF<sup>+</sup>22, LWbK<sup>+</sup>20, LM21a, PRR23, TM24, WLCY25, YWTK23, Yan24a, ZCWY20, ZZ24]. **stacking** [ZGSW24]. **staggered** [ZLS<sup>+</sup>22]. **Stan** [Haz23]. **standalone** [AAB<sup>+</sup>21, RL21]. **Standard** [Bie21, AFJ<sup>+</sup>23, KHKL24, Kar23b, KKS24, DPR<sup>+</sup>20, DRR<sup>+</sup>24, DDM20, HQRR20, UMA21]. **standardized** [BMREC21]. **stars** [VGGP<sup>+</sup>21]. **state** [AS22, ABWZ23, CR20, ENK24, GO23, KMM21, KM20, KMS20b, KW23, LWS<sup>+</sup>23, PTD20, RdMS25, SKM<sup>+</sup>21, Xav22, YZ20b, ZDW<sup>+</sup>24].



**state-of-the-art** [KM20, KMS20b, SKM<sup>+</sup>21]. **state-to-state** [AS22, RdMS25]. **states** [BFD22, BTG22, CF21, DDM20, GTA21, GF21, GWPW21, GTMB21, LKK23, LU21, LR22, MDP22, PTD20, QJ21, SLZG20, TCSD24, WZC<sup>+</sup>24, XFGS24, YLL<sup>+</sup>22]. **static** [BR20b, DBH<sup>+</sup>22, JRS<sup>+</sup>21, LAD<sup>+</sup>21]. **Stationary** [GTA21, MDZ24, VZ20]. **statistical** [BKS22, Gon22, MZL<sup>+</sup>21, MNS<sup>+</sup>24, Ols23]. **steady** [HJGL22, LJH<sup>+</sup>23, YYY22, YZ20b]. **stellarator** [HK24, KBH<sup>+</sup>24]. **step** [AYB24, Car25, HPY21, JG24, MWJL23, PAZ<sup>+</sup>22, SL22, ACKB23]. **stepping** [CJZ21, NBCMH20, WJB21, ZX23]. **steric** [DCZ23]. **SternheimerGW** [SLZG20]. **stiffness** [XSL<sup>+</sup>22]. **STM** [RCH24]. **Stochastic** [CRZ25, CCW<sup>+</sup>25, CCW24, CHY<sup>+</sup>24, FJ22, FTZ<sup>+</sup>23, KM22, MW21, RdPS24, WLF<sup>+</sup>23]. **stochasticity** [GTE21]. **Stokes** [MOMO25, WSK24, ZX23, AWV24, BMS<sup>+</sup>23, DAC<sup>+</sup>23, HPY21, HWL<sup>+</sup>23, JM24, KSF<sup>+</sup>22, LGDF20, LB24, MOMO24, PLL24, SvdW24, WT22]. **Stopping** [SA23, HHMH<sup>+</sup>22]. **strain** [Che23, LLZ<sup>+</sup>22, XZLX20]. **strain-stress** [LLZ<sup>+</sup>22]. **Strategies** [MBE<sup>+</sup>21, AWV22, CZX<sup>+</sup>21, KMM21, VXT<sup>+</sup>23]. **strategy** [LZZ<sup>+</sup>25, SRS<sup>+</sup>25, TCSA21, WLZ<sup>+</sup>24, ZWZ<sup>+</sup>22]. **stratified** [Hoh24]. **STREAM** [CKC<sup>+</sup>21, CL21]. **streamer** [FASM24, MHÅ21]. **STREAmS** [BMSP21, BMS<sup>+</sup>23]. **STREAmS-2.0** [BMS<sup>+</sup>23]. **Strength** [Eku24]. **stress** [CT23, EGKH24, LLZ<sup>+</sup>22, ZRH21]. **stress-fluctuation** [CT23]. **stretched** [RVRT22]. **string** [KL22]. **StringSpinner** [KL22, KL23a]. **Strong** [HMSV23, AG21, BGR23, GHL<sup>+</sup>22, MT23, RZY<sup>+</sup>24, ZLMH23]. **strong-field** [MT23]. **strongly** [BDR<sup>+</sup>20, GBS<sup>+</sup>20, NJT24]. **structural** [BDP<sup>+</sup>21, NNMJ22]. **Structure** [BLN<sup>+</sup>21, BPMS25, BGHC23, BGR23, ČPF<sup>+</sup>24, CKP<sup>+</sup>25, CWJ21, DSQ23, FASD20, FPSZ21, GK21, GO23, HTS<sup>+</sup>21, HY23, HTH<sup>+</sup>20, HSO<sup>+</sup>22, HLzY<sup>+</sup>20, JMOC21, JPJ<sup>+</sup>23, KSM<sup>+</sup>25, LBS<sup>+</sup>23, LS23, LLT<sup>+</sup>23, LLL<sup>+</sup>24a, MKPW21, MKPW22, MFB23, MSM24, NG21, NVCS23, PAL<sup>+</sup>20, PPKK21, SZNW23, TCY23, TRB<sup>+</sup>20a, VPZH24, VSM<sup>+</sup>22, WZZS21, WBK<sup>+</sup>24, WXZH24, XQ21, YLLW24, YSX<sup>+</sup>20, YHY<sup>+</sup>21, zYCD<sup>+</sup>20, ZZ21b, ZZC20, ZHM21]. **structure-preserving** [CWJ21, XQ21]. **Structured** [LSNRD20, LJS21, MBCC23, PMSHG23]. **structures** [AS22, ASPDL<sup>+</sup>21, DNG<sup>+</sup>20, HLCD20, IMB<sup>+</sup>22, LBS<sup>+</sup>23, LXY<sup>+</sup>21, LLQ<sup>+</sup>23, LF25, MYM<sup>+</sup>22, MRG22, RL21, SLZG20, SJ20, TDR<sup>+</sup>20, YLP<sup>+</sup>24, ZHS<sup>+</sup>20, vTDGCR21]. **studies** [CGG21, GLSH21, LSF23, LFZ20, SZ23]. **Studio** [NKP20]. **Study** [CWZ<sup>+</sup>24, RDZ<sup>+</sup>20, THH21, AGMFGE23, NS20, NBB<sup>+</sup>21, SKM<sup>+</sup>21, XLL<sup>+</sup>22, ZDG<sup>+</sup>21, ZBS<sup>+</sup>23]. **studying** [BPMMP24, May21, SC22]. **style** [Ham20b, WBK<sup>+</sup>24]. **SU2** [YGZG25]. **SU2-COOL** [YGZG25]. **SU3lib** [DLD<sup>+</sup>21]. **sub** [SZ23, YLIO22, ZYG21]. **sub-critical** [ZYG21]. **sub-Ohmic** [SZ23]. **sub-permutation** [YLIO22]. **subatomic** [AGJ<sup>+</sup>23]. **subdomains** [SVSC20]. **subgrid** [SRT<sup>+</sup>25]. **subgrid-scale** [SRT<sup>+</sup>25]. **Subprograms** [HW22]. **Subsidiary** [GKIB21]. **subspace** [HKY<sup>+</sup>21]. **Subsystem** [MSG<sup>+</sup>21]. **subtraction** [LMWW24a, LM20]. **successful** [JHH<sup>+</sup>25, YHH<sup>+</sup>20]. **successive** [BJL<sup>+</sup>24].



**SudoDEM** [ZZ21a]. **suite** [ADW<sup>+</sup>23, BPMMP24, EMB<sup>+</sup>25, HBM<sup>+</sup>24, KLM<sup>+</sup>22, MEC<sup>+</sup>24, MBG<sup>+</sup>20, PW25, RDH<sup>+</sup>20, RRM<sup>+</sup>23, SSD<sup>+</sup>22]. **SUKI** [NUK<sup>+</sup>22]. **summation** [XWYQ21]. **sums** [AL24]. **Sunway** [CLZ<sup>+</sup>21, GWZ<sup>+</sup>25]. **super** [TIG<sup>+</sup>24]. **super-heavy** [TIG<sup>+</sup>24]. **supercell** [PP24]. **supercomputer** [GWZ<sup>+</sup>25, RCS21]. **supercomputers** [GB22, KMM21, Kul20]. **superconducting** [BM22, JYL<sup>+</sup>23, WYHW24]. **superfluid** [JRS<sup>+</sup>21, VB22b]. **superlattices** [NNMJ22]. **supermultiplet** [PDD24]. **superposition** [AL24]. **SuperScreen** [BM22]. **Supersonic** [BMS<sup>+</sup>23, BBV<sup>+</sup>22, RCX24]. **superstructure** [PTD20]. **supersymmetric** [KMU<sup>+</sup>23, Bie21]. **Supervised** [WZC<sup>+</sup>24]. **Support** [CZ21, WWDM20, ZW20, Mag25, SPF21]. **supporting** [ABF<sup>+</sup>23b, ZDW<sup>+</sup>24]. **Surf** [PMS20b]. **surface** [CFLR24, HSO<sup>+</sup>22, LGDF20, LMQ<sup>+</sup>23, PRR23, PCL24, RCH24, SXYD24, SVJ<sup>+</sup>24, WA21, WNS<sup>+</sup>21, ZYML24, ZHZG23]. **surfaces** [CGR21, IGL<sup>+</sup>24, Org22, PMS20b, RV20, RV21, SD24, SDP24, TGBM22, TVSM25, VZ20, WGS<sup>+</sup>22, XDF20, YYZ<sup>+</sup>22]. **surfactant** [WYT23, YK21a, ZCWY20]. **surfactants** [SRT<sup>+</sup>25]. **Surfing** [PMS20b]. **surrogate** [SRS<sup>+</sup>25, SMC<sup>+</sup>22, YBZ<sup>+</sup>25]. **survey** [WRM<sup>+</sup>24]. **SuSpect3** [KMU<sup>+</sup>23]. **suspension** [MHK24a]. **Susskind** [Dür23]. **SVF** [WYZZ23]. **SWANLOP** [AB21]. **swarm** [TV24, ZZC20]. **swift** [SA23]. **swifter** [ZGZW23]. **switchable** [MBCC23]. **SX** [STS<sup>+</sup>25]. **SX-Aurora** [STS<sup>+</sup>25]. **SYM** [SDA<sup>+</sup>25]. **Sym4state.jl** [WLL<sup>+</sup>24]. **Symbolic** [GDB10, CLS22b, CWZ<sup>+</sup>24, CB20, MG22, PSW23, CCK23]. **symbols** [XWYQ21]. **symmetric** [DEV20, LF24, SJY18, SJY20, zYMK<sup>+</sup>21, Zeb22]. **symmetric-** [SJY18, SJY20]. **symmetries** [BDF<sup>+</sup>25, CFBRE24]. **Symmetrization** [YT22]. **symmetrized** [CMS24]. **Symmetry** [DG25, IMB<sup>+</sup>22, TW21a, ALB22, FPSZ21, GF21, GLSH21, HA21, Kor23, MLD<sup>+</sup>22, PDD24, RBWD<sup>+</sup>25, SK24, SDA<sup>+</sup>25, SKM<sup>+</sup>21, SCT21, ZDW<sup>+</sup>24, ZXW<sup>+</sup>22]. **symmetry-adapted** [GF21, GLSH21, MLD<sup>+</sup>22, SK24]. **symmetry-assisted** [RBWD<sup>+</sup>25]. **symmetry-preserving** [HA21]. **Synergistic** [OBK<sup>+</sup>20]. **synthesis** [dBBVA20]. **synthesizability** [SY25]. **synthesizing** [FLW<sup>+</sup>23]. **synthetic** [JSS<sup>+</sup>24, WBF<sup>+</sup>24]. **System** [AAA<sup>+</sup>20, CLY22, CCW<sup>+</sup>25, HBM<sup>+</sup>24, KRC<sup>+</sup>20, KvH21, LM21a, LLT<sup>+</sup>23, LLL<sup>+</sup>24a, LSW<sup>+</sup>20, MMYU22, PYT<sup>+</sup>24, PK24, UJ21, eSdSBST21, WXX24, Yan21b, Yev21, ZCWY20, ZYXC24, ZYG21]. **system-bath** [CLY22]. **Systems** [MYMK<sup>+</sup>21, SGM<sup>+</sup>20, AGMFGE23, ARLDG24, ABBD23, ABB<sup>+</sup>24b, Bav24, BKS22, BMT<sup>+</sup>20, BLM<sup>+</sup>22, CR20, CPL21, CMJC21, CCW24, COW24, COP<sup>+</sup>24, DZZ21, DHK<sup>+</sup>21, DVC<sup>+</sup>22, FA21, Gal22, GTMB21, GF23, GJW24, GLB<sup>+</sup>21, GC25, GSBN22, HPP23, IJVJ21, IUJ21, KMBP24, KHR<sup>+</sup>23, KKPC21, KSC<sup>+</sup>23, KDHL23, KAG24, KLM<sup>+</sup>22, KKB<sup>+</sup>25, LHZ20, LG21a, Lee21b, LLZ<sup>+</sup>23, LQGL21, MD20b, Man24, MFB23, MP21, MAJ20, MOY<sup>+</sup>22, OCK<sup>+</sup>24, Ols23, OLNG21, QJ21, RSD20, RMR<sup>+</sup>22, RHW<sup>+</sup>21, RMM21, RdSH<sup>+</sup>24, RBWD<sup>+</sup>24, RBWD<sup>+</sup>25, RdMS25, SRT<sup>+</sup>20, SFKC22, SFBG20, SVJ<sup>+</sup>24, SP23, TC24, TMH<sup>+</sup>23, TRB20b,



WPMK21, XZLX20, YKK<sup>+</sup>23a, YM21, YKJ<sup>+</sup>24].

**T** [CCK23, COW24, LJC<sup>+</sup>25]. **tackling** [PPKK21]. **tagged** [LG21a]. **tagged-particle** [LG21a]. **tagger** [Ada22]. **tagging** [LNP<sup>+</sup>24]. **Taichi** [SGY24]. **Taichi-powered** [SGY24]. **TaihuLight** [GWZ<sup>+</sup>25, CLZ<sup>+</sup>21]. **tails** [AFJ<sup>+</sup>23]. **takes** [PGS<sup>+</sup>24]. **Talmi** [Efr21b]. **tapir** [GHL23]. **target** [BKS24a, BCD<sup>+</sup>21, NUK<sup>+</sup>22, OBC<sup>+</sup>24, SHRK22, TLC<sup>+</sup>21, YK21b]. **target-oriented** [YK21b]. **Task** [DP21, CCC20, DFU20, Di 22]. **Task-based** [DP21, DFU20, Di 22]. **Tau** [LNP<sup>+</sup>24, TSV<sup>+</sup>25]. **TAUOLA** [ABWZ23, Nie23]. **TauRunner** [SLP<sup>+</sup>22]. **TB2J** [HHVB21]. **TBPLaS** [LZK<sup>+</sup>23]. **TC** [Och23a, Och23b]. **TChem** [KDIN<sup>+</sup>23]. **tda** [VPZH24]. **tda-segmentor** [VPZH24]. **TDDFT** [DHE<sup>+</sup>24, PD24]. **TDEP** [BBB20]. **TDHF** [ASS<sup>+</sup>24]. **TDSE** [ZLMH23]. **TE** [SS21a]. **tearing** [ZJM<sup>+</sup>21]. **technical** [KFHR24, NKP20]. **technique** [MG22, MDZ24, NDFL24, NBB<sup>+</sup>21, PAL<sup>+</sup>20, WMM<sup>+</sup>24, XFH<sup>+</sup>22, YMCF23, PGS<sup>+</sup>24]. **techniques** [DG20, GLB<sup>+</sup>21, KHKL24, RdSH<sup>+</sup>24, SFC20, VPS23, YZZ<sup>+</sup>23]. **telescope** [LMBH<sup>+</sup>24]. **telescopes** [AAG<sup>+</sup>20]. **Temperature** [BBB20, ASU<sup>+</sup>21, Bar22a, BCTS22, DL24, GO23, GJA21, GCWZ20, IYP<sup>+</sup>25, IUJ21, KKPC23, LLQ<sup>+</sup>23, SKC21, SC22, VV21, XZLX20, ZYLL24]. **temperature-dependent** [KKPC23]. **tempering** [MMFdL21]. **Temporal** [SL22, Pen24, ZLY24]. **temporally** [KFHR24]. **TeNeS** [MOY<sup>+</sup>22]. **TENO** [LF24, Tan24]. **tension** [CFLR24]. **Tensor** [BHSS25, CDD22, MOY<sup>+</sup>22, CKT21, JS24, LG23, MCMS24, OS24, TWW22, WICA22, YS22, YK21b, ZDW<sup>+</sup>24]. **Tensor-network** [CDD22]. **tensor-product** [TWW22]. **TensorAlloy** [CGZ<sup>+</sup>20]. **TensorBNN** [KKP22]. **TensorFlow** [KKP22, WICA22]. **tensors** [ZDW<sup>+</sup>24]. **TEPPP** [HPP23]. **term** [LSS24, MP21, XZLX20]. **terms** [Ber24, Hid21, IUJ21, MD22, RBV<sup>+</sup>22]. **ternary** [KAS24]. **tessellation** [Nis22, SDP24]. **TETHYS** [CSBF23]. **tetragonal** [LHZ20]. **tetrahedral** [YXX<sup>+</sup>21]. **tetratomic** [RV21]. **TFmix** [SLK23]. **their** [ABFP24, BP25]. **Theoretical** [UMA21, CLEPF22, Jab24, RSC<sup>+</sup>22, ZGZ<sup>+</sup>25]. **theories** [DCZ23, HS24, MCMS24]. **Theory** [DvHSdS22, FKS20, MVK<sup>+</sup>24, ATRD21, BCCM<sup>+</sup>24, BPMS25, BW23, COP<sup>+</sup>24, DMS<sup>+</sup>22, DH22, EST23, FASD20, FWL<sup>+</sup>24a, Fon21, Gai20, GF23, GM20, GC25, GBD<sup>+</sup>22, HTK24, Hor24, HLzY<sup>+</sup>20, IYP<sup>+</sup>25, KKS24, LACL24, LYC20, Man24, MHK24b, MDR<sup>+</sup>20, QJ21, SLZY21, SHW<sup>+</sup>21, TMC22, VCF22, YT23, YKSH20, DPR<sup>+</sup>20, DRR<sup>+</sup>24, SHW<sup>+</sup>21]. **thermal** [CK20a, CT23, DFP<sup>+</sup>20, EST23, FO20, FCTFR20, HYL<sup>+</sup>22, HTL<sup>+</sup>22, KMG<sup>+</sup>20, LDGN24, MMM20, MPN<sup>+</sup>21, RMCC22, VGGP<sup>+</sup>21, WLLS25, ZGW20, ZTR<sup>+</sup>22, PLSB22]. **Thermo** [FLW<sup>+</sup>23, ZWC22]. **Thermo-lp** [FLW<sup>+</sup>23]. **Thermo4PFM** [FDPT23]. **thermochemical** [LWV20, WV22, YKYK23]. **Thermochemistry** [LWV20]. **Thermodynamic** [SLK23, AMP<sup>+</sup>21, FDPT23, FGCN<sup>+</sup>21, KvdW20]. **thermodynamics** [FLW<sup>+</sup>23, ZWC22]. **thermoelastic** [LVB22].



**thermoelasticity** [LDW<sup>+</sup>21]. **thermoelectric** [CL20].  
**thermophysicalModels** [NJSY22]. **thermosolatal** [ZDG<sup>+</sup>21]. **Theta** [CK20b]. **thin** [BMP<sup>+</sup>24, RMR<sup>+</sup>22]. **thin-film** [BMP<sup>+</sup>24]. **third** [LLS<sup>+</sup>21, TSL21]. **third-order** [LLS<sup>+</sup>21]. **Thomas** [YNMR24]. **those** [MBCC23]. **thread** [PNL<sup>+</sup>24, RAJ<sup>+</sup>24]. **thread-block** [RAJ<sup>+</sup>24]. **threaded** [AG21, LR25]. **Three** [CLS<sup>+</sup>22a, CL21, AHP21, ASU<sup>+</sup>21, BKO20, BR20b, BSK<sup>+</sup>22, Efr20, Efr21a, GOS<sup>+</sup>22, GMZ<sup>+</sup>20, JDS20, JRS<sup>+</sup>21, KLD<sup>+</sup>21, LMQ<sup>+</sup>23, MD20b, MSH22, MASFP25, PK24, PD23, SRT<sup>+</sup>20, SXYD24, TTM22, WXZH24, YWTK23, ZDG<sup>+</sup>21, Zho23]. **three-body** [JDS20]. **three-channel** [GOS<sup>+</sup>22]. **three-component** [YWTK23]. **Three-dimensional** [CLS<sup>+</sup>22a, CL21, AHP21, BKO20, BR20b, BSK<sup>+</sup>22, GMZ<sup>+</sup>20, KLD<sup>+</sup>21, LMQ<sup>+</sup>23, MD20b, MSH22, PD23, SRT<sup>+</sup>20, SXYD24, TTM22, WXZH24, ZDG<sup>+</sup>21, Zho23]. **three-electrode** [PK24]. **three-particle** [Efr20, Efr21a]. **three-temperature** [ASU<sup>+</sup>21]. **throughput** [NAZ<sup>+</sup>21, PFG22, RDH<sup>+</sup>20, WXL<sup>+</sup>21, WGGC22]. **TIFF** [Ken24]. **Tight** [DSQ23, JPJ<sup>+</sup>23, KVSC21, LZK<sup>+</sup>23, NKP20, WPMK21, ZYLY22, NKP20]. **tight-binding** [JPJ<sup>+</sup>23, KVSC21, LZK<sup>+</sup>23, NKP20, WPMK21, ZYLY22, NKP20]. **Time** [DRZ<sup>+</sup>21, FMCB<sup>+</sup>20, Hor23a, LY22, MVK<sup>+</sup>24, PNL<sup>+</sup>24, RS20, TKS22, WLCY25, ZYX21, ZYX22, ADW<sup>+</sup>23, BV21, BIL25, BAB<sup>+</sup>20, CJZ21, CY24, COP<sup>+</sup>24, DGM20, DS22, DVC<sup>+</sup>22, DHE<sup>+</sup>24, Dio23, DG20, DBR24, EBBB22, ET24, GPD<sup>+</sup>22, GSLS20, GF23, GBD<sup>+</sup>22, GMZ<sup>+</sup>20, HSB<sup>+</sup>24, HW22, HLMB24, Hor23b, JM24, JGJ20, JRS<sup>+</sup>21, KCS22, KBSL22, KP23, KMR22, KM23, Koz23, LWZD25, LS22, LY24b, MZ22, MKHT20, NJT24, PMK<sup>+</sup>23, PCB<sup>+</sup>25, PD24, PPK22, QWZ<sup>+</sup>21, RSC<sup>+</sup>22, RdMS25, SL22, SGS23, Scr22a, SNG20, SKC21, SCF20, TTM22, TSL21, WJB21, WWB22, WHB21, WBF<sup>+</sup>24, WKJB23, WBvdH20, XSL<sup>+</sup>22, XLKX21, YZW21, YSMBA23, ZX23]. **time-dependence** [BAB<sup>+</sup>20]. **Time-Dependent** [MVK<sup>+</sup>24, Hor23a, LY22, BAB<sup>+</sup>20, COP<sup>+</sup>24, Dio23, GSLS20, GBD<sup>+</sup>22, HSB<sup>+</sup>24, JRS<sup>+</sup>21, KM23, LY24b, SGS23, Scr22a, WJB21, WHB21, WBvdH20, XSL<sup>+</sup>22, YSMBA23]. **Time-discretization** [TKS22]. **Time-domain** [DRZ<sup>+</sup>21, PNL<sup>+</sup>24, WLCY25, ET24, TTM22, YZW21]. **time-evolution** [GF23]. **time-explicit** [DS22]. **Time-independent** [FMCB<sup>+</sup>20, ADW<sup>+</sup>23, BV21]. **time-lapse** [DG20]. **time-of-flight** [WBF<sup>+</sup>24]. **Time-parallel** [RS20]. **time-parallelisation** [PCB<sup>+</sup>25]. **time-reversible** [KP23]. **time-series** [CY24]. **time-space** [GMZ<sup>+</sup>20]. **time-spectral** [LS22, SL22]. **time-stepping** [ZX23]. **time-warp** [RSC<sup>+</sup>22]. **TimeEvolver** [MZ22]. **times** [LTMK21]. **timescale** [RMR<sup>+</sup>22]. **tin** [PAL<sup>+</sup>20]. **tinie** [DKRSR22]. **tip** [AUO<sup>+</sup>22]. **Tiresia** [TCSD24]. **tissue** [VRI24]. **TLBfind** [PLSB22]. **TMDICE** [Roh22]. **TMM** [BMP<sup>+</sup>24]. **TMM-Sim** [BMP<sup>+</sup>24]. **TNQMetro** [CDD22]. **TNSP** [ZDW<sup>+</sup>24]. **Tokamak** [YYC<sup>+</sup>23, BYWW23, BJS<sup>+</sup>23, HEF21, JKSY22, LZ21, MGX24, MAMK21, MPH<sup>+</sup>24, RSHS24, SKYQ21, SDXY23, SBZ23, WDMZ24, YC20]. **TokaMaker** [HSB<sup>+</sup>24]. **tokamaks**



[BFL<sup>+</sup>22, JSS<sup>+</sup>24, MG22, NSY<sup>+</sup>23, YBZ<sup>+</sup>25]. **tomography**  
 [BYL<sup>+</sup>21, HTN21, RZY<sup>+</sup>24, WKJB23]. **tomosynthesis** [BSG<sup>+</sup>21]. **Tool**  
 [BHK<sup>+</sup>21, BLN<sup>+</sup>21, AMP<sup>+</sup>21, AFJ<sup>+</sup>23, AES21, BMM21, BMR<sup>+</sup>24a,  
 BMP<sup>+</sup>24, BKS24b, CSBF23, EGKH24, FLW<sup>+</sup>23, FGCN<sup>+</sup>21, FLK<sup>+</sup>20,  
 GHL23, HGT24, HSB<sup>+</sup>24, HT20, HRG<sup>+</sup>22, IGL<sup>+</sup>24, Kan23, KWB<sup>+</sup>25,  
 KKB<sup>+</sup>24, KMY<sup>+</sup>23, LLS<sup>+</sup>21, LR22, MMCC<sup>+</sup>22, MZD<sup>+</sup>20, MRG22,  
 NYN<sup>+</sup>21, Ols23, DARJ23, RCB21, RJ21, SLBR22, SPLD20, SLB<sup>+</sup>23, SZ24a,  
 SRML20, SCMP<sup>+</sup>22, TDR<sup>+</sup>20, TAB<sup>+</sup>22, UO20, VPZH24, WGGC22, YNV22,  
 YNV23, ZHM<sup>+</sup>24, ZDLS21, dMMLOS20, Dju20]. **tool-kit** [WGGC22].  
**Toolbox** [CV21, LWV20, OSE<sup>+</sup>20, ASW22, BTG22, CKGW22, FBC<sup>+</sup>21,  
 GDK<sup>+</sup>21, HTN21, HRU22, Hoh24, JZW<sup>+</sup>22, KMBP24, LSNRD20, PCS<sup>+</sup>23,  
 RSD20, RZWW23, RSPJ21, RPG<sup>+</sup>20, SKDH24, Sch21, VCHH23, Yan24b].  
**toolchain** [OIA<sup>+</sup>20]. **toolkit** [AFB<sup>+</sup>24b, BVV22, DCRF23, DIKSN24, EL24,  
 Eku24, GAS<sup>+</sup>23, Hua23, KDIN<sup>+</sup>23, LVB22, LEL<sup>+</sup>22, MES<sup>+</sup>24, OSK<sup>+</sup>21,  
 SC22, TVSM25, TQGE23, WMA<sup>+</sup>22, YTC<sup>+</sup>20]. **Tools**  
 [CLVV22, DBBP23, FR20, HCAH<sup>+</sup>24, KvdW20, LHG<sup>+</sup>20]. **TopoAna**  
 [ZDLS21]. **topography** [CEKR24, NBCMH20]. **topological**  
 [ATC<sup>+</sup>23, GBR23, LU21, MCP23, PP24, VRI24, HPP23]. **topologies**  
 [GHL23]. **topology** [AS24a, Nis23]. **tops** [SJY18, SJY20]. **TorchAmi**  
 [BL25]. **TorchDA** [CMLA25]. **TORCWA** [KL23b]. **toroidal**  
 [CMS22, LOT<sup>+</sup>20, LZ21, MG22, MMYU22, YBZ<sup>+</sup>25]. **toroidally** [BJL<sup>+</sup>24].  
**toroidally-rotating** [BJL<sup>+</sup>24]. **torque** [YBZ<sup>+</sup>25]. **torsional** [CZB<sup>+</sup>23].  
**Total** [MSHP02, MSHP20, HMYH22, HSO<sup>+</sup>22, MD20a]. **Total-energy**  
 [MSHP02, MSHP20]. **total-reflection** [HMYH22, HSO<sup>+</sup>22]. **Townsend**  
 [MHÅ21]. **TPMD** [SC22]. **tqix** [HTN21]. **tqix.pis** [VCHH23]. **trace**  
 [LMWW24b]. **tracing**  
 [FXQS21, GRP<sup>+</sup>25, GSL<sup>+</sup>23, SHS22, WWM<sup>+</sup>22, sXBkB<sup>+</sup>22]. **Track**  
 [BBB<sup>+</sup>21, AAB<sup>+</sup>21, BIL25, BDGS21, TAGC22b, SP23]. **tracker** [AAB<sup>+</sup>21].  
**Tracking** [DHK<sup>+</sup>21, AGJ<sup>+</sup>23, ABK<sup>+</sup>22, GRP<sup>+</sup>25, KSC<sup>+</sup>23, LBRW22,  
 NSY<sup>+</sup>23, NBS<sup>+</sup>20, PCL24, SRC21, SRT<sup>+</sup>25, SBP20, WWM<sup>+</sup>22, YGSW21].  
**tractable** [RDZ<sup>+</sup>20]. **traction** [HGS20]. **traditional** [TCY<sup>+</sup>21]. **Training**  
 [BKS24a, WZC<sup>+</sup>24, vdHKB<sup>+</sup>23]. **trajectories**  
 [BFT20, SKC21, SC22, SZT24, TBAR21]. **TRANS** [SHS22, Pen24, ZLY24].  
**Trans-Net** [Pen24, ZLY24]. **transcendental** [BA24]. **transcorrelated**  
 [Och23a, Och23b]. **Transfer**  
 [BMR<sup>+</sup>23, CJZ21, FXQS21, KKPC23, KSIL22, MDDI21, NBB<sup>+</sup>21].  
**transferability** [MYKC23]. **transferable** [Pen24, SPMS23, ZLY24].  
**transfers** [HRG<sup>+</sup>22]. **transform** [CLEPF23, KIK20, AL24].  
**transformation**  
 [CMLA25, IJVJ21, KF23, Lee21b, PP21, RMFB23, SMGK21, YW21, YJ24].  
**transformations** [ABFP24, Efr20, Efr21a, MRT<sup>+</sup>22, YKY<sup>+</sup>22, dBBA20].  
**transformed** [MSN<sup>+</sup>22]. **transformer** [FCdNA25]. **transformer-based**  
 [FCdNA25]. **transforms** [BJS<sup>+</sup>23, KPST21, LWZD25]. **transient**  
 [AE23, ET24, Ryd20]. **Transition** [VLS22, BMM21, BFD22, CXCZ23,



LKK23, LSC<sup>+</sup>25, LGBJ20, MMM23, MMFdL21, VB22b]. **transitions** [Bar22a, CJZ25, EST23, GSV23, SZ23, VRI24]. **TRANSLATE** [BCF<sup>+</sup>24]. **translational** [CJZ25]. **transmission** [Arn20, CGV<sup>+</sup>22, SLL<sup>+</sup>24]. **transmutation** [LF20]. **transonic** [LSS<sup>+</sup>25]. **Transparent** [SP20]. **transpond** [BGW<sup>+</sup>22]. **Transport** [KOF21, NRKA22, AUEO24, ABGD<sup>+</sup>20, ASPDL<sup>+</sup>21, BGW<sup>+</sup>22, BCF<sup>+</sup>24, BSS<sup>+</sup>23, CK20a, CPL21, CHA21, CL20, CKC<sup>+</sup>21, CL21, DFP<sup>+</sup>20, DKRSR22, DGHA25, EBBB22, FO21, GAGO21, GLN23, Jab24, Kal20, LBM<sup>+</sup>23, LLL24b, LFL<sup>+</sup>24, LHWX24, MK22, MBTB21, MMM20, MGC<sup>+</sup>23, MP21, MAMK21, MMYU22, NSY<sup>+</sup>23, OBGA24, PLT<sup>+</sup>23, PYT<sup>+</sup>24, PPR<sup>+</sup>21, RDC<sup>+</sup>20, SHS22, SP23, SLIC24, TAY<sup>+</sup>24, WAN<sup>+</sup>22, WXW<sup>+</sup>21, XDF20, XSL<sup>+</sup>22, YHH<sup>+</sup>20, YYH21, YJLW21, YZHL22, ZLLM23, ZGZ<sup>+</sup>25, ZPL<sup>+</sup>21, ZCS<sup>+</sup>24]. **transport-property** [AUEO24]. **TransROTA** [BJL<sup>+</sup>24]. **transverse** [KPST21]. **trapped** [LLG<sup>+</sup>24, BFT20]. **traps** [BTK24]. **traversal** [WVK21]. **TRAVOLTA** [RBWD<sup>+</sup>24]. **t}re** [ST23b]. **treams** [BFCR24]. **treatment** [RZH22, YXX<sup>+</sup>21]. **tRecX** [CMS24, Scr22a]. **Tree** [CFL<sup>+</sup>22, SJ20, WVK21]. **treecode** [CGR21, KKLZ23b]. **trends** [KIK20]. **trhepd** [HMYH22, HMYH22, HSO<sup>+</sup>22]. **trial** [MMM23]. **trials** [BSG<sup>+</sup>21]. **triangular** [AIZ23, BRAC23, LR25, SS21b, YWK<sup>+</sup>24, YXX<sup>+</sup>21]. **triangulated** [TGBM22]. **Triatomic** [RV20, GTMB21, RdMS25, Xav22]. **trichalcogenides** [CXCZ23]. **tridiagonal** [KKPC21, YKK<sup>+</sup>23a]. **trigger** [TGIM23]. **triggering** [ABF<sup>+</sup>23b]. **trigonal** [LHZ20]. **TRIM** [PFG22]. **TriMe** [LR25]. **trions** [PC21]. **triple** [AFB<sup>+</sup>24b, Bzo21]. **triple-** [Bzo21]. **triple-GEM** [AFB<sup>+</sup>24b]. **TripleK** [Bzo21]. **triply** [LXY<sup>+</sup>21]. **TRIQ** [IHWG24]. **TRIQ/Nevanlinna** [IHWG24]. **TRIQS** [KM22]. **TRIQS/SOM** [KM22]. **triSurfaceImmersion** [TGBM22]. **TROPIC** [LSC<sup>+</sup>25]. **Tropical** [BMT23]. **truncated** [HHT22]. **Tsinghua** [ZXT22, ZXT23]. **TSUBASA** [STS<sup>+</sup>25]. **TTCF4LAMMPS** [MES<sup>+</sup>24]. **TTDFT** [LG23]. **Tucker** [LG23]. **TUMME** [ZXT22, ZXT23]. **tuneable** [GTE21]. **tungsten** [YHH<sup>+</sup>20]. **Tuning** [BSS<sup>+</sup>23, LAC21, Cel24]. **Tunneling** [Gul20, SZNW23]. **tunnels** [Ryd20]. **turboMagnon** [GBD<sup>+</sup>22]. **TurboPy** [RGS<sup>+</sup>21]. **turbulence** [FA20a, FLS25, Ken24, Ken25, KPL<sup>+</sup>21, LBRW22, LF24, MSU<sup>+</sup>21, SKYQ21, SDXY23, SBZ23, YRNUV25, ZYX21, ZYX22, ZSqXY21]. **turbulent** [BMSP21, BMS<sup>+</sup>23, FA20b, GB22, KWZ24, KKPC23, NS20, VLS22]. **TURTLE** [NBCMH20]. **tutorial** [BM20, SOH<sup>+</sup>23]. **tutorial-driven** [BM20]. **twiddling** [Fis24]. **twisted** [Kub24]. **twisted-mass** [Kub24]. **Twister** [NNMJ22]. **Two** [HT24, JYL<sup>+</sup>23, KM20, LF20, LHTP<sup>+</sup>24, AYB24, ABFP24, BBA23, BBA25, BM22, CAWK22, CCK23, Dan24, Dau23, DKRSR22, DGHA25, EPM23, ENK24, GDB10, GCK21, KWK<sup>+</sup>21, KBSL22, KM23, KMS20a, LGZ<sup>+</sup>25, LW24, LR25, MA24, MJB24, MFB23, MYM<sup>+</sup>22, MCP23, ODU24, SRT<sup>+</sup>20, SLZ<sup>+</sup>24, SMB20, SSB<sup>+</sup>23, SFS22, UÁEPGBP24, WT22, Yan21b, ZYXC24, KMS20b]. **two-body** [KWK<sup>+</sup>21]. **two-center** [SSB<sup>+</sup>23]. **Two-dimensional** [HT24, LHTP<sup>+</sup>24, BM22, Dan24, DKRSR22, KM23, LGZ<sup>+</sup>25, MFB23, MYM<sup>+</sup>22, SRT<sup>+</sup>20, UÁEPGBP24].



**two-dimensional-material-based** [DGHA25]. **Two-fluid** [JYL<sup>+</sup>23].  
**Two-Higgs-Doublet** [KM20, KMS20b]. **two-phase** [BBA23, BBA25, CAWK22, Dau23, ENK24, KBSL22, MA24, SFS22, WT22, Yan21b].  
**two-photon** [KMS20a]. **two-step** [AYB24]. **twoPhaseInterTrackFoam** [SRT<sup>+</sup>25]. **twoWayGPBEFoam** [LMHL20]. **type** [Arn20, BCGT24, CZY20, GB24, GMZ<sup>+</sup>20, Pöt20, TCY23, TL20, XFH<sup>+</sup>22, ZDLS21].  
**U** [GOCSS<sup>+</sup>23]. **UAMMD** [PIFPA<sup>+</sup>25]. **UCNS3D** [ADF<sup>+</sup>22].  
**udkm1Dsim** [Sch21]. **UKRmol** [HBM<sup>+</sup>24, MBG<sup>+</sup>20]. **UKRmol-scripts** [HBM<sup>+</sup>24]. **ultra** [BCT20, BKBL22, EES24]. **ultra-peripheral** [BCT20, BKBL22]. **ultrafast** [Hua24, Sch21, SLB<sup>+</sup>23, Tan23, WKJB23, WBvdH20, ZPL<sup>+</sup>21].  
**ultraperipheral** [ZGK<sup>+</sup>24]. **ultrashort** [BAB<sup>+</sup>20, MD22]. **ULYSSES** [GMPG<sup>+</sup>21, GLPG<sup>+</sup>23]. **unbinding** [Ryd20]. **uncertainty** [KMG<sup>+</sup>20, MZL<sup>+</sup>21, SMC<sup>+</sup>22, TRN<sup>+</sup>24, TO21, VEHC21].  
**Unconditionally** [Yan24a, GZW20, LM21a, WLCY25, ZCWY20, ZZ24]. **unconditionally-stable** [ZZ24]. **underlying** [RZ23]. **UNDI** [BFI<sup>+</sup>21].  
**UnDiFi** [CAC<sup>+</sup>22]. **UnDiFi-2D** [CAC<sup>+</sup>22]. **UNED** [COJ<sup>+</sup>22]. **unfolding** [Gag25, RMFB23]. **Unified** [KWZ24, ZWP<sup>+</sup>22, FJ22, FTZ<sup>+</sup>23, LSW<sup>+</sup>20, LHG24, STA20, TSV<sup>+</sup>25, WLX24, XFH<sup>+</sup>22]. **Uniform** [JLW24, PCL24, MZL<sup>+</sup>24, NR21, PCS<sup>+</sup>20, VB22b]. **unipolar** [WSK<sup>+</sup>22, YFL22]. **uniqueness** [MNS<sup>+</sup>24]. **Unit** [AAA<sup>+</sup>20, AGH21, AL24].  
**unitarity** [ADC<sup>+</sup>21]. **unitary** [GH21]. **units** [DC22, WICA22]. **univariate** [CFSV25]. **Universal** [CXCZ23, GLPG<sup>+</sup>23, GMPG<sup>+</sup>21]. **Universally** [PIFPA<sup>+</sup>25]. **universe** [BMM21, FFTV23]. **University** [ZXT22, ZXT23].  
**unlabeled** [SY25]. **Unleashing** [ZZ21a]. **Unlocking** [RYS<sup>+</sup>24].  
**unoccupied** [SLZG20]. **Unravelling** [VPPQ21]. **UNRES** [OCK<sup>+</sup>24].  
**unsaturated** [HRG<sup>+</sup>22]. **unscented** [AGJ<sup>+</sup>23]. **unsplit** [LH22, LH24, MOV21]. **unstable** [KvdW20, KAB<sup>+</sup>21, LWhK<sup>+</sup>20]. **unsteady** [CJZ21, SRS<sup>+</sup>25, SFS22, YYY22]. **unstructured** [ADF<sup>+</sup>22, CAC<sup>+</sup>22, EPM23, KFC<sup>+</sup>20, NTO24, NSY<sup>+</sup>23, PLF20, TGBM22, ZDSS23].  
**Unsupervised** [XLFL25, WYZZ23]. **Up-sampling** [TCcN23]. **Upcgen** [BKBL22]. **Update** [IKM<sup>+</sup>24, AJDS<sup>+</sup>21, ABWZ23, GvdBdGN24, HJGL22, LJH<sup>+</sup>23, XOTI22].  
**Updated** [CTPS22, Hor24, SPTPR21, SLL<sup>+</sup>24, SZY<sup>+</sup>22]. **Updates** [AJW<sup>+</sup>21, FQRR22]. **Upgraded** [NUK<sup>+</sup>22, PMA<sup>+</sup>21, YZW22]. **upon** [ZLWBH25]. **upset** [SCA<sup>+</sup>24]. **URANOS** [DAC<sup>+</sup>23, DB24]. **URANOS-2.0** [DB24]. **urban** [YCC22]. **usage** [CHA21]. **use** [BDF<sup>+</sup>25, LSS24, MG22, TPS<sup>+</sup>24, WKBW21]. **used** [KIK20]. **User** [SMB20, WAYL23, BMR<sup>+</sup>24b, DvHSdS22, HGS20, KKS24, MMCC<sup>+</sup>22, TVSM25, WXL<sup>+</sup>21, YR21]. **user-defined** [KKS24]. **user-friendly** [HGS20, MMCC<sup>+</sup>22, WXL<sup>+</sup>21]. **user-guided** [TVSM25]. **User-ready** [SMB20]. **users** [YTC<sup>+</sup>20]. **usine** [Mau20]. **Using** [MMM23, TAGC22b, ABB23, Ano20c, ASC<sup>+</sup>21, BOSM24, BRAC23,



BGH22, BKB<sup>+</sup>21, BB24b, BFG24, CE22, CGSO20, CFLR24, CL20, CZB<sup>+</sup>23, CKT21, CT23, CJ21, CLEPF22, CLEPF23, CLEP24, CH25, CNS22, DMS<sup>+</sup>22, Dau23, DS22, DC22, Dry21, DGHA25, FHD25, FASD20, FMBD22, GF23, GBD<sup>+</sup>22, GAS<sup>+</sup>23, HT24, HW22, HSO<sup>+</sup>22, HLzY<sup>+</sup>20, HG22, Ilt21, JSS<sup>+</sup>24, JS24, JPJ<sup>+</sup>23, KWK<sup>+</sup>21, KK16, KWZ24, KF23, KCS22, KSJ<sup>+</sup>22, KKY24, KPL<sup>+</sup>21, Kor23, KKP22, LOT<sup>+</sup>20, LMX<sup>+</sup>21, LZ21, LWZD25, LJQ<sup>+</sup>22, LM22, LVMGF<sup>+</sup>23, LSS<sup>+</sup>25, MMC<sup>+</sup>21, MSN<sup>+</sup>22, MGG<sup>+</sup>20, MBG<sup>+</sup>20, MAJ20, MKHT20, MPSK21, MPQ<sup>+</sup>22, Nis22, OIA<sup>+</sup>20, Och23a, Och23b, PMSHG23, PBK21, PCB<sup>+</sup>25, PP23, Par21, PNL<sup>+</sup>24, PCS<sup>+</sup>23, PFG22, Di 22, RCW<sup>+</sup>20, SK24, SFBG20, SKC21, SC22, SFC20, SP23, SLC<sup>+</sup>22, SS21b, SY25, SW25, TAGC22a, TGGC23, TMC22, WGG20, WXW<sup>+</sup>21]. **using** [WXL<sup>+</sup>21, WWM<sup>+</sup>22, WA21, WXZH24, WS20, WKJB23, Xav22, XHY<sup>+</sup>24, YP24, YJLW21, YRNUV25, YLL<sup>+</sup>22, ZS24, ZLV23, dBBVA20]. **utilitarian** [BC22]. **Utility** [DBdFdSR21]. **utilizing** [WHSG24].

**v** [AGK<sup>+</sup>23]. **v.2.0** [KSM<sup>+</sup>25]. **v.9.0.0** [AMA<sup>+</sup>20]. **v1.0.0** [BM20, SY20]. **v1.1** [CR20, GKIB21]. **v1.2** [ADH<sup>+</sup>20]. **v1.3.0** [BDK<sup>+</sup>23]. **V2** [LG21b, AAHJ20, BMM21]. **v2.0** [OSE<sup>+</sup>20]. **v2.0.0** [BN23]. **v2107** [GDK21, HRG<sup>+</sup>22]. **v3** [DRR<sup>+</sup>24]. **v3.0** [EL24, LSS<sup>+</sup>25]. **V4** [CB25, SCA<sup>+</sup>24]. **v4-4.0** [SCA<sup>+</sup>24]. **v4.0** [MSN<sup>+</sup>22]. **v5** [ZW20]. **v5.1** [CZ21]. **vacancies** [WLF<sup>+</sup>24]. **vacuum** [Sat21]. **valence** [CXCZ23]. **validating** [MMFdL21]. **validation** [CEC<sup>+</sup>24, DIK<sup>+</sup>23, DARJ23, SCR<sup>+</sup>22b, ZYG21]. **value** [ATC<sup>+</sup>23, FYW23, KFHR24]. **valued** [CL22a]. **values** [GOST23, Jab20]. **VAN-DAMME** [RBWD<sup>+</sup>25]. **Vanderbilt** [TIG<sup>+</sup>24]. **vanishing** [JDS20]. **variable** [WYT23, YK21a, PBK21]. **variables** [ABFP24, Par21]. **variance** [CHA21, PLT<sup>+</sup>23, PPR<sup>+</sup>21]. **variance-reduced** [PPR<sup>+</sup>21]. **variant** [WYT23, YK21a]. **variants** [Hor24]. **variation** [ZYLL24]. **Variational** [WHSG24, YYH21, AGH21, Jia20, PC21, SZ23, XSL<sup>+</sup>22, XOTI22, XFGS24, YZHL22, YLP<sup>+</sup>24]. **Variationally** [RG21]. **variations** [MM23]. **various** [CW22, HWZ24, SHW<sup>+</sup>21, sXBkB<sup>+</sup>22]. **varRhoTurbVOF** [FA20a, FA20b]. **varying** [SD24]. **VASP** [DCRF23, GWPW21, LR22, MPSK21, WXL<sup>+</sup>21, YTC<sup>+</sup>20]. **VASPKIT** [WXL<sup>+</sup>21]. **Vector** [FMBD22, ONH<sup>+</sup>20, ABB<sup>+</sup>22, CV24, KL23a, STS<sup>+</sup>25, TW21b, WWDWM20]. **Vector-based** [ONH<sup>+</sup>20]. **vector-meson** [KL23a]. **vectorial** [CMS22]. **vectorised** [EPM23]. **vectorization** [KMRB24]. **vectorized** [CNS22]. **VegasFlow** [CCM20]. **VELAS** [RZWW23]. **velocity** [HFP21, KFC<sup>+</sup>20, UJ21, VPPQ21, Xie23]. **VENUS** [MPQ<sup>+</sup>22]. **VENUS-LEVIS** [MPQ<sup>+</sup>22]. **Verification** [DIK<sup>+</sup>23, MGC<sup>+</sup>23, SCR<sup>+</sup>22b, SBB<sup>+</sup>24, Bak23, CJD<sup>+</sup>20, IYC<sup>+</sup>24, KDK23]. **verified** [GAS<sup>+</sup>23, LHWX24]. **versatile** [BVV22, BMP<sup>+</sup>24, KKPC23, WLL22]. **Version** [AKK<sup>+</sup>24, AAT<sup>+</sup>20, ASPDL<sup>+</sup>21, BC22, GLPG<sup>+</sup>23, HQF<sup>+</sup>20, KKM<sup>+</sup>20,



Pos22, SJP21a, ASS<sup>+</sup>24, BMS<sup>+</sup>23, CB23, CCG21, CZB<sup>+</sup>23, DS22, DACA<sup>+</sup>22, DP21, Dio23, FTG23, GST21, GOS<sup>+</sup>22, GG24, HZ24, Hor24, Jab22b, Kol22, MS24, Mag25, MBB24, MSN<sup>+</sup>22, MPZB<sup>+</sup>24, NAZ<sup>+</sup>22, Org22, RZY<sup>+</sup>24, SMO<sup>+</sup>20a, SLL<sup>+</sup>24, SVJ<sup>+</sup>24, SAS20, Sit24, WMS<sup>+</sup>25, YZW22, ZXT23].

**versions** [BBH<sup>+</sup>23, IKM<sup>+</sup>24]. **vertex** [WLCF21]. **Very** [Koz23, BIL25, KAB<sup>+</sup>21, OCK<sup>+</sup>24]. **VHEGEN** [LHZ20]. **via** [AUO<sup>+</sup>22, ABD<sup>+</sup>23, CY24, DR21, EGKH24, GSV23, LG21a, LKK23, LS24, LM23, NAZ<sup>+</sup>21, RV20, RV21, Roh22, VGGP<sup>+</sup>21, YK21b, ZJM<sup>+</sup>25, ZZC20].

**vibrational** [GTMB21, KSG22, MEC<sup>+</sup>24, WLX24]. **vibronic** [LHZ20].

**viewSq** [MKPW21, MKPW22]. **Vincia** [BP21]. **violation** [KKS24].

**Virtual** [LLL24b, BSG<sup>+</sup>21, LHC20, SMK25]. **VIRTUS** [MMP20].

**viscosity** [YBZ<sup>+</sup>25]. **viscous** [RCW<sup>+</sup>20]. **vision** [FCdNA25]. **VISROC** [CTPS22]. **Visual** [MKPW22, Gro22, MKPW21]. **visualisation** [NRG24].

**Visualization** [CTPS22, EL24, NRG22, RZWW23, WGGC22]. **visualizing** [MKPW21, MKPW22, TQGE23, vTDGCR21]. **ViTAE** [FCdNA25].

**ViTAE-SL** [FCdNA25]. **Vlasov** [LSW<sup>+</sup>20, CE22, Ein20, KMD<sup>+</sup>21, PMK<sup>+</sup>23, TCSA21, TKC<sup>+</sup>21, YKY<sup>+</sup>22, ZLL<sup>+</sup>24, ZWL25]. **VMD** [MKPW21, MKPW22, WKBW21]. **Vofi** [CCL<sup>+</sup>22]. **VOFTools** [LHG<sup>+</sup>20].

**volcano** [ZLV23]. **Volume** [DVB<sup>+</sup>25b, ADF<sup>+</sup>22, CCL<sup>+</sup>22, CEKR24, Dau23, DS22, FZD<sup>+</sup>24, FA20a, FA20b, KFC<sup>+</sup>20, LXY<sup>+</sup>21, LY24a, LHG<sup>+</sup>20, LH22, LH24, MSM24, MOMO25, Pag24a, PGYF21, TGBM22, VGGP<sup>+</sup>21, VTB<sup>+</sup>21, WH23].

**volume-conservation-improved** [LY24a]. **Voro** [LLR23]. **Voronoi** [LLR23, MRD23, Nis22, PCL24]. **Vorotis** [Nis22]. **vortex** [VPPQ<sup>+</sup>24].

**vortex-p** [VPPQ<sup>+</sup>24]. **vortices** [KSDH23]. **VPA** [PBK21]. **VQE** [XFGS24].

**VTAnDeM** [TQGE23].

**Wakatani** [Ken25]. **walks** [MW21]. **wall** [BKB<sup>+</sup>21, DAC<sup>+</sup>23, RZH22, YGSW21]. **wall-bounded** [DAC<sup>+</sup>23].

**wan2respack** [KMY<sup>+</sup>23]. **Wang** [AM21b, MDP22, SJ21]. **Wannier** [DSQ23, Kor23, SK24, ZXW<sup>+</sup>22]. **Wannier90** [KMY<sup>+</sup>23]. **WannSymm** [ZXW<sup>+</sup>22]. **WanTiBEXOS** [DSQ23]. **warm** [BCTS22, BRHT21, MHK24b].

**warp** [RSC<sup>+</sup>22]. **water** [CEKR24, DS22, HRG<sup>+</sup>22, ODU24, DARJ23, STA20]. **watershed** [HRG<sup>+</sup>22].

**wave** [AJDS<sup>+</sup>21, BGW<sup>+</sup>22, CGV<sup>+</sup>22, Dio23, FASD20, FWL<sup>+</sup>24a, GBD<sup>+</sup>22, GMZ<sup>+</sup>20, JZW<sup>+</sup>22, LL23, MSHP02, MSHP20, NS20, NBB<sup>+</sup>21, OYC24, Pos22, RCB<sup>+</sup>20, RRC<sup>+</sup>24, RdMS25, SJP21a, TTM22, TL20, Yan23, YJLW21, YR21, ZWL25, ZZZ<sup>+</sup>20, WWDM20, AYI<sup>+</sup>24]. **wave-packet** [Dio23].

**wave-particle** [ZWL25]. **waveform** [DRZ<sup>+</sup>21]. **waveforms** [GF23].

**wavefunctions** [MONW21, RCP<sup>+</sup>24]. **wavelength** [WMS<sup>+</sup>25]. **wavelet** [LDGN24, WXZH24]. **wavelet-learning** [LDGN24]. **waves** [AB21, BXW<sup>+</sup>25, BR20a, CFPS23, GC25, HM24a, HM24b, MDZ24, WXY20].

**way** [BDF<sup>+</sup>25, DEdM24]. **ways** [GSBN22]. **weak** [LGBJ20].

**WeakCoupling** [IYP<sup>+</sup>25]. **Weakly** [CLVV22, WLF<sup>+</sup>23, HMR22, ZWL25].



**weakly-compressible** [HMR22]. **web** [BMR<sup>+</sup>23, BMR<sup>+</sup>24b]. **week** [BR20a]. **weight** [NBC<sup>+</sup>24]. **Weighted** [MGX24, CCW<sup>+</sup>25, MRD23]. **weighter** [AAA<sup>+</sup>21]. **well** [CEKR24, MA24, ZZ24]. **well-balanced** [CEKR24, MA24]. **well-posed** [ZZ24]. **WENO** [EOR21]. **wettability** [NLS24]. **Weyl** [SLBR22]. **Wheeler** [HA23]. **whistler** [NS20]. **whole** [CL21]. **whole-core** [CL21]. **wide** [FHD25]. **widgets** [DBE<sup>+</sup>24]. **widths** [ABH<sup>+</sup>23]. **WIEN2k** [GBR23]. **wiggler** [ASA<sup>+</sup>22]. **Wigner** [DLD<sup>+</sup>21, PDD24, XWYQ21]. **Wilson** [Dir23, FKK<sup>+</sup>21]. **WIMP** [GJJN23, JKST22]. **WIMP-nucleus** [GJJN23]. **WimPyDD** [JKST22]. **wind** [YCC22]. **window** [MDZ24]. **within** [BN20, BN23, Dan23, DDW25, GOCSS<sup>+</sup>23, Mar22, NVC20, TWW22, WZZ<sup>+</sup>23, XSL<sup>+</sup>22, YHY<sup>+</sup>21]. **without** [Ham20b, NA20, SLZG20, SKM<sup>+</sup>21]. **WloopPHI** [SLBR22]. **workflow** [DSW<sup>+</sup>23, GO23, LACL24, SS22, TPS<sup>+</sup>24, WLLS25, vTDGCR21]. **workflows** [DIAA21, ZGZW23]. **WPF** [GOS<sup>+</sup>22]. **wrapper** [FCSP20]. **writing** [HGT24, KSIL22]. **wurtzite** [HLCD20].

**X** [MKPW22, CML<sup>+</sup>24, HTN21, Hua24, Jab22a, MKPW21, MSU<sup>+</sup>21, SPF21, WKJB23]. **X-ray** [MKPW22, CML<sup>+</sup>24, Hua24, Jab22a, MKPW21, SPF21, WKJB23]. **x86** [CZTF23]. **XANES** [BDP<sup>+</sup>21, MGG<sup>+</sup>20]. **Xatu** [UÁEPGBP24]. **XCHEM** [BFMA<sup>+</sup>24]. **XCHEM-2.0** [BFMA<sup>+</sup>24]. **XLB** [AS24b]. **Xsorb** [PRR23]. **XtalOpt** [HZ24]. **XTOR** [NDFL24]. **XTOR-K** [NDFL24].

**YADE** [ABB<sup>+</sup>24b, KGT22, CCC20]. **YAM2** [Par21]. **Yan** [AFJ<sup>+</sup>23]. **years** [SHB<sup>+</sup>20]. **yield** [HA23]. **yiElds** [MBF<sup>+</sup>24]. **Ying** [Pen24]. **ython** [VMRFC23].

**Z'** [LSZ23]. **Z'-explorer** [LSZ23]. **Z1** [KDHL23]. **Z2** [GBR23]. **Zapdos** [DIK<sup>+</sup>23]. **ZEFR** [RCW<sup>+</sup>20]. **zero** [DH20, MOMO24, MOMO25]. **zero-dimensional** [MOMO24, MOMO25]. **Zhang** [Pen24, PWC24]. **zinc** [HLCD20]. **zinc-blende** [HLCD20]. **ZMCintegral** [CZ21, WZPW20, ZW20]. **ZMCintegral-v5** [ZW20]. **ZMCintegral-v5.1** [CZ21]. **ZZPolyCalc** [PWC24].

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