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Title word cross-reference

(1 + 1) [SP20]. (3 + 1) [DH20]. $(zI - H)x = b$ [HKY⁺21]. 1 [BGW⁺22, JDD⁺21, LEE⁺21a, Sch21, TCSA21, WJB21, WKBW21, YYZ⁺22, ZGW20]. 1/1 [ZJM⁺21]. 2 [ALB22, BRAC23, BKRG22, CAC⁺22, GUW⁺22, LEE⁺21a, LS22, NT24, RMCC22, RBFB20, SLDF⁺21, SCL22, WWB22, WKBW21, YNV22]. 2/1 [ZJM⁺21]. 3 [ATC⁺23, BKP22, CZS⁺21, CCW20, DFG⁺23, DRZ⁺21, DBH⁺22, GTE21, GPM⁺21, GSL⁺23, GOS⁺22, IGL⁺24, JLW24, KNJ⁺23, LG21b, LLZ⁺23, LLH⁺21b, MMP20, NUK⁺22, NSY⁺23, PMS⁺20a, PGYF21, WZC21, WT22, XFH⁺22, XLG⁺23, YNV22, YHY⁺21, YKY⁺22, ZL20]. 3 + 1 [Tor20]. 3j [XWYQ21]. ¹ Σ [BGHC23]. ² [YLH⁺20]. ³ [UYS22]. ₃ [DSW⁺23]. _n [FLW⁺23]. B_0 [BGW⁺22]. C [FFTV23, NBCMH20]. δf [SNP⁺20, YC20]. e [Dry21]. e^+e^- [ABWZ23, SY20]. f [BKRG22, CJD⁺20, Ken24, MSU⁺21]. $f = 1$ [BKRG22]. F_2 [ABF⁺23a]. γ [BKS24b, Kut24]. $H\Phi$ [IKM⁺24]. i [MEH21]. jj [GF21]. K [Bzo21, Ken24]. κ [SLIC24]. $k \cdot p$ [ZYL⁺23]. $K\omega$ [HKY⁺21]. L [FFTV23]. L^2 [Yan24a]. M_2 [Par21]. M_{n+1} [FLW⁺23]. μ

[Bie21]. N [GSBN22]. ν [Bie21, GLW⁺23]. $O(a)$ [FFLR20]. $O(N)$ [Kut20, LYX22]. O^2 [KvH21]. p_T [AFJ⁺23]. ∂ [MFS⁺22]. q [MMP⁺24]. R [BAB⁺20, FMCB⁺20, MBG⁺20, PFG22, WBvdH20, BBV⁺22, BL21]. S [BDdM20, CKT21]. S_N [LEE⁺21a, WLL22]. $SO(3)$ [ST23a]. $SU(3)$ [DLD⁺21]. T [BFCR24]. $\Theta\Phi$ [PTD20]. $U(1)$ [SKM⁺21]. X [ZWP⁺22, ST23b]. Z' [AES21].

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

.Net [Gro22, GOS⁺22].

/MOC [WLL22].

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

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

2 [KKM⁺20]. **2.0** [BMS⁺23, BFMA⁺24, CTPS22, CK23, FKS20, JZW⁺22, KLMU21, Lat23, MSG⁺21, NAZ⁺22, TRB⁺20a, YKK⁺23a]. **2.01** [KOT23]. **2.1** [ABB⁺22]. **2.14** [BHH⁺20]. **2.2** [SZY⁺22]. **2.2.1** [SZY⁺22]. **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⁺23, LZP⁺24, MPZB⁺24, SZT24, SVJ⁺24, ZXT23]. **2024** [Ano24a, Ano24g, Ano24h, Ano24i, Ano24j, MJB24]. **228** [SJY20]. **264** [MKPW22]. **269** [ZYX22]. **271** [YNV23]. **287** [Och23a]. **2D** [YNV23, CAC⁺22, JLL⁺24, YZHL22]. **2D/1D** [YZHL22]. **2D/3D** [JLL⁺24]. **2DMAT** [MYM⁺22]. **2HDECAY** [KMS20b]. **2P** [DTC20]. **2V** [TCSA21].

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

4 [EMM⁺23]. **40** [DPR⁺20]. **40-Feynman** [DPR⁺20]. **403.0** [DDM20].

5 [LOT⁺20, LHG⁺20]. **50th** [SHB⁺20]. **5D** [Sit23].

6 [Gro22]. **6D** [CE22].

86 [LWC⁺21].

9.3 [SMO20b]. **95** [LGBJ20].

a-TDEP [BBB20]. **AADIS** [YZ20a]. **AAfrag** [KOT23]. **Ab-Initio** [vRCM21, BDP⁺21, FN23, SLIC24, PP23]. **ABINIT** [LACL24, BCTS22, GAA⁺20, BBB20]. **absorbers** [KJL⁺23]. **Accelerated** [BRAC23, CDT22, MSY⁺21, BMSP21, BMS⁺23, CFLR24, Cos22, CESD⁺23, DAC⁺23, DRZ⁺21, ECS23, FKK⁺21, JMOC21, JLL⁺24, KL23b, KMR22, KT23, KNJ⁺23, LG23, MRH⁺23, NT24, Nie20, Nie22a, RZH22, RCW⁺20, SXYD24, SCL22, VSM⁺22, WWM⁺22, WWJ⁺22, WVK21, XBL⁺20, XLG⁺23, YLK21, YGSW21, ZPZH20, ZHI23]. **Accelerating** [CCM20, CCC20, CNS22, HSMR⁺24, MKHT20, MPN⁺21, SJ20]. **Acceleration** [GLB⁺21, AUEO24, HLzY⁺20, JS24, LAD⁺21, LJQ⁺22, RBWD⁺24, SDL⁺21, WZK⁺24, zYMK⁺21]. **accelerator** [ABK⁺22, FA21, NBS⁺20, TAY⁺24, ZYG21]. **accelerator-driven** [ZYG21]. **accelerators** [HXS20]. **acceptor** [BMR⁺24a]. **accessible** [AMK24, BBV23]. **accuracy** [AIZ23, GB22, Jab20, LMQ⁺23, LWC⁺21, YM21]. **Accurate** [LVMGF⁺23, ZRH21, BV21, CZWE23, DLD⁺21, ENK24, Koz23, LN23, MT23, NRG24, PG23, TCY23, TLC⁺21, VGGP⁺21, XZLX20, Yan21b, ZCWY20]. **Accurately** [FN21, FO20, FO21, PPKK21]. **ACFlow** [Hua23]. **acid** [OSLC21]. **acoustoelasticity** [LLY⁺22]. **Acquisition** [AAA⁺20]. **across** [CCM20]. **actin** [HMM22]. **acting** [KT23]. **actinides** [TIG⁺24]. **actions** [GNP20]. **activation** [DARJ23, PGS⁺24]. **active** [Kür23, YYH21, ZLV23]. **active-set** [YYH21]. **actuators** [MOA24]. **Adams** [TSL21]. **AdaPT** [DHK⁺21]. **adaptability** [WLL22]. **Adaptable** [DHK⁺21]. **adapted** [GF21, GLSH21, MLD⁺22]. **Adaptive** [MDZ24, NVCS23, SVSC20, SS22, TSL21, YWM23, ASC⁺24, FAL20, FAL21, GP22, HMR22, KPR⁺24, KSF⁺22, MDR⁺20, PD23, PG23, RCB⁺20, SJP⁺21b, WJB21, WDMZ24, BBV⁺22, BL21]. **ADAQ** [DIAA21]. **ADBSat** [SCMP⁺22, SCR⁺22b]. **added** [IKM⁺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⁺22, SZT24, Xav22]. **Adsorption** [BRAC23, DvHSdS22, GAJK23, PRR23]. **Advanced** [KLM⁺22, DFP⁺20, FA20a, RMR⁺22, WLL22, XLL⁺22, LS21b]. **advancements** [OXOG23]. **advection** [PLF20]. **aeroacoustics**

[FZD⁺24, MVAXP22]. **aerodynamic** [SCMP⁺22, SCR⁺22b]. **aerosol** [WNS⁺21, WSK⁺22, YFL22]. **aerosols** [MK22]. **aerospace** [BDR⁺20]. **aerothermodynamics** [DFU20]. **against** [AES21]. **agglomeration** [FXQS21]. **aggregate** [Hal21]. **Aggregates** [FLK⁺20]. **aggregation** [DRSZ23, YD20, ZJS⁺20]. **Agnostic** [BHK⁺21, Gon22]. **AhKin** [GRCT20]. **AI** [TAY⁺24, ZHZ⁺23]. **AI-aided** [ZHZ⁺23]. **AICON** [FO20]. **AICON2** [FO21]. **aided** [MG22, ZHZ⁺23]. **AIHFLTF** [HY23]. **AIMSim** [BBV23]. **air** [SLL22, YKYK23]. **Algebra** [HW22, CB20, SCT21]. **algebraic** [ATC⁺23, GF23, LWhK⁺20, UZB22, UJ21, VÁFG⁺22]. **Algebras** [FKS20].

Algorithm
[HA23, RCS21, AAB⁺21, AG21, AYWKL24, BKP22, Bar22a, Bel24, CL20, CZX⁺21, DRSZ23, DC22, DWD⁺24, GSBN22, IUJ21, Jab20, JLL⁺24, KIK20, KRE22, Kut20, LBRW22, LMX⁺21, LAD⁺21, LLZ⁺23, LJQ⁺22, LM22, LFZ20, LNB23, MWJL23, MD20b, MDP22, MM22, PAZ⁺22, PMS⁺20a, PGS⁺24, RSC⁺22, Roh22, SN23, SRE⁺24, SJ20, SXW⁺20, SKC21, SS21b, SWB⁺23, TKS22, TKC⁺21, TCY23, VPPQ21, WWJ⁺22, WHSG24, YCC22, YYH21, Yan24a, YK21b, YNMR24, ZWP⁺22, ZZC20, Zho23, dVAR⁺24, MMC⁺21]. **algorithmic** [CLEPF22, EML22, RBWD⁺24, PCS⁺23]. **Algorithms** [FFLR20, LWhK⁺20, NR21, BBV⁺22, AKL⁺21, Bak23, BC21, BL21, CLY22, CFPS23, GHK20, KSDH23, LNP⁺24, MGG⁺20, SJP⁺21b, TV24, TAY⁺24, WZK⁺24, XQ21]. **ALICE** [KvH21, NRG22, NRG24]. **aligned** [GBS⁺20, SBZ23]. **Aligning** [Kür23]. **alignment** [KMN21, SJY18, SJY20].

all-atom [HQF⁺20]. **all-electron**
[GBR23, HLzY⁺20, LKP24, SLZY21, SDL⁺21]. **all-in-one** [GAJK23]. **Allen** [CZY20, TCY23]. **allowing** [PTD20, RBV⁺22]. **alloys** [CGZ⁺20, CWG⁺21, FDPT23, GFH23, MMCC⁺22]. **AllScale** [OIA⁺20]. **almaBTE** [RMCC22]. **along** [HMM22, MM23, Ryd20]. **Alouette** [Nie23]. **ALPACA** [HWAA22]. **alteration** [NLS24]. **AlterBBN** [AAHJ20]. **alternative** [AAHJ20, LF20]. **aluminum** [BCTS22]. **Amazon** [RMM21]. **ambipolar** [VGGP⁺21]. **AMD** [OLNG21]. **ameliorated** [AGJ⁺23]. **AMFlow** [LM23]. **Amino** [OSLC21]. **AMMCR** [MMC⁺21]. **amorphous** [AMP⁺21]. **AMP** [YLH⁺20]. **amphiphiles** [YD20]. **amplitude** [BN20, BN23, KRL⁺24]. **Amplitudes** [KMS20a, ADC⁺21, GHL23, HJK⁺24, PAM24]. **amplituhedron** [LM21b]. **AMR** [MOV21, PCS⁺20, WA21]. **AMR-based** [PCS⁺20]. **ana.cont** [KH23]. **analog** [MKHT20]. **analyse** [HHMH⁺22]. **Analysers** [ANU21]. **analyses** [GFD⁺24, PP21]. **Analysis** [BHK⁺21, CPL21, Dry21, GSM⁺22, KAB⁺21, KFC⁺20, SBZ23, AMP⁺21, AS22, ACD⁺22, BDP⁺21, BYL⁺21, CdBMdAS⁺21, COJ⁺22, CGG21, CL21, DFP⁺20, EBBB22, FPSZ21, FA21, Gal22, GSL⁺23, GvdBdGN24, GVV22, GHKW22, Gro22, HS22, HT24, HL21, Hor23b, HSO⁺22, IUJ21, Jab22a, JKKN23, KJL⁺23, KDHL23, KLM⁺22, LKP21, LLH21a, MMC⁺22, MGG⁺20, MZD⁺20, MYM⁺22, MRG22, NG21, NL23b, Nis22, PLT⁺23, PPK22, RDH⁺20, RZWW23, SKDH24, SMC⁺22, SRML20, SKS24, SFC20,

SLDF⁺²¹, SCF²⁰, SCMP⁺²², SCR^{+22b}, TPS⁺²⁴, WXL⁺²¹, WLL²², WAYL²³, WS²³, Yev²¹, YLK⁺²⁰, ZXW⁺²², ZDLS²¹, GOS⁺²². **Analytic** [WMM⁺²⁴, DML²³, Hua²³, KH²³, KM²², MD²², PLT⁺²³]. **Analytical** [CLEP²⁴, Flo²⁴, Jab^{22a}, Rod²², CLEPF²³, Mau²⁰, MZV²³]. **analyzer** [AMP⁺²¹]. **analyzer** [YZ^{20a}]. **Analyzing** [MMFdL²¹, DIKSN²⁴, MKPW²¹, MKPW²², MRG²², YNV²², YNV²³]. **Anderson** [NVCS²³]. **angle** [LGK⁺²², SMC⁺²²]. **angled** [AE²³]. **angles** [MBCC²³]. **Angular** [GF²¹, BFMA⁺²⁴, CCW²⁰, CWJ²¹, JDS²⁰, Pos²², ST^{23a}]. **angular-momentum** [ST^{23a}]. **anharmonic** [MPSK²¹]. **anharmonicity** [BBB²⁰, CZB⁺²³]. **Animating** [GPD⁺²²]. **Anisotropic** [MD^{20a}, MBH²¹, BCHE²¹, BVV²², BDR⁺²⁰, DRM²⁰, FLK⁺²⁰, GBS⁺²⁰, LLH^{+21b}, MM²³, PGYF²¹, YNV²², YNV²³]. **anisotropy** [GHL⁺²², RZWW²³]. **annealer** [WWDM²⁰]. **annealing** [RCS²¹, WWJ⁺²²]. **Anniversary** [SHB⁺²⁰]. **Announcement** [AAT⁺²⁰, ASPDL⁺²¹, Pos²², SJP^{21a}, Dio²³, GST²¹, Jab^{22b}, MBB²⁴, MPZB⁺²⁴, ZXT²³]. **annular** [SDXY²³]. **ansatz** [SZ²³, JWK⁺²¹]. **ANT** [SZT²⁴]. **anti** [KTF²²]. **anti-neutrino** [KTF²²]. **antineutrino** [AG²³]. **antinuclei** [KOT²³]. **antisymmetric** [DEV²⁰]. **Appell** [ABF^{+23a}]. **Application** [BCTS²², DSW⁺²³, LBM⁺²³, WWB²², XSL⁺²², BB^{24a}, BBA⁺²⁰, DS²², FKS²⁰, GLB⁺²¹, HQF⁺²⁰, LKP²⁴, LLY⁺²², LMMP²³, MMC⁺²², MYM⁺²², MCB⁺²⁰, SPTPR²¹, SKS²⁴, TCD²⁰, YHH⁺²⁰, CMS²²]. **Applications** [Jab²⁴, AFB^{+24a}, BDR⁺²⁰, FRN⁺²³, MMP²⁰, OIA⁺²⁰, RDC⁺²⁰, TV²⁴, Yan^{21a}]. **applied** [AWV²², BDdM²⁰, IUJ²¹, KFHR²⁴, LJS²¹, TPCT²², YXX⁺²¹]. **applying** [AMP⁺²¹, Jia²⁰]. **approach** [Ano^{20c}, BB²¹, CPL²¹, CS^{22a}, Che²³, CB²⁰, CLEPF²², Dau²³, DR²¹, DVC⁺²², DBR²⁴, EST²³, GBS⁺²⁰, GBD⁺²², GQ²², GP²², HHT²², KK¹⁶, KFHR²⁴, LOT⁺²⁰, LLH^{21a}, MMM²⁰, MSU⁺²¹, MOA²⁴, MSM²⁴, NAZ⁺²¹, PP²³, PC²¹, RTRB²¹, TSAK²¹, WH²³, WBvdH²⁰, WYT²³, Xav²², Xie²³, YI²², YW²¹, YK^{21a}, YD²⁰, PBK²¹, SMO^{+20a}]. **Approaches** [TRN⁺²⁴, CGV⁺²², GSLS²⁰, LF²⁰]. **approximants** [PPK²²]. **approximate** [WWJ⁺²²]. **approximation** [AYI⁺²⁴, AKL⁺²¹, BND²², CL^{22a}, Dan²³, JRS⁺²¹, OYC²⁴]. **April** [Ano^{20a}, Ano^{21a}, Ano^{22a}, Ano^{23a}, Ano^{24a}]. **Arbitrarily** [CWJ²¹, GZW²⁰, BAB⁺²⁰]. **arbitrary** [ABD⁺²³, CT²³, GF²³, LH²², MSM²⁴, SHS²², Sij²³, WGG²⁰, Xie²³]. **arc** [ZGW²⁰, RSPJ²¹]. **Architecture** [YK^{21b}, AGH²¹, FAL²⁰, FAL²¹, Nor²³, RCS²¹, RL²¹, ZWZ⁺²²]. **Architecture-based** [YK^{21b}]. **Architectures** [LPSK²⁰, DFG⁺²³, DRB²², EPM²³, LJS²¹, OGL⁺²¹, ZAW⁺²¹]. **arctangents** [BTW²⁰]. **area** [ZDG⁺²¹]. **ARGES** [LS^{21b}]. **argon** [BCF⁺²⁴]. **arithmetic** [SC²⁰]. **ARM** [OLNG²¹]. **arrangement** [MRG²²]. **arrival** [Hor^{23b}]. **arrival-time** [Hor^{23b}]. **ARSENY** [GSV²³]. **art**

[KMM21, KM20, KMS20b, SKM⁺21]. **ARTEMIS** [JYL⁺23, TDR⁺20].
Artificial
 [UMA21, LPSK20, SWZ23, YKYK23, KHKL24, PMSHG23, ZHI23].
artificial-neural-network [KHKL24]. **ARUZ** [KHR⁺23]. **aspects**
 [JWK⁺21]. **Assessing** [DTGE21]. **Assessment** [HA21]. **assignment** [FN21].
assimilation [MMYU22]. **assisted** [HPRS23]. **ASTI** [MMYU22].
astroparticle [LFZ20]. **astrophysical** [RDC⁺20]. **asymmetric**
 [SJY18, SJY20]. **asymmetry** [BMM21]. **atmospheric** [GSL⁺23, HA21].
Atom [LCL⁺23, CLZ⁺21, FN23, HQF⁺20, HLzY⁺20, LHTP⁺24, PBK21,
 Pos22, SCT21, YNMR24]. **atom-atom** [PBK21]. **Atom-centered**
 [LCL⁺23, HLzY⁺20]. **atom-laser** [FN23]. **atomic**
 [ČPF⁺24, FMCB⁺20, Gai20, GK21, GTE21, GLSH21, GOCSS⁺23, GVV22,
 GSV23, KRL⁺24, LWS⁺23, LU21, MMV⁺24, RSPJ21, RPG⁺20, TAB⁺22,
 UZB22, YT23, YKY⁺22, ZRH21]. **Atomistic** [Che23, ART⁺20, CGZ⁺20,
 CZTF23, IGL⁺24, MKPW21, MKPW22, SKC21, WBK⁺24, YZ20a].
AtomREM [NA20]. **atoms**
 [BAB⁺20, HY23, LWC⁺21, RZ23, SJP21a, SLA22, TNL⁺22, ZLMH23].
A}Tools [YNV22, YNV23]. **attenuation** [GRCT20]. **attice** [FFTV23].
attosecond [Koz23]. **augmented** [HM24, WT22]. **August**
 [Ano20b, Ano21b, Ano22b, Ano23b]. **auto** [BS23, TAGC22a].
auto-correlated [BS23]. **autoencoder** [YLL⁺22]. **Automag** [GO23].
automata [SYFT23]. **Automated**
 [AUO⁺22, ATRD21, DSW⁺23, GSBN22, HLM22, LJS21, VZ20, ZLV23,
 ABH⁺23, GAJK23, HBM⁺24, HGS20, LBM⁺23, LEL⁺22, MOA24, YLH⁺20].
Automatic [DIAA21, DR21, MMM20, CGZ⁺20, CZB⁺23, GO23, XLG⁺23].
automatically [WYZZ23]. **automating** [UMA21]. **automation** [GAS⁺23].
automatized [WGGC22]. **AutoPas** [GSBN22]. **autoregressive** [BKS22].
autotuning [KMM21]. **Auxiliary**
 [MVK⁺24, Bag22, GJA21, LM23, WYT23, YK21a]. **auxiliary-field** [GJA21].
averaged [MOMO24]. **averaging** [MPSK21]. **avoiding** [WGS⁺22]. **Aware**
 [DS22]. **AX** [FLW⁺23]. **Axial** [RSM21]. **Axially** [MSN⁺22].
Axially-deformed [MSN⁺22]. **axisymmetric** [BJS⁺23, HSB⁺24].
azimuthal [LAD⁺21].

B [CCK23, AGH21, WGG20]. **B-spline** [WGG20]. **background**
 [BKO20, MGC⁺23]. **backscattering** [LGK⁺22]. **backward** [MM22]. **Baer**
 [Dau23]. **Baer-Nunziato** [Dau23]. **balancing** [MLT⁺21, TPK⁺21, ZHZG23].
Band [RMFB23, BFD22, BMI23, CL20, DSQ23, GLN23, IMB⁺22, MFB23,
 SLZG20, WZZS21]. **bandstructure** [LKP24]. **Bang** [AAHJ20]. **Bardeen**
 [PTD20]. **Barna** [RMCC22]. **barycentric** [WVK21]. **baryon**
 [BMM21, DH20]. **Base** [TL20]. **based**
 [AZH⁺24, AAG⁺20, ABGD⁺20, ACD⁺22, AMA⁺20, ASC⁺24, BCHE21,
 Bar22a, BFCR24, BCGT24, BTW20, CDD22, CLS22b, CZWE23, CTPS22,
 Dau23, DFU20, DP21, DSQ23, ENK24, FN21, FJ22, FYW23, FLW⁺23,

FMBD22, Gal22, GDK21, GAGO21, HPY21, HL21, HTL⁺22, HT20, HWL⁺23, HFP21, HWAA22, HBM⁺24, HLCD20, HHT⁺24, IJVJ21, JLW24, JKSY22, KKLZ23a, KKLZ23b, KTF22, KRJ23, KPR⁺24, KMN21, KSF⁺22, KHR⁺23, KR23, KL23b, KM23, KRE22, KG21, LGDF20, LAD⁺21, LLC⁺23, LWS⁺23, MHÅ21, MMCC⁺22, MEDT⁺23, MSU⁺21, MMV⁺24, MBCC23, MSM24, MRD23, NSY⁺23, NJSY22, OIA⁺20, OBGA24, OSK⁺21, OLNG21, ONH⁺20, PMS⁺20a, PAL⁺20, PM21, PCS⁺20, QCZ23, RMCC22, Di 22, SRC21, SLB⁺23, SBG23, SWTC23, TCY⁺21, TPS⁺24, TAB⁺22, TLC⁺21, UD24, VB22a, VV21, eSdSBST21, WAET22, WPMK21, WVK21, WKJB23, XFH⁺22, YFL22, YCCW23, YKK⁺23a, YSX⁺20]. **based** [YZHL22, YKSH20, YMCF23, YK21b, YKK23b, YZZ⁺23, ZWC⁺20, Zha20, ZRZ⁺21, ZWZ⁺22, ZRH21, Zho23, ZHZG23, SKEZ24]. **bases** [HY23, ZRH21]. **Bashforth** [TSL21]. **Basic** [Gro22, HW22]. **Basics** [BC22]. **basis** [DEV20, FASD20, HLzY⁺20, JZW⁺22, LM22, MSN⁺22, MLD⁺22, MSHP02, MSHP20, VCHH23, VTB⁺21, WGG20, YJLW21]. **Batched** [HW22]. **Bateman** [CLEPF22]. **bath** [CLY22]. **Bayesian** [CV21, KKP22, HGS20, MTY⁺22, NG21, TV24]. **BaZrO** [DSW⁺23]. **BCS** [RSM21, Jia20]. **BDDC** [SFS22]. **BDK** [KMS20a]. **BDSIM** [NBS⁺20]. **beam** [MGC⁺23, PK24, TLC⁺21, TCcN23]. **beam-target** [TLC⁺21]. **beams** [HTL⁺22, PMSHG23]. **BEC2HPC** [GTA21]. **BECs** [SCL22]. **BEEC2.0** [YZW22]. **behavior** [JLL⁺24]. **Behler** [vdHKB⁺23]. **Belle** [BBB⁺21]. **belt** [DRM20]. **belts** [NS20]. **Benchmark** [KFPV21, SNP⁺20]. **Benchmarking** [ASA⁺22, MGC⁺23]. **benchmarks** [KPL⁺21, WKR23, ZJM⁺21, ZRH21]. **BerkeleyGW** [LACL24]. **Berry** [RCP⁺24]. **BESLE** [GPM⁺21]. **Bessel** [CCK23, GDB10]. **beta** [AG23]. **Betaboltz** [RCB21]. **Bethe** [JWK⁺21, LG21a, SA23, ZAW⁺21]. **BetheSF** [LG21a, LG21b]. **between** [BMREC21, BLN⁺21, CXCZ23, Efr20, Efr21a, MRT⁺22, Tan23, UZB22, YLL⁺22, ZJM⁺21]. **beyond** [AFJ⁺23, COJ⁺22, DDM20, MSG⁺21, UMA21]. **BGK** [LSW⁺20]. **BGSDC** [TBAR21]. **Bhatnagar** [FJ22]. **bi** [BA24, LLH⁺21b]. **bi-anisotropic** [LLH⁺21b]. **bi-directional** [BA24]. **bi-Lebedev** [LLH⁺21b]. **biasing** [PYT⁺24]. **BiconeDrag** [SPTPR21]. **bifold** [Kar23a, Kar23a]. **Big** [AAHJ20]. **Big-Bang** [AAHJ20]. **billion** [CLZ⁺21]. **bimetric** [Tor20]. **bimEX** [Tor20]. **binary** [LLT⁺23, LLQ⁺23, VHBK21, ZLLM23, ZCWY20]. **Binding** [DSQ23, JPJ⁺23, KVSC21, LZK⁺23, NKP20, WPMK21, ZYLY22, NKP20]. **BinPo** [MFB23]. **bio** [COJ⁺22]. **bio-shield** [COJ⁺22]. **biofilm** [OCE⁺23]. **Biofilm.jl** [OCE⁺23]. **biomedical** [MVF20]. **biomolecular** [DCZ23]. **Biot** [SSH⁺23]. **bipartite** [CL22a]. **Bipolar** [WSK⁺22]. **Bit** [Fis24]. **Bit-twiddling** [Fis24]. **Black** [BLN⁺21]. **Black-box** [BLN⁺21]. **blackout** [GSL⁺23]. **blade** [KKY24]. **BLAS** [HW22]. **blende** [HLCD20]. **blends** [BMR⁺24a]. **Bloch** [GLB⁺21, MONW21, RCP⁺24, RJ21]. **block** [Cos22, UJ21, ZJ23]. **block-pressure-velocity** [UJ21]. **blocking** [AWV22]. **blood** [ZMC23, ZHZ⁺23]. **Blues2** [SOH⁺23]. **BNP** [CCG21]. **board** [AAG⁺24, Ano20e, Ano20f, Ano20g, Ano20h, Ano20i, Ano20j, Ano20k, Ano20l,

Ano20m, Ano20n, Ano20o, Ano20p, Ano21o, Ano21d, Ano21e, Ano21f, Ano21g, Ano21h, Ano21i, Ano21j, Ano21k, Ano21l, Ano21m, Ano21n, Ano22d, Ano22e, Ano22f, Ano22g, Ano22h, Ano22i, Ano22j, Ano22k, Ano22l, Ano22m, Ano22n, Ano22o, Ano23d, Ano23e, Ano23f, Ano23g, Ano23h, Ano23i, Ano23j, Ano23k, Ano23l, Ano23m, Ano23n, Ano23o, Ano24b, Ano24c, Ano24d, Ano24e, Ano24f]. **bob** [SPTPR21]. **Body** [GBJ⁺21, ATRD21, DC22, JDS20, KWK⁺21, MAJ20, PPKK21, RMM21, Xav22, XBL⁺20]. **Bogner** [CCK23]. **Bogoliubov** [ATRD21, CLS⁺22a, MSN⁺22, SKDH24]. **Boltzmann** [ASC⁺21, AHP21, BBA⁺20, CK20b, CKT21, DACA⁺22, DCZ23, JMOC21, KFPV21, KBSH20, KAS24, MWJL23, MD21, NL23a, PPR⁺21, PLSB22, QCZ23, STA20, WJB21, WWB22, WHB21, WA21, WKR23, YCCW23, YM21, YD20, ZPZH20, ZPL⁺24]. **bond** [HLCD20]. **bond-orbital** [HLCD20]. **bonded** [VXT⁺23]. **boom** [EOR21]. **boosting** [CFL⁺22]. **Bootstrapped** [ZJ23]. **BORAY** [sXBkB⁺22]. **Boris** [DML23, ZK20]. **Born** [SOH⁺23, XZLX20]. **Bose** [BKRG22, KRG21, MBA21, RVM⁺21, SKDH24]. **boson** [BHH⁺20, DDM20, KKM⁺20, SZ23, GKIB21]. **bosons** [ABB⁺22]. **BoSS** [GKIB21]. **both** [RVRT22]. **bounce** [GNP20]. **bound** [GTMB21, MZ22]. **Boundaries** [LM21b, FBMD20, GPN20, NR21, TS23, XSM22]. **Boundary** [GPM⁺21, ATC⁺23, ELSV24, FYW23, FMHH24, GVV22, HPAW21, KD23, MD20a, MVF20, NL23a, RZH22, STA20, SP20, SXYD24, TCD20, TTM22, WXY20, Yan21a, YSX⁺20, YXX⁺21, ZPZH20, Zha20, ZPL⁺24]. **boundary-cascaded** [ZPZH20]. **bounded** [DAC⁺23, HPAW21]. **Boussinesq** [TL20, TSL21]. **Boussinesq-type** [TL20]. **BOUT** [DKM⁺24, SDXY23, WXW⁺21, ZSqXY21]. **box** [BLN⁺21]. **brackets** [CLVV22, Efr21b, Efr23, SMGK21]. **Braginskii** [BJL⁺24]. **Bratu** [Ano20c, KK16]. **Brazilian** [CCG21]. **breakdown** [CHA21]. **breast** [BSG⁺21]. **Breit** [HA23, WBvdH20]. **BREMS** [Pos22]. **bremsstrahlung** [EMM⁺23, Pos22]. **bridge** [WHS24]. **bridge-inspired** [WHS24]. **bridging** [Yan23]. **Brillouin** [Dür23]. **BROADCAST** [PCS⁺23]. **broadening** [Bul21]. **Brownian** [DG20]. **Brute** [JRG21, XSM22]. **brute-force** [XSM22]. **Brute-forcing** [JRG21]. **BSHF** [WGG20]. **BSM** [BBH⁺23, PAM24]. **BSMArt** [GJ24]. **BSMPT** [BMM21]. **BTE** [RMCC22]. **BTE-Barna** [RMCC22]. **bubbly** [LMHL20]. **build** [IGL⁺24]. **bulk** [DAA⁺24, SLDF⁺21, WGS⁺22, MMC⁺22]. **Burn** [ZYG21]. **Burn-up** [ZYG21]. **Burnup2.0** [ZYG21].

C [ADC⁺21, Dan23, DH22, DLD⁺21, FXZT21, FTG23, GCK21, Kar23b, KMU⁺23, Koz23, MVF20, SW23, UMA21]. **C#** [Gro22]. **C-code** [GCK21]. **C1** [ZJM⁺21]. **Cache** [AWV22]. **CAD** [OBGA24]. **CAD-based** [OBGA24]. **Cadabra** [CFPS23]. **CAGE** [RHW⁺21]. **Cahn** [CZY20, KSF⁺22, LM21a, LHC20, TCY23, Yan21b]. **Cahn-type** [TCY23]. **CALANIE** [MD20a]. **Calc** [BMR⁺23, BMR⁺24b]. **calculate** [DZZ21, Efr20, GTE21, LL23, PB23]. **Calculating**

[BGH22, GBH20, AAHJ20, BGHC23, CL20, FO20, FO21, GO23, GBR23, HTL⁺22, HHT⁺24, Jab20, KSG22, LKP24, LLS⁺21, LLZ⁺22, MKPW21, MKPW22, RPG⁺20, SLZG20, SP23, YKSH20]. **Calculation** [BRHT21, Efr21a, Efr21b, SLLA22, SMGK21, UZB22, WKBW21, ZYG21, AUEO24, BRAC23, BMR⁺24b, BND22, CL21, DCRF23, DS20, ENK24, FASD20, GTMB21, JKST22, KvdW20, KKLZ23a, KKLZ23b, Kar23a, KT23, KM20, KMS20b, LYC20, LEL⁺22, LHG⁺20, MMC⁺21, MMP⁺24, Mar22, MPZB⁺24, NAZ⁺21, NAZ⁺22, Och23a, Och23b, OYC24, Ols23, Pos22, SJP21a, TMC22, TB20, UO20, WGGC22, XOTI22, BMR⁺23]. **calculations** [ADW⁺23, AAMY23, AJW⁺21, AM21a, BHH⁺20, BR20a, BLN⁺21, CLY22, CFBRE24, CMS22, Cas24, ĆPF⁺24, Dan24, DvHSdS22, Fon21, GM20, HY23, IJVJ21, Jab22a, JPJ⁺23, KCS22, LVB22, LWS⁺23, LLS⁺21, LG23, MJB24, MAJ20, MSHPO2, MSHP20, MDR⁺20, NVCS23, DARJ23, RDV⁺20, RCP⁺24, RG21, RSPJ21, RTRB21, SY20, SMB20, SXW⁺20, SDL⁺21, SC22, SOH⁺23, UMA21, VCF22, VvBTH20, WZZ⁺23, YT23, YHY⁺21, YLH⁺20, ZRH21, ZHM21]. **calculator** [ABH⁺23, FCTFR20, Kut24, MBTB21, UAS22]. **calculus** [BSK⁺22, CLEPF22, KMR22]. **calorimeters** [ABF⁺23b]. **can** [SWZ23]. **capabilities** [KGT22]. **capability** [FA20a, MCB⁺20]. **capacitively** [JDD⁺21]. **capacity** [LHWX24]. **capsules** [TKC⁺21]. **capture** [TAE⁺21]. **Caravel** [ADC⁺21]. **carbon** [PK24]. **cardiovascular** [AFB⁺24a]. **Carlo** [ABGD⁺20, ASPDL⁺21, ACD⁺22, AJW⁺21, BRAC23, BB21, BCF⁺24, BKO20, BKS24b, BIK⁺21, BKBL22, BKG⁺23, CCM20, DRSZ23, DDM20, DdCAG23, ELSV24, FXQS21, GJA21, GAGO21, GHK20, HT24, HLMB24, HQF⁺20, Hua23, HSMR⁺24, Ilt21, JWW⁺23, JKKN23, JDD⁺21, KOT23, Kal20, Kol22, Kol23, LAC21, LTMK21, LLL24, LC24, LHWX24, MMM23, MT23, NL23b, Nie22a, OBL⁺21, PAZ⁺22, PLT⁺23, PYT⁺24, PPR⁺21, PC21, RSC⁺22, RCB21, Roh22, SNP⁺20, SJP⁺21b, SHS22, SNG20, SLIC24, TAY⁺24, WAN⁺22, WSRO24, WZPW20, YLK⁺20, ZHS⁺20, ZDLS21]. **Carlo-effective** [PC21]. **carlomat_4.0** [Kol22]. **carrier** [TQGE23]. **Cartesian** [HG22, LEE⁺21a, RVRT22]. **cascade** [CLZ⁺21, SZY⁺22]. **Cascaded** [AHP21, ZPZH20]. **cascades** [BKO20]. **case** [Jia20, TPS⁺24]. **catalysts** [RSC⁺22]. **Catalytic** [KBSH20]. **Causal** [Bel24, CDT22]. **cavities** [BBA⁺20, DKRSR22]. **CBM** [GBJ⁺21, SCF20]. **CCA** [TCY⁺21]. **CCS** [KWK⁺21]. **CDFTPY** [VCF22]. **CDPDS** [KR23]. **Celebrating** [SHB⁺20]. **Celeris** [TL20]. **Cell** [FAL21, YYC⁺23, ASC⁺24, BCHE21, BC21, BTK24, CTZW23, DBH⁺22, FN21, FYM⁺22, LMX⁺21, LAD⁺21, LM20, MFS⁺22, Mar22, MRH⁺23, MLT⁺21, OCR⁺22, PSMRS⁺23, PGYF21, RC23, SXYD24, SWB⁺23, TWR21, Ume22, XSM22, XHY⁺24, YC20, YWX⁺23, ZK20, ZDSS23, ZLS⁺22, DFG⁺23, DWD⁺24, FAL20, FA21, KG21, OGL⁺21, SAC⁺21]. **cell-centered** [PGYF21]. **Cell/Monte** [JDD⁺21]. **CellListMap.jl** [Mar22]. **cells** [LLR23, ZHM⁺24]. **cellular** [SYFT23]. **Center** [SMO⁺20a, BKP22, BJS⁺23, GDS⁺21, LM22, MHP23, SSB⁺23, XQ21].

center-evolving [LM22]. **centered** [HLzY⁺20, LCL⁺23, PGYF21].
centering [ZLS⁺22]. **central** [AAG⁺24, For22, GST21, WGG20]. **centrality**
 [YZL⁺23]. **CepGen** [For22]. **cepstral** [EBBB22]. **cerebral** [dMMLOS20].
Cerman [MHÁ21]. **CFD** [ADF⁺22, PCS⁺23, SJWL22, AFB⁺24a]. **CGMF**
 [TSJ⁺21]. **Chain** [HSMR⁺24, HQF⁺20, LWhK⁺20, LTMK21, MMM23,
 VFS23, WGS⁺22, EGKH24]. **chains** [EGKH24, LF20]. **chalcogenides**
 [SKS24]. **chambers** [TAGC22a]. **Chandrasekhar** [Jab20]. **change**
 [RSD20, SRT⁺20]. **channel** [CGV⁺22, GOS⁺22]. **channeling** [Nie20].
channels [ABWZ23]. **Chaos** [GBJ⁺21]. **chaotic** [SRML20]. **character**
 [YZ20a]. **characterisation** [ANU21]. **characteristic** [XDF20].
characteristics [CL21, CTPS22]. **characteristics/diamond** [CL21].
characteristics/diamond-difference [CL21]. **characterization**
 [HMM22, SLBR22, vTDGCR21]. **charge** [BTK24, DBM⁺24, FN21,
 KKLZ23a, KKLZ23b, OCR⁺22, RC23, SWB⁺23, ZPL⁺21].
charge-conserving [FN21]. **Charged**
 [TGGC23, BFL⁺22, SLP⁺22, SLA22, SA23]. **charges** [FH22]. **charging**
 [WSK⁺22, YFL22]. **Chebyshev** [BND22, LS22]. **chemi** [Nis23].
chemi-topology [Nis23]. **chemical** [AHM⁺23, FCTFR20, FBC⁺21,
 MPZB⁺24, RHW⁺21, SVJ⁺24, ŻTR⁺22, CV21]. **chemically**
 [CZWE23, Gal22]. **chemicals** [BBV23]. **cheminformatics** [BBV23].
chemistry [BLN⁺21, CNS22, Koz23, OCE⁺23, PM21, XFGS24]. **Chern**
 [GBR23]. **chi** [GST21]. **chi-square** [GST21]. **chip** [DHK⁺21]. **CHIPR**
 [RV20, RV21, Xav22]. **chiral** [LU21, YLL⁺22]. **Chirally** [HHT22].
Chromodynamics [KK20]. **cij** [LDW⁺21]. **CIMBA** [Ilt21]. **circuit**
 [OV23, YWX⁺23]. **circuits** [WHS24, dBBVA20]. **circular** [NG21].
CITDSE [FN23]. **CKBIT** [CV21]. **CLAS12**
 [TAGC22a, TAGC22b, TGGC23, TGIM23]. **class** [FYW23, YZW21].
Classical [TNL⁺22, GSV23, KF23, SLA22, VCF22, XQ21]. **Classification**
 [SLL⁺21, BBA⁺20, DR21, Nis23]. **classifiers** [KHKL24, VEHCM21].
Clifford [KF23]. **Clinamen2** [WBK⁺24]. **clinical** [BSG⁺21]. **CLIP** [UO20].
cloak [YWM23]. **closure** [BJL⁺24, LMMP23]. **clots** [ZHZ⁺23]. **cloud**
 [RMM21]. **CLT** [ZJM⁺21]. **clumps** [OAP⁺24]. **Cluster**
 [Nis23, ZYC20, CHY⁺24, DRSZ23, HAM⁺20a, PPKK21, YX24].
cluster-cluster [DRSZ23]. **Clustering** [DR21]. **cm** [FYM⁺22]. **CMInject**
 [WAK22]. **CMS** [TPS⁺24]. **CNOK** [SW23]. **coagulation** [WNS⁺21].
coarse [MBCC23, NA20, OCK⁺24, ZKZ⁺24, Zho23]. **coarse-grained**
 [MBCC23, OCK⁺24, ZKZ⁺24]. **Coarsest** [EVFRHR23]. **Coarsest-level**
 [EVFRHR23]. **coaxial** [YMcF23]. **Code**
 [OGL⁺21, RSM21, VXT⁺23, YX24, ZYG21, AAG⁺20, ABGD⁺20, ARLDG24,
 AMA⁺20, AAHJ20, ASC⁺24, B JL⁺24, BFD22, BFCR24, BCTS22, BDA⁺20,
 CR20, CFBRE24, CZA⁺23, CAC⁺22, CAWK22, CZS⁺21, COJ⁺22, CTZW23,
 CZB⁺23, CKC⁺21, CESD⁺23, Dan23, DMS⁺22, DIK⁺23, DFU20, DSQ23,
 DBH⁺22, DHE⁺24, Dry21, DBdFdsR21, EBBB22, FMCB⁺20, FFTV23,
 FAL20, FAL21, GRCT20, GCK21, GBD⁺22, GLN23, Hua24, JKST22, Jia20,

Kal20, Kar23a, KAB⁺21, KJL⁺23, KBH⁺24, KMU⁺23, KDK23, KT23, KSIL22, Koz23, Kul20, LOT⁺20, LG23, LVMGF⁺23, LDW⁺21, LJS21, MG22, MFB23, MRH⁺23, MSU⁺21, MHP23, MAMK21, MDR⁺20, NUK⁺22, NSY⁺23, NBS⁺20, NL23b, Nis22, Nor23, Och23a, Och23b, OAP⁺24, OLNG21, PP23, PLSB22, RMR⁺22, RCP⁺24, RV20, RV21, RMFB23, SLK23, SMA24, SP23, SHW⁺21, SPF21, SZNW23, SW23, TSJ⁺21, TMC22, TCSD24, UÁEPGBP24]. **code** [WKBW21, WXL⁺21, XSM22, sXBkB⁺22, XHY⁺24, YHH⁺20, YGSW21, YLK⁺20, ZMC23, ZJM⁺21, ZDSS23, ZXW⁺22, NUK⁺22]. **code-generation** [LJS21]. **codes** [BMREC21, BPMMP24, DRM20, LSF23, MLT⁺21, MT23, PSMRS⁺23, SRT⁺20, SAC⁺21, TWR21]. **coefficient** [LN23]. **coefficients** [DLD⁺21, Efr20, Efr21a, EBBB22, GF21, MBTB21, NRKA22, ÖAÖ24, PDD24, TAE⁺21]. **COGENT** [KDK23]. **coherent** [Jia20, KMBP24, MR22, MS24, Roh22]. **coherent-pair** [Jia20]. **cold** [BGW⁺22]. **ColESo** [Bak23]. **collaborative** [DBBP23, WLL22]. **Collection** [Bak23]. **collective** [ASA⁺22, GLW⁺23]. **collider** [GPD⁺22, YZW22]. **colliders** [JWW⁺23]. **collinear** [GOCSS⁺23]. **collision** [BDK⁺23, BKS24b, CKT21, CLZ⁺21, KSJ⁺22, KDK23, SNP⁺20, WJB21, WWB22]. **collisionality** [BJL⁺24]. **collisionality-extended** [BJL⁺24]. **collisionless** [NBB⁺21]. **collisions** [Ada22, BCT20, BKBL22, CJD⁺20, For22, GBJ⁺21, GSV23, JDD⁺21, MBH21, MEH21, NRG24, SLLA22, WLF⁺23, YZL⁺23]. **collocated** [KFC⁺20]. **collocation** [FYW23, YNMR24]. **colloidal** [BMT⁺20, BLM⁺22, DG20]. **combination** [ADH⁺20, BRAC23, HT24]. **combinatorial** [JWK⁺21]. **combined** [ACD⁺22, LZP⁺24]. **combining** [LACL24, SHW⁺21]. **combustion** [Di 22]. **COMET** [YLK21]. **Comm** [AAT⁺20, Ano20c, MSHP20, SJY20]. **command** [Kut24]. **command-line** [Kut24]. **commensurate** [NNMJ22]. **Comment** [CCK23]. **Commics** [PRS⁺20]. **common** [DAA⁺24]. **Commun** [FAL21, MKPW22, Och23a, YNV23, ZYX22]. **communication** [GSL⁺23, KMM21]. **communications** [BGR23]. **community** [YCC22]. **Comparative** [SKM⁺21]. **Comparing** [DAA⁺24]. **Comparison** [NCF⁺23, TV24, EVMP20, GSLS20]. **Compatibility** [GOCSS⁺23]. **Compatible** [Sij23, BCD⁺21]. **compiler** [VB22a]. **Complete** [CS22b, YK21b]. **complete-search** [YK21b]. **complex** [ASPDL⁺21, ABD⁺23, CZS⁺21, CL22a, DIKSN24, GFH23, HMR22, KHKL24, KDIN⁺23, LLT⁺23, LLQ⁺23, LLH⁺21b, MD20b, NR21, SN23, SXYD24, SFC20, SBP20, WZZS21, WZK⁺24, YMCF23]. **complex-valued** [CL22a]. **complexity** [GJA21]. **component** [BSC⁺21, DKM⁺24, HWL⁺23, YWTK23, Yev21]. **component-based** [HWL⁺23]. **composites** [BDR⁺20, FLK⁺20]. **compound** [NRK⁺21]. **compounds** [AMP⁺21]. **comprehensive** [GWA⁺23]. **compressible** [Bak23, BMSP21, BBA23, BSC⁺21, Dau23, DAC⁺23, GSL24, GB22, HMR22, HWL⁺23, HJGL22, LJH⁺23, LJS21, PCS⁺23, RCW⁺20, SPLD20]. **compression** [LMHUR23, TW21b, VPS23]. **compressional** [YYC⁺23]. **compressive** [LLH21a]. **Comput** [AAT⁺20, Ano20c, FAL21, MKPW22,

MSHP20, Och23a, SJY20, YNV23, ZYX22]. **Computation**
 [CT23, LY22, ADC⁺²¹, BV21, Bag22, DLD⁺²¹, GTA21, GST21, KF23,
 KGT22, KYH24, KD23, LG21a, LM23, LLR23, MG22, MBTB21, PBK21,
 RZ23, UÁEPGBP24, WZZS21, YYZ⁺²²]. **Computational**
 [AMA⁺²⁰, OSLC21, PRS⁺²⁰, VHBK21, AFB^{+24a}, BMREC21, BB24a,
 BMR^{+24a}, BBA23, DBBP23, FZD⁺²⁴, FLW⁺²³, HPAW21, HPP23, LWS⁺²³,
 LSF23, MOA24, MSM24, NAZ⁺²¹, RGS⁺²¹, SHB⁺²⁰, Tan23, TW21b,
 TRB20b, WMM⁺²⁴, WNS⁺²¹, WSK⁺²², XFGS24, YNMR24, ZHM⁺²⁴,
 Gal22, OLNG21]. **computationally** [AGJ⁺²³, BKS24a, RDZ⁺²⁰].
computations
 [CLVV22, CDD22, CGR21, DNG⁺²⁰, MMM20, RDR⁺²⁰, RHLTG⁺²², Tor20].
compute [Ham20b, KMM21, LBM⁺²³, MSH22, MFB23, MONW21, PAM24,
 RVRT22, SFBG20]. **computed** [WKJB23]. **Computer** [AGK⁺²³, Jia20,
 PBK21, SCT21, CZB⁺²³, Dry21, EOR21, MPZB⁺²⁴, NAZ⁺²², OYC24].
computers [EVFRHR23]. **Computing**
 [DEV20, TGBM22, TAE⁺²¹, CR20, CZS⁺²¹, CCC20, CGV⁺²², EBNS22,
 GAS⁺²³, GSV23, HYL⁺²², HTL⁺²², HXS20, HHVB21, HA23, Hid21, Hua24,
 KIK20, KPL⁺²¹, LGBJ20, LJS21, SMO^{+20a}, SLB⁺²³, SCF20, TBAR21,
 Ume22, WXY20, WXL⁺²¹, WICA22, Xie23, YS22, YJLW21, dMMLOS20].
concentrated [PLSB22]. **concentrations** [TQGE23]. **concurrent**
 [AS24, ZWC⁺²⁰]. **condensate** [BKR22, Jia20, KRG21, RVM⁺²¹].
condensates [MBA21, RPG⁺²⁰, SKDH24]. **condensed**
 [Jab22b, Jab24, Sch21, Tan23]. **condition**
 [CdBmAS⁺²¹, MMP20, NL23a, RZH22]. **conditions** [CMS22, FMHH24,
 GVV22, HMM22, MD20a, MVF20, STA20, SP20, WXY20, XZLX20, Yan21a].
conduction [Bel24, MM22]. **conductivity**
 [AS24, FO20, HYL⁺²², KMG⁺²⁰, LDGN24, MMC⁺²¹, MPN⁺²¹, WLCF21].
confidence [CTPS22]. **configuration** [AAMY23, GF21, LWS⁺²³, PRR23].
configurational [BRAC23]. **configurationally** [GFH23].
configurationally-complex [GFH23]. **configurations**
 [CW22, IUJ21, LDGN24, MMM23, sXBkB⁺²²]. **confined** [WGS⁺²²].
confinement [CW22, LLH21a, TKC⁺²¹, XSL⁺²², ZLL⁺²⁴]. **conformal**
 [Bzo21, HHT22, OKBM23]. **conical** [SPTPR21]. **conjugate** [AUEO24].
connecting [SZ24]. **Conservation**
 [MM23, Yev21, HWAA22, LY24, OCR⁺²², RC23]. **Conservative**
 [FMHH24, CCW20, DTC20, Gon22, TCSA21, TCY23, WKR23, YZ20b].
conserved [CZY20, Nog21b, PYT⁺²⁴, ZWP⁺²²]. **conserving**
 [BC21, BTK24, FN21, PMK⁺²³, Sij23, SWB⁺²³, TIG⁺²⁴]. **considerations**
 [CHA21]. **Consistent** [vRCM21, BN20, BN23, FH22, KM22, Kut20].
consistently [YWTK23]. **constant** [FCTFR20]. **constants**
 [CT23, LLS⁺²¹, LLZ⁺²², LEL⁺²², NL23b, PB23]. **constitutive**
 [LLY⁺²², MEC⁺²⁴]. **Constrained** [GHK20, KWK⁺²¹, LVMGF⁺²³, DR21].
constraining [TRN⁺²⁴]. **constraints** [AAHJ20, KM22]. **constructing**
 [RBWD⁺²⁴, Xav22, ZYL⁺²³]. **Construction**

[HTS⁺21, Kor23, NNMJ22, SKS24, Ols23]. **Contact** [MBCC23].
Contact-based [MBCC23]. **Contacts** [Gul20, MBCC23]. **content** [May21].
context [EVMP20]. **continental** [Org22]. **continuation**
[FBMD20, FMBD22, Hua23, KH23, KM22]. **continuity** [AIZ23, FN21].
continuous [LS22, MKHT20, SNG20]. **continuous-time**
[MKHT20, SNG20]. **Continuum**
[SSB⁺23, GDS⁺21, STRF⁺20, TAB⁺22, TCSD24, VV21, ZWZ⁺22].
Contraction [Dju20, YK21b]. **Control**
[AAA⁺20, BB21, Cas24, JM24, MOV21, RHW⁺21, RBWD⁺24, RRM⁺23].
Controlling [BKB⁺21]. **CONUNDRum** [GM20]. **convection**
[HA21, RSD20, SRT⁺20, XDF20]. **convective** [KKPC23]. **convergence**
[DTGE21]. **convergent** [WLF⁺23]. **conversion**
[ACKB23, PPK22, ZTR⁺22]. **Converter** [ACKB23]. **convex**
[LHG⁺20, Yan24a]. **convolutional** [TAGC22a]. **CoolFOAM** [FCSP20].
cooling [EBNS22]. **CoolProp** [FCSP20]. **Cooper** [PTD20]. **coordinate**
[BR20a, CLS⁺22a, MSU⁺21, WH23]. **coordinate-scaled** [BR20a].
coordinate-space [CLS⁺22a]. **coordinates**
[ALB22, BJS⁺23, CZB⁺23, SSB⁺23]. **copolymer** [CZY20, LM21a].
copolymer/homopolymer [LM21a]. **core**
[CXCZ23, CL21, KMM21, OGL⁺21, SDL⁺21]. **corepresentations** [LZYY23].
cores [WWM⁺22]. **corona** [DBR24]. **coronaChargingFoam** [YFL22].
corrected [KKM⁺20, SA23]. **correction** [CS22a, MD20a]. **corrections**
[BKG⁺23, KM20, KMS20b, WLCF21]. **correlated**
[AMK24, BS23, HAM⁺20a, SP23]. **correlation** [Bzo21]. **corresponding**
[CGV⁺22]. **Corrigendum**
[AAT⁺20, Ano20c, MKPW22, MSHP20, Och23a, ZYX22]. **cortex**
[dMMLoS20]. **COSE** [GLW⁺23]. **cosmic**
[Mau20, MNS⁺24, SBG23, VPPQ21]. **cosmic-ray** [Mau20]. **cosmological**
[Bar22a, VPPQ21]. **cosmologies** [AAHJ20, Kar23b]. **cosmology** [CFPS23].
Cost [RL21]. **Cost-efficient** [RL21]. **Coulomb**
[AB21, CXCZ23, RZ23, SSB⁺23, TRN⁺24, TNL⁺22]. **counting**
[GvdBdGN24]. **COUP** [KKM⁺20]. **Coupled**
[KR23, ASU⁺21, BKRG22, BGW⁺22, CZY20, CGV⁺22, GTMB21, JLL⁺24,
JDD⁺21, KRG21, KMBP24, KSF⁺22, Koz23, KFPV21, KBSH20, LM21a,
MEC⁺24, MVAXP22, MBA21, OCC23, PBC⁺24, PPKK21, RVM⁺21,
STRF⁺20, TWR21, VGGP⁺21, Xav22, ZCWY20, Zho23]. **coupled-channel**
[CGV⁺22]. **coupled-cluster** [PPKK21]. **Coupling**
[MEDT⁺23, RSC⁺22, YLK⁺20, AG21, BRHT21, CCC20, Dau23, Gai20,
GF21, GOCSS⁺23, HTL⁺22, JMOC21, LLC⁺23, LACL24, PDD24, SHRK22,
TLC⁺21, XLL⁺22, YD20, Gai20]. **couplings** [HLM22]. **covariation** [HL21].
CP [LEE⁺21a]. **CP3d** [GWA⁺23]. **CPC** [SHB⁺20]. **CPL** [STRF⁺20]. **CPU**
[DMS⁺22, Dür23, GB22, HG22, SBG23]. **CPUs** [CZTF23]. **Crank** [LNB23].
creation [WAN⁺22]. **criterion** [MHÅ21]. **critical** [GO23, ZYG21].
criticality [PAZ⁺22]. **Cross** [SJY18, SJY20, AS22, AYB24, BFMA⁺24,

DS20, Jab24, OSK⁺²¹, PYT⁺²⁴, SY20, SLLA22, ST23b, WLL22].
Cross-platform [SJY18, SJY20, OSK⁺²¹]. **cross-section** [WLL22].
cross-sections [AYB24]. **crossings** [GSV23]. **crosslinking** [ZBS⁺²³].
Crystal [GK21, LS23, Dan24, EGLK20, FPSZ21, Kor23, PRR23, RZ23, TCY23, ZHS⁺²⁰, dSOZ22, CZA⁺²³]. **crystalline**
[GBR23, MPSK21, YLH⁺²⁰, vTDGCR21]. **CRYSTALpytools** [CZA⁺²³].
crystals [MSH22, SPF21, TRB^{+20a}, WZZS21, ZYL⁺²³]. **CSEM** [Yan23].
CSL [XSM22]. **CSPlib** [DIKSN24]. **cubic** [Ilt21]. **CUDA**
[BKP22, BLM⁺²², DS22, JRG21, JS24, NS20, STA20, SKEZ24, WKJB23, XHY⁺²⁴, YW21]. **CUDA-Aware** [DS22]. **CUDA-based** [SKEZ24]. **cuFFT**
[HT24]. **cumulative** [GST21]. **CUR** [LMHUR23]. **current**
[EBBB22, FN21, SWB⁺²³, VTB⁺²¹]. **currents** [VPS23]. **Curvature**
[KWK⁺²¹]. **curve** [ZLV23]. **curved** [PMS20b, YXX⁺²¹]. **curves** [DZZ21].
curvilinear [ALB22, MSM24, PD23]. **custom** [Kan23]. **customizable**
[Mar22]. **cutoff** [Mar22]. **cycle** [VTB⁺²¹]. **cyclic** [LF20]. **Cyclically**
[CGR21]. **cyclotron** [DFP⁺²⁰, FYM⁺²²]. **cylindrical** [Flo24, LEE^{+21a}].

D [YYZ⁺²², ALB22, ATC⁺²³, BKP22, BRAC23, BGW⁺²², CAC⁺²², CZS⁺²¹, CCW20, Dau23, DFG⁺²³, DRZ⁺²¹, DBH⁺²², GTE21, GPM⁺²¹, GUW⁺²², GSL⁺²³, GOS⁺²², IGL⁺²⁴, JLW24, JDD⁺²¹, KNJ⁺²³, LEE^{+21a}, LLZ⁺²³, LS22, LLH^{+21b}, MMP20, NUK⁺²², NSY⁺²³, NT24, PMS^{+20a}, PGYF21, RMCC22, RBFB20, Sch21, SP20, SLDF⁺²¹, SCL22, TCSA21, WJB21, WWB22, WKBW21, WZC21, WT22, WWDM20, XFH⁺²², XLG⁺²³, YNV22, YHY⁺²¹, YKY⁺²², ZGW20, ZL20]. **D-2V** [TCSA21]. **D-3V**
[DFG⁺²³]. **D-VIRTUS** [MMP20]. **D-Wave** [WWDM20]. **D/3** [Dau23].
damping [CFW⁺²³]. **DAMQT** [KLM⁺²²]. **Darcy** [Yan21b]. **Dark**
[BHK⁺²¹, EMM⁺²³, LSZ23, May21, PAM24, BCD⁺²¹, GUAD22].
DarkNews [AZH⁺²⁴]. **DarkPACK** [PAM24]. **Data**
[AAA⁺²⁰, CFW⁺²³, HSO⁺²², KvH21, MMYU22, MYM⁺²², SMC⁺²², ACD⁺²², AES21, ANU21, BYL⁺²¹, BS23, CGG21, DR21, DFP⁺²⁰, Dry21, GvdBdGN24, Hua23, JKKN23, KvdW20, KIK20, KFHR24, LM22, LSF23, OSE⁺²⁰, PP21, RDH⁺²⁰, RdSH⁺²⁴, SPTPR21, SJ20, SRML20, SLIC24, SCF20, SHRK22, TRN⁺²⁴, TC24, WBF⁺²⁴, WKJB23, WYZZ23, XLG⁺²³].
Data-analysis [MYM⁺²², CGG21]. **Data-driven**
[CFW⁺²³, HSO⁺²², SMC⁺²², LSF23, WYZZ23]. **data-structures** [SJ20].
datasets [BBV23]. **day** [BR20a]. **DCA** [HAM^{+20a}]. **De-noising**
[TAGC22a]. **Debugging** [SAN24]. **Debye** [DRZ⁺²¹, XFH⁺²²]. **Debye-type**
[XFH⁺²²]. **decay**
[AG23, ABWZ23, ABH⁺²³, Hor23b, LWhK⁺²⁰, LF20, Sat21, TSJ⁺²¹, VFS23].
decays [DDM20, KKM⁺²⁰, KM20, KMS20b]. **December**
[Ano20d, Ano21c, Ano22c, Ano23c]. **decomposition** [GHL23, KFHR24, LGDF20, LAD⁺²¹, MRD23, OCR⁺²², TGS⁺²⁰, VPPQ21, YYY22].
decompositions [CKT21]. **decoupled** [LM21a, Yan21b]. **decoupling**
[ZWZ⁺²²]. **Deep** [GUAD22, MM22, TSAK21, TGIM23, YYZ⁺²², ZGW20,

BKG⁺²³, KKY²⁴, MLZ⁺²³, ZWC⁺²⁰, LWC⁺²¹]. **DeepBHCP** [MM22]. **DeepFlame** [MLZ⁺²³]. **DeePKS** [CZWE23]. **DeePKS-kit** [CZWE23]. **defect** [Ham20b, TQGE23]. **defects** [AM21a, DIAA21, TR22, vTDGCR21]. **definition** [YZL⁺²³]. **deformation** [AE23, SN23]. **deformed** [MSN⁺²², VvBTH20]. **degeneracy** [TRN⁺²⁴]. **degree** [LMWW24, WJB21]. **delta** [Bul21, CJD⁺²⁰, MM23]. **delta-** [CJD⁺²⁰]. **Deneb** [YKK23b]. **denoising** [HGS20]. **dense** [BCTS22, BRHT21, KHR⁺²³, KKL21, MHK24, zYMK⁺²¹]. **densities** [WKBW21]. **Density** [MVK⁺²⁴, QJ21, BGW⁺²², BW23, CPL21, CZWE23, DMS⁺²², DH20, FASD20, GM20, GBR23, GBD⁺²², HFP21, IJVJ21, IUJ21, JRS⁺²¹, Kar23a, KLM⁺²², LYC20, LR22, MHK24, MDP22, MDR⁺²⁰, SLE⁺²², SXW⁺²⁰, SLZY21, SHW⁺²¹, TMC22, VCF22, YT23, ZLLM23]. **density-functional** [GBD⁺²², SXW⁺²⁰, SLZY21, TMC22]. **density-in** [Kar23a]. **density-in/dependent** [Kar23a]. **DensityTool** [LR22]. **dependence** [BAB⁺²⁰, YZL⁺²³]. **dependencies** [AS24]. **Dependent** [BBB20, MVK⁺²⁴, BAB⁺²⁰, Dio23, GSLS20, GBD⁺²², HSB⁺²⁴, Hor23a, JRS⁺²¹, KPST21, Kar23a, KKPC23, KM23, LY22, NLS24, SGS23, Scr22a, WJB21, WWB22, WHB21, WBvdH20, XSL⁺²², YSMBA23]. **depletion** [BKB⁺²¹]. **Deploying** [LSF23]. **deposition** [HTL⁺²², KPR⁺²⁴, SWB⁺²³, TLC⁺²¹]. **derivation** [NYN⁺²¹, PSW23, PSW23]. **derivatives** [GOST23, Rod22]. **derived** [CMJC21, RG21]. **DescMAP** [ZLV23]. **described** [MBCC23]. **description** [GSV23]. **descriptor** [ZLV23]. **descriptors** [HJM⁺²⁰]. **design** [AGMFGE23, AS24, CZX⁺²¹, HSB⁺²⁴, KL23b, MMCC⁺²², MOA24, RdSH⁺²⁴, VB22a, XLG⁺²³, YWM23]. **detailed** [SPF21]. **detect** [KIK20]. **detection** [EGKH24, JKST22, KRJ23, LMQ⁺²³]. **detector** [CGG21, NRG22, NRG24, TAGC22b]. **detectors** [ABGD⁺²⁰, KTF22]. **determinants** [AJDS⁺²¹]. **determination** [HSO⁺²², LN23, ZLV23]. **determine** [DEdM24, HHMH⁺²², MDP22]. **deterministic** [CHA21]. **detonation** [PD23, SWTC23]. **detonationFoam** [SWTC23]. **detrended** [GHKW22]. **develop** [WAET22]. **developed** [JMOC21, LHWX24, MG22]. **Developing** [WRM⁺²⁴, CZWE23]. **Development** [BKP22, COJ⁺²², CKC⁺²¹, CLEPF22, DBV⁺²⁴, JKSY22, KMN21, LBM⁺²³, DARJ23, VLS22, ZMC23, ZDSS23, ZYG21, DBBP23, DSW⁺²³, HWL⁺²³, OIA⁺²⁰]. **developments** [GAA⁺²⁰]. **devices** [BMI23, BM22, HSB⁺²⁴, KK20, KNJ⁺²³, RMCC22, RdSH⁺²⁴, ZHM⁺²⁴]. **dfemtoolz** [MVF20]. **DFMSPH22** [GCK21]. **DFT** [DMS⁺²², GOCSS⁺²³, LG23, MSG⁺²¹, MDR⁺²⁰, RCP⁺²⁴, VMRFC23]. **DFT-FE** [DMS⁺²², MDR⁺²⁰]. **DG** [PMK⁺²³, YKK23b]. **diagnostic** [PSMRS⁺²³]. **diagnostics** [JSS⁺²⁴]. **diagonalization** [ACS⁺²², KF23, LQ21, LQGL21]. **diagonally** [KBSL22]. **diagram** [BMI23]. **diagrammatic** [MSY⁺²¹]. **diagrams** [ATRD21, Gro23, MSH22, MRD23, RUV20, WSRO24]. **diamond-difference** [CL21]. **DIAPHANE** [RDC⁺²⁰]. **Diatomic** [RV21, YZ20b, BGHC23].

Diatomic-py [BGHC23]. **diblock** [CZY20]. **dichotomy** [TCY⁺21, YX24]. **dichroism** [NG21]. **Dicke** [VCHH23]. **dielectric** [MHÁ21]. **difference** [CL21, Cos22, CESD⁺23, GMZ⁺20, KBSH20, SP20, WDMZ24, Zho23, dSOZ22]. **difference/spectral** [GMZ⁺20]. **difference/spectral-Galerkin** [GMZ⁺20]. **differences** [BGH22, GBH20]. **different** [KFC⁺20]. **differentiable** [BBA23, MFS⁺22, XLG⁺23]. **Differential** [ASW20, ASU⁺21, DEdM24, Jab24, LWkK⁺20, Lee21b]. **differentiation** [MMM20, RCP⁺24, PCS⁺23]. **DiffExp** [Hid21]. **diffraction** [HMYH22, HSO⁺22, KYH24]. **diffractive** [ST23b]. **diffuse** [LY24, YWTK23]. **diffuse-interface** [YWTK23]. **diffusion** [BB24b, DRM20, GBS⁺20, GHL⁺22, GMZ⁺20, HSMR⁺24, KBB21, KHR⁺23, LN23, PGYF21, SRML20, SS21b, TWW22, WSK⁺22, XDF20, YFL22, ZYX21, ZYX22]. **diffusive** [MP21]. **dihedral** [MBCC23]. **dilepton** [BKBL22]. **dimension** [GSL20, ZJ23, dMMLOS20]. **Dimensional** [RBV⁺22, AHP21, BV21, BM22, BKO20, BR20b, BSK⁺22, CLS⁺22a, CL21, Dan24, DS20, DH20, DKRSR22, GMZ⁺20, HT24, Hid21, KLD⁺21, KM23, KMD⁺21, LW24, LMQ⁺23, LHTP⁺24, MD20b, MSH22, MFB23, MOMO24, MYM⁺22, MCP23, NA20, OCE⁺23, PMK⁺23, PD23, SRT⁺20, SMC⁺22, SXYD24, TTM22, UÁEPGBP24, WZPW20, ZDG⁺21, Zho23]. **dimensionless** [RDZ⁺20]. **dimensions** [EPM23, JRS⁺21, SRE⁺24]. **dimuonium** [UAS22]. **dimuonium-matter** [UAS22]. **dipolar** [YSMBA23]. **dipole** [Arn20, KR23]. **Dirac** [FKK⁺21, GOST23, Kut24, LY22, MN21, SJP21a]. **Direct** [IJVJ21, RV21, BMSP21, GUAD22, GWA⁺23, JKST22, NUK⁺22, WWZ⁺23, YFL22, YCCW23, ZPZH20]. **direct-addressing** [YCCW23]. **direct-drive** [NUK⁺22]. **Direct-Fit** [RV21]. **direction** [ALB22]. **directional** [BA24]. **DIRQFAM** [BN20, BN23]. **discharges** [DBR24, MMP20]. **disconnected** [KDHL23, LMWW24, WSRO24]. **discontinuity** [CAC⁺22]. **Discontinuous** [CJ21, DGM20, SVSC20, SDBS24, FRN⁺23, FMHH24, HWL⁺23, JKSY22, KSJ⁺22, KMD⁺21, MPQ⁺22, QWZ⁺21, SMA24, SS21b, YXX⁺21, ZJS⁺20]. **Discovering** [TC24]. **Discrete** [LSW⁺20, MYMK⁺21, BSK⁺22, CFBRE24, GLB⁺21, HTL⁺22, JGJ20, KCS22, KMR22, LHC20, LHG24, ONH⁺20, QCZ23, SRC21, YW21, Zha20, ZWP⁺22, ZZ21a]. **discrete-event** [SRC21]. **discrete-time** [JGJ20]. **discretisation** [SBZ23, WJB21]. **discretization** [DMS⁺22, EOR21, GBS⁺20, LC24, PMK⁺23, SVSC20, SFS22, TKS22]. **disjoining** [NLS24]. **disk** [RDR⁺20]. **Disks** [DG20]. **dislocation** [YZ20a]. **disordered** [MBCC23, TRB20b]. **dispatch** [SAC⁺21]. **dispersion** [KR23, LLL24, MSH22, Pöt20, PPK22, RVRT22]. **dispersive** [DNG⁺20, DRZ⁺21, XFH⁺22]. **displacement** [GLSH21, XSM22]. **disruption** [HEF21]. **dissipation** [KFC⁺20, Kul20]. **Dissipative** [DVC⁺22, DHE⁺24, JCM20, CGSO20, DC22, DH20, UD24, XBL⁺20, BKB⁺21]. **distance** [Zha20]. **distances** [TGBM22]. **distinguishability** [OV23]. **distorted** [OYC24, PGYF21]. **distorted-wave** [OYC24]. **Distributed** [NRG22, GMZ⁺20, KvH21, KFHR24, RSC⁺22, TPS⁺24, zYMK⁺21].

distributed-order [GMZ⁺20]. **Distribution** [BJS⁺23, CCMR21, GST21, PK24, SXW⁺20, YZ20a]. **distributions** [BKS24a, BFL⁺22, BFMA⁺24, KPST21, Pos22, SJ21, SMC⁺22, Xie23]. **Disturbance** [LJH⁺23, HJGL22]. **Divergence** [LGDF20, MOV21, YZW21]. **Divergence-free** [LGDF20, YZW21]. **divertor** [YHH⁺20]. **divided** [BGH22, GBH20]. **DIZET** [AGK⁺23]. **DLBFoam** [TPK⁺21]. **DMFT** [MSY⁺21]. **DMFTwDFT** [SHW⁺21]. **dmscatter** [GJJN23]. **DNS** [LBS⁺23]. **DoFun** [HCP20]. **Domain** [SDBS24, AS24, DGM20, DRZ⁺21, HPAW21, KD23, MRD23, PPK22, RRC⁺24, TTM22, YZW21, YYY22, Yan23]. **Domain-specific** [SDBS24]. **domains** [CZS⁺21, NR21]. **DoNOF** [PM21]. **donor** [BMR⁺24a]. **donor/acceptor** [BMR⁺24a]. **Doppler** [GRCT20]. **dot** [GLB⁺21]. **dots** [PC21]. **Double** [VB22b, ABF⁺23a, GCK21, Kar23a, TNL⁺22]. **double-folded** [Kar23a]. **Doublet** [KM20, KMS20b]. **down** [Gon22]. **down-sampling** [Gon22]. **DP** [ZWC⁺20]. **DP-GEN** [ZWC⁺20]. **DPD** [LBM⁺23]. **Dragon** [MHK24]. **DRalgo** [EST23]. **Drawing** [Gro23]. **DREAM** [HEF21]. **Drell** [AFJ⁺23]. **Drift** [ZSqXY21, TAGC22a]. **drive** [NUK⁺22]. **driven** [AE23, BM20, BGW⁺22, CFW⁺23, HSO⁺22, LKK23, LLH21a, LSF23, PMSHG23, PLT⁺23, SMC⁺22, SBP20, WYZZ23, ZYG21]. **Driver** [BMREC21]. **driving** [FDPT23]. **DRM** [YKK23b]. **DRM-DG** [YKK23b]. **droplet** [AE23]. **Droplets** [PLSB22]. **Drude** [LW24]. **DSc** [Dry21]. **DScribe** [HJM⁺20]. **DSMC** [ZWZ⁺22]. **DSQSS** [MYMK⁺21]. **dual** [CJZ21, WVK21]. **duct** [OSE⁺20]. **Duffing** [BDdM20]. **Duguet** [CCK23]. **dump** [Ham20b]. **dune** [BDR⁺20]. **during** [Dan24, MRG22, ZDG⁺21]. **dust** [LLT⁺23]. **dye** [NI22]. **Dynamic** [MLT⁺21, MRD23, BBB20, DRM20, KGT22, MRH⁺23, PCS⁺20, SXW⁺20, TPK⁺21, YD20, ZHZG23]. **dynamical** [CE22, DWD⁺24, GLSH21, HTL⁺22, JGJ20, MBH21, MEH21, TC24, SHW⁺21]. **dynamically** [RCB⁺20]. **Dynamics** [AMA⁺20, DVC⁺22, DHE⁺24, JCM20, MKPW21, MKPW22, YD20, vRCM21, AFB⁺24a, BB24a, BMR⁺24a, BBA23, BCTS22, CLY22, CGSO20, CLS22b, CZTF23, CHY⁺24, CDT22, CL22b, DTGE21, DC22, Dio23, DH20, FFTV23, GVV22, Ham20b, HyLF23, KF23, KMM21, LLT⁺23, LLQ⁺23, LN23, LSF23, LVMGF⁺23, LJS21, MHP23, MHK24, MBCC23, MRG22, NRKA22, NS20, NI22, OEI⁺22, OAP⁺24, PCS⁺20, Sch21, SKC21, SC22, SSD⁺22, SJY18, SJY20, UD24, VXT⁺23, VCHH23, WNS⁺21, WSK⁺22, Wor20, WS23, XBL⁺20, XQ21, XLKX21, ZHI23, ZJS⁺20, ZPL⁺21, BKB⁺21, LWC⁺21, OLNG21]. **dynamos** [TPCT22]. **DynDen** [DTGE21]. **dyons** [MCP23].

EAST [BYWW23]. **easy** [MD20b, WKBW21]. **easy-to-implement** [MD20b]. **easy-to-use** [WKBW21]. **EasyScan_HEP** [SZ24]. **ECCPA** [SLLA22]. **ECOGEN** [SPLD20]. **ecology** [OCE⁺23]. **ECRad** [DFP⁺20]. **Eddy** [CJ21, VPS23, VTB⁺21, YCC22]. **eddy-current** [VTB⁺21]. **edge** [GUW⁺22, RSHS24, SDXY23, SBZ23, WPMK21, WRM⁺24, YWM23].

EDIpack [ACS⁺22]. **Editorial**

[Sco21, Ano20e, Ano20f, Ano20g, Ano20h, Ano20i, Ano20j, Ano20k, Ano20l, Ano20m, Ano20n, Ano20o, Ano20p, Ano21o, Ano21d, Ano21e, Ano21f, Ano21g, Ano21h, Ano21i, Ano21j, Ano21k, Ano21l, Ano21m, Ano21n, Ano22d, Ano22e, Ano22f, Ano22g, Ano22h, Ano22i, Ano22j, Ano22k, Ano22l, Ano22m, Ano22n, Ano22o, Ano23d, Ano23e, Ano23f, Ano23g, Ano23h, Ano23i, Ano23j, Ano23k, Ano23l, Ano23m, Ano23n, Ano23o, Ano24b, Ano24c, Ano24d, Ano24e, Ano24f]. **education** [DBBP23]. **effect** [MD20a, YYC⁺23]. **Effective** [BBB20, DPR⁺20, DRR⁺24, HLCD20, DZZ21, EST23, GTE21, NYN⁺21, PC21, RTRB21]. **Effects** [LLT⁺23, LLQ⁺23, ASA⁺22, BC21, CW22, DBM⁺24, GVV22, JGJ20, VGGP⁺21]. **Efficacious** [GLSH21]. **Efficacy** [MLD⁺22]. **Efficiency** [KBSL22, TPCT22, HTL⁺22, KRJ23, PP21, XHY⁺24]. **Efficient** [AJDS⁺21, BP21, BW23, CE22, CZY20, DFG⁺23, EPM23, GHKW22, HG22, JDD⁺21, KPST21, KCS22, KBB21, LG21a, LM21a, MK22, Mar22, PPK22, SRC21, SLZY21, SNG20, SFC20, TAY⁺24, UÁEPGBP24, WGS⁺22, YWTK23, Zeb22, ZCWY20, ZX23, AG21, AGJ⁺23, BND22, CDD22, DEdM24, DBdFdSR21, EGLK20, GRCT20, GHL⁺22, GP22, JZW⁺22, JPJ⁺23, KYH24, LBRW22, LLH21a, LAD⁺21, LXY⁺21, LLZ⁺23, LLL24, LLZ⁺22, LVMGF⁺23, MD21, MVF20, MRN20, PSMRS⁺23, PPKK21, PWD22, RZH22, RZ23, RL21, STA20, SFKC22, SS21b, SWB⁺23, WYT23, WS23, YSX⁺20, ZPL⁺24, ZHM21, dVAR⁺24]. **efficiently** [YZW21]. **EFIT** [BYWW23]. **EFT** [CFL⁺22]. **eigenfunctions** [BV21]. **Eigenmode** [DNG⁺20]. **eigenmodes** [FBA⁺20]. **eigenproblems** [zYMK⁺21]. **eigensolver** [FKK⁺21, zYMK⁺21]. **eigensolvers** [AAMY23]. **eigenspectrum** [LG21a]. **eigenvalue** [DNG⁺20, LLH⁺21b, MG22, WHSG24, ZJ23]. **eigenvalues** [BV21, IMB⁺22]. **Eilmer** [GDJG23]. **Einstein** [BKR22, KRG21, MBA21, RVM⁺21, SKDH24]. **ElasT** [LVB22]. **ELAStic** [FLK⁺20, KC21, BFD22, BDA⁺20, CT23, Jab22b, Jab24, LLS⁺21, LLZ⁺22, LEL⁺22, LLY⁺22, MD20a, NAZ⁺22, ONH⁺20, PB23, RZWW23, SJP21a, SLLA22, SLDF⁺21, YNV22, YNV23, ZZZ⁺20, NAZ⁺21]. **Elastic3rd** [LLS⁺21]. **elasticity** [GPM⁺21, WGGC22, XZLX20]. **ElasTool** [LEL⁺22]. **elastoplastic** [BR20b]. **ElecTra** [GLN23]. **electric** [AE23, WLCF21, YI22]. **Electrical** [HMM22]. **electrified** [Di 22]. **electro** [YC20]. **electro-magnetic** [YC20]. **electrochemical** [ZHM⁺24]. **electrode** [PK24]. **electrodynamics** [FH22, GPN20]. **electrolyzers** [ZHM⁺24]. **electromagnetic** [BVV22, BKO20, DRZ⁺21, LOT⁺20, LKP21, OGL⁺21, SWB⁺23, WAYL23, YR21, ZLS⁺22]. **electromagnetics** [WMM⁺24]. **electroMicroTransport** [GDK21]. **electromigrative** [GDK21]. **Electron** [ABGD⁺20, LACL24, Ada22, ASA⁺22, AJDS⁺21, BCF⁺24, CW22, DRM20, DFP⁺20, DVC⁺22, FMCB⁺20, FYM⁺22, GBR23, GSV23, HAM⁺20a, HMYH22, HM24, HA23, HEF21, HBM⁺24, HLzY⁺20, Jab24, LKP24, MMP⁺24, MFB23, MGC⁺23, MAMK21, MZD⁺20, Nie22a, Pos22, SFBG20,

SLE⁺22, SLL22, SLZY21, SDL⁺21, SP23, ST23b, TCcN23, TGIM23, WLF⁺23, YZW22, ZPL⁺21]. **electron-atom** [Pos22]. **electron-impact** [FMCB⁺20]. **electron-ion** [ST23b]. **electron-phonon** [MMP⁺24, ZPL⁺21]. **electron-positron** [HA23]. **electron/positron** [HBM⁺24]. **Electronic** [BLN⁺21, BSS⁺23, BGR23, DSQ23, DKRSR22, FASD20, GWPW21, GLN23, HY23, HTH⁺20, HLzY⁺20, JPJ⁺23, MBG⁺20, NVCS23, PAL⁺20, PPKK21, PTD20, RL21, TCSD24, YHY⁺21, zYCD⁺20, ZHM21]. **electronically** [CMJC21]. **electronically-derived** [CMJC21]. **electrons** [CXCZ23, DTC20, Dan24, Jab22b, Jab24, MBG⁺20, SJP21a, SLK23, ZYX21, ZYX22]. **electrophoretic** [KPR⁺24]. **electrophysiology** [VSM⁺22]. **electrostatic** [ATC⁺23, CGR21, KG21, LSW⁺20, YWX⁺23, ZYX21, ZYX22]. **electrostatics** [FAL20, FAL21, LYX22, SOH⁺23]. **Electroweak** [KM20, AJW⁺21, BMM21, KMS20b]. **Element** [Sha21, ALB22, BM20, BCHE21, ĆPF⁺24, DMS⁺22, EPM23, Flo24, GPM⁺21, IGL⁺24, JMOC21, KSDH23, KBB21, KM23, KD23, LLC⁺23, LHC20, MVF20, MDR⁺20, MCB⁺20, OCR⁺22, ONH⁺20, OKBM23, QCZ23, RSD20, SRT⁺20, SKDH24, SLC⁺22, TCD20, TTM22, WZZS21, WWZ⁺23, XDF20, XLG⁺23, YT23, YWM23, ZZ21a, VB22a]. **element-based** [LLC⁺23]. **element/multipole** [YT23]. **Elementary** [PDD24]. **Elements** [GSL24, AIZ23, BGH22, DBV⁺24, LZ21, RZ23, TIG⁺24, TWW22]. **ellipses** [CTPS22]. **elliptic** [BSK⁺22, BDR⁺20, WW21]. **ELMAG** [BKO20]. **ELPA2** [zYMK⁺21]. **elsepa** [SJP21a]. **ELSI** [zYCD⁺20]. **Embedded** [AAG⁺24, TW21a]. **embedding** [AMK24, QJ21]. **EMcLAW** [MOV21]. **emerging** [DRB22]. **Empathes** [BFD22]. **empirical** [CWG⁺21, KVSC21, MMCC⁺22, NA20]. **employing** [VMRFC23]. **empowered** [MLZ⁺23]. **emulsions** [GUAD22, PLSB22]. **enable** [XQ21]. **enabled** [GSL24]. **Enabling** [OBGA24, TDR⁺20]. **encapsulated** [Nie23]. **encoded** [ZPL⁺24]. **encoders** [TAGC22a]. **Encoding** [GPN20]. **end** [MFS⁺22]. **end-to-end** [MFS⁺22]. **ended** [YMCF23]. **energetic** [JSS⁺24, LJQ⁺22]. **energetic-particle** [JSS⁺24]. **energetics** [TQGE23]. **Energies** [AJW⁺21, GTMB21, GBJ⁺21, Pos22]. **Energies-Updates** [AJW⁺21]. **Energy** [BMR⁺23, BTK24, PMK⁺23, AGJ⁺23, ABB⁺22, BRAC23, BC21, BCCM⁺24, CZWE23, CGV⁺22, Dan24, FXZT21, FTG23, Gar21, GZW20, GFD⁺24, HMYH22, HTL⁺22, HSO⁺22, IJVJ21, IUJ21, JS22, KSF⁺22, Kut20, LM21a, LW24, MD20a, MBTB21, MSHP02, MSHP20, NRK⁺21, NA20, NYN⁺21, NBB⁺21, PRR23, Pöt20, RG21, RC23, RV20, RV21, SRC21, SLL22, SMC⁺22, SVJ⁺24, Sij23, TV24, TLC⁺21, UO20, VZ20, VvBTH20, WZZ⁺23, Xav22, XZLX20, YWTK23, Yan24a, ZWC⁺20, ZCWY20, ZDLS21]. **energy-angle** [SMC⁺22]. **Energy-conserving** [PMK⁺23, BC21]. **energy-momentum** [Pöt20]. **energy-preserving** [LW24]. **energy-stable** [KSF⁺22, YWTK23, Yan24a]. **energy-strain** [XZLX20]. **Engine** [GBJ⁺21, GLW⁺23, RCB⁺20]. **Engineering** [ANU21, FYW23]. **enhanced** [BBC⁺24, CWG⁺21, MLT⁺21, RdPS24, XLKX21]. **enhancement** [TTM22].

Enhancing [KHKL24, MCB⁺20, SLL22]. **ensemble** [SHRK22, TNL⁺22]. **ensembles** [GLB⁺21, VCHH23, WGS⁺22]. **Ensign** [CE22]. **entangled** [CL22a, ECS23]. **Entanglement** [HPP23]. **entanglements** [KDHL23]. **entropy** [MMCC⁺22]. **entry** [GSL⁺23]. **environment** [GAA⁺20, OIA⁺20, OSE⁺20, Scr22a]. **environments** [ART⁺20]. **EPI** [MMP⁺24]. **epidemic** [CF21]. **EPW** [LACL24]. **eQE** [MSG⁺21]. **EQMO** [ZHM21]. **equal** [Efr23]. **Equation** [GMPG⁺21, LS21b, LY22, OSE⁺20, RS20, ZHM21, AIZ23, ATC⁺23, BB24b, BAB⁺20, Bul21, BBA⁺20, CS22a, CKT21, CCW20, CWJ21, DSSW22, ENK24, FN21, GSLS20, GLPG⁺23, GMZ⁺20, HXS20, KMR22, KPL⁺21, KFPV21, LZ21, LHC20, OEI⁺22, OKBM23, PPR⁺21, SVSC20, SGS23, SP20, SCL22, TTM22, TS23, WHB21, WXY20, WZC21, WKR23, XSL⁺22, YSMB23, YNMR24, ZAW⁺21, dVAR⁺24, ZXT22, ZXT23]. **equations** [ASU⁺21, AGH21, BV21, BKRG22, BCGT24, CR20, CLEPF23, CLEP24, DGM20, DH22, DEdM24, GTA21, GHL⁺22, HPY21, HWL⁺23, HCP20, JM24, JZW⁺22, JRS⁺21, KRG21, KBB21, KSF⁺22, KMD⁺21, Koz23, KRE22, LW_hK⁺20, LGDF20, LW24, MSN⁺22, MOV21, PMK⁺23, PSW23, PG23, Pöt20, QWZ⁺21, RJ21, TSL21, VFS23, WGG20, WYZZ23, XDF20, YZW21, YXX⁺21, YKY⁺22, ZCP⁺22, ZX23, ZZZ⁺20]. **equilibria** [BJS⁺23]. **Equilibrium** [MMP20, BYWW23, Dau23, DVC⁺22, HPAW21, LBM⁺23, LZ21, MEC⁺24, SYFT23, WJB21, WWB22, WHB21, YKYK23, SGM⁺20]. **ERNIE** [AG23]. **erosion** [YGSW21]. **Erratum** [FAL21, SJY20, YNV23]. **error** [JKKN23, MZ22, MNS⁺24, SSH⁺23, THH21]. **errors** [RVRT22]. **ERYA** [MMC⁺22]. **ERYA-Bulk** [MMC⁺22]. **ERYA-Profiling** [MMC⁺22]. **escape** [NA20]. **ESPRESSO** [HHT⁺24, MONW21]. **estimate** [EBBB22]. **estimating** [GO23, GBJ⁺21, SKC21, WV22, YMCF23]. **Estimation** [VEHCM21, AM21b, LWV20, MPN⁺21, NG21]. **Euler** [GWA⁺23, HWL⁺23, YXX⁺21]. **Eulerian** [LMHL20, MSM24, ODR⁺22, Sij23, TKC⁺21, THH21, WWM⁺22]. **EUTERPE** [KBH⁺24]. **evaluate** [FLW⁺23]. **Evaluating** [MYKC23, NVC20, BA24, BTW20, Bzo21]. **Evaluation** [ABD⁺23, GOST23, ABF⁺23a, Arn20, ATRD21, BC20, HAA⁺20, NSU20, PBC⁺24, SRML20, SSV22, TR22, WW21, XZLX20]. **evaporation** [AYB24, HyLF23, OSE⁺20]. **event** [AAA⁺21, AZH⁺24, ACD⁺22, AG23, BIK⁺21, BKG⁺23, For22, GPD⁺22, HQF⁺20, JWW⁺23, LTMK21, SRC21, SJP⁺21b, Sjö20, SBP20, VEHCM21, YLK21, ZDLS21]. **event-chain** [HQF⁺20, LTMK21]. **event-driven** [SBP20]. **event-time-frame** [GPD⁺22]. **events** [DRSZ23, Hor23b, SKC21]. **EvGen** [BKG⁺23]. **Evolution** [OSLC21, ZDG⁺21, BCGT24, GF23, HFP21, MZ22, VGGP⁺21, ZZ21b]. **Evolutionary** [DR21, KMG⁺20, HTS⁺21, WBK⁺24]. **evolving** [LM22]. **EW** [SY20]. **ewN2HDECAY** [KM20]. **Exact** [GF23, ACS⁺22, Bak23, BR20a, BBA⁺20, GQ22, KW23, LG21a, LQ21, LQGL21, LHTP⁺24, RC23, Tor20]. **exactness** [FFLR20]. **ExaHyPE** [RCB⁺20]. **example** [YYZ⁺22, ZGW20]. **examples** [CLVV22, SOH⁺23]. **exascale** [DRB22, DFU20, ZDSS23].

exascale-oriented [DFU20]. **exchange** [BR20a, XLKX21]. **excitations** [LL23, UÁEPGBP24]. **excited** [NRK⁺21, QJ21, RHW⁺21, RBWD⁺24]. **excitonic** [DSQ23]. **excitons** [PC21]. **exclusive** [For22, ST23b]. **expanded** [RSPJ21]. **Expanding** [LTT⁺24, Ber24, FFTV23]. **Expansion** [HJJ⁺22, LHZ20, SNG20, YT23, Zho23]. **expansions** [ABD⁺23, FMBD22, Hid21]. **experiment** [SCF20, YLK21]. **experimental** [BC20, MYM⁺22]. **Experiments** [KMN21, AGJ⁺23, BDP⁺21, BCD⁺21, DG20, ZDLS21]. **Explicit** [QWZ⁺21, Bel24, CJ21, DS22, PMK⁺23, YZW21]. **Exploiting** [RZ23]. **Exploration** [HPRS23, MMCC⁺22]. **explorer** [AES21, LSZ23]. **Exploring** [AS24, DG20]. **explosion** [TRN⁺24]. **exponential** [CCK23, EOR21, GDB10, GBH20, IJVJ21, QWZ⁺21, YNMR24]. **express** [ZGZW23]. **expression** [ENK24]. **extendable** [KVSC21]. **Extended** [BCTS22, BJJ⁺24, BMM21, IJVJ21, TSL21]. **Extending** [KL23a]. **Extensible** [ZGZW23, GAGO21]. **extension** [DSSW22, HYL⁺22, KMS20a, LHG⁺20, LLR23, MCMS24, RMCC22, SVSC20, SDXY23]. **extensions** [CK23, MSY⁺21]. **extensive** [CNB⁺23]. **exterior** [BSK⁺22, KMR22]. **external** [LG21b, YWX⁺23]. **Extraction** [PK24, LS21a]. **extragalactic** [BKO20]. **extrapolation** [KW23, YLL⁺22]. **extreme** [CGSO20, GH21, HXS20, LYZL24]. **extreme-scale** [HXS20]. **EZ** [SWB⁺23].

FabSim3 [GAS⁺23]. **facilitate** [LSF23]. **Facilitating** [FDPT23, WXL⁺21]. **FACT** [RPG⁺20]. **factor** [CCK23, GDB10, SZNW23]. **factorised** [HHT22]. **factorization** [CCC20]. **factors** [MKPW21, MKPW22]. **false** [Sat21]. **far** [DVC⁺22, WJB21, WHB21]. **far-from-equilibrium** [WHB21]. **far-off-equilibrium** [DVC⁺22]. **far-out-of-equilibrium** [WJB21]. **FaSE** [TW21a]. **FaSE-GLoBES** [TW21a]. **Fast** [CLY22, DCZ23, HAA⁺20, Ilt21, IUJ21, KF23, WZC21, WOP⁺20, BV21, BDGS21, CGR21, CB20, ENK24, FBA⁺20, GJ24, GJJN23, GB20, KKLZ23a, KIK20, KT23, KYH24, MSH22, OCE⁺23, STA20, SSD⁺22, TCD20, TTM22, TPK⁺21, TLC⁺21, TBAR21, WVK21, Xie23, XOTI22]. **fast-update** [XOTI22]. **faster** [TB20]. **FaVAD** [vTDGCR21]. **FCC** [TCY23]. **FDTD** [KGN⁺21, LKP21, LW24]. **FE** [DMS⁺22, MDR⁺20, UO20]. **FE-CLIP** [UO20]. **feature** [ABK⁺22]. **feature-rich** [ABK⁺22]. **features** [LTT⁺24, SLK23, SMO20b]. **February** [Ano20q, Ano21p, Ano22p, Ano23p, Ano24g]. **FEL** [ASA⁺22]. **FELINE** [SLC⁺22]. **FEM** [EVMP20, XLG⁺23]. **FEMPAR** [BM20]. **FEMS** [Sha21]. **femto** [Koz23]. **femto-** [Koz23]. **Fermi** [GOST23, MN21, YNMR24]. **fermion** [DDM20]. **fermionic** [XOTI22]. **fermions** [Dür23]. **ferroelectric** [KNJ⁺23, ZWC22]. **ferromagnetic** [LL23]. **ferromagnetic/non** [LL23]. **ferromagnetic/non-magnetic** [LL23]. **FerroX** [KNJ⁺23]. **few** [WLL22]. **few-group** [WLL22]. **FeynCalc** [SMO20b]. **FeynGame** [HKL20]. **FeynGKZ** [ABBD23]. **FeynGrav** [Lat23]. **FeynHiggs** [BHH⁺20]. **Feynman**

[ABBD23, ABD⁺23, BMT23, CS22b, DPR⁺20, DRR⁺24, FR20, Gro23, Hid21, LM23, Nog21a, Nog21b, NVC20, SC20, SSV22, WW21, WBM⁺24]. **FeynMaster** [FR20]. **FeynMG** [MCMS24]. **FeynRules** [MCMS24]. **FFT** [Cos22]. **FFT-accelerated** [Cos22]. **FFTW** [DSSW22]. **fibres** [AAB⁺21]. **fibrogenesis** [ZKZ⁺24]. **fictitious** [Yan23]. **fidelity** [BMSP21, CKC⁺21, KSC⁺23, MCB⁺20, RdPS24, XLL⁺22]. **Field** [DPR⁺20, DRR⁺24, SHW⁺21, AIZ23, AE23, BN20, BN23, Che23, CZY20, CCL⁺22, DH22, DKRSR22, EGLK20, EST23, FDPT23, FFTV23, Flo24, FFLR20, GK21, GJA21, GBS⁺20, GNP20, KKLZ23a, KKLZ23b, KLD⁺21, KLMU21, KNJ⁺23, KW23, LGBJ20, LMX⁺21, LCL⁺23, LHTP⁺24, MM23, MT23, NRG22, NRG24, TCY23, WMA⁺22, WYT23, Yan21a, YK21a, YYY22, ZCWY20, Zha20, ZDG⁺21]. **field-aligned** [GBS⁺20]. **field-split** [YYY22]. **fields** [BKO20, CMS22, GH21, MYKC23, MPQ⁺22, RHW⁺21, RBWD⁺24, YI22, YYZ⁺22, ZKZ⁺24]. **FIESTA5** [SSV22]. **filaments** [HMM22]. **file** [LG21a]. **film** [RMR⁺22]. **filter** [BDGS21, CJ21, WHSG24]. **filtering** [LYC20, PP21]. **final** [ABWZ23, DDM20, SAS20]. **find** [MRT⁺22, NKP20]. **FindBounce** [GNP20]. **finder** [EGKH24]. **finding** [Bar22a, BBB⁺21]. **Fine** [WWZ⁺23]. **Fine-grained** [WWZ⁺23]. **Fingerprinting** [SLL⁺21]. **Finite** [BC21, GSL24, KSDH23, Sha21, SLC⁺22, AIZ23, ALB22, ADF⁺22, BM20, BCHE21, BN20, BN23, ČPF⁺24, Che23, Cos22, CESD⁺23, DMS⁺22, Dau23, DS22, DVC⁺22, EPM23, FZD⁺24, GJA21, GCWZ20, GMZ⁺20, IGL⁺24, IJVJ21, JMOC21, KBB21, KLMU21, KM23, KFC⁺20, KBSh20, LLC⁺23, MVF20, MSM24, MDR⁺20, OCR⁺22, OKBM23, PGYF21, RSD20, SRT⁺20, SKDH24, SP20, SKC21, VGGP⁺21, WZZS21, WWZ⁺23, WDMZ24, WH23, XDF20, XZLX20, XLKX21, XLG⁺23, YT23, YI22, YWM23, Zho23, ZLS⁺22, dSOZ22, PLSB22, VB22a]. **finite-difference** [Cos22, SP20]. **finite-element** [DMS⁺22, IGL⁺24, MDR⁺20, RSD20, SRT⁺20]. **finite-order** [ZLS⁺22]. **FINite-size** [PLSB22]. **finite-sized** [Che23]. **finite-temperature** [GJA21]. **finite-time** [SKC21, XLKX21]. **finite-volume** [ADF⁺22, Dau23, FZD⁺24, VGGP⁺21]. **FIPI** [GB20]. **FIRE** [PGS⁺24]. **FIRE6** [SC20]. **FireFly** [KL20, KKL21]. **First** [Dan24, Och23a, Och23b, YI22, AM21a, BCTS22, DEdM24, KvdW20, KD23, LLS⁺21, LLZ⁺22, MBTB21, MPN⁺21, PB23, SDL⁺21, TAE⁺21, YJLW21]. **first-** [KD23]. **First-principles** [Dan24, Och23a, Och23b, YI22, AM21a, BCTS22, KvdW20, LLS⁺21, LLZ⁺22, MPN⁺21, PB23, SDL⁺21, YJLW21]. **Fission** [TSJ⁺21, NRKA22]. **Fit** [RV21]. **FITEVT** [Hor23b]. **fits** [BS23]. **fitting** [ADdM20, BDGS21, CAC⁺22, KHKL24, RV20, RV21]. **five** [SMGK21]. **five-particle** [SMGK21]. **fix** [DACA⁺22]. **Fixed** [MBCC23, Ano20c, BCD⁺21, KK16, VB22b]. **fixed-point** [Ano20c, KK16]. **FLAME** [ART⁺20]. **flat** [SJ21]. **Flavour** [TW21a]. **FLEKS** [CTZW23]. **flexible** [ABK⁺22, CTZW23, MSM24, MDP22, SXYD24, TAB⁺22, WKBW21, WOP⁺20, WS23, YTC⁺20, YMCF23]. **flexible-structure** [MSM24]. **FlexibleDecay** [ABH⁺23]. **flight** [WBF⁺24]. **floating** [SSH⁺23].

flow [AGH21, BSC⁺21, CJZ21, CL22a, CNS22, FRN⁺23, GDJG23, GZW20, KBSL22, KT23, KRE22, KBSH20, LM23, MLZ⁺23, NJSY22, OSK⁺21, QCZ23, SFS22, TPK⁺21, TGS⁺20, WA21, XBL⁺20, YCC22, Yan21b, YYY22, YCCW23, YKK23b, YZ20b, ZMC23, ZHZG23]. **flows** [AHP21, BBV⁺22, Bak23, BL21, BMSP21, BBA23, BKS24a, CAWK22, CS22a, Cos22, CESD⁺23, Dau23, DAC⁺23, DS22, DBV⁺24, FA20b, FJ22, FTZ⁺23, FMBD22, GWA⁺23, GB22, GP22, HRG⁺22, HJGL22, KFHR24, Kul20, LMHL20, LJH⁺23, LMQ⁺23, LHG24, MEC⁺24, MD21, OCC23, RCW⁺20, SPLD20, SXYD24, SFC20, TO21, VPPQ21, WT22, WICA22, YWTK23]. **fluctuation** [CT23, GHKW22]. **fluctuations** [RPG⁺20]. **Fluid** [AMA⁺20, OLN21, AHP21, AFB⁺24a, AGH21, BB24a, BBA23, CJZ21, CFW⁺23, DIK⁺23, DACA⁺22, DH20, EPM23, FA20a, FA20b, GB20, HEF21, JYL⁺23, JMOC21, KKPC23, KP23, KM23, LBS⁺23, LY24, LSF23, LHG⁺20, LH22, LJS21, MBH21, MEH21, MSM24, NJSY22, DARJ23, PG23, SFC20, eSdSBST21, VSM⁺22, WICA22, WNS⁺21, WSK⁺22, WYT23, YSX⁺20, ZSqXY21]. **fluid-kinetic** [HEF21]. **fluid-structure** [LBS⁺23, YSX⁺20]. **fluid-structure-electrophysiology** [VSM⁺22]. **fluid-structure-interaction** [JMOC21]. **fluid-surfactant** [WYT23]. **fluids** [FBMD20, KSDH23, LBM⁺23, BBA23]. **FLUNED** [DARJ23]. **fluorescence** [NI22]. **FluTAS** [CESD⁺23]. **Flux** [DBV⁺24, AWW22, CS22a, MBTB21, MSU⁺21, RCW⁺20, SKS24, TWW22, VÁFG⁺22, VLS22, WH23, BBV⁺22]. **flux-coordinate** [MSU⁺21]. **fly** [BMREC21]. **fmas** [MD22]. **foaming** [ASC⁺21]. **foci** [CMS22]. **Fock** [CLS⁺22a, MSN⁺22, RSM21, AYI⁺24, WGG20, Zeb22]. **focused** [CMS22]. **Fokker** [TCSA21, TKC⁺21, ZLL⁺24, DTC20, KSJ⁺22]. **folded** [Kar23a]. **folding** [GCK21, ZJS⁺20]. **following** [WA21]. **force** [BGW⁺22, BB21, EGKH24, HGS20, LCL⁺23, LM20, MYKC23, XSM22, YKSH20, ZKZ⁺24, EGKH24]. **Force-chain** [EGKH24]. **force-chains** [EGKH24]. **forced** [BDdM20]. **forcefields** [KMG⁺20]. **Forcer** [RUV20]. **forces** [CMJC21, DACA⁺22, FDPT23, KT23, NVC20, WT22, YI22]. **forcing** [JRG21, ZPZH20, Zha20]. **Forecasting** [CLS22b]. **form** [HKY⁺21, KSJ⁺22, LHC20, RUV20]. **formalism** [BJL⁺24, CT23, Jab22a, SP23]. **Formalization** [CHA21]. **format** [GPD⁺22]. **formation** [AMP⁺21, JLW24, KLD⁺21, RDZ⁺20]. **formed** [MRG22]. **formula** [SA23, WLCF21]. **formulation** [ALB22, AGH21, TWR21]. **formulations** [PBC⁺24, VTB⁺21]. **Förster** [BMR⁺23]. **Fortnet** [vdHKB⁺23]. **FORTTRAN** [BKRG22, Hor23b, KRG21, RPG⁺20, NSU20, XHY⁺24, YSMBA23]. **FORTRESS** [BKRG22, KRG21]. **forward** [BCT20, MD22, SL22]. **four** [DDM20, HYL⁺22, RUV20]. **four-fermion** [DDM20]. **four-loop** [RUV20]. **four-phonon** [HYL⁺22]. **Fourier** [ALB22, CCW20, FBMD20, FMBD22, KPST21, KL23b, LAD⁺21, YW21]. **FourPhonon** [HYL⁺22]. **Fourth** [PG23, KBB21, PB23]. **Fourth-order** [PG23, KBB21, PB23]. **FPGA** [KMN21, KHR⁺23, KK20]. **FPGA-based**

[KHR⁺23]. **FPGAs** [WZK⁺24]. **Fractal** [GSM⁺22, Gro22, dMMLOS20, GOS⁺22]. **fraction** [CCL⁺22, GHL23]. **fractional** [CZS⁺21, CLEPF22, CLEP24, GMZ⁺20, HPY21, JLL⁺24, MD20b]. **fractional-step** [HPY21]. **fractionation** [LWhK⁺20]. **fractioning** [BBH⁺24]. **fractions** [HvM22, TGBM22]. **fracture** [ZL20]. **fragment** [TSJ⁺21]. **fragmentation** [KL22, Roh22]. **frame** [GPD⁺22, PP21]. **framework** [ADC⁺21, ASU⁺21, ACD⁺22, ABF⁺23b, BMREC21, BC20, BN20, BN23, CE22, CGG21, CK23, Dau23, FZD⁺24, GAGO21, GOCSS⁺23, GKT⁺24, HAM⁺20a, HWL⁺23, HEF21, JYL⁺23, JSS⁺24, JKKN23, KWK⁺21, KTF22, KSF⁺22, KVSC21, KSC⁺23, KGT22, KNJ⁺23, LBS⁺23, LYZL24, MEC⁺24, MW21, MVF20, MYM⁺22, NL23a, NT24, RSC⁺22, RGS⁺21, STRF⁺20, UMA21, WXW⁺21, WICA22, WAK22, WAET22, XFH⁺22, YHY⁺21, ZSqXY21, ZHZG23, OBK⁺20]. **frameworks** [DAA⁺24, VÁFG⁺22]. **FRAPCON** [YLK⁺20]. **Free** [VvBTH20, AMP⁺21, BRAC23, BMR⁺23, BW23, ELSV24, GM20, HPAW21, LGDF20, LMQ⁺23, LMMP23, MS24, MM23, MHK24, OKBM23, RG21, UO20, WZZ⁺23, WA21, YZW21, Zho23, ZHZG23]. **free-boundary** [HPAW21]. **free-surface** [LMQ⁺23, WA21]. **frequency** [DNG⁺20, KM23, KD23, MMP20]. **frequency-dispersive** [DNG⁺20]. **FRET** [BMR⁺23]. **FRET-Calc** [BMR⁺23]. **freud** [RDH⁺20]. **friendly** [AMP⁺21, BMR⁺24b, HGS20, MMCC⁺22, WXL⁺21]. **fringe** [MRG22]. **frontal** [KMG⁺20]. **frontier** [LNP⁺24]. **FSEI** [VSM⁺22]. **FSEI-GPU** [VSM⁺22]. **fuel** [KJL⁺23, NUK⁺22, YLK⁺20, ZHM⁺24]. **fuels** [LLL24]. **Fugaku** [IKM⁺23]. **Full** [GLN23, PMS⁺20a, DRZ⁺21, EGLK20, FBA⁺20, FYM⁺22, Ken24, LKP24, MG22, MSU⁺21, SDXY23, Tan23, WMA⁺22, YHH⁺20, YCC22]. **full-**[Ken24, MSU⁺21]. **Full-band** [GLN23]. **full-field** [EGLK20, WMA⁺22]. **full-orbit** [FBA⁺20, YHH⁺20]. **full-potential** [Tan23]. **full-scale** [YCC22]. **Fully** [BCD⁺21, MAMK21, MSM24, BBA23, DTC20, KSF⁺22, LHC20, Yan21b, YLH⁺20]. **fully-coupled** [KSF⁺22]. **fully-decoupled** [Yan21b]. **fully-differentiable** [BBA23]. **FUMILIM** [SAS20, SAN24]. **function** [AUEO24, AJDS⁺21, ABF⁺23a, Ano20c, BND22, BDdM20, Bul21, CZ21, CDT22, CLEP24, GCWZ20, GBH20, HY23, HFP21, Jab20, LWS⁺23, LM22, PPKK21, SWZ23]. **Functional** [HCP20, MVK⁺24, WBK⁺24, BW23, CZWE23, DMS⁺22, FASD20, GM20, GBR23, GBD⁺22, IJVJ21, LYC20, MHK24, MDR⁺20, PSW23, PM21, SXW⁺20, SLZY21, SHW⁺21, TMC22, VCF22, YT23]. **Functional-style** [WBK⁺24]. **functionalities** [WMA⁺22]. **functionality** [BBC⁺24, BC22]. **functionalization** [AUO⁺22]. **functionals** [MSG⁺21]. **functions** [Bag22, BA24, BGH22, Ber24, Bzo21, CCMR21, CCK23, CGV⁺22, GDB10, GST21, HLzY⁺20, HG22, IKM⁺24, KK16, KHKL24, KL20, KKL21, Kor23, MSHP02, MSHP20, RBV⁺22, SLE⁺22, SLZG20, UZB22, Xav22]. **fundamentally** [SWZ23]. **fusion**

[AYB24, DFP⁺²⁰, GBS⁺²⁰, HSB⁺²⁴, LLH21a, NUK⁺²², NSY⁺²³, RdSH⁺²⁴, SMA24, TKC⁺²¹, TBAR21, TWW22, Xie23, YGSW21, ZDSS23, ZLL⁺²⁴].
fusion-evaporation [AYB24]. **future** [Sjö20].

G0W0 [RDV⁺²⁰]. **gains** [TPCT22]. **galactic** [Mau20]. **Galerkin** [CJ21, DGM20, FRN⁺²³, FMHH24, GMZ⁺²⁰, HWL⁺²³, JKSY22, KSJ⁺²², KMD⁺²¹, LS22, QWZ⁺²¹, SVSC20, SMA24, SS21b, SDBS24, YXX⁺²¹].
gamma [Fis24, GST21]. **GammaCHI** [GST21]. **Gamow** [MAJ20].
Garfield [DBM⁺²⁴]. **gas** [FJ22, FTZ⁺²³, LSW⁺²⁰, LHG24, MEC⁺²⁴, MGC⁺²³, RCB21, WZZ⁺²³, YZ20b, ZLLM23, ZWP⁺²²]. **gaseous** [ABGD⁺²⁰, SWTC23]. **gases** [ZWZ⁺²²]. **gauge** [FFTV23, GHK20].
gauge-Higgs [GHK20]. **Gaunt** [ÖAÖ24]. **Gauss'** [OCR⁺²²]. **Gaussian** [RBV⁺²², BTG22, HG22, PPK22]. **GDML** [ACKB23]. **Geant** [EMM⁺²³].
GEANT4 [LGK⁺²², MK22, BCD⁺²¹, KTF22, Kan23]. **Gebremariam** [CCK23]. **Geliosphere** [SBG23]. **GEM** [AFB^{+24b}]. **GEN** [ZWC⁺²⁰].
Genarris [TRB^{+20a}]. **GenASiS** [BC22, CB23]. **gene** [ENK24, CJD⁺²⁰, MSU⁺²¹]. **GENE-X** [MSU⁺²¹]. **GenEOS** [ENK24].
General [VFS23, XZLX20, ASPDL⁺²¹, ABF^{+23b}, BFD22, BAB⁺²⁰, CFPS23, DCRF23, DC22, GK21, HT20, Kol22, LQ21, PWD22, RBV⁺²², RV20, RV21, RVRT22, RMFB23, Wor20, XDF20, ZWC22, CLEPF22, DBdFdSR21].
general-purpose [ASPDL⁺²¹, ABF^{+23b}, DCRF23, HT20, ZWC22].
Generalisation [BCGT24]. **generalised** [NSU20, TGS⁺²⁰].
Generalization [LQGL21, BDdM20]. **Generalized** [GCWZ20, HvM22, MCP23, RZH22, TCY23, GOST23, YWX⁺²³, SOH⁺²³].
generate [KWK⁺²¹, MMM23]. **Generating** [May21, TIG⁺²⁴, CB20, WBM⁺²⁴]. **Generation** [AYB24, ATRD21, CKGW22, FPSZ21, GKT⁺²⁴, Ilt21, KKY24, LJS21, NL23b, Nog21a, PMSHG23, WBF⁺²⁴, WLL22, WGS⁺²², ZWC⁺²⁰, ZLV23].
generator [AAA⁺²¹, AZH⁺²⁴, Ada22, AG23, BCT20, BKG⁺²³, DPR⁺²⁰, DRR⁺²⁴, For22, GUW⁺²², JWW⁺²³, Kol23, KMS20a, LHZ20, Sjö20, TRB^{+20a}].
generators [BIK⁺²¹, LAC21, LWS⁺²³]. **generic** [For22, HyLF23, ZDLS21].
genetic [CZX⁺²¹, LFZ20, YNMR24, ZZ21b]. **GenEvaPa** [HyLF23].
GENIE [AAG⁺²⁰]. **GENIE-based** [AAG⁺²⁰]. **Gennes** [SKDH24].
geofluids [ENK24]. **Geometric** [TS23, LH22, PBC⁺²⁴, XQ21]. **geometrical** [PMS^{+20a}]. **geometries** [CW22, HMR22, LHG⁺²⁰, OBGA24, SN23, SFKC22, SBP20, WAN⁺²², WGS⁺²²]. **geometry** [ASPDL⁺²¹, CZS⁺²¹, JKSY22, KRC⁺²⁰, KBH⁺²⁴, LEE^{+21a}, LOT⁺²⁰, MG22, MSH22, SDBS24, TRN⁺²⁴, WZZS21]. **get** [SLZY21]. **GETaLM** [Ada22]. **GetDP** [DNG⁺²⁰]. **GFCCLib** [PPKK21]. **GGA** [MSG⁺²¹]. **ghost** [JGJ20, SXYD24]. **Ginzburg** [Hor23a]. **GITR** [YGSW21]. **given** [GO23].
GKZ [ABBD23]. **glass** [JRG21]. **glasses** [BPMMP24, VvBTH20]. **Glauber** [SW23]. **GLE** [Gro23]. **Global** [FA21, LW24, PLT⁺²³, ADdM20, KBH⁺²⁴,

LOT⁺20, OGL⁺21, RV20, RV21, YGSW21]. **Globally** [KP23]. **GLOBES** [TW21a, TW21a]. **Godunov** [MOV21]. **goodness** [ADdM20]. **Gordon** [GMZ⁺20]. **Gordon-type** [GMZ⁺20]. **governed** [JM24]. **governing** [WYZZ23]. **GPEs** [JLL⁺24]. **GPGPUs** [CGSO20]. **GPI-Space** [BBH⁺24]. **GPIC** [XHY⁺24]. **GPR** [RBV⁺22]. **GPU** [AGH21, AUEO24, CCMR21, CCC20, CFLR24, CESD⁺23, DMS⁺22, DAC⁺23, DS22, DFG⁺23, DRZ⁺21, DFU20, DHE⁺24, EGLK20, EPM23, ECS23, GSL24, GB22, HPY21, HL21, HTL⁺22, HLzY⁺20, HG22, JS24, JMOC21, JDD⁺21, KKLZ23a, KL23b, KMR22, KT23, KNJ⁺23, LG23, LJQ⁺22, LHG24, LMHUR23, MWJL23, MVK⁺24, MHK24, NT24, Nie20, Nie22a, NRH24, OCK⁺24, RZH22, RBWD⁺24, RCW⁺20, SYFT23, SXYD24, SCL22, SBG23, TLC⁺21, TMH⁺23, VSM⁺22, WWM⁺22, WWJ⁺22, WVK21, XBL⁺20, XHY⁺24, XLG⁺23, YCCW23, Yan23, YKK⁺23a, YLK21, zYMK⁺21, ZMC23, ZPZH20, ZCP⁺22, ZHI23, ZPL⁺24]. **GPU-accelerated** [CFLR24, CESD⁺23, ECS23, JMOC21, KL23b, KMR22, KT23, KNJ⁺23, NT24, RZH22, RCW⁺20, SCL22, WWM⁺22, WWJ⁺22, WVK21, XBL⁺20, XLG⁺23, YLK21, ZHI23]. **GPU-acceleration** [JS24, zYMK⁺21]. **GPU-enabled** [GSL24]. **GPU-offload** [SYFT23]. **GPU-parallelized** [KKLZ23a]. **GPUs** [CZ21, Ein20, HL21, MKHT20, NS20, ODR⁺22, RBFB20, WA21, WS20, WZPW20, ZW20, ZDSS23]. **Grad** [HSB⁺24, AIZ23, ELSV24, LZ21, SVSC20]. **Grad-Shafranov** [HSB⁺24, LZ21]. **Gradient** [RdPS24, AUEO24, CL22a, GZW20, KL23b, WMSG24]. **gradient-based** [KL23b]. **Gradient-enhanced** [RdPS24]. **grading** [TIG⁺24]. **grain** [XSM22]. **grained** [AHM⁺23, MBCC23, OCK⁺24, WWZ⁺23, ZKZ⁺24]. **graining** [NA20]. **granular** [EGKH24, RMR⁺22, TLC⁺21, ZZ21a]. **graph** [GF23, MMV⁺24, Nog21a, RSC⁺22]. **graph-based** [MMV⁺24]. **graph-theoretical** [RSC⁺22]. **graphene** [CSBF23]. **GraphIAST** [DvHSDS22]. **graphic** [DC22, AGH21]. **graphical** [DvHSDS22, YR21]. **GRASP2018** [SLE⁺22]. **Gravitational** [CFPS23]. **gravity** [MCMS24]. **gray** [FXQS21, JLW24]. **Green** [Ano20c, AUEO24, CDT22, GCWZ20, KK16, PPKK21]. **Greenwood** [Bul21]. **grid** [BC21, BW23, DFG⁺23, Flo24, GUW⁺22, MSM24, MSHP02, MSHP20, TCSA21]. **grid-based** [MSM24]. **Gridap** [VB22a]. **grids** [CAC⁺22, DGM20, LH22, LJS21, PLF20, SRML20, SS21b, TS23, VB22b, YXX⁺21]. **GROMACS** [RG21]. **Gross** [FJ22, BKRG22, CR20, CCW20, CWJ21, GTA21, KRG21, KMR22, KPL⁺21, YSMBA23]. **ground** [CR20, GO23, KW23]. **ground-state** [KW23]. **Group** [LS21b, NL23b, WV22, CFBRE24, CPL21, DH22, Fon21, LCZ⁺21, Sij23, WLL22, YS22]. **GroupMath** [Fon21]. **groups** [LZYY23]. **growth** [Dan24, WNS⁺21]. **gSeaGen** [AAG⁺20]. **GSGPEs** [CR20]. **GSGPEs-v1.1** [CR20]. **GSvit** [KGN⁺21]. **GUI** [Soz21]. **GUI4dft** [Soz21]. **guide** [JDS20, KSIL22, WAYL23]. **guided** [ZHS⁺20]. **guiding** [BKP22, BJS⁺23, MHP23, XQ21]. **Gutzwiller** [PWD22]. **gVOF** [LH22].

GW [HM24, Kut20, SLZG20, LACL24]. **Gyrofluid** [Ken24]. **Gyrokinetic** [OGL⁺21, YYC⁺23, CJD⁺20, JKSY22, KSJ⁺22, KBH⁺24, LOT⁺20, MSU⁺21, YC20, ZDSS23, ZYX21, ZYX22].

H [AYI⁺24, KKM⁺20]. **H-COUP** [KKM⁺20]. **H-wave** [AYI⁺24]. **hacks** [Fis24]. **HADOKEN** [CW22]. **Hadron** [BDK⁺23, For22, SZY⁺22]. **hadronic** [KOT23]. **half** [TMH⁺23]. **Hall** [TWR21, VGGP⁺21]. **Hall-MHD** [TWR21]. **Halo** [BHK⁺21, FBA⁺20]. **Hamiltonian** [GQ22, KF23, LHZ20, NKP20]. **Hamiltonians** [LQ21]. **handle** [KL23a]. **handyG** [NSU20]. **hard** [SWZ23]. **Hardware** [WZK⁺24, CCM20, EOR21, MRH⁺23, TAY⁺24, WWM⁺22]. **hardware-accelerated** [MRH⁺23]. **harmonic** [MSN⁺22, PMSHG23, SMGK21, dMMLoS20]. **harmonic-oscillator** [SMGK21]. **harmonically** [MPSK21]. **harmonics** [DEV20, Efr20, Efr21a]. **Hartree** [MSN⁺22, RSM21, AYI⁺24, CLS⁺22a, WGG20]. **HDMR** [RBV⁺22]. **HEAPS** [MMCC⁺22]. **heart** [VSM⁺22]. **heat** [AS24, Bel24, CJZ21, KKPC23, MBTB21, MMYU22, MM22, SKS24, XLL⁺22]. **heat-transport** [MBTB21]. **heaters** [SS22]. **heavy** [AZH⁺24, BKBL22, MBH21, MEH21, NUK⁺22, OEI⁺22, TIG⁺24, YZL⁺23, YZW22]. **heavy-ion** [MBH21, MEH21, YZL⁺23]. **heavy-quarkonium** [OEI⁺22]. **HEJ** [ABB⁺22]. **Hele** [Yan21b]. **heliosphere** [MNS⁺24, SBG23]. **helium** [FN23, LHTP⁺24, VB22b]. **helium-like** [FN23, LHTP⁺24]. **Hellmann** [NVC20]. **Helmholtz** [LGDF20, OCR⁺22, OKBM23, VPPQ21]. **help** [SWZ23]. **HemeLB** [ZMC23]. **HEP** [KMN21, PP21, WZK⁺24]. **HEP-Frame** [PP21]. **HepLib** [FXZT21, FTG23]. **HEPLike** [BC20]. **HepMC3** [BIK⁺21]. **Hermes** [DKM⁺24]. **Hermes-3** [DKM⁺24]. **Hermite** [KMD⁺21, PMK⁺23]. **Hermite-discontinuous** [KMD⁺21]. **Hermitian** [FKK⁺21, zYMK⁺21, YT22]. **Heterogeneous** [GB22, MDDI21, Ryd20, BB24b, Hal21, LLZ⁺23, LDGN24, LJS21, RSC⁺22, SCF20, WWZ⁺23]. **heterostructures** [Che23]. **hfbtho** [MSN⁺22]. **Hfszeeman** [LGBJ20]. **Hibridon** [ADW⁺23]. **hidden** [GSV23, SCT21, WYZZ23]. **Hierarchical** [BKS22, LDGN24]. **Higgs** [KM20, KMS20b, BHH⁺20, BMM21, DDM20, GHK20, KKM⁺20, KMU⁺23, KM20, KMS20b]. **Higgs-boson** [BHH⁺20, DDM20]. **HiggsBounds** [BBH⁺23]. **HiggsSignals** [BBH⁺23]. **HiggsTools** [BBH⁺23]. **High** [AALK20, ABB⁺22, BPMMP24, BDR⁺20, ĆPF⁺24, HSA22, KPL⁺21, LMWW24, LMQ⁺23, NT24, RBV⁺22, RBFB20, XLL⁺22, AGJ⁺23, AFJ⁺23, BBV⁺22, ADF⁺22, BCCM⁺24, BL21, BTK24, BMSP21, BBA23, BCTS22, BLM⁺22, BSC⁺21, CZTF23, CKC⁺21, CKGW22, CWJ21, Dan24, DBV⁺24, DFU20, DS20, EGLK20, EVMP20, EPM23, FJ22, FXZT21, FTG23, FRN⁺23, GBS⁺20, GZW20, GB22, DHL⁺22, GKT⁺24, GAS⁺23, GFD⁺24, HMYH22, HA23, HWL⁺23, HSO⁺22, IUJ21, Jab20, KAB⁺21, KMN21, KSC⁺23, KGT22, LLZ⁺22, MMCC⁺22, MT23, MCB⁺20, NJSY22, Nie22a, NAZ⁺21, OCC23, OSK⁺21, PMSHG23, PCS⁺23, PFG22, QWZ⁺21, RDH⁺20, RdPS24, RCW⁺20, SRC21, SMC⁺22,

SSV22, SDBS24, TCY23, TV24, VLS22, WXY20, WXL⁺²¹, WGGC22, XHY⁺²⁴, YJLW21, YK21b, YKK23b, ZGZW23, ZDLS21, Zho23]. **high-**[AFJ⁺²³]. **High-accuracy** [LMQ⁺²³, GB22]. **High-degree** [LMWW24]. **high-dimensional** [DS20, SMC⁺²²]. **high-efficiency** [XHY⁺²⁴]. **high-efficient** [LLZ⁺²²]. **High-energy** [ABB⁺²², BCCM⁺²⁴, Dan24, HMYH22, HSO⁺²²]. **high-entropy** [MMCC⁺²²]. **High-fidelity** [XLL⁺²², BMSP21, CKC⁺²¹, KSC⁺²³, MCB⁺²⁰, RdPS24]. **high-intensity** [HA23, Nie22a]. **high-level** [ZGZW23]. **High-order** [ČPF⁺²⁴, BBV⁺²², ADF⁺²², BBA23, BSC⁺²¹, CWJ21, DBV⁺²⁴, DFU20, EVMP20, EPM23, FJ22, FRN⁺²³, GBS⁺²⁰, GZW20, GH^{L+22}, GKT⁺²⁴, HWL⁺²³, PMSHG23, PCS⁺²³, QWZ⁺²¹, RCW⁺²⁰, SDBS24, TCY23, VLS22, WXY20, YK21b, YKK23b, Zho23]. **High-performance** [AALK20, BPMMP24, BDR⁺²⁰, HSA22, KPL⁺²¹, BLM⁺²², CZTF23, MT23, OSK⁺²¹, SSV22, YKK23b]. **high-precision** [DS20, KAB⁺²¹, KGT22]. **high-pressure** [BTK24]. **high-resolution** [EGLK20]. **high-speed** [BL21, CKGW22, DBV⁺²⁴, OCC23]. **high-throughput** [NAZ⁺²¹, PFG22, WXL⁺²¹, WGGC22]. **Higher** [LLY⁺²², BA24, HTL⁺²², LLZ⁺²², SLL22, SP20, YS22]. **higher-energy** [SLL22]. **Higher-order** [LLY⁺²², LLZ⁺²², SP20]. **highly** [DRM20, LAD⁺²¹, LDGN24, OLNG21, PCS⁺²⁰, TWR21, WYT23, YSX⁺²⁰, ZPL⁺²⁴]. **highly-coupled** [TWR21]. **highly-efficient** [ZPL⁺²⁴]. **highly-scalable** [OLNG21]. **HighPT** [AFJ⁺²³]. **Hilbert** [SKM⁺²¹]. **Hilliard** [Yan21b, KSF⁺²², LM21a, LHC20]. **HiPACE** [DBH⁺²²]. **histogram** [Sit23]. **HL** [TPS⁺²⁴]. **HL-LHC** [TPS⁺²⁴]. **HLS** [WZK⁺²⁴]. **HODG** [HWL⁺²³]. **Hodge** [VPPQ21]. **HoloGen** [CKGW22]. **hologram** [CKGW22, MZD⁺²⁰]. **homogeneous** [LHTP⁺²⁴, YZHL22]. **homopolymer** [LM21a]. **HONPAS** [SXW⁺²⁰]. **HORSE3D** [FRN⁺²³]. **Householder** [dBBVA20]. **hp** [MCB⁺²⁰, TMC22]. **HPC** [ARLDG24, GTA21, OLNG21]. **hPIC** [SMC⁺²²]. **hPIC2** [MRH⁺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⁺²¹]. **hundred-billion-metal-atom** [CLZ⁺²¹]. **hunting** [JDS20]. **Hybrid** [AAB⁺²¹, AAMY23, CJ21, LJQ⁺²², OBL⁺²¹, YT23, ASC⁺²⁴, DMS⁺²², GB22, GHK20, GP22, HPAW21, LL23, MRH⁺²³, RCS21, SKYQ21, SXW⁺²⁰, TWR21, YW21, YD20, ZLS⁺²²]. **Hybridizable** [SVSC20]. **hydraulic** [ZL20]. **hydrocarbons** [MRG22]. **hydrodynamic** [CSBF23, DACA⁺²², KD23, SLC⁺²², WDMZ24]. **hydrodynamically** [CZY20]. **hydrodynamically-coupled** [CZY20]. **Hydrodynamics** [AMA⁺²⁰, AYWKL24, FRN21, KP23, LMQ⁺²³, LYZL24, ODR⁺²², RZH22, Sij23, ZCWY20, ZRZ⁺²¹, ZHZG23]. **hydrogen** [SCT21]. **hydrogenic** [FN23]. **hydrogeology** [Org22]. **hydrophilicity** [SD24]. **Hyper** [GSM⁺²², BA24, Gro22, GOS⁺²²]. **Hyper-Fractal** [GSM⁺²², Gro22, GOS⁺²²]. **hyper-radial** [BA24]. **Hyperbolic**

[TWW22, JKSY22, MD20b, PMS⁺20a]. **hyperfine** [BGHC23, LGBJ20].
hyperfine-induced [LGBJ20]. **hypergeometric**
 [ABF⁺23a, ABBD23, Ber24]. **hyperparameter** [TV24]. **HyperRAF**
 [BA24]. **hypersonic** [DFU20, GDJG23, Di 22, DP21]. **hyperspherical**
 [DEV20, Efr20, Efr21a]. **hyperthermal** [JS22].

IAST [DvHSdS22]. **ICSFoam** [OCC23]. **Ideal** [DvHSdS22]. **identical**
 [XSM22]. **Identification**
 [KSDH23, WPMK21, CZB⁺23, Ham20b, LNP⁺24, MRG22, TAGC22b].
identifying [PRR23, WYZZ23]. **II**
 [ARLDG24, ATRD21, BBB⁺21, BN23, CFPS23, NCF⁺23]. **III**
 [HLCD20, Nog21b]. **III-nitride** [HLCD20]. **IIM** [WT22]. **ill** [SWZ23].
ill-posedness [SWZ23]. **Image** [OBK⁺20, KLD⁺21, MCP23, OSK⁺21].
image-based [OSK⁺21]. **images** [GOS⁺22]. **imaginary** [KCS22]. **imaging**
 [ANU21, Yan24b]. **IMEX** [YWTK23]. **immersed**
 [BCHE21, TGBM22, YSX⁺20, ZPZH20, Zha20]. **immersed-boundary**
 [YSX⁺20]. **immersed-finite-element** [BCHE21]. **immersive** [TL20].
Impact [GAA⁺20, FMCB⁺20]. **IMPC** [ZYG21]. **IMPC-Burnup2.0**
 [ZYG21]. **IMPGYRO** [YHH⁺20]. **imple** [VMRFC23]. **implement** [MD20b].
Implementation [BN20, BN23, CJD⁺20, EML22, KDK23, KGT22, KM22,
 KAS24, LEE⁺21a, NG21, NBB⁺21, OV23, YCCW23, YD20, ZRH21,
 CZTF23, DS22, Dür23, EGLK20, GBR23, JDD⁺21, KRE22, LYC20, LHG24,
 LNB23, MWJL23, MR22, Mar22, MVK⁺24, MZL⁺21, MHP23, MDP22,
 PWD22, PM21, PGS⁺24, RG21, RMFB23, RCS21, SYFT23, SRE⁺24,
 SNG20, SDBS24, VÁFG⁺22, WZK⁺24, XOTI22, Yan23, ZZZ⁺20].
Implementations [YLIO22, HG22, MMFdL21, RBFB20]. **implemented**
 [DACA⁺22, LYX22, SN23]. **Implementing** [DRB22]. **Implicit**
 [TWR21, BCHE21, BTK24, CL22b, CCW20, DTC20, DBV⁺24, DBR24,
 EVMP20, KBB21, KBSL22, MAMK21, OCC23, PMK⁺23, RDR⁺20, RC23,
 SN23, SXYD24, TKS22, VLS22, YZ20b]. **implosion** [NUK⁺22, TKC⁺21].
imposition [MVF20]. **improper** [MBCC23]. **Improved**
 [BBC⁺24, DACA⁺22, Jab20, FFLR20, LY24, MZ22, SXYD24].
Improvements
 [CK23, EVFRHR23, KKL21, RBWD⁺24, SMO20b, WMA⁺22]. **Improving**
 [BGR23, KRJ23, PP21]. **impulse** [HMM22, OYC24]. **impurities** [YHH⁺20].
impurity [ACS⁺22, MSY⁺21, NSY⁺23, YHH⁺20]. **in/dependent** [Kar23a].
including [BBB20, KOT23, KM20, KMS20b, MOV21]. **inclusive**
 [BKG⁺23, ZDLS21]. **incompressible**
 [CS22a, CJZ21, Cos22, FBMD20, FRN21, HPY21, KBSL22, KRE22, LJH⁺23,
 ODR⁺22, TGS⁺20, WT22, YWTK23]. **incremental** [KFHR24].
independent [ADW⁺23, BV21, FMCB⁺20, MSU⁺21, WH23]. **index**
 [BMR⁺24b, MWJL23]. **induced** [LGBJ20, OYC24, Roh22, SJY18, SJY20].
Industrialization [BCCM⁺24]. **inelastic**
 [BKG⁺23, GSV23, MBB24, SMB20]. **inequality** [YYH21]. **inertial**

[LLH21a, NUK⁺²², TKC⁺²¹, ZLL⁺²⁴]. **inexact** [SLC⁺²²]. **Inference** [CV21, LM22, BB24a, HL21, KKP22]. **infinite** [RRC⁺²⁴]. **influence** [AS24]. **Informed** [LY22, RRC⁺²⁴, WBF⁺²⁴]. **infrastructure** [CZA⁺²³, zYCD⁺²⁰]. **INGRID** [GUW⁺²²]. **initial** [AS24, FYW23, SRML20]. **initialization** [NR21]. **initialize** [CCL⁺²²]. **Initio** [vRCM21, BDP⁺²¹, JPJ⁺²³, MMC⁺²¹, FN23, KSG22, MLD⁺²², SLBR22, SLIC24, ZGZW23, IMB⁺²², KMM21, LWC⁺²¹, NYN⁺²¹, PP23, RTRB21, YLH⁺²⁰, ZPL⁺²¹, TDR⁺²⁰, YHY⁺²¹]. **injection** [WAK22]. **Inline** [TW21b]. **inorganic** [ZHS⁺²⁰]. **input** [GHL23]. **inputs** [GBH20]. **insight** [RBV⁺²²]. **insights** [BMI23]. **inspired** [WHS24]. **instabilities** [MD20b, YYC⁺²³]. **instability** [LY24]. **installed** [XOTI22]. **insulator** [MCP23]. **insulators** [YI22]. **Integral** [KLMU21, SC20, CKT21, FN21, GOST23, MN21, SSV22, VPS23, VTB⁺²¹, XFH⁺²², YZHL22]. **Integrals** [HY23, ABBD23, ABD⁺²³, Arn20, BA24, Bzo21, DS20, DEdM24, Flo24, Hid21, HG22, Lee21b, LM23, PBC⁺²⁴, UZB22, WW21, WBM⁺²⁴]. **integrated** [Yan24b]. **Integrating** [KMM21]. **integration** [Bar22b, BMT23, CL20, CCK23, CNS22, DBR24, EML22, GDB10, HPY21, HW22, KBSL22, KMR22, Kol23, LC24, MPQ⁺²², PMK⁺²³, STA20, TSL21, TPCT22, WZPW20, WBM⁺²⁴, dVAR⁺²⁴]. **integration-by-parts** [WBM⁺²⁴]. **Integrations** [ZW20, CZ21]. **Integrative** [FYM⁺²²]. **integrator** [CL22b, EOR21, QWZ⁺²¹, TBAR21]. **integrator/WENO** [EOR21]. **integrators** [ZK20]. **Integro** [ASW20]. **Integro-Differential** [ASW20]. **Intel** [OLNG21]. **intelligence** [PMSHG23]. **intense** [BAB⁺²⁰, Tan23]. **intensity** [Dan23, HA23, Nie22a]. **intensive** [BKS24a]. **interacting** [LJQ⁺²², MBG⁺²⁰]. **interaction** [AAMY23, FBA⁺²⁰, GCK21, HHVB21, HLCD20, JMOC21, LBS⁺²³, MMP⁺²⁴, MSM24, Nie22a, SNG20, UAS22, VSM⁺²²]. **interaction-expansion** [SNG20]. **interactions** [ASA⁺²², AB21, BFI⁺²¹, CGR21, DG20, FN23, Gar21, HA23, KOT23, Kar23a, LMX⁺²¹, MLD⁺²², MRH⁺²³, NBS⁺²⁰, NBB⁺²¹, PWD22, PFG22, Tan23, YKSH20, YGSW21, ZPL⁺²¹]. **interactive** [GUW⁺²², TL20]. **interatomic** [DRB22, DBdFdSR21, HTS⁺²¹, KMG⁺²⁰, MPN⁺²¹, SKS24, WAET22]. **Interface** [AAACE⁺²¹, BMREC21, KMY⁺²³, AKW21, BLN⁺²¹, DvHSdS22, HWAA22, LY24, PFG22, TDR⁺²⁰, VMRFC23, WXL⁺²¹, YWTK23, YHY⁺²¹, ZDG⁺²¹]. **interfaces** [DTGE21, GB20, MCP23, WT22, XSM22, YR21]. **interfacial** [SPTPR21, UO20]. **intermediate** [LGBJ20, MLD⁺²²]. **intermediate-mass** [MLD⁺²²]. **Intermediates** [RG21]. **intermetallic** [AMP⁺²¹]. **internal** [BBA⁺²⁰, CZB⁺²³]. **interoperability** [BMREC21]. **InterPhon** [YHY⁺²¹]. **Interpolation** [KKL21, YLL⁺²², DS20, FMHH24, Ilt21, KOT23, KKLZ23a, KKLZ23b, KFC⁺²⁰, WVK21]. **interpolation-based** [KKLZ23a, KKLZ23b]. **interpretable** [TC24]. **interpretation** [BSS⁺²³, RMFB23, TRB20b]. **interpreting** [Hua24]. **intrinsic** [JGJ20]. **introduction** [BM20, WOP⁺²⁰]. **intuitive** [YR21]. **invariance** [CLS22b]. **invariants** [GBR23, LS23]. **inverse**

[AG23, HL21, TCD20, XLG⁺23]. **inversion** [DRZ⁺21, GST21, MN21]. **inverted** [CJZ21]. **Investigating** [ATC⁺23]. **Investigation** [SCF20, MVK⁺24, MZD⁺20, WBvdH20]. **InvFD** [MN21]. **involving** [BA24]. **ion** [Ada22, BFT20, FYM⁺22, GSV23, JS22, KLD⁺21, LS21a, MBH21, MEH21, NUK⁺22, PK24, PFG22, SNP⁺20, SMC⁺22, ST23b, TWR21, TBAR21, Xie23, YZL⁺23, KOF21]. **ion-ion** [GSV23]. **ion-material** [PFG22]. **ionization** [SZNW23, TNL⁺22]. **ions** [BKBL22, SJP21a]. **IR** [KSG22]. **IRAND** [KRJ23]. **irradiated** [CHY⁺24]. **irradiations** [MVK⁺24]. **irreducible** [GWPW21, IMB⁺22, LCZ⁺21, MONW21]. **irregular** [TS23]. **IrRep** [IMB⁺22]. **Irvsp** [GWPW21]. **Ising** [BPMMP24, HL21, OBL⁺21, RBFB20, YM21]. **isoconversional** [RHLTG⁺22]. **isomeric** [WGS⁺22]. **isotherm** [BRAC23]. **isothermal** [FA20b, LHG24, RHLTG⁺22]. **isotopes** [KAB⁺21]. **ISPH** [FRN21, MRN20]. **issue** [SZY⁺22]. **Issues** [LS21a]. **ITER** [COJ⁺22]. **iterated** [WW21]. **iteration** [HPAW21]. **iterations** [Ano20c, KK16]. **iterative** [DCZ23, GQ22, KKY24, MRN20, SGS23, WLCF21]. **ITVOLT** [SGS23]. **IV** [MSN⁺22].

Jacobian [LMMP23, Zho23]. **Jacobian-free** [LMMP23, Zho23]. **January** [Ano20r, Ano21q, Ano22q, Ano23q, Ano24h]. **Jas4pp** [CGG21]. **JaSTA** [Hal21]. **JaSTA-3** [Hal21]. **JAX** [BBA23, XLG⁺23]. **JAX-FEM** [XLG⁺23]. **JAX-Fluids** [BBA23]. **JefiGPU** [ZCP⁺22]. **Jefimenko** [ZCP⁺22]. **JeLLyFysh** [HQF⁺20]. **jet** [BP21, LNP⁺24, Roh22]. **jet-fragmentation** [Roh22]. **jet-tagging** [LNP⁺24]. **JFNK** [HA21]. **JIT** [VB22a]. **joint** [HFP21]. **Jones** [SHRK22]. **Josephson** [Gul20]. **JRAF** [Bag22]. **Julia** [Bag22, BA24, FASD20, VB22a]. **July** [Ano20s, Ano21r, Ano22r, Ano23r]. **junction** [BMI23]. **June** [Ano20t, Ano21s, Ano22s, Ano23s]. **just** [May21]. **Jx** [YKSH20].

Kalman [AGJ⁺23, BDGS21]. **KANTBP** [CGV⁺22]. **Kawasaki** [CZY20]. **Kernel** [STA20, BND22, LGDF20, TWW22]. **kernels** [EPM23]. **KGMf** [KFPV21]. **KinBot** [VZ20]. **kinematical** [Dan23]. **kinetic** [BB21, CLEP24, DIKSN24, FBC⁺21, HEF21, KDIN⁺23, LSW⁺20, LHG24, LWV20, MAMK21, RSC⁺22, SKC21, ZWP⁺22, ZYX21, ZYX22]. **Kinetics** [CV21, CLEPF23, FCTFR20, RHLTG⁺22, DdCAG23]. **kink** [ZJM⁺21]. **Kira** [KLMU21]. **kit** [WGGC22, MAMK21, CZWE23]. **KKMC** [AJW⁺21]. **KKMCee** [JWW⁺23]. **KLIFF** [WAET22]. **KM3NeT** [AAA⁺20, AAG⁺20, AAG⁺24]. **kMap.py** [BYL⁺21]. **knockout** [OYC24, SW23]. **Kohn** [JZW⁺22, LG23, YT23]. **Kokkos** [EVMP20]. **Krook** [FJ22]. **Krylov** [HKY⁺21, WPMK21, Zho23]. **KSSOLV** [JZW⁺22]. **Kubo** [Bul21, SP23, WLCF21]. **Kutta** [KBSL22, KFC⁺20].

lab [DHK⁺21, DG20]. **LaBCof** [NL23a]. **Lac** [BB24b]. **laden** [GWA⁺23, GB20]. **Lagrange** [GWA⁺23, SFBG20, WVK21].

Lagrange-mesh [SFBG20]. **Lagrangian** [CS22b, Ein20, MSM24, SRE⁺24, Sij23, THH21, TC24, WWM⁺22].
lagrangians [May21, May21]. **Laguerre** [HY23]. **lamellar** [FLK⁺20].
Laminar [VLS22]. **Laminar-Turbulent** [VLS22]. **LAMMPS** [CT23, CL22b, DCRF23, DACA⁺22, Ham20b, JCM20, KAS24, LYX22, TAB⁺22, YLIO22]. **Lanczos** [GBD⁺22, ZJ23]. **Landau** [AM21b, CFW⁺23, Hor23a, MDP22, SJ21, ZSqXY21]. **landscape** [LSZ23].
landscapes [NA20]. **Langevin** [JGJ20, LLT⁺23]. **Langtry** [VLS22].
Laplace [ATC⁺23, CLEPF23, WZC21]. **Laplacian** [CZS⁺21]. **lapse** [DG20].
Large [CJ21, WA21, YCC22, YJLW21, ARLDG24, BC22, BDR⁺20, CB23, CMJC21, EVFRHR23, GOST23, HSA22, KSG22, KKPC23, KFHR24, KLM⁺22, LBRW22, LKP21, LZK⁺23, LG23, LGK⁺22, MDR⁺20, OCK⁺24, PLT⁺23, PBC⁺24, RL21, SKM⁺21, VTB⁺21, ZJ23, ZW20].
large-dimension [ZJ23]. **Large-scale** [WA21, YJLW21, BC22, BDR⁺20, CB23, EVFRHR23, HSA22, KKPC23, KFHR24, LBRW22, LKP21, LZK⁺23, LG23, MDR⁺20, PLT⁺23, RL21].
laser [BAB⁺20, EBNS22, FN23, HA23, LLH21a, LMX⁺21, Nie22a, PMSHG23, SJY18, SJY20, Tan23]. **laser-electron** [Nie22a]. **laser-induced** [SJY18, SJY20]. **laser-plasma** [HA23]. **lasers** [ZLMH23]. **latex** [RDZ⁺20].
Lattice [BBB20, DBdFdsR21, KBSH20, MD21, NL23a, PLSB22, YD20, vRCM21, AHP21, CL22b, DACA⁺22, Dür23, EVFRHR23, FFTV23, FFLR20, FKK⁺21, GLSH21, IKM⁺23, JMOC21, KAS24, LLL24, MWJL23, MOY⁺22, QCZ23, RZ23, STA20, SKM⁺21, WA21, WSRO24, YCCW23, ZPZH20, ZPL⁺24, ASC⁺21, KK20]. **lattice-Boltzmann** [DACA⁺22]. **lattices** [BRAC23]. **LAVA** [DCRF23]. **laws** [HWAA22, OCR⁺22, Yev21]. **layer** [OKBM23, MAMK21]. **layered** [WZC21]. **layers** [Pöt20]. **lb** [DACA⁺22].
lb/fluid [DACA⁺22]. **LBcuda** [BLM⁺22]. **LBfoam** [ASC⁺21]. **LBsoft** [BMT⁺20, BLM⁺22]. **LCLS** [NCF⁺23]. **LCLS-II** [NCF⁺23]. **LCPAO** [YI22]. **leading** [ABB⁺22, PBC⁺24]. **leapfrog** [TKS22]. **learned** [MYKC23, RBV⁺22]. **Learning** [GUAD22, TGGC23, VEHCM21, ZKZ⁺24, AYB24, AUO⁺22, CFL⁺22, CWG⁺21, CZWE23, HPRS23, HJM⁺20, KRJ23, KKY24, LAC21, LCL⁺23, LDGN24, MLZ⁺23, MGG⁺20, MPN⁺21, SKS24, ST23b, TV24, TAGC22b, TSAK21, TGIM23, UD24, WAET22, YYZ⁺22, ZWC⁺20, ZGW20].
learning-based [CZWE23, UD24]. **Lebedev** [LLH⁺21b]. **Leffler** [CLEP24]. **left** [VSM⁺22]. **Legolas** [CK23]. **Lehmann** [KCS22]. **Lennard** [SHRK22].
Lennard-Jones [SHRK22]. **LEP** [AJW⁺21]. **LEP/SLC** [AJW⁺21].
LeptogeneSiS [GMPG⁺21, GLPG⁺23]. **Lepton** [AJW⁺21, AZH⁺24, JWW⁺23, LNP⁺24]. **LeptonInjector** [AAA⁺21].
leptons [SLP⁺22]. **LeptonWeighter** [AAA⁺21]. **leptoquarks** [CS22b].
LES/DNS [LBS⁺23]. **less** [AMA⁺20, BR20a, Pos22]. **Level** [YZZ⁺23, AHM⁺23, EVFRHR23, GSBN22, HWAA22, Hua24, KSG22, NT24, TGIM23, ZGZW23]. **level-3** [TGIM23]. **Level-set** [YZZ⁺23, HWAA22].
levels [CGV⁺22]. **LEVIS** [MPQ⁺22]. **LHC** [AES21, TPS⁺24]. **LHCb**

[AAB⁺21, BDGS21]. **LIBAMI** [EML22]. **libdlr** [KCS22]. **libEMM** [Yan23]. **libFastMesh** [FZD⁺24]. **Libra** [Lee21b]. **Library** [HJM⁺20, ART⁺20, ABK⁺22, BM20, BB24a, BFI⁺21, BIK⁺21, CK20a, CCL⁺22, DH22, DLD⁺21, FXZT21, FTG23, FPSZ21, GSBN22, HTH⁺20, HKY⁺21, KRC⁺20, KKPC21, MEDT⁺23, MRT⁺22, MT23, NJSY22, NBCMH20, Nie22b, OCC23, Par21, PPKK21, RDC⁺20, SVJ⁺24, SLDF⁺21, STRF⁺20, SJWL22, WAN⁺22, Yan23, YKK⁺23a, YMCF23, ZRZ⁺21]. **Lie** [FKS20]. **LieART** [FKS20]. **lifetime** [LU21]. **lifetimes** [GTMB21]. **lifex** [AFB⁺24a]. **lifex-cfd** [AFB⁺24a]. **ligand** [Ryd20]. **Light** [Hal21, LSNRD20, BKO20, KOT23, MR22, MS24, MLD⁺22, YYZ⁺22]. **light-** [MLD⁺22]. **lightweight** [RGS⁺21]. **like** [FN23, LHTP⁺24, Scr22a]. **likelihood** [BC20]. **likelihoods** [AKW21]. **LIMAO** [SJY20, SJY18]. **limiters** [VÁFG⁺22]. **Lindblad** [OEI⁺22]. **line** [Kut24]. **Linear** [HW22, ZJM⁺21, AGMFGE23, AIZ23, BB21, DNG⁺20, FLW⁺23, GPM⁺21, HA23, HMSV23, LBS⁺23, MG22, PAL⁺20, PBC⁺24, RVRT22, SLB⁺23, SLZY21, SJY18, SJY20, Yan21b, Yan24a, Zeb22]. **linear-** [SJY18, SJY20]. **linearization** [FYW23]. **linearization-based** [FYW23]. **linearized** [GMZ⁺20, HM24, KDK23, PPR⁺21]. **linearly** [CCW20]. **linearly-implicit** [CCW20]. **lines** [MM23]. **Lion** [BFT20]. **Liouville** [GBD⁺22]. **Liouville-Lanczos** [GBD⁺22]. **Liouvillian** [DEdM24]. **liquid** [BCF⁺24, BMI23, RSD20, SRT⁺20, UO20, XZLX20, dSOZ22]. **liquids** [MHÅ21, VCF22]. **LisbOn** [DdCAG23]. **LISE** [JRS⁺21]. **list** [Mar22]. **lithium** [WXW⁺21]. **lived** [ADH⁺20]. **load** [LWS⁺23, MLT⁺21, TPK⁺21, ZWZ⁺22, ZHZG23]. **load-decoupling** [ZWZ⁺22]. **loads** [KD23]. **Local** [LY24, DCZ23, JLL⁺24, JRS⁺21, LTMK21, LW24, NVC20, PWD22, SKM⁺21]. **localised** [MSHP20]. **locality** [VHBK21]. **localized** [CF21, HLzY⁺20, Kor23, MSHP02]. **locally** [OKBM23, SBZ23, ZPL⁺24]. **locally-aligned** [SBZ23]. **locally-conformal** [OKBM23]. **logarithms** [ABB⁺22]. **logderivatives** [BTW20]. **logic** [AAG⁺24, KMN21]. **Long** [ADH⁺20, HG22, MP21]. **Long-lived** [ADH⁺20]. **long-range** [HG22]. **long-term** [MP21]. **loop** [ADC⁺21, FQRR22, HQRR20, KKM⁺20, KM20, KMS20b, RUV20]. **loops** [LMWW24]. **Lorentz** [FH22]. **Lorenzetti** [ABF⁺23b]. **Low** [VPS23, CE22, CL22a, CJ21, Gar21, JS22, JDD⁺21, Kul20, LHG24, MD21, NYN⁺21, VV21, ZLLM23]. **low-density** [ZLLM23]. **low-dissipation** [Kul20]. **low-energy** [Gar21, NYN⁺21]. **low-order** [CJ21]. **low-pressure** [JDD⁺21]. **Low-rank** [VPS23, CE22]. **low-speed** [LHG24]. **low-temperature** [VV21]. **lower** [RBV⁺22]. **lower-dimensional** [RBV⁺22]. **lowest** [BKG⁺23]. **lowest-order** [BKG⁺23]. **lp** [FLW⁺23]. **lubrication** [NLS24, SLC⁺22]. **luminescence** [TR22]. **luminosity** [Ada22]. **LWR** [NL23b].

M [Xav22, LM22]. **M-CHIPR** [Xav22]. **m-NLP** [LM22]. **M1** [LMMP23].

M3D [ZJM⁺21]. **M3D-C1** [ZJM⁺21]. **MAAT** [AMP⁺21]. **Machine** [CWG⁺21, TGGC23, VEHC21, AYB24, AUO⁺22, CK20b, CZWE23, HPRS23, HJM⁺20, KRJ23, KHR⁺23, LAC21, LCL⁺23, MGG⁺20, MYKC23, MPN⁺21, RBV⁺22, SKS24, ST23b, TV24, TAGC22b, UD24, WAET22, YM21]. **machine-learned** [MYKC23, RBV⁺22]. **machine-learning** [LCL⁺23, MGG⁺20, MPN⁺21, SKS24]. **machines** [WWD20]. **macromolecular** [KDHL23]. **macroscopic** [PMSHG23]. **made** [AMK24, GFH23]. **MADHAT** [BHK⁺21]. **MAELAS** [NAZ⁺22, NAZ⁺21]. **MAFIA** [MRG22]. **MAFIA-MD** [MRG22]. **MagGene** [ZZ21b]. **magnetic** [AIZ23, BTK24, BM22, BKO20, CNB⁺23, DKRSR22, GO23, GBS⁺20, HHVB21, LL23, LGBJ20, LZYY23, LU21, LHTP⁺24, MZD⁺20, NRG22, NRG24, PTD20, RMR⁺22, Yan21a, YYC⁺23, YC20, YKSH20, YLL⁺22, ZYLY22, ZYL⁺23, ZZ21b]. **magnetic-field-** [LGBJ20]. **MagneticKP** [ZYL⁺23]. **MagneticTB** [ZYLY22]. **magnetism** [GOCSS⁺23]. **magnetized** [KOF21, MMP20, sXBkB⁺22, ZSqXY21]. **Magneto** [VGGP⁺21, DIAA21, NAZ⁺22, WDMZ24, NAZ⁺21]. **magneto-elastic** [NAZ⁺22, NAZ⁺21]. **magneto-hydrodynamic** [WDMZ24]. **magneto-optical** [DIAA21]. **Magneto-thermal** [VGGP⁺21]. **magnetohydrodynamics** [LJQ⁺22, LMMP23, SMA24]. **magnetostatics** [ALB22]. **maintainability** [LTT⁺24]. **MAISE** [HTS⁺21]. **major** [WMA⁺22]. **Majorana** [WPMK21]. **Mammography** [BSG⁺21]. **MAN** [WAYL23]. **management** [CCC20, LYZL24]. **manifold** [LJQ⁺22]. **manifolds** [CB23, XQ21]. **manipulation** [Ols23]. **manufacturing** [SYFT23]. **Many** [GBJ⁺21, SDL⁺21, AJDS⁺21, ATRD21, DC22, MAJ20, NA20, OGL⁺21, PPKK21, RMM21, WS20, Xav22, XBL⁺20]. **many-** [OGL⁺21]. **Many-Body** [GBJ⁺21, ATRD21, DC22, MAJ20, PPKK21, RMM21, XBL⁺20]. **Many-core** [SDL⁺21]. **many-dimensional** [NA20]. **many-electron** [AJDS⁺21]. **manybody** [CT23]. **manycore** [RL21]. **map** [SRML20]. **Maple** [JWK⁺21, PMS20b]. **mapped** [MPSK21]. **mapping** [SFC20, Zeb22]. **March** [Ano20u, Ano21t, Ano22t, Ano23t, Ano24i]. **Markov** [HSMR⁺24, MMM23]. **MARLEY** [Gar21]. **Marlics** [dSOZ22]. **MARTY** [UMA21]. **MASAP** [KRL⁺24]. **mass** [KAB⁺21, LM23, MP21, MLD⁺22, MDDI21, PC21, RTRB21]. **masses** [ABD⁺23, Efr23, HLM22]. **Massive** [SRML20, KKPC21, LYZL24, YKK⁺23a]. **Massively** [KHR⁺23, BBH⁺24, CHY⁺24, Cos22, DMS⁺22, KMM21, KSC⁺23, MDR⁺20, ZAW⁺21]. **Massively-parallel** [KHR⁺23]. **massless** [RUV20]. **Master** [FFLR20, ZXT22, ZXT23, BB24b]. **Master-field** [FFLR20]. **matched** [OKBM23, Pöt20]. **matching** [HLM22]. **material** [ASPDL⁺21, DCRF23, MRH⁺23, MVF20, MYKC23, MYM⁺22, NYN⁺21, PP23, PFG22, Sij23, TRB20b, YGSW21]. **Materials** [AMP⁺21, SLL⁺21, AMK24, CL20, CHY⁺24, EGKH24, GLN23, HTL⁺22, HJM⁺20, LDGN24, ONH⁺20, PB23, RMCC22, SA23, SLDF⁺21, TAB⁺22,

TLC⁺21, TQGE23, UÁEPGBP24, VMRFC23, WWB22, YNV22, YNV23, YTC⁺20, YLH⁺20, ZYLY22, ZGZW23, ZWC22]. **Mathematica** [ABBD23, Ber24, Bzo21, FKS20, Fon21, Hid21, HCP20, LM23, PSW23, Tor20, Xav22]. **mathematical** [TRB20b]. **Mathematics** [CB23]. **MATLAB** [CR20, JZW⁺22, dMMLOS20, KMBP24]. **matrices** [CGV⁺22, Fis24, HT24, MMM23, MRT⁺22]. **Matrix** [WBvdH20, BGH22, BFCR24, BAB⁺20, CPL21, CCC20, FMCB⁺20, KIK20, Kut24, MBG⁺20, QJ21, RZ23, RMFB23, SLZY21, SKM⁺21, XFGS24]. **matrix-product-state** [SKM⁺21]. **Matsubara** [EML22]. **matter** [BRHT21, Jab22b, Jab24, LSZ23, May21, MHK24, NBS⁺20, PAM24, Sch21, UAS22, BCD⁺21, GUAD22]. **MAX** [FLW⁺23]. **MAXIM** [YR21]. **maximally** [Kor23]. **maximally-localized** [Kor23]. **maximization** [AS24]. **maximize** [MRT⁺22]. **Maxwell** [DGM20, GLB⁺21, KMD⁺21, LW24, LLH⁺21b, MOV21, PMK⁺23, QWZ⁺21, RJ21, YZW21, YKY⁺22, ZLL⁺24]. **May** [Ano20v, Ano21u, Ano22u, Ano23u, Ano24j]. **maze** [Ryd20]. **mbsolve** [RJ21]. **MCBTE** [PPR⁺21]. **MCGPU** [HLMB24]. **MCGPU-PET** [HLMB24]. **MCMC** [HL21]. **MCMC-based** [HL21]. **MCNNTUNES** [LAC21]. **MCNOX** [Hua24]. **mcrtFOAM** [FXQS21]. **MCS** [NL23b, YLK⁺20]. **MD** [CLZ⁺21, MRG22]. **MD2D** [LN23]. **mdapy** [WS23]. **Mead** [PP23]. **Mean** [SHW⁺21, BN20, BN23]. **mean-field** [BN20, BN23]. **means** [Kul20, SJ20, UZB22]. **measure** [DRSZ23]. **measurement** [HTN21, MPSK21, WBF⁺24]. **measurements** [KAB⁺21, MYM⁺22]. **measuring** [HPP23]. **mechanical** [LZP⁺24, Ols23, SLDF⁺21]. **mechanically** [KvdW20]. **Mechanics** [Sha21, LYZL24]. **Mechanics-oriented** [Sha21]. **mechanism** [Kar22, LLY⁺22]. **mechanisms** [DIKSN24, FBC⁺21, KDIN⁺23]. **mechanistic** [XLG⁺23]. **MechElastic** [SLDF⁺21]. **media** [BVV22, Hoh24, LLH⁺21b, MS24, OSK⁺21, SFS22, WZC21, XFH⁺22, YCCW23, ŽTR⁺22]. **Medical** [GSM⁺22, GOS⁺22]. **medium** [DRZ⁺21, Roh22, Tan23]. **Meek** [MHÁ21]. **MELASA** [FLK⁺20]. **melt** [CZY20]. **membrane** [ZBS⁺23]. **Memory** [MD21, EVMP20, LYZL24, MLT⁺21, ZWZ⁺22]. **Memory-efficient** [MD21]. **Menter** [VLS22]. **MercuryDPM** [WOP⁺20, OAP⁺24]. **merging** [BP21, DWD⁺24, LXY⁺21]. **Merlin** [ABK⁺22]. **mesh** [AMA⁺20, ASC⁺24, BBA⁺20, FXQS21, FAL20, FAL21, GKT⁺24, KKY24, LW24, MM23, NSY⁺23, PG23, SN23, SFBG20, SJP⁺21b, WDMZ24, ZDSS23, Zho23]. **mesh-adaptive** [SJP⁺21b]. **mesh-agglomeration** [FXQS21]. **mesh-free** [MM23]. **mesh-less** [AMA⁺20]. **mesh-refined** [LW24]. **meshes** [CS22a, KSF⁺22, PGYF21, PD23, RVRT22, TGBM22]. **meshing** [RSHS24]. **meshless** [JLL⁺24]. **meso** [TAB⁺22]. **meson** [KL23a]. **mesoscale** [AALK20]. **metal** [CXCZ23, CLZ⁺21]. **metals** [CWG⁺21, HM24, MOV21]. **metamaterials** [LW24]. **metastructures** [HSA22]. **metasurface** [KL23b, YWM23]. **Metasurfaces** [YR21]. **Metasurfaces-oriented** [YR21]. **Method** [MD21, PLT⁺23, STA20, AUEO24, AMA⁺20, ATC⁺23, BA24, BCHE21, BN20, BND22, BN23, BDdM20, ČPF⁺24, CHA21, CJZ21,

CHY⁺24, CL21, CB20, CF21, CLEPF23, CCW20, DZZ21, DCZ23, FJ22, FLW⁺23, FBMD20, FYM⁺22, GTE21, GLSH21, GRCT20, GB20, HPY21, HPAW21, HTL⁺22, HFP21, HKY⁺21, HA21, HJGL22, HGS20, JKSY22, JDD⁺21, KKLZ23a, KBB21, KSJ⁺22, KR23, KL23b, KFC⁺20, KMD⁺21, KYH24, Kut20, LEE⁺21a, LBM⁺23, LKP21, LKK23, LXY⁺21, LKP24, LLL24, LLZ⁺22, LJH⁺23, LS22, LDGN24, LMHUR23, LVMGF⁺23, LNB23, MWJL23, MSH22, MBG⁺20, MZL⁺21, MSM24, MVAXP22, MOV21, MCP23, MRD23, MNS⁺24, NG21, Och23a, Och23b, ONH⁺20, OKBM23, PB23, PWD22, QCZ23, RBV⁺22, RC23, RV20, RV21, RCW⁺20, RVRT22, RCS21, SFBG20, SJP⁺21b, SLZY21, SXYD24, SNG20, SLC⁺22, SCMP⁺22, SCR⁺22b, SAC⁺21, SS21b, TCD20, TTM22, TS23, TLC⁺21]. **method** [TPCT22, eSdSBST21, WZZS21, WZC21, WWM⁺22, WA21, WLCF21, WLL22, WPMK21, WS20, WVK21, WNS⁺21, WYZZ23, XDF20, XSL⁺22, XFH⁺22, XLKX21, YT23, YS22, YWM23, YSX⁺20, YC20, YXX⁺21, YZHL22, YKK23b, ZPZH20, Zha20, ZPL⁺24, ZZ21a, ZYX21, ZYX22, Zho23, ZHM21, ZLS⁺22, ASC⁺21, GSL24, LMHUR23]. **method-based** [KR23]. **Methodology** [SCMP⁺22, WBF⁺24, WZK⁺24, SFKC22]. **Methods** [LSNRD20, AYB24, BBV⁺22, BCGT24, CL20, CJ21, DGM20, ELSV24, FYW23, GCWZ20, HAM⁺20a, HWL⁺23, IKM⁺24, JMOC21, KAB⁺21, KSF⁺22, KLMU21, KFC⁺20, KvH21, LHG⁺20, LH22, MCB⁺20, NCF⁺23, PMK⁺23, PAL⁺20, PM21, SL22, SKM⁺21, SDBS24, UZB22, VPS23, YLIO22, YZW21, YWTK23, YK21b, YZZ⁺23]. **Metric** [BTW20]. **metrology** [CDD22, HTN21]. **Metropolis** [SJ20]. **MeV** [Pos22]. **MFC** [BSC⁺21]. **MF DFA** [GHKW22]. **MGOS** [KRC⁺20]. **MHD** [CK23, FMBD22, MG22, SDXY23, TKS22, TWR21]. **MHFEM** [SFS22]. **Mi3** [HL21]. **Mi3-GPU** [HL21]. **Micro** [LLY⁺22]. **microfluidics** [AALK20]. **micromagnetic** [RMR⁺22]. **micromagnetics** [PRS⁺20]. **micron** [LU21]. **microparticles** [DHK⁺21, KT23]. **microrheology** [DG20]. **microscale** [KM23, MEC⁺24]. **microscope** [KLD⁺21]. **Microscopic** [Gul20, YYC⁺23]. **microscopy** [AUO⁺22, DG20, HGS20]. **microstructures** [EGLK20]. **Migration** [Gro22]. **million** [LWC⁺21, RZ23]. **MiMeS** [Kar22]. **Minimal** [AAT⁺20, AAT⁺14, KKM⁺20, LXY⁺21, May21, SSH⁺23, STRF⁺20, KM20]. **minimal-lagrangians** [May21]. **minimisation** [PGS⁺24]. **minimization** [IJVJ21, IUJ21, SAS20, SAN24]. **minimum** [NA20]. **Minkowski** [BMT23]. **Minnesota** [ZXT22, ZXT23]. **minor** [EGKH24]. **Mirheo** [AALK20]. **Misalignment** [Kar22]. **missions** [GSL⁺23]. **mitigate** [MD20a]. **MiTMoJCo** [Gul20]. **MITNS** [KOF21]. **Mittag** [CLEP24]. **Mittag-Leffler** [CLEP24]. **mixed** [LHC20]. **mixing** [Nog21a, NVCS23]. **mixtures** [LM21a, SLK23, ZLLM23]. **ML** [LNP⁺24]. **MLAnalysis** [GFD⁺24]. **MLQD** [UD24]. **mobile** [LLC⁺23]. **mobility** [MMC⁺21]. **MOC** [LLZ⁺23, WLL22]. **MOCOKI** [BB21]. **Modal** [WAYL23, KL23b]. **mode** [BDK⁺23, ZJM⁺21]. **Model** [BHK⁺21, DPR⁺20, DRR⁺24, Gul20, RBV⁺22, ASU⁺21, AFJ⁺23, AHM⁺23, BCHE21, BGW⁺22, BB21, BTK24, BCTS22, CFLR24, CL20, CZY20, CKT21, Dau23, DRB22, FJ22, FBA⁺20, HLCD20, JLW24, JPJ⁺23,

KLD⁺²¹, KDK23, KM23, KW23, KAS24, LL23, LLH21a, LY24, LGK⁺²²,
 MMC⁺²¹, May21, MBCC23, NYN⁺²¹, NLS24, NRG24, OBL⁺²¹, RBFB20,
 SYFT23, SKYQ21, SZY⁺²², SZ23, SOH⁺²³, SJWL22, SW23, TKS22,
 TCY⁺²¹, TCY23, TPK⁺²¹, TPCT22, TNL⁺²², VLS22, VEHCM21, WZZ⁺²³,
 WYT23, YZL⁺²³, YYH21, YK21a, YX24, YWX⁺²³, ZYLY22, ZGW20,
 ZSqXY21, Bie21, DDM20, HQRR20, KM20, KMS20b, MAJ20, UMA21].
Model-Agnostic [BHK⁺²¹]. **Modeling** [BB24b, RSHS24, Sha21, YD20,
 AHP21, AG21, ART⁺²⁰, BFL⁺²², CFW⁺²³, EGLK20, FA20a, FLK⁺²⁰,
 GUW⁺²², HSB⁺²⁴, HyLF23, HRG⁺²², JYL⁺²³, KRE22, KNJ⁺²³, LMX⁺²¹,
 LZP⁺²⁴, LSF23, MK22, MHK24, MMV⁺²⁴, MYKC23, MT23, MOMO24,
 NRKA22, NI22, NLS24, PMA⁺²¹, PG23, RRC⁺²⁴, SFKC22, SMC⁺²²,
 TAB⁺²², VB22b, Yev21, YMCF23, ZGZW23, ZKZ⁺²⁴, ZHZ⁺²³]. **modelling**
 [BVV22, DRM20, LS21a, MBG⁺²⁰, MVAXP22, Org22, OXOG23, TDR⁺²⁰,
 TRB20b, WNS⁺²¹, WSK⁺²², Yan23, Yan24b]. **Models** [GFH23, RMR⁺²²,
 AES21, BRAC23, CZWE23, CSBF23, EVMP20, FA21, GZW20, GHK20,
 HTS⁺²¹, HSMR⁺²⁴, Jab24, KPR⁺²⁴, KC21, KVSC21, LLC⁺²³, Mau20,
 MD22, MDDI21, NRK⁺²¹, OSE⁺²⁰, PBC⁺²⁴, RDZ⁺²⁰, SZ24, SBG23,
 SKM⁺²¹, YWTK23, YM21, YKYK23, ZWC⁺²⁰, ZYL⁺²³, Zho23].
moderate [GOST23]. **moderate/large** [GOST23]. **modern**
 [EOR21, FFTV23, HAM^{+20a}, UMA21]. **modernization** [VXT⁺²³]. **modes**
 [HRU22, JGJ20, WPMK21]. **modification** [BGW⁺²²]. **Modified**
 [FA20a, BCGT24, HLCD20, YK21a]. **modular**
 [GRCT20, MOMO24, PAM24, SC20, WKJB23]. **modulation**
 [MNS⁺²⁴, SBG23]. **module** [BGHC23, GK21, GBJ⁺²¹, GSM⁺²², GOS⁺²²,
 HYL⁺²², LN23, MKPW21, MKPW22, MEH21, WHSG24]. **modules**
 [BDR⁺²⁰]. **Moiré** [NNMJ22]. **Molecular**
 [LWC⁺²¹, MKPW21, MKPW22, MRG22, SOH⁺²³, AHM⁺²³, Bag22,
 BMREC21, BCTS22, CMJC21, CGR21, CDT22, DTGE21, FGCN⁺²¹,
 GDS⁺²¹, Ham20b, HyLF23, KHR⁺²³, KRC⁺²⁰, KMM21, KLM⁺²², LN23,
 LZP⁺²⁴, LVMGF⁺²³, MHK24, MBCC23, Ols23, PCS⁺²⁰, SMO^{+20a}, SKC21,
 SC22, SSD⁺²², SZNW23, TCSD24, TRB^{+20a}, VCF22, VXT⁺²³, VvBTH20,
 Wor20, WS23, ZHI23, ZJS⁺²⁰, YD20]. **molecule** [PRR23, SHRK22, Xav22].
molecules [BGHC23, BFMA⁺²⁴, BAB⁺²⁰, Hua24, KSG22, MJB24,
 MBG⁺²⁰, NI22, RV20, RV21, SJP21a, SMB20, TRN⁺²⁴, ZLMH23]. **MolSSI**
 [BMREC21]. **MolTwister** [Ols23]. **Moment**
 [SJP^{+21b}, CFW⁺²³, HFP21, PLF20]. **Moment-preserving** [SJP^{+21b}].
moments [Ume22, LMHUR23]. **momentum**
 [CCW20, CWJ21, JDS20, KPST21, Pöt20, ST23a, WJB21]. **monitor**
 [Ada22]. **monokinetic** [LMHL20]. **Monte**
 [Kal20, ABGD⁺²⁰, ASPDL⁺²¹, ACD⁺²², AJW⁺²¹, BRAC23, BB21,
 BCF⁺²⁴, BKO20, BKS24b, BIK⁺²¹, BKBL22, BKG⁺²³, CCM20, DRSZ23,
 DDM20, DdCAG23, ELSV24, FXQS21, GJA21, GAGO21, GHK20, HT24,
 HLMB24, HQF⁺²⁰, Hua23, HSMR⁺²⁴, Ilt21, JWW⁺²³, JKKN23, KOT23,
 Kol22, Kol23, LAC21, LTMK21, LLL24, LC24, LHWX24, MMM23, MT23,

NL23b, Nie22a, OBL⁺21, PAZ⁺22, PLT⁺23, PYT⁺24, PPR⁺21, PC21, RSC⁺22, RCB21, Roh22, SNP⁺20, SJP⁺21b, SHS22, SNG20, SLIC24, TAY⁺24, WAN⁺22, WSRO24, WZPW20, YLK⁺20, ZHS⁺20, ZDLS21].

Monte-Carlo

[BKS24b, BKG⁺23, GAGO21, JDD⁺21, RCB21, SJP⁺21b, ZDLS21].

morphology [ANU21, RDZ⁺20]. **mosaic** [SPF21]. **Moshinsky** [Efr21b].

most [PRR23]. **motion** [GSV23, ZHM21, dVAR⁺24]. **movements** [GTE21].

moving [FH22, HMR22, MDZ24, TCSA21, WDMZ24]. **moving-grid**

[TCSA21]. **MP** [FN23]. **MP-CITDSE** [FN23]. **MPI**

[LYZL24, YW21, ZHZG23]. **MPI-based** [ZHFG23]. **MPI-CUDA** [YW21].

MPS [eSdSBST21, XFGS24]. **MPS-VQE** [XFGS24]. **MQCT**

[MBJB24, SMB20]. **MRADSIM** [ACKB23]. **MRADSIM-Converter**

[ACKB23]. **ms2** [FGCN⁺21]. **MSGCorep** [LZYY23]. **MSSM**

[BHH⁺20, KMU⁺23]. **MSTor** [CZB⁺23]. **MTASpec** [KSG22]. **MTP**

[MPN⁺21]. **MTP/ShengBTE** [MPN⁺21]. **muffin** [PAL⁺20]. **muffin-tin**

[PAL⁺20]. **MuFinder** [HHMH⁺22]. **Multi**

[CZX⁺21, CJD⁺20, DS22, DKM⁺24, JWW⁺23, LLC⁺23, MDDI21, OCK⁺24,

ADC⁺21, AG21, BP21, BSC⁺21, BW23, CZ21, CTZW23, CFW⁺23, Cos22,

DRZ⁺21, DFU20, EGLK20, FJ22, FRN⁺23, GDS⁺21, GDJG23, GNP20,

HPY21, HSA22, KMM21, KDK23, KMD⁺21, KMG⁺20, MVK⁺24, MHK24,

Nor23, OGL⁺21, PMK⁺23, PWD22, PG23, RMR⁺22, RZ23, SNP⁺20,

SPMS23, Sij23, TPCT22, WZPW20, Xav22, XLL⁺22, Yan21a, YFL22,

YKK⁺23a, YKK23b, ZPZH20, ZW20, ZRZ⁺21, FLK⁺20].

multi-architecture [Nor23]. **multi-block** [Cos22]. **multi-center** [GDS⁺21].

Multi-component [DKM⁺24, BSC⁺21]. **multi-core** [KMM21, OGL⁺21].

multi-dimensional [KMD⁺21, PMK⁺23, WZPW20]. **multi-direct-forcing**

[ZPZH20]. **multi-field** [GNP20]. **multi-fluid** [PG23]. **multi-function**

[CZ21]. **Multi-GPU**

[DS22, OCK⁺24, DRZ⁺21, DFU20, EGLK20, HPY21, MVK⁺24, MHK24].

multi-GPU-based [YKK⁺23a]. **multi-GPUs** [WZPW20, ZW20].

multi-grid [BW23]. **multi-group** [Sij23]. **multi-ion-species** [SNP⁺20].

multi-jet [BP21]. **multi-loop** [ADC⁺21]. **multi-material** [Sij23].

multi-million [RZ23]. **multi-moment** [CFW⁺23]. **Multi-objective**

[CZX⁺21, KMG⁺20, SPMS23]. **multi-orbital** [PWD22]. **multi-phase**

[BSC⁺21, FLK⁺20]. **Multi-photon** [JWW⁺23]. **multi-physical**

[YFL22, YKK23b]. **Multi-physics**

[LLC⁺23, AG21, FRN⁺23, GDJG23, XLL⁺22, ZRZ⁺21]. **Multi-Rate**

[MDDI21]. **multi-region** [Yan21a]. **multi-resolution** [ZRZ⁺21].

multi-scale [BSC⁺21, CTZW23, FJ22, TPCT22]. **Multi-species**

[CJD⁺20, KDK23]. **multi-stable** [HSA22]. **multi-state** [Xav22].

multi-threaded [AG21]. **multi-timescale** [RMR⁺22]. **multicenter** [HG22].

multichannel [Kol23]. **Multicolor** [Ume22]. **multiconfiguration**

[LWS⁺23]. **multiconfigurational** [Hua24]. **multicoordinate** [LKK23].

multidimensional [Bar22b, KMBP24, RBV⁺22, Yan24b].

Multidisciplinary [WKR23]. **multielectron** [BAB⁺20]. **multifractal** [GHKW22]. **multigrid** [EVFRHR23, FKK⁺21, TS23, UJ21]. **MultiHypExp** [Ber24]. **multilayered** [BVV22]. **multilayers** [LL23]. **Multilevel** [ELSV24, YYY22, WSRO24]. **multiloop** [Lee21b]. **multiobjective** [NCF⁺23]. **multiphase** [CESD⁺23, FA20b, SPLD20, TO21, YCCW23]. **Multiphysics** [ARLDG24, MEDT⁺23, SPLD20, Zho23]. **Multiple** [Jab22b, ZK20, Ber24, CCM20, CGSO20, DC22, JM24, KDHL23, ODR⁺22, SZ23, WA21, KOF21]. **Multiple-Ion** [KOF21]. **multiply** [KMM21]. **multipole** [CB20, KKLZ23a, TCD20, WZC21, WVK21, YT23]. **multiresolution** [GP22, HWAA22]. **Multiscale** [LWV20, SD24, AS24, FTZ⁺23, Tan23, ZHZ⁺23]. **multistable** [MOA24]. **multistructural** [CZB⁺23]. **Multithreaded** [LTMK21, LLR23]. **multiUQ** [TO21]. **multivariate** [AKL⁺21, BBH⁺24, Ber24, EBBB22]. **MultivariateApart** [HvM22]. **multizone** [LLZ⁺23]. **MuMuPy** [UAS22]. **munuSSM** [Bie21]. **muon** [BFI⁺21, HHMH⁺22]. **muon-nuclear** [BFI⁺21]. **muphy** [ARLDG24]. **MUSES** [SMA24]. **mVMC** [XOTI22]. **MXAN** [BDP⁺21]. **MXE** [MP21]. **MyElas** [WGGC22].

N [Haz23, NUK⁺22, VMRFC23, LNB23, SGM⁺20]. **N-on-Equilibrium** [SGM⁺20]. **N-shaped** [LNB23]. **Nano** [SLIC24, WMA⁺22]. **Nano-**[SLIC24]. **nano-optics** [WMA⁺22]. **nanobem** [Hoh24, HRU22]. **nanodrop** [SD24]. **nanoheteroepitaxial** [DZZ21]. **NanoNET** [KVSC21]. **nanoparticle** [WAK22]. **nanoparticles** [HT24]. **Nanophotonic** [HRU22, Hoh24]. **nanophotonics** [BFCR24]. **nanoporous** [XBL⁺20]. **nanoscale** [KGN⁺21, MMM20, MP21, TRB20b]. **nanostuctures** [RZ23, SHS22]. **nanosystems** [MVK⁺24]. **nanowire** [CW22]. **natural** [PM21, RSD20, SRT⁺20, SLE⁺22]. **natural-orbital-functional-based** [PM21]. **Nautilc** [HT20]. **Navier** [BMS⁺23, DAC⁺23, HPY21, HWL⁺23, JM24, KSF⁺22, MOMO24, ZX23]. **nccrFOAM** [MEC⁺24]. **NCrystal** [CK20a, KC21]. **near** [UYS22, ZWZ⁺22]. **near-continuum** [ZWZ⁺22]. **nearshore** [TL20]. **NeatIBP** [WBM⁺24]. **neBEM** [DBM⁺24]. **needed** [Jab22a]. **NekMesh** [GKT⁺24]. **Nektar** [LBS⁺23, MCB⁺20]. **Nelder** [PP23]. **NEMOH** [KD23]. **neoclassical** [SNP⁺20]. **Nernst** [ZX23]. **NESSi** [SGM⁺20]. **net** [DH20]. **Network** [LPSK20, BRAC23, BB24a, CDD22, CGZ⁺20, DRB22, HTS⁺21, KHKL24, MM22, MOY⁺22, YKYK23, ZHI23]. **Networks** [LY22, SWZ23, AM21b, BKS22, KKP22, LSF23, RRC⁺24, Rod22, vdHKB⁺23]. **Neural** [LY22, LPSK20, SWZ23, BRAC23, BB24a, BKS22, CGZ⁺20, DRB22, HTS⁺21, KHKL24, KKP22, LSF23, MM22, RRC⁺24, Rod22, YKYK23, ZHI23, vdHKB⁺23]. **neutral** [AZH⁺24, SLP⁺22, TKS22]. **neutrino** [AAA⁺21, AZH⁺24, AAG⁺20, ASW22, Gar21, KTF22]. **neutrino-nucleus** [AZH⁺24]. **neutrinos** [GLW⁺23]. **neutron** [CK20a, CKC⁺21, CL21, CLEPF23, CLEP24, KJL⁺23, KC21, MKPW21, MKPW22, VGGP⁺21, WBF⁺24, WLL22, XSL⁺22]. **neutrons** [BCT20].

Newly [IKM⁺24, LHWX24]. **Newton** [AG21, LVMGF⁺23, SLC⁺22, Zho23]. **Newtonian** [AHP21]. **Next** [AAT⁺14, AAT⁺20, ABB⁺22, KM20]. **next-to-leading** [ABB⁺22]. **Next-to-Minimal** [AAT⁺20, AAT⁺14, KM20]. **NIC** [RHW⁺21]. **NIC-CAGE** [RHW⁺21]. **Nicolson** [LNB23]. **nitride** [HLCD20]. **NLO** [SY20]. **NLOX** [FQRR22, HQRR20]. **NLP** [LM22]. **NNPred** [LSF23]. **noble** [TNL⁺22]. **Nodal** [WNS⁺21, SS21b, XSL⁺22, YZHL22, Zho23, ZLS⁺22]. **nodal-staggered** [ZLS⁺22]. **node** [GSBN22]. **node-level** [GSBN22]. **nodes** [PP23, YZHL22, PP23]. **noise** [LMWW24, TCcN23]. **noising** [TAGC22a]. **noisy** [KIK20]. **nominal** [SFBG20]. **Non** [DNG⁺20, JLL⁺24, Kar23b, KKY24, NA20, AHP21, ADW⁺23, Dau23, DFP⁺20, DH20, Efr23, FMBD22, GBS⁺20, GOCSS⁺23, JDS20, KKM⁺20, LBS⁺23, LHG⁺20, MEC⁺24, NVC20, PCS⁺20, QCZ23, RHLTG⁺22, RG21, RVRT22, SYFT23, SJ21, SLB⁺23, SBZ23, VXT⁺23, VB22b, WLCF21, XSM22, ZYLY22, ZYL⁺23, ZZ21a]. **non-aligned** [SBZ23]. **non-bonded** [VXT⁺23]. **non-collinear** [GOCSS⁺23]. **non-convex** [LHG⁺20]. **Non-empirical** [NA20]. **non-equilibrium** [MEC⁺24, SYFT23]. **non-flat** [SJ21]. **non-identical** [XSM22]. **non-isothermal** [RHLTG⁺22]. **Non-iterative** [KKY24, WLCF21]. **Non-linear** [DNG⁺20, LBS⁺23, RVRT22, SLB⁺23]. **Non-local** [JLL⁺24, NVC20]. **non-magnetic** [LL23, ZYLY22, ZYL⁺23]. **non-minimal** [KKM⁺20]. **non-Newtonian** [AHP21]. **non-pairwise** [RG21]. **non-periodic** [FMBD22]. **non-reactive** [ADW⁺23]. **non-spherical** [QCZ23, ZZ21a]. **Non-standard** [Kar23b]. **non-thermal** [DFP⁺20]. **non-uniform** [PCS⁺20, VB22b]. **non-vanishing** [JDS20]. **non-zero** [DH20]. **nonadiabatic** [SZT24]. **noncentral** [GST21]. **nonequilibrium** [FTZ⁺23]. **nonequispaced** [YW21]. **Nonintrusive** [TGS⁺20]. **Nonlinear** [KSJ⁺22, MEC⁺24, B JL⁺24, BCGT24, CLS22b, DTC20, FBA⁺20, GTA21, GMZ⁺20, Hua24, JLL⁺24, KBB21, LDGN24, NS20, SMA24, SCL22, WXY20, WKR23, ZJM⁺21]. **nonlocal** [AB21, BDA⁺20, CLVV22, MZV23]. **Nonrad** [TAE⁺21]. **nonradiative** [TAE⁺21]. **nonsequential** [TNL⁺22]. **nontrivial** [Pöt20]. **nOOn** [BCT20]. **NORA** [Sit23]. **norm** [TIG⁺24]. **norm-conserving** [TIG⁺24]. **normalizing** [BKS24a]. **nouveau** [PGS⁺24]. **novel** [Ano20c, JLL⁺24, KK16, LC24, LNB23, PMS⁺20a, SFKC22, SCMP⁺22, SCR⁺22b, TCY⁺21, WLL22, YZW21, Yan21b, ZHZG23]. **novelties** [ADH⁺20]. **November** [Ano20w, Ano21v, Ano22v, Ano23v]. **NSC** [Kar23b]. **NTMpy** [ASU⁺21]. **nuclear** [AAMY23, BFI⁺21, COJ⁺22, CCG21, DR21, GUAD22, GSV23, Hor23b, KJL⁺23, LLC⁺23, LLL24, MAJ20, TBAR21, Zho23]. **nuclear-decay** [Hor23b]. **nucleation** [Bar22a, WNS⁺21]. **nuclei** [GCK21, MLD⁺22]. **Nucleon** [BDA⁺20, Kar23a, MLD⁺22, OYC24, SW23]. **nucleosynthesis** [AAHJ20]. **nucleus** [AZH⁺24, BDA⁺20, GJJN23, MLD⁺22, NRK⁺21]. **nuclide** [LWhK⁺20]. **nudged** [BFD22]. **number** [ATRD21, CdBMdAS⁺21, HFP21, LLT⁺23, MD21]. **numbers**

[CXCZ23, Nog21b]. **numeric** [HLzY+20]. **Numerical** [AS22, Arn20, Bar22b, CKT21, GMZ+20, HJK+24, KOF21, KRE22, MPQ+22, NS20, SZ23, SSV22, WJB21, WWB22, WHB21, WW21, ADC+21, Bak23, BMSP21, BTG22, CFBRE24, CZY20, FA21, GSLS20, GOCSS+23, GWA+23, GHl+22, GB20, KSF+22, KPL+21, KFC+20, Kul20, LM21a, LS21a, MN21, NSU20, PG23, THH21, VB22b, WAK22, Yan21b, YWM23, ZCWY20, ZRH21]. **Numerically** [LHTP+24]. **Nunziato** [Dau23]. **NuSD** [KTF22]. **nuSQuIDS** [ASW22].

O [NUK+22]. **O-SUKI-N** [NUK+22]. **Object** [BC22, CB23, JKST22]. **Object-oriented** [BC22, CB23, JKST22]. **objective** [CZX+21, KMG+20, SPMS23]. **objects** [GTE21]. **observable** [YZL+23]. **observables** [CNB+23, PAM24]. **observatories** [AAA+21]. **obtain** [GWPW21, VMRFC23]. **obtaining** [AUEO24, DBdFdSR21]. **OCTAVE** [MN21]. **October** [Ano20x, Ano21w, Ano22w, Ano23w]. **octree** [KSF+22, TS23]. **OECP** [YMCF23]. **off** [AB21, DVC+22, MAMK21]. **offload** [SYFT23]. **Ohmic** [SZ23, VGGP+21]. **Ohta** [CZY20]. **Oldroyd** [AGH21]. **Oldroyd-B** [AGH21]. **on-site** [CXCZ23]. **on-the-fly** [BMREC21]. **one** [BV21, FQRR22, GAJK23, GSLS20, GSV23, Hid21, HQRR20, KKM+20, KM20, KMS20b, LC24, MWJL23, OCE+23, SFBG20, TMH+23]. **one-dimensional** [BV21, Hid21, OCE+23]. **one-electron** [GSV23, SFBG20]. **one-loop** [FQRR22, HQRR20, KKM+20, KM20, KMS20b]. **one-point** [LC24]. **one-step** [MWJL23]. **OPAL** [ASA+22]. **OPAL-FEL** [ASA+22]. **Open** [GDK21, HMYH22, HKY+21, KD23, WNS+21, WSK+22, AFB+24a, ASU+21, ADF+22, ASC+21, BC20, BM22, BLN+21, BMT+20, BFI+21, BSC+21, CAWK22, CZS+21, CPL21, CW22, CKGW22, DIK+23, DNG+20, DFU20, DAA+24, DBBP23, FTZ+23, FH22, GDJG23, GKT+24, GFD+24, HSB+24, HXS20, HWL+23, HLMB24, HRG+22, Hua23, HHT+24, KGN+21, KGT22, LMHL20, LH22, MLZ+23, MBTB21, MMP+24, MFB23, MONW21, MAJ20, MVF20, MVAXP22, MRN20, Nor23, DARJ23, PM21, RZWW23, RHW+21, RJ21, SPLD20, SHB+20, SHW+21, SWTC23, TPK+21, XOTI22, YKSH20, YMCF23, YKK23b, zYCD+20, ZRZ+21, ZJS+20]. **open-ended** [YMCF23]. **Open-source** [GDK21, HMYH22, HKY+21, KD23, WNS+21, WSK+22, AFB+24a, ADF+22, ASC+21, BM22, BLN+21, BMT+20, BFI+21, BSC+21, CZS+21, CW22, CKGW22, DIK+23, DFU20, DAA+24, FTZ+23, FH22, GDJG23, GKT+24, GFD+24, HSB+24, HXS20, HWL+23, HLMB24, HRG+22, HHT+24, KGT22, LMHL20, LH22, MLZ+23, MBTB21, MMP+24, MFB23, MONW21, MVF20, MVAXP22, Nor23, DARJ23, PM21, RZWW23, RHW+21, RJ21, SPLD20, SHB+20, SHW+21, SWTC23, TPK+21, XOTI22, YKSH20, YMCF23, YKK23b, ZRZ+21]. **OpenACC** [HT24, EVMP20]. **OpenDust** [KT23]. **OpenFOAM** [CS22a, FCSP20, FA20a, FA20b, KRE22, KG21, MEC+24, NJSY22, OCC23, SN23, SWTC23, TPK+21, TGS+20, UJ21, VV21, Yan21a, YFL22, Zha20, ŻTR+22]. **OpenFOAM-based** [NJSY22]. **OpenFOAM(R)** [KFC+20, MDDI21, OXOG23]. **OpenFSI** [YSX+20].

openFuelCell2 [ZHM⁺24]. **OpenMP** [HJGL22, MBA21, SYFT23, YSMBA23, EVMP20]. **OpenMPI** [DS22].
OpenNTP [LEE⁺21a]. **OpenSANS** [MZV23]. **OpenSBLI** [LJS21].
Operating [CTPS22, KRC⁺20]. **operation** [HBM⁺24]. **operations** [BBV23, CB23]. **operator** [FKK⁺21, KSJ⁺22, KDK23, SNP⁺20, WJB21, WWB22]. **operators** [CB20, GBS⁺20, HG22, RVRT22, YT22]. **Operon** [BB24b]. **OPSimTool** [Kan23]. **optical** [AGMFGE23, AB21, BRHT21, CMS22, DIAA21, HMSV23, Kan23, MD22, OV23, SKEZ24, SLB⁺23, UÁEPGBP24]. **optics** [KGN⁺21, WMA⁺22]. **optimal** [BB21, Cas24, Gai20, JM24, KKY24, RHW⁺21, RBWD⁺24, RRM⁺23, RDZ⁺20]. **Optimisation** [TWW22, Bar22a, TV24]. **optimised** [TIG⁺24]. **optimistic** [NBCMH20]. **optimization** [AS24, CdBMdAS⁺21, CZX⁺21, FLW⁺23, FBC⁺21, HTS⁺21, KL23b, KMG⁺20, KM22, LDGN24, MTY⁺22, NCF⁺23, RdPS24, SPMS23, VHBK21, WBK⁺24, WWJ⁺22, YK21b, YNMR24, ZZC20]. **Optimized** [VTB⁺21, XOTI22, CL20, CCL⁺22, FZD⁺24, LYZL24, RdSH⁺24, TMH⁺23]. **Optimizing** [HTL⁺22, SHRK22, WSRO24, CB20, Gon22]. **OptiSMOKE** [FBC⁺21]. **optoelectronic** [DSQ23, VMRFC23]. **Orb** [LOT⁺20]. **ORB5** [NBB⁺21, OGL⁺21]. **orbit** [BKRG22, BJS⁺23, BRHT21, FBA⁺20, GOCSS⁺23, KRG21, MBA21, RVM⁺21, YHH⁺20]. **orbital** [BW23, GM20, HLCD20, MHK24, PAL⁺20, PWD22, PM21, ZRH21]. **orbital-free** [BW23, GM20, MHK24]. **orbitals** [GOCSS⁺23, SLE⁺22, ZXW⁺22]. **orbits** [JDS20, JSS⁺24, MPQ⁺22]. **order** [AIZ23, BBV⁺22, ADF⁺22, BBA23, BSC⁺21, BKG⁺23, ĆPF⁺24, CJ21, CWJ21, DBV⁺24, DFU20, DEdM24, EVMP20, EPM23, FJ22, FRN⁺23, GBS⁺20, GZW20, GH⁺22, GKT⁺24, GMZ⁺20, HWL⁺23, KBB21, KSF⁺22, KD23, LM21a, LLS⁺21, LLZ⁺22, LLY⁺22, MDP22, PMSHG23, PB23, PLF20, PG23, PCS⁺23, QWZ⁺21, RCW⁺20, SP20, SDBS24, TCY23, TSL21, VLS22, WXY20, YS22, Yan21b, YK21b, YKK23b, ZCWY20, Zho23, ZZZ⁺20, ZLS⁺22]. **ordering** [TCY23]. **ordinary** [DEdM24, MCP23]. **organic** [BMR⁺24a]. **orientation** [AE23, SJY18, SJY20]. **oriented** [ACD⁺22, BC22, CB23, DFU20, JKST22, Sha21, Soz21, YR21, YK21b]. **orthogonality** [ÖAÖ24]. **orthonormal** [DEV20]. **oscillating** [SPTPR21]. **oscillation** [GLW⁺23]. **oscillations** [Dan23]. **Oscillator** [Efr23, BDdM20, Efr21b, MSN⁺22, SKEZ24, SMGK21]. **oscillators** [FH22]. **Oslo** [MZL⁺21]. **osmo** [FFTV23]. **OSSCAR** [DBBP23]. **otebook** [VMRFC23]. **other** [ADH⁺20, KKL21, MS24, ZHM⁺24]. **OTSLM** [LSNRD20]. **out-of-equilibrium** [WWB22]. **overhead** [BGR23, VHBK21]. **overlaps** [AJDS⁺21]. **overrelaxation** [BJL⁺24]. **overset** [CS22a].

P [VMRFC23, SHS22, VMRFC23]. **P-TRANS** [SHS22]. **PACIAE** [SZY⁺22, YZL⁺23]. **Package** [GNP20, PMS20b, AGMFGE23, ASU⁺21, ASPDL⁺21, ACS⁺22, ABB23, AYI⁺24, AGK⁺23, ASC⁺21, Bag22, BA24, BYWW23, BBH⁺24, BFT20, Ber24, BWW20, Bie21, BM22, BCD⁺21, Bzo21,

CMS22, CDD22, CZWE23, CW22, DKRSR22, EBNS22, EST23, FASD20, FH22, Fon21, GAJK23, GK21, Gal22, GST21, GvdBdGN24, GBR23, HyLF23, HHVB21, HPP23, Hid21, HGS20, JWK+21, JCM20, JRS+21, JPJ+23, KH23, KRL+24, KDHL23, Kür23, Lee21b, LKK23, LCL+23, LZK+23, LYX22, LCZ+21, LM23, LZYY23, LH22, MD22, MP21, MHK24, MOMO24, MTY+22, NG21, NKP20, PAL+20, PSW23, PTD20, RHLTG+22, RHW+21, Sat21, SGM+20, SXW+20, SAS20, Sit23, SAN24, TR22, Tor20, TMH+23, TO21, UD24, VCF22, VB22a, WZZ+23, Wor20, WZPW20, WBM+24, XBL+20, YSX+20, ZYLY22, ZYL+23, ZPL+21, dSOZ22, vdHKB+23]. **packages** [SHW+21]. **packet** [Dio23]. **Padé** [PPK22]. **Pair** [AJW+21, BKBL22, JWW+23, Jia20]. **PairDiag** [LQ21]. **PairDiagSph** [LQGL21]. **pairing** [GQ22, LQ21, LQGL21]. **pairs** [ABWZ23]. **pairwise** [HAA+20, Mar22, RG21]. **PAMCARS** [ZHS+20]. **panel** [SCMP+22, SCR+22b]. **PANNA** [LPSK20]. **paper** [GDK21]. **paper-based** [GDK21]. **Parabolic** [OSE+20, ASU+21, BCGT24]. **paradigm** [MMV+24]. **Parallel** [AHM+23, ASC+24, BR20b, DS20, HMR22, Ham20b, HW24, JM24, SRT+20, ACS+22, BM20, BKP22, BGW+22, BBH+24, BB24b, BMT+20, CZS+21, CCC20, CJZ21, CHY+24, Cos22, DMS+22, DIKSN24, EVMP20, GTMB21, GAGO21, HJGL22, KF23, KHR+23, KKPC21, KDIN+23, KMM21, KSC+23, KFHR24, LBRW22, LLZ+23, LYZL24, LMHUR23, LNB23, MD20b, MW21, MAMK21, MDR+20, Nor23, OIA+20, RCB+20, RS20, SXW+20, SLZY21, SBG23, WWZ+23, XLKX21, YS22, YCC22, Yan23, YKY+22, ZAW+21, ZWZ+22, ZLMH23, ZHZG23, AACE+21, BBH+24]. **Parallel-in-time** [JM24]. **paralleling** [DRZ+21]. **Parallelisation** [UJ21]. **parallelism** [MLT+21]. **Parallelization** [DBM+24, TCD20, DFG+23, GB22, ZWP+22]. **Parallelized** [BSK+22, CGR21, KKLZ23a, LKP21]. **parameter** [GJ24, HPRS23, LWV20, SMC+22, SZ24, TSAK21, ZW20]. **parameterizations** [Kof23]. **parameters** [CL20, CFL+22, DBdFdSR21, FA21, GOST23, HHVB21, HLCD20, Jab22a, MMCC+22, NKP20, SKC21, SHRK22, TMC22, TNL+22]. **parametric** [RUV20, SKEZ24]. **parametrised** [TGS+20]. **Parametrization** [OKBM23]. **Parametrization-free** [OKBM23]. **parametrized** [AFB+24b, BDGS21]. **ParamGULP** [DBdFdSR21]. **PARCE** [OSLC21]. **Pareto** [KMG+20]. **Pareto-frontal** [KMG+20]. **PARIS** [AACE+21]. **Parrinello** [vdHKB+23]. **PARSEC** [LYC20]. **PARSIFAL** [AFB+24b]. **parsimonious** [SJ20]. **Part** [PLT+23]. **ParthENoPE** [GdSPC22]. **Partial** [Pos22, BBH+24, GHL23, HvM22, OV23, SJP21a]. **Partial-wave** [Pos22, SJP21a]. **partially** [MR22, MS24, MM23]. **Particle** [AMA+20, ANU21, DHK+21, FAL21, JCM20, KPR+24, YYC+23, ABK+22, AYWKL24, ASC+24, BCHE21, BKB+21, BC21, BTK24, BFL+22, CGSO20, CTZW23, DC22, DBH+22, DWD+24, Efr20, Efr21a, Efr23, FN21, FJ22, FTZ+23, FRN21, FA21, FYM+22, GWA+23, GH21, GSBN22, GB20, HT20, HFP21, JSS+24, KP23, KMU+23, KSC+23, LBRW22, LG21a, LMX+21,

LAD⁺²¹, LLT⁺²³, LM20, LMQ⁺²³, LYZL24, MK22, Mar22, May21, MRH⁺²³, MHP23, MLT⁺²¹, MMYU22, MPQ⁺²², MBE⁺²¹, NSY⁺²³, NR21, NBS⁺²⁰, NBB⁺²¹, NRG24, ODR⁺²², OCR⁺²², OBGA24, OAP⁺²⁴, PAM24, PYT⁺²⁴, PSMRS⁺²³, PK24, PCS⁺²⁰, RDH⁺²⁰, RZH22, RC23, SRC21, SFKC22, SLL22, STRF⁺²⁰, SWB⁺²³, SMGK21, SBP20, TV24, THH21, TWR21, TAGC22b, TGGC23, TAB⁺²², TAY⁺²⁴, Ume22, VEHCM21, WWM⁺²², WOP⁺²⁰, WS20, XBL⁺²⁰, XQ21, XHY⁺²⁴, YC20, YGSW21, YWX⁺²³, YZZ⁺²³, ZK20]. **particle** [ZRZ⁺²¹, ZDSS23, ZZC20, ZHZG23, ZLS⁺²², ATRD21, DFG⁺²³, DWD⁺²⁴, FAL20, FA21, JDD⁺²¹, KG21, OGL⁺²¹, SAC⁺²¹]. **Particle-based** [KPR⁺²⁴, HT20, TAB⁺²²]. **Particle-In-Cell** [FAL21, YYC⁺²³, ASC⁺²⁴, BCHE21, BC21, BTK24, CTZW23, DBH⁺²², FN21, FYM⁺²², LMX⁺²¹, LAD⁺²¹, MRH⁺²³, MLT⁺²¹, OCR⁺²², PSMRS⁺²³, RC23, SWB⁺²³, TWR21, Ume22, XHY⁺²⁴, YC20, YWX⁺²³, ZK20, ZDSS23, ZLS⁺²², DFG⁺²³, DWD⁺²⁴, FAL20, FA21, OGL⁺²¹, SAC⁺²¹, JDD⁺²¹, KG21]. **Particle-in-Cell/Monte-Carlo** [JDD⁺²¹]. **particle-laden** [GWA⁺²³, GB20]. **particle-laser** [LMX⁺²¹]. **particle-matter** [NBS⁺²⁰]. **Particle-number** [ATRD21]. **particle-swarm** [ZZC20]. **particles** [AGJ⁺²³, ADH⁺²⁰, FBA⁺²⁰, Kür23, LJQ⁺²², LHWX24, Nie20, RDZ⁺²⁰, SLLA22, SA23, SAC⁺²¹, TCcN23, YFL22, ZZ21a]. **Particulation** [MEH21]. **particulate** [QCZ23]. **partition** [LNB23]. **partitioning** [Xav22]. **pARTn** [PGS⁺²⁴]. **Parton** [CCMR21, SZY⁺²²]. **parts** [WBM⁺²⁴]. **PaScaL_TCS** [KKPC23]. **PaScaL_TDMA** [KKPC21, YKK^{+23a}]. **passage** [KKY24]. **Past** [Sjö20]. **patch** [ASC⁺²⁴]. **patch-based** [ASC⁺²⁴]. **Path** [PBC⁺²⁴, KDHL23]. **pathological** [HMM22]. **paths** [NA20]. **pattern** [HT24]. **patterns** [JLW24]. **Pauli** [WBvdH20, XQ21]. **Pauling** [ZHS⁺²⁰]. **Paulo** [CCG21]. **PBCAWE** [BBA⁺²⁰]. **PDE** [OIA⁺²⁰]. **PDFFlow** [CCMR21]. **PDMC** [PLT⁺²³]. **PENELOPE** [GAGO21]. **penetration** [BKB⁺²¹]. **Peng** [ZLLM23]. **PenRed** [GAGO21, OBGA24]. **pentaquark** [GBJ⁺²¹]. **Perfectly** [Pöt20, OKBM23]. **Performance** [LKP21, TBAR21, AALK20, BPMMP24, BBC⁺²⁴, BLM⁺²², BDR⁺²⁰, CZTF23, DRB22, DIKSN24, FAL20, FAL21, GAS⁺²³, HSA22, KDIN⁺²³, KMM21, KPL⁺²¹, MT23, OSK⁺²¹, OLNG21, RBFB20, SRE⁺²⁴, SSV22, WRM⁺²⁴, YJLW21, YKK23b, YLK⁺²⁰, ZMC23]. **performant** [BB24a]. **performing** [SC22, VCF22]. **peridynamics** [LC24]. **Periodic** [GVV22, HPP23, FMBD22, JDS20, LXY⁺²¹, MD20a]. **peripheral** [BCT20, BKBL22]. **Perl** [HBM⁺²⁴]. **Perl-based** [HBM⁺²⁴]. **permaFoam** [OXOG23]. **Permafrost** [OXOG23]. **permittivity** [YMCF23]. **permutation** [YLIO22, Zeb22]. **perspective** [LC24]. **Perturbation** [RTRB21, ATRD21, GBD⁺²², LACL24, SLZY21, SDL⁺²¹, TMC22, Gal22]. **perturbations** [YYC⁺²³]. **Perturbo** [ZPL⁺²¹]. **PET** [HLMB24]. **PETOOOL** [OSE⁺²⁰]. **Pfaffians** [XOTI22]. **pdf** [BBH⁺²⁴]. **pdf-parallel** [BBH⁺²⁴]. **PFLOPS** [IKM⁺²³, LWC⁺²¹]. **pgm** [WZZ⁺²³]. **pGrAdd** [WV22]. **PHARE** [ASC⁺²⁴]. **phase** [AYI⁺²⁴, Bar22a, BMM21, BBA23, BND22, BSC⁺²¹, CAWK22, CFLR24, CZY20, Dau23, EST23, ENK24,

FDPT23, KMN21, KBSL22, Kol23, KNJ⁺23, MMFdL21, NBB⁺21, PBK21, RSD20, SRT⁺20, SZ23, SFS22, TCSA21, TCY23, TQGE23, VB22b, WT22, WYT23, Yan21b, YK21a, ZCWY20, ZDG⁺21, YLK21, FLK⁺20].

phase-change [RSD20, SRT⁺20]. **phase-field** [CZY20, FDPT23, KNJ⁺23, TCY23, WYT23, YK21a, ZCWY20, ZDG⁺21].

Phase-I [YLK21]. **phase-space** [NBB⁺21, TCSA21]. **phases** [AMP⁺21, FLW⁺23, KvdW20]. **PhasicFlow** [Nor23]. **phenomena** [MP21].

phenomenology [BBH⁺23]. **phonon** [HYL⁺22, LACL24, MMP⁺24, SHS22, SLIC24, WZZ⁺23, YHY⁺21, ZPL⁺21].

phonons [PPR⁺21]. **photo** [RHW⁺21, RBWD⁺24]. **photo-excited** [RHW⁺21, RBWD⁺24]. **photoelectric** [WSK⁺22]. **photoelectrochemical** [BMI23]. **photoelectron** [BFMA⁺24, Jab22a, TB20]. **photoemission** [BYL⁺21, RMFB23]. **photoinjector** [NCF⁺23]. **Photoionization** [BFMA⁺24, HBM⁺24, TCSD24]. **photoluminescence** [BMR⁺24a]. **Photon** [Kal20, JWW⁺23, Kan23, KMS20a, LHWX24, OV23]. **photonic** [DNG⁺20, KR23, MSH22, WZZS21]. **photons** [MBG⁺20]. **Phys** [AAT⁺20, Ano20c, FAL21, MKPW22, MSHP20, Och23a, SJY20, YNV23, ZYX22].

Physalis [WS20]. **PHYSBO** [MTY⁺22]. **physical** [AM21b, JYL⁺23, WAN⁺22, YFL22, YKK23b]. **phYsicist** [UMA21].

Physics [ACD⁺22, LY22, RRC⁺24, AG21, AGJ⁺23, ABK⁺22, BLN⁺21, BC22, CB23, CGG21, DR21, EBNS22, FXZT21, FTG23, FRN⁺23, GDJG23, GFD⁺24, Kal20, KPR⁺24, Koz23, LLC⁺23, LFZ20, PAM24, PBC⁺24, RGS⁺21, RSPJ21, SRC21, SHB⁺20, SZ24, SSD⁺22, SCT21, TV24, TW21b, VEHCM21, WBF⁺24, WLL22, WAET22, XLL⁺22, XHY⁺24, ZRZ⁺21, ZDLS21].

physics-based [WAET22]. **Physics-Informed** [LY22, RRC⁺24, WBF⁺24].

physiologically [ZHZ⁺23]. **physiologically-significant** [ZHZ⁺23]. **PIC** [Gon22, LOT⁺20, MT23, MBE⁺21, YC20]. **picFoam** [KG21]. **pICNIK** [RHLTG⁺22]. **PIGE** [MMC⁺22]. **pikoe** [OYC24]. **Pilgrim** [FCTFR20].

pilot [OIA⁺20]. **pin** [Zho23]. **pin-by-pin** [Zho23]. **Pineline** [BCCM⁺24].

pipe [XLL⁺22]. **pipelined** [PP21]. **pipelines** [WAK22, WKJB23].

Pitaevskii [BKRG22, CR20, CCW20, CWJ21, GTA21, KRG21, KMR22, KPL⁺21, YSMB23]. **PittPack** [HXS20]. **PIV** [NT24]. **pKa** [SOH⁺23].

pkgPENGEOM [ASPDL⁺21]. **planar** [ZL20]. **Planck** [ZLL⁺24, ZX23, DTC20, KSJ⁺22, TCSA21, TKC⁺21]. **plane** [BR20a, FASD20, HM24, JZW⁺22, MSHP02, MSHP20, YJLW21].

plane-wave [JZW⁺22, MSHP02, MSHP20]. **plasma** [ARLDG24, BYWW23, BGW⁺22, Bel24, BL21, CTZW23, DIK⁺23, DML23, DKM⁺24, GUW⁺22, HA23, KT23, LAD⁺21, LLT⁺23, LLQ⁺23, LSW⁺20, MMP20, MRH⁺23, PG23, RSHS24, RdSH⁺24, SMC⁺22, SKYQ21, SSD⁺22, TKS22, Ume22, WRM⁺24, sXBkB⁺22, YGSW21, ZDSS23, ZGW20, ZSqXY21].

plasma-based [LAD⁺21]. **plasma-material** [MRH⁺23, YGSW21].

plasma-neutral [TKS22]. **plasmas** [BJL⁺24, BTK24, DFP⁺20, JDD⁺21, KOF21, MMYU22, SMA24, VV21, WLF⁺23, YC20, YKY⁺22, ZLL⁺24].

plasmonic [MZV23]. **plasticity** [EGLK20]. **Plateau** [LY24]. **platform** [BBV23, BLN⁺21, DBBP23, MLZ⁺23, OSK⁺21, PMA⁺21, SJY18, SJY20, ZWC⁺20]. **platforms** [BB24b, CCM20, SCF20, YJLW21]. **plethora** [FR20]. **PLQ** [BMR⁺24a]. **PLQ-sim** [BMR⁺24a]. **plugin** [PGS⁺24]. **PLUTO** [MHP23]. **PML** [XFH⁺22, ZZZ⁺20]. **pMuTT** [LWV20]. **Poincaré** [SRML20]. **point** [Ano20c, AM21a, CFBRE24, CLEPF23, CLEP24, DIAA21, FH22, Ham20b, KK16, LG21b, LC24, SSH⁺23, VZ20]. **point-group** [CFBRE24]. **PointGroupNRG** [CFBRE24]. **Pointing** [PLT⁺23]. **points** [BBA⁺20]. **Poisson** [BBA⁺20, CLVV22, DCZ23, HXS20, LSW⁺20, TS23, YKY⁺22, ZX23]. **Pol** [BDdM20]. **POLALMM** [SFBG20]. **polarizabilities** [SFBG20]. **polarizability** [Kut20]. **polarization** [MOV21]. **Polarized** [SY20, BKS24b, BAB⁺20]. **polaron** [SZ23]. **Pole** [KHKL24, AS22]. **Pole-fitting** [KHKL24]. **polyamide** [ZBS⁺23]. **polyatomic** [LHZ20]. **polyatomics** [MPZB⁺24]. **polygonal** [SVSC20]. **polyhedron** [Nis22]. **polylogarithms** [Ber24, NSU20]. **polymer** [HT24, SJ20, VvBTH20, ZBS⁺23]. **Polymers** [HPP23, ECS23, LVMGF⁺23]. **polynomial** [BND22, CCK23, GDB10, LMWW24, LYC20]. **Polyrate** [MPZB⁺24]. **ponderomotive** [BGW⁺22]. **pools** [KJL⁺23]. **POP** [ZWC22]. **population** [HFP21, RCS21]. **pore** [OSK⁺21]. **poromechanical** [CCC20]. **porous** [OSK⁺21, SFS22, YCCW23, ŻTR⁺22]. **porousMultiphaseFoam** [HRG⁺22]. **port** [BLM⁺22]. **portability** [DRB22]. **Portable** [Dür23, BB24a, DIKSN24, DBH⁺22, KDIN⁺23, MDP22, RDC⁺20, SRE⁺24, WRM⁺24, YSX⁺20]. **Portobello** [AMK24]. **posedness** [SWZ23]. **position** [PMS⁺20a]. **positive** [LS21a, SJP21a]. **positivity** [PGYF21, XDF20]. **positivity-preserving** [PGYF21]. **positron** [Dry21, HMYH22, HA23, HSO⁺22, HBM⁺24, YZW22]. **positrons** [MBG⁺20, SJP21a]. **possible** [BBA⁺20]. **Post** [AM21a, Ham20b, LR22, MPSK21, WGGC22]. **Post-processing** [AM21a, Ham20b, HTH⁺20, LR22, WGGC22]. **post-processor** [MPSK21]. **Potential** [BBB20, LWC⁺21, NRK⁺21, BDA⁺20, CCG21, DSW⁺23, DBdFdSR21, FMBD22, GCK21, LKP24, NA20, PBK21, RV20, RV21, SKS24, SVJ⁺24, Tan23, TNL⁺22, VZ20, Xav22, ZWC⁺20, ZHI23]. **potential-based** [FMBD22]. **potentials** [AB21, BCGT24, CWG⁺21, CT23, Dio23, HAA⁺20, KWK⁺21, Kar23a, LG21b, MPN⁺21, WGG20, WAET22]. **PotLib** [SVJ⁺24]. **Potts** [KW23]. **power** [SKS24, ZZ21a]. **powers** [SA23]. **PPR** [RdSH⁺24]. **Practical** [AKL⁺21, LACL24, KSIL22]. **pre** [HTH⁺20, YZZ⁺23]. **pre-processing** [YZZ⁺23]. **pre/post** [HTH⁺20]. **pre/post-processing** [HTH⁺20]. **precise** [MPSK21]. **Precision** [BHH⁺20, DS20, KAB⁺21, KGT22]. **preconditioners** [YYY22]. **preconditioning** [LJH⁺23]. **predict** [KLD⁺21]. **Predicting** [Di 22, ST23b, CW22, LDGN24, RHW⁺21, ZHS⁺20]. **prediction** [ZZ21b, ZZC20]. **predictions** [BCCM⁺24, ECS23]. **predictive** [ZZ21a]. **preliminary** [WZK⁺24]. **preparation** [GAJK23]. **presence** [AB21, THH21].

present [Sjö20]. **preserving** [CWJ21, HA21, LW24, PGYF21, SJP^{+21b}, XDF20, XQ21]. **pressure** [BTK24, CS22a, JDD⁺²¹, NJSY22, NLS24, UJ21, XZLX20]. **principal** [EGKH24, LS23, Yev21]. **principle** [Jia20]. **Principles** [NI22, AM21a, BCTS22, Dan24, KvdW20, LLS⁺²¹, LLZ⁺²², MBTB21, MPN⁺²¹, Och23a, Och23b, PB23, SDL⁺²¹, TAE⁺²¹, YI22, YJLW21]. **printing** [JLW24]. **probabilities** [DRSZ23]. **Probability** [PYT⁺²⁴, BKS24a, PLT⁺²³]. **Probability-conserved** [PYT⁺²⁴]. **probe** [AUO⁺²², AES21, YMCF23]. **problem** [Ano20c, CdBMdAS⁺²¹, ELSV24, KK16, LLH^{+21b}, SSB⁺²³]. **problems** [AG21, ACS⁺²², ATC⁺²³, BKP22, BSK⁺²², BDR⁺²⁰, CJZ21, DNG⁺²⁰, FYW23, HAM^{+20a}, JRG21, JM24, KKPC23, LYZL24, LF20, MM22, PGYF21, PPKK21, RCB⁺²⁰, Scr22a, SLC⁺²², TGS⁺²⁰, VPS23, VHBK21, VTB⁺²¹, WWZ⁺²³, YYY22, ZJ23]. **procedure** [KM23]. **Process** [RBV⁺²², GAJK23, HA23]. **processes** [CF21, DAA⁺²⁴, For22, GPD⁺²², HMSV23, HQRR20, KMS20a, MBG⁺²⁰, MT23, RCB21, SC22, WBvdH20, ZHM⁺²⁴]. **Processing** [AGH21, AM21a, DC22, Ham20b, HTH⁺²⁰, KvH21, LR22, RdSH⁺²⁴, SPTPR21, WGGC22, WICA22, WKJB23, YZZ⁺²³]. **processor** [MPSK21, OLNG21]. **processor-based** [OLNG21]. **Procrustes** [MRT⁺²²]. **product** [CCK23, GDB10, SKM⁺²¹, TWW22, XFGS24, YT22]. **Production** [AJW⁺²¹, AZH⁺²⁴, BKBL22, GBJ⁺²¹, JWW⁺²³, KOT23, YZW22]. **Professor** [Haz23]. **profiling** [Dry21, MMC⁺²²]. **Program** [AJW⁺²¹, BBA⁺²⁰, Dio23, Efr20, ADW⁺²³, BDP⁺²¹, BN20, BN23, BYL⁺²¹, BKBL22, Cas24, CGZ⁺²⁰, CGV⁺²², DDM20, FO21, FO21, Gai20, GTMB21, GM20, GJJN23, GFD⁺²⁴, GSV23, Hor23b, HHMH⁺²², HHT⁺²⁴, KKM⁺²⁰, Koł22, KM20, KMS20b, LGBJ20, LZP⁺²⁴, LQ21, LQGL21, MBJB24, MSN⁺²², MONW21, MPZB⁺²⁴, MZ22, NAZ⁺²², OYC24, PBK21, Roh22, RUV20, SLP⁺²², SMO^{+20a}, SFBG20, SLZG20, SMB20, SZT24, WGG20, WAYL23, Xav22, XWYQ21, YLH⁺²⁰, ZLLM23, ZXT22, ZBS⁺²³, ZXT23, ZJS⁺²⁰, ZZ21b, DBdFdSR21]. **programmed** [SKC21, SC22]. **programming** [EVMP20, ENK24, FLW⁺²³, Par21]. **programs** [BKR22, FN23, KSDH23, KRG21, SZ24, YSMBA23]. **project** [GAA⁺²⁰, BMREC21]. **projected** [ATRD21]. **projection** [ST23a]. **prolate** [SSB⁺²³]. **Prompt** [PYT⁺²⁴]. **propagate** [SLP⁺²²]. **propagation** [ASW22, Koz23, MHÅ21, MR22, MS24, Mau20, MD22, MZL⁺²¹, NRG24]. **propagator** [LG21a, LG21b, Nog21a, PBC⁺²⁴, RUV20]. **proper** [TGS⁺²⁰]. **Properties** [LY22, LPSK20, BSS⁺²³, BBB20, BTW20, BRHT21, DCRF23, DIAA21, DSQ23, ENK24, FO21, FGCN⁺²¹, FLK⁺²⁰, GLN23, KKPC23, KLM⁺²², LBM⁺²³, MMP⁺²⁴, Mar22, MPSK21, NAZ⁺²¹, NAZ⁺²², SMO^{+20a}, SLK23, SP23, SLDF⁺²¹, TR22, VMRFC23, WGGC22, WV22, YNV22, YNV23, YKYK23, ZLLM23]. **property** [AUEO24, MM23, MMM20, MYKC23, SJWL22]. **Prophecy4f** [DDM20]. **protein** [BBA⁺²⁰, HL21, OCK⁺²⁴, Ryd20, ZJS⁺²⁰]. **Proteins**

[HPP23, MBCC23]. **Protocol** [OSLC21, KMN21]. **proton** [Ada22, GBJ⁺21, OYC24]. **proton-proton** [GBJ⁺21]. **Prototyping** [TPS⁺24]. **provider** [FQRR22, HQRR20]. **providing** [AIZ23]. **pseudo** [CHA21, CCW20, FRN21, LBRW22, MBCC23, ZLS⁺22]. **pseudo-deterministic** [CHA21]. **pseudo-improper-dihedral** [MBCC23]. **pseudo-spectral** [CCW20, FRN21, LBRW22, ZLS⁺22]. **PseudoDojo** [TIG⁺24]. **pseudopotentials** [BTW20, NVC20, SPMS23, TIG⁺24]. **pseudospectral** [RC23]. **PSGen** [Kot23]. **PSTD** [LKP21]. **PSTD-FDTD** [LKP21]. **PSTGF** [FMCB⁺20]. **public** [AAHJ20, SLP⁺22]. **pulse** [MD22, WMM⁺24]. **pulsed** [Nie22a]. **PULSEE** [CNB⁺23]. **pulses** [BAB⁺20, Tan23]. **PUMAS** [Nie22b]. **pure** [SSD⁺22]. **pure-Python** [SSD⁺22]. **purpose** [ASPD⁺21, ABF⁺23b, DCRF23, DC22, HT20, Kot22, LVMGF⁺23, Wor20, ZWC22]. **pusher** [DML23, GH21]. **PV** [MFS⁺22]. **PWDFt.jl** [FASD20]. **PXLink** [ZBS⁺23]. **py** [BFT20, Kür23, PP23, BYWW23, BGHC23, MD22]. **Py-EFIT** [BYWW23]. **py-fmas** [MD22]. **PY-Nodes** [PP23]. **pyAPEP** [GAJK23]. **PYATB** [JPJ⁺23]. **PyBEST** [BLN⁺21, BBC⁺24]. **PyCharge** [FH22]. **PyCSP** [Gal22]. **pyDSM** [ECS23]. **pyerrors** [JKKN23]. **PyFitit** [MGG⁺20]. **PyFocus** [CMS22]. **PyFrac** [ZL20]. **Pyg4ometry** [WAN⁺22]. **pyGDM** [WMA⁺22]. **pyhf** [AKW21]. **pyHMA** [MPSK21]. **PyHoLo** [MZD⁺20]. **PyLCP** [EBNS22]. **PyLlama** [BVV22]. **pyMCD** [LKK23]. **PyMikor** [Bar22b]. **PyOECP** [YMCF23]. **PyOpenCL** [MR22]. **PyPhotonics** [TR22]. **PyProcar** [HTH⁺20, LTT⁺24]. **PyR** [SS21a]. **Pyrough** [IGL⁺24]. **pySecDec** [HJJ⁺22, HJK⁺24]. **PyStructureFactor** [SZNW23]. **pyTDGL** [Hor23a]. **PYTHIA** [KL22, Sjö20]. **Python** [AZH⁺24, AGMFGE23, ABGD⁺20, AYI⁺24, AM21a, BYWW23, BVV22, Bie21, BGHC23, BLN⁺21, BYL⁺21, CZA⁺23, CMS22, CFPS23, DCRF23, DBdFdSR21, EBNS22, ECS23, FH22, FPSZ21, Gal22, GHKW22, HS22, HHVB21, HTH⁺20, HQF⁺20, Hor23a, JKST22, JPJ⁺23, JKKN23, Kar23a, KH23, KVSC21, LKK23, LN23, LDW⁺21, LWV20, MD22, MRT⁺22, NT24, PP23, RHLTG⁺22, RGS⁺21, RSPJ21, SLP⁺22, Sch21, SLB⁺23, SP23, SSD⁺22, SLDF⁺21, SZNW23, TR22, TQGE23, TMH⁺23, VCF22, WAN⁺22, WZZ⁺23, WBK⁺24, WAK22, WMA⁺22, WV22]. **Python-based** [AZH⁺24, ABGD⁺20, SLB⁺23]. **Pythonic** [BLN⁺21]. **PyTorch** [JS24]. **pywidgets** [VMRFC23]. **PyWolf** [MR22, MS24]. **PyXtal** [FPSZ21].

Q [ZWC22]. **Q-POP-Thermo** [ZWC22]. **QBMM** [LMHL20]. **QCD** [Dür23, EVFRHR23, FFLR20, FKK⁺21, HLM22, IKM⁺23, KM20, KMS20b, WSRO24]. **QCT** [Dju20]. **QDD** [DVC⁺22]. **QDT** [KMBP24]. **QED** [BKG⁺23, MT23]. **QEHeat** [MBTB21]. **qeirreps** [MONW21]. **QERaman** [HHT⁺24]. **QISG** [BPMMP24]. **QMeS** [PSW23]. **QMeS-Derivation** [PSW23]. **QMMM** [LZP⁺24]. **qocttools** [Cas24]. **QOptCraft** [AGMFGE23]. **QPAD** [LAD⁺21]. **QPC** [ZLMH23]. **QPC-TDSE** [ZLMH23]. **Qprop** [TB20]. **QS** [UYS22]. **QSW_MPI** [MW21]. **QTRAJ** [OEI⁺22].

quadratic [Par21]. **quadrature** [GDS⁺21, GCWZ20, HFP21, LC24, MM23]. **quadrature-based** [HFP21]. **quadratures** [ST23a]. **Quantics** [Wor20]. **quantification** [KMG⁺20, TO21]. **quantitative** [BDP⁺21, Jab22a, MMC⁺22, MGG⁺20]. **Quantum** [AMK24, ASW20, AYWKL24, DHE⁺24, HTN21, KPL⁺21, KK20, MONW21, MYMK⁺21, UYS22, dBBVA20, vRCM21, AGMFGE23, ADW⁺23, ACS⁺22, BPMMP24, BTG22, CLY22, CNB⁺23, CPL21, Cas24, CDD22, DH22, Dio23, GJA21, GF23, GLB⁺21, HAM⁺20a, Hua23, KSDH23, KMBP24, LZP⁺24, MW21, MAJ20, MOY⁺22, Nog21b, OV23, PM21, PC21, RMM21, RBWD⁺24, RRM⁺23, SLLA22, SDL⁺21, SZ23, SNG20, TMH⁺23, UD24, VCHH23, WWDM20, WWJ⁺22, Wor20, WWSG24, XFGS24, YJLW21, DVC⁺22, HTN21, HHT⁺24]. **quantumfdd** [DSSW22]. **Quark** [AJW⁺21, IKM⁺23, JWW⁺23, Dju20]. **quarkonium** [OEI⁺22, YZW22]. **Quasi** [KW23, OCR⁺22, BR20b, DBH⁺22, LAD⁺21, MCP23, YZHL22]. **Quasi-exact** [KW23]. **Quasi-Helmholtz** [OCR⁺22]. **quasi-static** [BR20b, DBH⁺22, LAD⁺21]. **quasi-transport** [YZHL22]. **quasi-two** [MCP23]. **quasicrystals** [Yan24a]. **quasiharmonic** [LDW⁺21]. **quasiparticle** [BN20, BND22, BN23, SLZG20]. **quasistationary** [CF21]. **QuDPy** [SLB⁺23]. **quenching** [BMR⁺24a]. **Questaal** [PAL⁺20]. **QuGIT** [BTG22]. **quick** [SCR⁺22b]. **quickly** [FO20, FO21, ZYL⁺23]. **QuOCS** [RRM⁺23]. **qvasp** [YTC⁺20].

Rabi [MBA21, RVM⁺21]. **Rabi-coupled** [MBA21, RVM⁺21]. **Racah** [DLD⁺21]. **radial** [BA24, LGDF20, LM22, SLE⁺22]. **radiation** [ASPDL⁺21, Arn20, COJ⁺22, CZX⁺21, DRM20, DFP⁺20, GAGO21, LLH21a, LMMP23, NS20, Nie20, OBGA24, PLT⁺23, PSMRS⁺23, RDC⁺20, Sij23, WAN⁺22]. **radiations** [Roh22]. **radiative** [BKG⁺23, FXQS21, KSIL22, SJWL22]. **radio** [KM23, MMP20, PSMRS⁺23]. **radio-frequency** [KM23, MMP20]. **radioactive** [PMS⁺20a]. **RadLib** [SJWL22]. **Raman** [HHT⁺24, KSG22]. **random** [AYI⁺24, BND22, KW23, TRB⁺20a, RBV⁺22]. **random-field** [KW23]. **randomized** [LMHUR23]. **randomly** [LDGN24, YYZ⁺22]. **range** [GSBN22, HG22, VXT⁺23]. **rank** [CE22, CL22a, VPS23]. **RANS** [VLS22]. **RANSBox** [MOMO24]. **Raphson** [AG21]. **Rapid** [NSU20, BMI23, MOA24]. **rapidly** [TPCT22]. **rare** [DRSZ23, SJP⁺21b, SKC21]. **rare-event** [SJP⁺21b]. **rarefied** [CAWK22, MEC⁺24]. **rarefiedMultiphaseFoam** [CAWK22]. **Rate** [MDDI21, FCTFR20, KFC⁺20, SC22]. **rates** [HYL⁺22, LGBJ20, MPZB⁺24, SZNW23]. **rational** [AKL⁺21, DEdM24, KL20, KKL21]. **rationalization** [BWW20]. **RationalizeRoots** [BWW20]. **ray** [FXQS21, GSL⁺23, Hua24, Jab22a, MKPW21, MKPW22, Mau20, SHS22, SPF21, SBG23, WWM⁺22, WKJB23, sXBkB⁺22]. **ray-tracing** [FXQS21, SHS22]. **Rayleigh** [LY24]. **rays** [MNS⁺24]. **RC** [BKG⁺23]. **RDM** [PFG22]. **Re** [YC20]. **Re-splitting** [YC20]. **reacting** [Gal22, MLZ⁺23, NJSY22, TPK⁺21]. **reaction**

[AYB24, BB24b, FLW⁺23, GMZ⁺20, MPZB⁺24, XDF20].
reaction-diffusion [BB24b]. **reaction-diffusion-wave** [GMZ⁺20].
reactions [AHM⁺23, OYC24, SW23]. **reactive**
[AS22, ADW⁺23, CNS22, GP22, MRG22]. **reactive-flow** [CNS22].
reactivities [Xie23]. **reactor**
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reactors [TBAR21]. **ready** [SMB20]. **Real**
[MVK⁺24, NJSY22, WKJB23, BW23, DVC⁺22, DHE⁺24, HLMB24, LKP24,
MSHP02, MSHP20, OSE⁺20, SLZY21, SCF20]. **Real-fluid** [NJSY22].
real-space [BW23, DVC⁺22, LKP24, SLZY21]. **Real-Time**
[MVK⁺24, WKJB23, DVC⁺22, DHE⁺24, HLMB24, SCF20]. **realistic**
[CMS22, KGN⁺21, YCC22]. **realizable** [PLF20]. **Receiver** [CTPS22].
Reconnoitering [LSZ23]. **Reconstructing** [KL20, YYZ⁺22].
Reconstruction [DBV⁺24, OBK⁺20, AAB⁺21, AWV22, ADdM20,
ABF⁺23b, BYWW23, GOS⁺22, LNP⁺24, PMS⁺20a, RCW⁺20, SWZ23,
SS21b, TGGC23, TRN⁺24, TWW22, VLS22, YLK21, BBV⁺22]. **record**
[BIK⁺21]. **recording** [RMR⁺22]. **rectangular** [MSH22]. **recurrences**
[SRML20]. **recursive** [EGKH24, XFH⁺22]. **redistribution**
[RCS21, YGSW21]. **reduced** [BGR23, PPR⁺21, YYH21, ZSqXY21].
reduced-space [YYH21]. **Reducing** [GJA21, LWS⁺23]. **reduction**
[CHA21, KLMU21, PLT⁺23, RUV20, VHBK21, SC20]. **reductions** [GHL23].
redundant [CZB⁺23]. **refined** [LW24]. **Refinement**
[OSLC21, ASC⁺24, FAL20, FAL21, PG23]. **reflection**
[Arn20, CGV⁺22, Dan24, HMYH22, HSO⁺22]. **reflective** [KYH24].
reformulated [LSW⁺20]. **refractive** [BMR⁺24b]. **Regge** [AS22]. **regime**
[BMT23]. **regimes** [LSW⁺20, MMFdL21, YZ20b]. **region**
[HJGL22, LJH⁺23, Yan21a]. **regions** [ADH⁺20, HJJ⁺20]. **Regression**
[RBV⁺22, LM22]. **regressors** [KHKL24]. **regularization** [SKS24].
regularized [KRE22]. **reinforcement** [KKY24]. **related**
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relations [WBM⁺24]. **relationships** [ÖAÖ24]. **Relativistic**
[KKLZ23b, SLE⁺22, Bag22, BN20, BN23, BAB⁺20, DTC20, DSSW22, DH20,
GK21, KKLZ23a, Kul20, LMX⁺21, LMMP23, MGC⁺23, MHP23, Nie20,
UZB22, YZL⁺23, YNMR24, YKY⁺22]. **relativity** [CFPS23, Tor20].
Relaxation [PGS⁺24, NNMJ22]. **relaxed** [ZPZH20]. **release** [FGCN⁺21].
relevant [YGSW21]. **reliability** [AM21b, LTT⁺24]. **reliable**
[LBM⁺23, ZWC⁺20]. **removal** [GBH20]. **ReneSANCe** [BDK⁺23, SY20].
ReneSANCe-v1.0.0 [SY20]. **ReneSANCe-v1.3.0** [BDK⁺23].
Renormalisation [LS21b, DH22]. **renormalization**
[CFBRE24, CPL21, JS24, YS22]. **reordering** [Ume22]. **replica**
[RCS21, XLKX21, YLIO22]. **replica-permutation** [YLIO22].
Representation
[BFL⁺22, FKS20, RBV⁺22, CLS⁺22a, Jab24, KCS22, SXYD24].
representations [GWPW21, Gon22, IMB⁺22, LCZ⁺21, MONW21].

representing [MM23, RBV⁺22]. **Reproducibility** [RDV⁺20]. **repulsion** [CXCZ23]. **resampling** [MBE⁺21]. **research** [AMA⁺20, Di 22, DP21]. **resistive** [ZJM⁺21]. **resolution** [EGLK20, LU21, SLL22, ZRZ⁺21]. **Resolved** [WS20, CHY⁺24, LR22]. **resolving** [GSL24, GB22]. **Resonance** [BMR⁺23, AS22, CNB⁺23, FYM⁺22, HRU22, HHT⁺24]. **resonances** [GTMB21]. **resonators** [Hoh24, JYL⁺23, WAYL23]. **RESPACK** [KMY⁺23, NYN⁺21]. **response** [ACD⁺22, BM22, BND22, SLZY21]. **responses** [SLB⁺23]. **REST** [ACD⁺22]. **REST-for-Physics** [ACD⁺22]. **restricted** [YM21]. **restructuring** [TDR⁺20]. **results** [KOT23]. **resummation** [ABB⁺22]. **Rethinking** [SWZ23]. **reticulated** [SFKC22]. **retQSS** [SFKC22]. **reuse** [CCC20]. **reverse** [BRAC23, HT24]. **reversible** [KP23]. **revertible** [Nie23]. **revised** [ZZC20]. **Revisiting** [YZL⁺23]. **revolutions** [GdSPC22]. **REvolver** [HLM22]. **reweighting** [SJP⁺21b]. **Reynolds** [MD21, MOMO24]. **Reynolds-averaged** [MOMO24]. **RF** [BGW⁺22, SS22]. **RF-transpond** [BGW⁺22]. **RGB** [GOS⁺22]. **RGE** [DH22]. **RHEED** [DZZ21, Dan23, HMYH22]. **rheology** [ECS23]. **rheometer** [SPTPR21]. **RI** [BMR⁺24b]. **RI-Calc** [BMR⁺24b]. **rich** [ABK⁺22]. **RichardsFoam** [Org22]. **RichardsFoam3** [Org22]. **Riemann** [CK20b, LMMP23]. **Riemann-Theta** [CK20b]. **Rigid** [OAP⁺24, SXYD24]. **Rigidity** [HS22]. **rigidPy** [HS22]. **rigorous** [MZL⁺21]. **RMC** [LHWX24]. **RMT** [BAB⁺20]. **Robust** [AAE⁺21, SBP20, IUJ21]. **rocking** [DZZ21]. **rocks** [XBL⁺20]. **Rode** [MMC⁺21]. **rogue** [WXY20]. **ROOT** [ACD⁺22, TPS⁺24]. **ROOT-based** [ACD⁺22, TPS⁺24]. **roots** [BWW20]. **Rosenbluth** [KSJ⁺22]. **RoseNNA** [BB24a]. **rotating** [BJL⁺24, GTA21, MBA21, TPCT22]. **rotation** [CCW20, CWJ21, LZ21]. **rotational** [BGHC23, GTMB21, WGS⁺22, dVAR⁺24]. **rotational-vibrational** [GTMB21]. **rough** [IGL⁺24, YYZ⁺22]. **routine** [MN21]. **routines** [HW22, KOT23, SSH⁺23]. **RPCs** [DBM⁺24]. **RS** [RBV⁺22]. **RS-HDMR-GPR** [RBV⁺22]. **RTGW2020** [PWD22]. **rules** [CS22b, DPR⁺20, DRR⁺24, Nog21b, ZHS⁺20]. **runaway** [DTC20, HEF21]. **Runge** [KBSL22, KFC⁺20]. **running** [HLM22]. **Rutherford** [LGK⁺22]. **Rydberg** [MMV⁺24]. **RyDIQule** [MMV⁺24].

S [CCK23, VMRFC23, LW24, MZV23, YK21a]. **S-FDTD** [LW24]. **S-SAV** [YK21a]. **S3D** [MEH21]. **SAFARI** [JS22]. **safety** [KJL⁺23]. **Salpeter** [ZAW⁺21]. **samples** [IGL⁺24, ZDLS21]. **Sampling** [CK20b, KvH21, RBV⁺22, AM21b, Gon22, HSMR⁺24, SJP⁺21b, TCcN23, XLKX21]. **SANCphot** [BKS24b]. **SANTA** [KJL⁺23]. **São** [CCG21]. **Sar** [ST23b]. **Sarkas** [SSD⁺22]. **SAT** [MKHT20]. **satellites** [SCMP⁺22, SCR⁺22b]. **SATLAS2** [GvdBdGN24]. **saturated** [HRG⁺22]. **saturated/unsaturated** [HRG⁺22]. **saturation** [UYS22]. **SAV** [GZW20, WYT23, YK21a]. **Savart** [SSH⁺23]. **SBETHE** [SA23]. **scalability** [BGR23]. **Scalable** [LYC20, PPKK21, DTC20, DC22, HAA⁺20, KKPC21, MAJ20, OCK⁺24, OLNG21, YCC22]. **scalar**

[ABH⁺23, BBH⁺23, CS22b, FFTV23, MCMS24, WYT23, YK21a].
scalar-tensor [MCMS24]. **scale**
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 GSL24, GB22, HXS20, HRG⁺22, HSA22, KKPC23, KFHR24, LBRW22,
 LKP21, LZK⁺23, LG23, LU21, MDR⁺20, OSK⁺21, PLT⁺23, RL21, SBZ23,
 TPCT22, VTB⁺21, WA21, YCC22, YJLW21, YGSW21, ZMC23].
scale-resolving [GSL24, GB22]. **scale-separated** [TPCT22]. **scaled**
 [BR20a]. **scales** [TAB⁺22]. **scaling**
 [BR20a, CXCZ23, RDZ⁺20, SLZY21, Zeb22]. **scan** [SZ24]. **scanning**
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 GJJN23, Hal21, HYL⁺22, HJK⁺24, HBM⁺24, Jab22b, Jab24, JS22, KC21,
 KRL⁺24, MJB24, PBK21, RCB21, Roh22, SJP21a, SMB20, YYZ⁺22].
SCELib4.0 [SMO⁺20a]. **SELT** [MG22]. **scheme** [ADdM20, CZY20, FN21,
 Gai20, GDS⁺21, GMZ⁺20, Kul20, KBSH20, LSW⁺20, LHC20, LHG24,
 LLH⁺21b, MM23, MRN20, PLF20, PGYF21, Sij23, Tan23, THH21, WJB21,
 WDMZ24, XZLX20, Yan21b, YZ20b, ZCWY20, ZWP⁺22, ZPL⁺24].
schemes [CWJ21, GZW20, KBSL22, LM21a, LW24, SP20, SBZ23, ZX23].
Schrieffer [PTD20]. **Schrödinger**
 [BV21, BCGT24, BAB⁺20, DSSW22, GTA21, GSLS20, Koz23, Pöt20, RS20,
 SGS23, SP20, Scr22a, SCL22, WXY20]. **Schrödinger-like** [Scr22a].
Schrödinger-type [Pöt20]. **science** [DBBP23, HJM⁺20, XLG⁺23]. **sciences**
 [BMREC21]. **scientific** [PMA⁺21, PP21, WICA22]. **scintillating** [AAB⁺21].
Scott [Haz23, JLW24]. **Scrape** [MAMK21]. **Scrape-Off** [MAMK21]. **scripts**
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 [ANU21]. **search** [BFD22, GUAD22, LS23, VZ20, YK21b, ZHS⁺20].
searches [WBK⁺24]. **searching** [Gai20, LKK23, PP23, XSM22]. **Second**
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 ZCWY20, ZZZ⁺20]. **second-degree** [WJB21]. **Second-order**
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self-avoiding [WGS⁺22]. **Self-Consistent**
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Self-optimization [LDGN24]. **Semi**
 [Ein20, Mau20, BTK24, BAB⁺20, BKG⁺23, HPAW21, KBB21, KVSC21,
 MMCC⁺22, PLT⁺23, RRC⁺24, SN23, SRE⁺24, TKS22, MZV23].
semi-analytic [PLT⁺23]. **Semi-analytical** [Mau20, MZV23].
semi-bounded [HPAW21]. **semi-empirical** [KVSC21, MMCC⁺22].
semi-implicit [BTK24, KBB21, SN23, TKS22]. **semi-inclusive** [BKG⁺23].

semi-infinite [RRC⁺24]. **Semi-Lagrangian** [Ein20, SRE⁺24].
semi-relativistic [BAB⁺20]. **semiclassical** [GLB⁺21]. **semiconductor**
 [BMI23]. **semiconductor-liquid** [BMI23]. **semiconductors**
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semitransparent [FXQS21]. **sensitivity**
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 [Ano20y, Ano21x, Ano22x, Ano23x]. **Seq** [WYZZ23]. **Seq-SVF** [WYZZ23].
sequential [Par21, Yan23]. **serial** [KFHR24]. **Series**
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 HWAA22, JZW⁺22, XHY⁺24, YYH21, YJLW21, YZZ⁺23]. **SFQEDtoolkit**
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 [DS22, STA20]. **Sham** [JZW⁺22, LG23, YT23]. **SHAPE** [ANU21, ANU21].
shaped [LNB23]. **shared** [EVMP20, MLT⁺21, ZWZ⁺22]. **shared-memory**
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 [MAJ20]. **ShengBTE** [HYL⁺22, MPN⁺21]. **shield** [COJ⁺22]. **shielding**
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short-range [GSBN22, VXT⁺23]. **shortcut** [ZHS⁺20]. **Shortest** [KDHL23].
shot [TCcN23]. **shot-noise** [TCcN23]. **Shower** [LAC21, BP21, Roh22].
Showers [ABF⁺23b]. **SIDES** [BDA⁺20]. **SIDIS** [BKG⁺23]. **SIDIS-RC**
 [BKG⁺23]. **SIESTA** [Soz21]. **signal** [ADH⁺20, ABF⁺23b, MD22]. **signals**
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 Sat21, WT22, Xie23, ZZZ⁺20, ASW20]. **SimpleBounce** [Sat21]. **simplex**
 [DBV⁺24, PP23]. **simplification** [ANU21, Gal22]. **simplified** [CLEPF23].
Simplifier [LS21b]. **simplifying** [XWYQ21]. **simulate**
 [BFI⁺21, DBM⁺24, GSBN22, LGK⁺22, MD20b, SHS22, ZWZ⁺22].
simulated [MMFdL21, TRN⁺24]. **Simulating**
 [DG20, Gar21, PMSHG23, BMR⁺24a, BFT20, BM22, MHÅ21, MR22, MP21,
 PD23, Sch21, SCL22, SJY18, SJY20, TLC⁺21, TMH⁺23, XFH⁺22].
Simulation [CMJC21, CJ21, EMM⁺23, KHR⁺23, RMM21, RdSH⁺24,
 WXW⁺21, ABGD⁺20, ARLDG24, ASPDL⁺21, AFB⁺24b, ASC⁺21, Bak23,
 BCF⁺24, BMSP21, BB24b, BKO20, BMT⁺20, BLM⁺22, BKS24b, BCD⁺21,
 BYL⁺21, BKBL22, CNB⁺23, CCM20, CE22, CLZ⁺21, CSBF23, DML23,
 DBR24, Ein20, EOR21, FTZ⁺23, FGCN⁺21, FN23, FYM⁺22, GLW⁺23,
 GWA⁺23, GBD⁺22, GB20, GP22, HT20, HMSV23, HSA22, JS22, JDD⁺21,
 KTF22, Kan23, KF23, KMBP24, KGT22, Kul20, KNJ⁺23, LBS⁺23, LKP21,
 LLT⁺23, LLC⁺23, LZK⁺23, LY24, LLL24, LJQ⁺22, LWC⁺21, MW21,
 MHK24, MAMK21, MRG22, MDZ24, NS20, NSY⁺23, Nie20, Nie22a, NRG22,

OV23, PMA⁺²¹, PK24, PFG22, QCZ23, RSD20, RDH⁺²⁰, RMCC22, RCB21, RS20, SRT⁺²⁰, SD24, SRC21, SFKC22, SNP⁺²⁰, SJ20, SKYQ21, SS22, SLIC24, SPF21, STRF⁺²⁰, SWTC23, TL20, TAB⁺²², TCcN23, eSdSBST21]. **simulation** [VCHH23, WICA22, WAK22, WLF⁺²³, XBL⁺²⁰, XHY⁺²⁴, YCC22, YYC⁺²³, YSX⁺²⁰, YC20, YR21, ZMC23, ZK20, ZHI23, ZBS⁺²³, ZZ21a, ZYX22, ZYX22, ZJS⁺²⁰, ZGW20, dSOZ22, SGM⁺²⁰]. **simulations** [AHP21, AALK20, BL21, BTK24, BCTS22, BR20b, BC22, BGR23, CLY22, CB23, CGSO20, CTZW23, CZTF23, CHY⁺²⁴, CF21, Cos22, CJD⁺²⁰, CNS22, Dan23, DTGE21, DWD⁺²⁴, DAA⁺²⁴, DKM⁺²⁴, FN21, FDPT23, FRN⁺²³, FFTV23, FH22, FFLR20, GAJK23, GSL24, Gon22, GB22, GAS⁺²³, GMZ⁺²⁰, Hal21, Ham20b, HTL⁺²², HyLF23, HEF21, IGL⁺²⁴, JGJ20, KPR⁺²⁴, KBSL22, KSJ⁺²², KP23, KGN⁺²¹, KPL⁺²¹, KMG⁺²⁰, KYH24, LBRW22, LBM⁺²³, LAD⁺²¹, LZP⁺²⁴, LM20, MMM23, MKPW21, MKPW22, MLZ⁺²³, MBH21, MEH21, MVF20, MBE⁺²¹, NJSY22, Nor23, OCK⁺²⁴, OGL⁺²¹, OCC23, OBGA24, OSK⁺²¹, PCS⁺²⁰, RSC⁺²², RCB⁺²⁰, RSHS24, RdPS24, RL21, SLL22, SJ21, SDXY23, Sij23, SBZ23, SWB⁺²³, TKC⁺²¹, TSJ⁺²¹, TPK⁺²¹, TNL⁺²², Ume22, VPPQ21, VXT⁺²³, VV21, VGGP⁺²¹, VSM⁺²², VvBTH20, WWM⁺²², WDMZ24, WA21, WOP⁺²⁰, WMA⁺²², WS20]. **simulations** [WWJ⁺²², Wor20, WRM⁺²⁴, WS23, YFL22, YJLW21, YTC⁺²⁰, YWX⁺²³, ZDSS23, ZLL⁺²⁴, ZSqXY21]. **Simulator** [AACE⁺²¹, BSG⁺²¹, FCTFR20, HMYH22, HLMB24, MFS⁺²², SKEZ24, XFGS24, ZL20]. **simultaneous** [KF23]. **simultaneously** [TQGE23]. **Single** [DFG⁺²³, PAZ⁺²², BW23, CFLR24, CL20, LG21a, SHRK22, SW23, TWR21, SMO^{+20a}]. **single-file** [LG21a]. **single-grid** [BW23]. **single-ion** [TWR21]. **single-nucleon** [SW23]. **single-phase** [CFLR24]. **Single-step** [PAZ⁺²²]. **Singular** [Gal22, KFHR24, WT22, BBH⁺²⁴]. **Singular/GPI** [BBH⁺²⁴]. **Singular/GPI-Space** [BBH⁺²⁴]. **SIRF** [OBK⁺²⁰]. **site** [CXCZ23, ZLV23]. **sites** [HHMH⁺²²]. **six** [SRE⁺²⁴]. **size** [HFP21, PLSB22, WBM⁺²⁴]. **size-velocity** [HFP21]. **sized** [Che23]. **SKMF** [GTE21]. **SkyAx** [RSM21]. **Skyrme** [CLS^{+22a}, MSN⁺²²]. **skyrmion** [IUJ21]. **slabs** [MCP23]. **SLC** [AJW⁺²¹]. **slender** [LBS⁺²³]. **SLEPc** [DNG⁺²⁰]. **slip** [SN23]. **SLJCompact** [BMI23]. **slope** [NLS24]. **slope-dependent** [NLS24]. **Slow** [XQ21, LJQ⁺²²]. **small** [LLC⁺²³, ST23b, WBM⁺²⁴, ZLMH23]. **small-size** [WBM⁺²⁴]. **SmeftFR** [DPR⁺²⁰, DRR⁺²⁴]. **Smirnov** [Efr21b]. **SMIwiz** [Yan24b]. **SModelS** [AKW21, ADH⁺²⁰]. **Smoothed** [AMA⁺²⁰, JCM20, AYWKL24, FRN21, KP23, LMQ⁺²³, LYZL24, ODR⁺²², RZH22, ZRZ⁺²¹, ZHZG23]. **smoother** [AGJ⁺²³]. **smoothing** [SL22]. **SOD2D** [GSL24]. **Soft** [SPMS23, TNL⁺²², MOA24]. **SOFTSUSY** [AAT⁺²⁰, AAT⁺¹⁴]. **Software** [BWW20, CTPS22, GBR23, KvdW20, MHÅ21, Nis22, Sha21, AMP⁺²¹, AAG⁺²⁴, ACKB23, ASC⁺²¹, BMR⁺²³, BMR^{+24b}, BMT⁺²⁰, CNB⁺²³, CW22, DvHSdS22, DIKSN24, DKRSR22, EGKH24, FLK⁺²⁰, GAJK23, GO23, GPM⁺²¹, HAM^{+20a}, HGS20, KWK⁺²¹, KSG22, KDIN⁺²³, MMP⁺²⁴, MGG⁺²⁰, MZL⁺²¹, MZD⁺²⁰, MOMO24, MYM⁺²², NKP20, PAM24, PRR23, RDH⁺²⁰, RHW⁺²¹, SHB⁺²⁰, SHS22,

SJY18, SJY20, TL20, TO21, VB22a, WV22, WS23, YKSH20, YR21, YMCF23, ZPL⁺²¹, ZLV23, vdHKB⁺²³, vTDGCR21]. **SOL** [MAMK21, YHH⁺²⁰]. **SOL/divertor** [YHH⁺²⁰]. **solar** [MFS⁺²²]. **solar-cell** [MFS⁺²²]. **Solid** [PTD20, AMP⁺²¹, ONH⁺²⁰, PB23, RSD20, SRT⁺²⁰, UO20, XZLX20]. **solid-liquid** [RSD20, SRT⁺²⁰]. **solidification** [SYFT23, ZDG⁺²¹]. **solids** [BR20b, BFI⁺²¹, DSQ23, FXQS21, GBR23, KRL⁺²⁴, Och23a, Och23b, RDV⁺²⁰, WGGC22]. **solitons** [GMZ⁺²⁰]. **solute** [HRG⁺²²]. **Solution** [AIZ23, DvHSdS22, AE23, BBA⁺²⁰, CKT21, CLEPF23, CLEP24, Flo24, GSL20, GQ22, LF20, MSN⁺²², MPN⁺²¹, MNS⁺²⁴, OKBM23, PPR⁺²¹, QWZ⁺²¹, YNMR24, CLEPF22]. **solutions** [AMP⁺²¹, Bak23, GF23, LWhK⁺²⁰, LHTP⁺²⁴, NI22, SSB⁺²³, SCL22, VFS23, YZ20b]. **solvation** [DCZ23]. **solve** [BKR22, CLEPF23, DH22, HAM^{+20a}, WGG20]. **Solver** [ASW20, GKIB21, MYMK⁺²¹, TCSA21, AFB^{+24a}, ADF⁺²², BMSP21, BMS⁺²³, BMI23, BBA23, BSC⁺²¹, CLS^{+22a}, Cos22, DTC20, DAC⁺²³, DS22, DFP⁺²⁰, DBV⁺²⁴, DP21, DdCAG23, EGLK20, FXQS21, FTZ⁺²³, FRN⁺²³, FMBD22, FA21, GTA21, GSL⁺²³, GDJG23, GWA⁺²³, GLPG⁺²³, GHL⁺²², HPAW21, HXS20, HWAA22, IKM⁺²³, JMOC21, JKSY22, Kar22, KR23, KKPC23, KGN⁺²¹, KFPV21, KG21, KD23, LMHL20, LMX⁺²¹, MMP20, MEC⁺²⁴, MEDT⁺²³, MSY⁺²¹, MKHT20, MOY⁺²², MBA21, MZV23, OEI⁺²², OXOG23, OCE⁺²³, PD23, RVM⁺²¹, Di 22, RJ21, RCW⁺²⁰, STA20, SGS23, SLC⁺²², SWTC23, UYS22, VLS22, VV21, WWB22, WHB21, WWZ⁺²³, WKR23, WMSG24, XOTI22, XLG⁺²³, Yan21a, YFL22, YCCW23, YKK23b, ZLMH23, ZWC22, ZTR⁺²², GMPG⁺²¹, KOF21, DFU20]. **Solvers** [JRS⁺²¹, BW23, CB23, EVMP20, EPM23, FA20a, FA20b, KKPC21, LMMP23, OIA⁺²⁰, zYCD⁺²⁰, YKY⁺²²]. **Solving** [BAB⁺²⁰, LZ21, ZAW⁺²¹, ZGW20, ASU⁺²¹, ABBD23, ATC⁺²³, BJJ⁺²⁴, BKP22, BDR⁺²⁰, HWL⁺²³, JZW⁺²², KRG21, KSF⁺²², LQ21, MM22, Scr22a, TS23, XDF20, XSL⁺²², YZW21, YKK^{+23a}, YSMBA23]. **SOM** [KM22]. **SOMAFOAM** [VV21]. **Sommerfeld** [Arn20]. **Sommerfeld-type** [Arn20]. **sonic** [EOR21]. **sonic-boom** [EOR21]. **source** [AFB^{+24a}, ASU⁺²¹, ADF⁺²², ASC⁺²¹, BC20, BM22, BLN⁺²¹, BMT⁺²⁰, BFI⁺²¹, BSC⁺²¹, CAWK22, CZS⁺²¹, CW22, CKGW22, DIK⁺²³, DFU20, DAA⁺²⁴, FTZ⁺²³, FH22, FYM⁺²², GDK21, GDJG23, GKT⁺²⁴, GFD⁺²⁴, HMYH22, HSB⁺²⁴, HXS20, HWL⁺²³, HLMB24, HRG⁺²², HKY⁺²¹, Hua23, HHT⁺²⁴, KGN⁺²¹, KGT22, Koz23, KD23, LMHL20, LH22, MLZ⁺²³, MBTB21, MMP⁺²⁴, MFB23, MONW21, MVF20, MVAXP22, MRN20, Nor23, PMS^{+20a}, DARJ23, PM21, RZWW23, RHW⁺²¹, RJ21, SPLD20, SHB⁺²⁰, SHW⁺²¹, SWTC23, THH21, TPK⁺²¹, WNS⁺²¹, WSK⁺²², XBL⁺²⁰, XOTI22, YKSH20, YMCF23, YKK23b, ZRZ⁺²¹, ZJS⁺²⁰]. **sources** [COJ⁺²²]. **Space** [MYMK⁺²¹, BW23, CLS^{+22a}, DBM⁺²⁴, DVC⁺²², GJ24, GMZ⁺²⁰, HHT22, JLL⁺²⁴, KKLZ23a, KKLZ23b, Kot23, LKP24, LCZ⁺²¹, LZYY23, LR22, MS24, MMP20, MSHP02, MSHP20, NBB⁺²¹, SLZY21, SZ24, TCSA21, XHY⁺²⁴, YYH21, ZW20, ZWP⁺²², YKY⁺²², BBH⁺²⁴]. **space-**

[LR22]. **space-charge** [DBM⁺24, KKLZ23a, KKLZ23b]. **space-fractional** [JLL⁺24]. **SpaceGroupIrep** [LCZ⁺21]. **spaces** [HPRS23, SKM⁺21, Zeb22]. **sparse** [DGM20, DFG⁺23, KKL21]. **SPARTACUS** [FTZ⁺23]. **Spatial** [HJGL22, BC21, MM23]. **spatial-grid** [BC21]. **spatially** [CHY⁺24, KFHR24]. **spatiotemporal** [GPN20, PSMRS⁺23]. **SPEC** [MPQ⁺22]. **Special** [GH21, LVMGF⁺23]. **species** [CJD⁺20, KDK23, SNP⁺20, WV22, YKYK23]. **specific** [SDBS24, ZDG⁺21]. **spectra** [GBD⁺22, Hua24, HHT⁺24, KSG22, LGK⁺22, MGG⁺20, Pos22, RMFB23, TB20]. **Spectral** [CdBMdAS⁺21, CZS⁺21, CCW20, FRN21, GTA21, LBRW22, LZ21, LS22, MCB⁺20, NI22, SL22, SLZG20, SLL22, SWZ23, WLL22, WKR23, ZLS⁺22, GSL24]. **spectral-Galerkin** [GMZ⁺20]. **spectral/hp** [MCB⁺20]. **spectrometer** [SPF21]. **spectroscopic** [CK23]. **spectroscopy** [Jab22a, KMBP24]. **spectrum** [KMU⁺23, NS20, SKS24]. **SpectrumSDT** [GTMB21]. **specular** [Dan24]. **speed** [BL21, CKGW22, DBV⁺24, KMN21, LHG24, OCC23]. **Speedup** [BR20a]. **spent** [KJL⁺23]. **SPH** [CFLR24, HMR22, MEDT⁺23, MDZ24, OSK⁺21]. **SPH-based** [MEDT⁺23]. **SPHERA** [AMA⁺20]. **sphere** [YYH21]. **spherical** [CCK23, DHK⁺21, GDB10, GCK21, LEE⁺21a, LQGL21, QCZ23, SDBS24, TKC⁺21, ZZ21a, dMMLOS20]. **spheroidal** [SSB⁺23]. **spheropolyhedral** [QCZ23]. **spheropolyhedral-based** [QCZ23]. **SPHinxsys** [ZRZ⁺21]. **Spin** [RVM⁺21, BKRG22, BPMMP24, BRHT21, CZTF23, CL22b, GF23, GOCSS⁺23, GBD⁺22, IUJ21, JRG21, KRG21, KL22, KL23a, LL23, LR22, MBA21, QJ21, SZ23, TMH⁺23, UYS22, VCHH23, Yev21, VMRFC23]. **spin** [BKRG22]. **Spin-1** [RVM⁺21, KRG21, MBA21]. **spin-boson** [SZ23]. **spin-glass** [JRG21]. **spin-half** [TMH⁺23]. **spin-one** [TMH⁺23]. **spin-orbit** [BKRG22, BRHT21, GOCSS⁺23, KRG21]. **spin-orbit-** [MBA21, RVM⁺21]. **spin-resolved** [LR22]. **spin-wave** [GBD⁺22]. **Spinney** [AM21a]. **spinor** [SCL22]. **Spinsim** [TMH⁺23]. **SPIRAL** [dVAR⁺24]. **spline** [WGG20]. **Splines** [KWK⁺21]. **split** [SAC⁺21, YYY22]. **splitting** [BCGT24, DWD⁺24, Yan24a, YC20]. **SporTran** [EBBB22]. **SPP2** [CCG21]. **square** [BRAC23, BWW20, GST21]. **squared** [PAM24]. **SQuIDS** [ASW20]. **SRC** [COJ⁺22]. **SRC-UNED** [COJ⁺22]. **stability** [FFLR20, PCS⁺23, SKDH24, SFC20, TQGE23]. **Stabilized** [AGH21, YK21a]. **stabilized-scalar** [YK21a]. **stable** [BVV22, GZW20, HSA22, KSF⁺22, LWk⁺20, LM21a, PRR23, YWTK23, Yan24a, ZCWY20]. **staggered** [ZLS⁺22]. **Stan** [Haz23]. **standalone** [AAB⁺21, RL21]. **Standard** [Bie21, AFJ⁺23, KHKL24, Kar23b, DPR⁺20, DRR⁺24, DDM20, HQRR20, UMA21]. **standardized** [BMREC21]. **stars** [VGGP⁺21]. **state** [AS22, ABWZ23, CR20, ENK24, GO23, KMM21, KM20, KMS20b, KW23, LWS⁺23, PTD20, SKM⁺21, Xav22, YZ20b]. **state-of-the-art** [KM20, KMS20b, SKM⁺21]. **state-to-state** [AS22]. **states** [BFD22, BTG22, CF21, DDM20, GTA21, GF21, GWPW21, GTMB21, LKK23, LU21, LR22, MDP22, PTD20, QJ21, SLZG20, TCSD24, XFGS24, YLL⁺22].

static [BR20b, DBH⁺22, JRS⁺21, LAD⁺21]. **Stationary** [GTA21, MDZ24, VZ20]. **statistical** [BKS22, Gon22, MZL⁺21, MNS⁺24, Ols23]. **steady** [HJGL22, LJH⁺23, YYY22, YZ20b]. **stellarator** [KBH⁺24]. **step** [AYB24, HPY21, MWJL23, PAZ⁺22, SL22, ACKB23]. **stepping** [CJZ21, NBCMH20, WJB21, ZX23]. **steric** [DCZ23]. **SternheimerGW** [SLZG20]. **stiffness** [XSL⁺22]. **stochastic** [CHY⁺24, FJ22, FTZ⁺23, KM22, MW21, RdPS24, WLF⁺23]. **stochasticity** [GTE21]. **Stokes** [ZX23, BMS⁺23, DAC⁺23, HPY21, HWL⁺23, JM24, KSF⁺22, LGDF20, MOMO24, WT22]. **Stopping** [SA23, HHMH⁺22]. **strain** [Che24, LLZ⁺22, XZLX20]. **strain-stress** [LLZ⁺22]. **Strategies** [MBE⁺21, AWW22, CZX⁺21, KMM21, VXT⁺23]. **strategy** [TCSA21, ZWZ⁺22]. **stratified** [Hoh24]. **STREAM** [CKC⁺21, CL21]. **streamer** [MHÅ21]. **STREAMs** [BMSP21, BMS⁺23]. **STREAMS-2.0** [BMS⁺23]. **stress** [CT23, EGKH24, LLZ⁺22, ZRH21]. **stress-fluctuation** [CT23]. **stretched** [RVRT22]. **string** [KL22]. **StringSpinner** [KL22, KL23a]. **Strong** [HMSV23, AG21, BGR23, GHL⁺22, MT23, ZLMH23]. **strong-field** [MT23]. **strongly** [BDR⁺20, GBS⁺20]. **structural** [BDP⁺21, NNMJ22]. **Structure** [BLN⁺21, BGHC23, BGR23, ČPF⁺24, CWJ21, DSQ23, FASD20, FPSZ21, GK21, GO23, HTS⁺21, HY23, HTH⁺20, HSO⁺22, HLzY⁺20, JMOC21, JPJ⁺23, LBS⁺23, LS23, LLT⁺23, MKPW21, MKPW22, MFB23, MSM24, NG21, NVCS23, PAL⁺20, PPKK21, SZNW23, TCY23, TRB⁺20a, VSM⁺22, WZZS21, WBK⁺24, XQ21, YSX⁺20, YHY⁺21, zYCD⁺20, ZZ21b, ZZC20, ZHM21]. **structure-preserving** [CWJ21, XQ21]. **Structured** [LSNRD20, LJS21, MBCC23, PMSHG23]. **structures** [AS22, ASPDL⁺21, DNG⁺20, HLCD20, IMB⁺22, LBS⁺23, LXY⁺21, LLQ⁺23, MYM⁺22, MRG22, RL21, SLZG20, SJ20, TDR⁺20, ZHS⁺20, vTDGCR21]. **studies** [CGG21, GLSH21, LSF23, LFZ20, SZ23]. **Studio** [NKP20]. **Study** [RDZ⁺20, THH21, AGMFGE23, NS20, NBB⁺21, SKM⁺21, XLL⁺22, ZDG⁺21, ZBS⁺23]. **studying** [BPMMP24, May21, SC22]. **style** [Ham20b, WBK⁺24]. **SU3lib** [DLD⁺21]. **sub** [SZ23, YLIO22, ZYG21]. **sub-critical** [ZYG21]. **sub-Ohmic** [SZ23]. **sub-permutation** [YLIO22]. **subatomic** [AGJ⁺23]. **subdomains** [SVSC20]. **Subprograms** [HW22]. **Subsidiary** [GKIB21]. **subspace** [HKY⁺21]. **Subsystem** [MSG⁺21]. **subtraction** [LMWW24, LM20]. **successful** [YHH⁺20]. **successive** [BJL⁺24]. **SudoDEM** [ZZ21a]. **suite** [ADW⁺23, BPMMP24, HBM⁺24, KLM⁺22, MEC⁺24, MBG⁺20, RDH⁺20, RRM⁺23, SSD⁺22]. **SUKI** [NUK⁺22]. **summation** [XWYQ21]. **Sunway** [CLZ⁺21]. **super** [TIG⁺24]. **super-heavy** [TIG⁺24]. **supercomputer** [RCS21]. **supercomputers** [GB22, KMM21, Kul20]. **superconducting** [BM22, JYL⁺23]. **superfluid** [JRS⁺21, VB22b]. **superlattices** [NNMJ22]. **supermultiplet** [PDD24]. **SuperScreen** [BM22]. **Supersonic** [BMS⁺23, BBV⁺22]. **superstructure** [PTD20]. **supersymmetric** [KMU⁺23, Bie21]. **Support** [CZ21, WWDM20, ZW20, SPF21]. **supporting** [ABF⁺23b]. **Surf** [PMS20b].

surface [CFLR24, HSO⁺22, LGDF20, LMQ⁺23, PRR23, SXYD24, SVJ⁺24, WA21, WNS⁺21, ZHZG23]. **surfaces** [CGR21, IGL⁺24, Org22, PMS20b, RV20, RV21, SD24, TGBM22, VZ20, WGS⁺22, XDF20, YYZ⁺22]. **surfactant** [WYT23, YK21a, ZCWY20]. **Surfing** [PMS20b]. **surrogate** [SMC⁺22]. **survey** [WRM⁺24]. **SuSpect3** [KMU⁺23]. **Susskind** [Dür23]. **SVF** [WYZZ23]. **SWANLOP** [AB21]. **swarm** [TV24, ZZC20]. **swift** [SA23]. **swifter** [ZGZW23]. **switchable** [MBCC23]. **Symbolic** [GDB10, CLS22b, CB20, MG22, PSW23, CCK23]. **symbols** [XWYQ21]. **symmetric** [DEV20, SJY18, SJY20, zYMK⁺21, Zeb22]. **symmetric-**[SJY18, SJY20]. **symmetries** [CFBRE24]. **Symmetrization** [YT22]. **Symmetry** [IMB⁺22, TW21a, ALB22, FPSZ21, GF21, GLSH21, HA21, Kor23, MLD⁺22, PDD24, SKM⁺21, SCT21, ZXW⁺22]. **symmetry-adapted** [GF21, GLSH21, MLD⁺22]. **symmetry-preserving** [HA21]. **Synergistic** [OBK⁺20]. **synthesis** [dBBVA20]. **synthesizing** [FLW⁺23]. **synthetic** [JSS⁺24, WBF⁺24]. **System** [AAA⁺20, CLY22, HBM⁺24, KRC⁺20, KvH21, LM21a, LLT⁺23, LSW⁺20, MMYU22, PYT⁺24, PK24, UJ21, eSdSBST21, Yan21b, Yev21, ZCWY20, ZYG21]. **system-bath** [CLY22]. **Systems** [MYMK⁺21, SGM⁺20, AGMFGE23, ARLDG24, ABBD23, BKS22, BMT⁺20, BLM⁺22, CR20, CPL21, CMJC21, DZZ21, DHK⁺21, DVC⁺22, FA21, Gal22, GTMB21, GF23, GLB⁺21, GSBN22, HPP23, IJVJ21, IUJ21, KMBP24, KHR⁺23, KKPC21, KSC⁺23, KDHL23, KLM⁺22, LHZ20, LG21a, Lee21b, LLZ⁺23, LQGL21, MD20b, MFB23, MP21, MAJ20, MOY⁺22, OCK⁺24, Ols23, OLNG21, QJ21, RSD20, RMR⁺22, RHW⁺21, RMM21, RdSH⁺24, RBWD⁺24, SRT⁺20, SFKC22, SFBG20, SVJ⁺24, SP23, TC24, TMH⁺23, TRB20b, WPMK21, XZLX20, YKK⁺23a, YM21].

T [CCK23]. **tackling** [PPKK21]. **tagged** [LG21a]. **tagged-particle** [LG21a]. **tagger** [Ada22]. **tagging** [LNP⁺24]. **Taihulight** [CLZ⁺21]. **tails** [AFJ⁺23]. **takes** [PGS⁺24]. **Talmi** [Efr21b]. **tapir** [GHL23]. **target** [BKS24a, BCD⁺21, NUK⁺22, SHRK22, TLC⁺21, YK21b]. **target-oriented** [YK21b]. **Task** [DP21, CCC20, DFU20, Di 22]. **Task-based** [DP21, DFU20, Di 22]. **Tau** [LNP⁺24]. **TAUOLA** [ABWZ23, Nie23]. **TauRunner** [SLP⁺22]. **TB2J** [HHVB21]. **TBPLaS** [LZK⁺23]. **TC** [Och23a, Och23b]. **TChem** [KDIN⁺23]. **TDDFT** [DHE⁺24]. **TDEP** [BBB20]. **TDSE** [ZLMH23]. **TE** [SS21a]. **tearing** [ZJM⁺21]. **technical** [KFHR24, NKP20]. **technique** [MG22, MDZ24, NBB⁺21, PAL⁺20, WMM⁺24, XFH⁺22, YMCf23, PGS⁺24]. **techniques** [DG20, GLB⁺21, KHKL24, RdSH⁺24, SFC20, VPS23, YZZ⁺23]. **telescopes** [AAG⁺20]. **Temperature** [BBB20, ASU⁺21, Bar22a, BCTS22, GO23, GJA21, GCWZ20, IUJ21, KKPC23, LLQ⁺23, SKC21, SC22, VV21, XZLX20]. **temperature-dependent** [KKPC23]. **tempering** [MMFdL21]. **Temporal** [SL22]. **temporally** [KFHR24]. **TeNeS** [MOY⁺22]. **tension** [CFLR24]. **Tensor** [CDD22, MOY⁺22, CKT21, JS24, LG23, MCMS24, TWW22,

WICA22, YS22, YK21b]. **Tensor-network** [CDD22]. **tensor-product** [TWW22]. **TensorAlloy** [CGZ⁺20]. **TensorBNN** [KKP22]. **TensorFlow** [KKP22, WICA22]. **TEPPP** [HPP23]. **term** [MP21, XZLX20]. **terms** [Ber24, Hid21, IUJ21, MD22, RBV⁺22]. **ternary** [KAS24]. **tessellation** [Nis22]. **TETHYS** [CSBF23]. **tetragonal** [LHZ20]. **tetrahedral** [YXX⁺21]. **tetratomic** [RV21]. **TFmix** [SLK23]. **Theoretical** [UMA21, CLEPF22, Jab24, RSC⁺22]. **theories** [DCZ23, MCMS24]. **Theory** [DvHSdS22, FKS20, MVK⁺24, ATRD21, BCCM⁺24, BW23, DMS⁺22, DH22, EST23, FASD20, Fon21, Gai20, GF23, GM20, GBD⁺22, HLzY⁺20, LACL24, LYC20, MHK24, MDR⁺20, QJ21, SLZY21, SHW⁺21, TMC22, VCF22, YT23, YKSH20, DPR⁺20, DRR⁺24, SHW⁺21]. **thermal** [CK20a, CT23, DFP⁺20, EST23, FO20, FCTFR20, HYL⁺22, HTL⁺22, KMG⁺20, LDGN24, MMM20, MPN⁺21, RMCC22, VGGP⁺21, ZGW20, ŻTR⁺22, PLSB22]. **Thermo** [FLW⁺23, ZWC22]. **Thermo-1p** [FLW⁺23]. **Thermo4PFM** [FDPT23]. **thermochemical** [LWV20, WV22, YKYK23]. **Thermochemistry** [LWV20]. **Thermodynamic** [SLK23, AMP⁺21, FDPT23, FGCN⁺21, KvdW20]. **thermodynamics** [FLW⁺23, ZWC22]. **thermoelastic** [LVB22]. **thermoelasticity** [LDW⁺21]. **thermoelectric** [CL20]. **thermophysicalModels** [NJSY22]. **thermosolutal** [ZDG⁺21]. **Theta** [CK20b]. **thin** [RMR⁺22]. **third** [LLS⁺21, TSL21]. **third-order** [LLS⁺21]. **Thomas** [YNMR24]. **those** [MBCC23]. **threaded** [AG21]. **Three** [CLS⁺22a, CL21, AHP21, ASU⁺21, BKO20, BR20b, BSK⁺22, Efr20, Efr21a, GOS⁺22, GMZ⁺20, JDS20, JRS⁺21, KLD⁺21, LMQ⁺23, MD20b, MSH22, PK24, PD23, SRT⁺20, SXYD24, TTM22, YWTK23, ZDG⁺21, Zho23]. **three-body** [JDS20]. **three-channel** [GOS⁺22]. **three-component** [YWTK23]. **Three-dimensional** [CLS⁺22a, CL21, AHP21, BKO20, BR20b, BSK⁺22, GMZ⁺20, KLD⁺21, LMQ⁺23, MD20b, MSH22, PD23, SRT⁺20, SXYD24, TTM22, ZDG⁺21, Zho23]. **three-electrode** [PK24]. **three-particle** [Efr20, Efr21a]. **three-temperature** [ASU⁺21]. **throughput** [NAZ⁺21, PFG22, RDH⁺20, WXL⁺21, WGGC22]. **TIFF** [Ken24]. **Tight** [DSQ23, JPJ⁺23, KVSC21, LZK⁺23, NKP20, WPMK21, ZYLY22, NKP20]. **tight-binding** [JPJ⁺23, KVSC21, LZK⁺23, NKP20, WPMK21, ZYLY22, NKP20]. **Time** [DRZ⁺21, FMCB⁺20, Hor23a, LY22, MVK⁺24, RS20, TKS22, ZYX21, ZYX22, ADW⁺23, BV21, BAB⁺20, CJZ21, DGM20, DS22, DVC⁺22, DHE⁺24, Dio23, DG20, DBR24, EBBB22, GPD⁺22, GSLS20, GF23, GBD⁺22, GMZ⁺20, HSB⁺24, HW22, HLMB24, Hor23b, JM24, JGJ20, JRS⁺21, KCS22, KBSL22, KP23, KMR22, KM23, Koz23, LS22, MZ22, MKHT20, PMK⁺23, PPK22, QWZ⁺21, RSC⁺22, SL22, SGS23, Scr22a, SNG20, SKC21, SCF20, TTM22, TSL21, WJB21, WWB22, WHB21, WBF⁺24, WKJB23, WBvdH20, XSL⁺22, XLKX21, YZW21, YSMBA23, ZX23]. **time-dependence** [BAB⁺20]. **Time-Dependent** [MVK⁺24, Hor23a, LY22, BAB⁺20, Dio23, GSLS20, GBD⁺22, HSB⁺24, JRS⁺21, KM23, SGS23, Scr22a, WJB21, WHB21, WBvdH20, XSL⁺22, YSMBA23]. **Time-discretization** [TKS22].

Time-domain [DRZ⁺21, TTM22, YZW21]. **time-evolution** [GF23]. **time-explicit** [DS22]. **Time-independent** [FMCB⁺20, ADW⁺23, BV21]. **time-lapse** [DG20]. **time-of-flight** [WBF⁺24]. **Time-parallel** [RS20]. **time-reversible** [KP23]. **time-space** [GMZ⁺20]. **time-spectral** [LS22, SL22]. **time-stepping** [ZX23]. **time-warp** [RSC⁺22]. **TimeEvolver** [MZ22]. **times** [LTMK21]. **timescale** [RMR⁺22]. **tin** [PAL⁺20]. **tinie** [DKRSR22]. **tip** [AUO⁺22]. **Tiresia** [TCSD24]. **TLBfind** [PLSB22]. **TMDICE** [Roh22]. **TNQMetro** [CDD22]. **Tokamak** [YYC⁺23, BYWW23, BJS⁺23, HEF21, JKSY22, LZ21, MAMK21, RSHS24, SKYQ21, SDXY23, SBZ23, WDMZ24, YC20]. **TokaMaker** [HSB⁺24]. **tokamaks** [BFL⁺22, JSS⁺24, MG22, NSY⁺23]. **tomography** [BYL⁺21, HTN21, WKJB23]. **tomosynthesis** [BSG⁺21]. **Tool** [BHK⁺21, BLN⁺21, AMP⁺21, AFJ⁺23, AES21, BMM21, BMR⁺24a, BKS24b, CSBF23, EGKH24, FLW⁺23, FGCN⁺21, FLK⁺20, GHL23, HSB⁺24, HT20, HRG⁺22, IGL⁺24, Kan23, KMY⁺23, LLS⁺21, LR22, MMCC⁺22, MZD⁺20, MRG22, NYN⁺21, Ols23, DARJ23, RCB21, RJ21, SLBR22, SPLD20, SLB⁺23, SZ24, SRML20, SCMP⁺22, TDR⁺20, TAB⁺22, UO20, WGGC22, YNV22, YNV23, ZHM⁺24, ZDLS21, dMMLoS20, Dju20]. **tool-kit** [WGGC22]. **Toolbox** [CV21, LWV20, OSE⁺20, ASW22, BTG22, CKGW22, FBC⁺21, GDK21, HTN21, HRU22, Hoh24, JZW⁺22, KMBP24, LSNRD20, PCS⁺23, RSD20, RZWW23, RSPJ21, RPG⁺20, SKDH24, Sch21, VCHH23, Yan24b]. **toolchain** [OIA⁺20]. **toolkit** [AFB⁺24b, BVV22, DCRF23, DIKSN24, GAS⁺23, Hua23, KDIN⁺23, LVB22, LEL⁺22, OSK⁺21, SC22, TQGE23, WMA⁺22, YTC⁺20]. **Tools** [CLVV22, DBBP23, FR20, KvdW20, LHG⁺20]. **TopoAna** [ZDLS21]. **topography** [NBCMH20]. **topological** [ATC⁺23, GBR23, LU21, MCP23, HPP23]. **topologies** [GHL23]. **topology** [AS24, Nis23]. **tops** [SJY18, SJY20]. **TORCWA** [KL23b]. **toroidal** [CMS22, LOT⁺20, LZ21, MG22, MMYU22]. **toroidally** [BJL⁺24]. **toroidally-rotating** [BJL⁺24]. **torsional** [CZB⁺23]. **Total** [MSHP02, MSHP20, HMYH22, HSO⁺22, MD20a]. **Total-energy** [MSHP02, MSHP20]. **total-reflection** [HMYH22, HSO⁺22]. **Townsend** [MHÅ21]. **TPMD** [SC22]. **tqix** [HTN21]. **tqix.pis** [VCHH23]. **tracing** [FXQS21, GSL⁺23, SHS22, WWM⁺22, sXBkB⁺22]. **Track** [BBB⁺21, AAB⁺21, BDGS21, TAGC22b, SP23]. **tracker** [AAB⁺21]. **Tracking** [DHK⁺21, AGJ⁺23, ABK⁺22, KSC⁺23, LBRW22, NSY⁺23, NBS⁺20, SRC21, SBP20, WWM⁺22, YGSW21]. **tractable** [RDZ⁺20]. **traction** [HGS20]. **traditional** [TCY⁺21]. **Training** [BKS24a, vdHKB⁺23]. **trajectories** [BFT20, SKC21, SC22, SZT24, TBAR21]. **TRANS** [SHS22]. **transcendental** [BA24]. **transcorrelated** [Och23a, Och23b]. **Transfer** [BMR⁺23, CJZ21, FXQS21, KKPC23, KSIL22, MDDI21, NBB⁺21]. **transferability** [MYKC23]. **transferable** [SPMS23]. **transfers** [HRG⁺22]. **transform** [CLEPF23, KIK20]. **transformation** [IJVJ21, KF23, Lee21b, PP21, RMFB23, SMGK21, YW21]. **transformations**

[Efr20, Efr21a, MRT⁺22, YKY⁺22, dBBVA20]. **transformed** [MSN⁺22]. **transforms** [BJS⁺23, KPST21]. **transient** [AE23, Ryd20]. **Transition** [VLS22, BMM21, BFD22, CXCZ23, LKK23, LGBJ20, MMM23, MMFdL21, VB22b]. **transitions** [Bar22a, EST23, GSV23, SZ23]. **TRANSLATE** [BCF⁺24]. **transmission** [Arn20, CGV⁺22]. **transmutation** [LF20]. **Transparent** [SP20]. **transpond** [BGW⁺22]. **Transport** [KOF21, NRKA22, AUEO24, ABGD⁺20, ASPDL⁺21, BGW⁺22, BCF⁺24, BSS⁺23, CK20a, CPL21, CHA21, CL20, CKC⁺21, CL21, DFP⁺20, DKRSR22, EBBB22, FO21, GAGO21, GLN23, Jab24, Kal20, LBM⁺23, LLL24, LHWX24, MK22, MBTB21, MMM20, MGC⁺23, MP21, MAMK21, MMYU22, NSY⁺23, OBGA24, PLT⁺23, PYT⁺24, PPR⁺21, RDC⁺20, SHS22, SP23, SLIC24, TAY⁺24, WAN⁺22, WXW⁺21, XDF20, XSL⁺22, YHH⁺20, YYH21, YJLW21, YZHL22, ZLLM23, ZPL⁺21]. **transport-property** [AUEO24]. **TransROTA** [BJL⁺24]. **transverse** [KPST21]. **trapped** [BFT20]. **traps** [BTK24]. **traversal** [WVK21]. **TRAVOLTA** [RBWD⁺24]. **t}re** [ST23b]. **treams** [BFCR24]. **treatment** [RZH22, YXX⁺21]. **tRecX** [Scr22a]. **Tree** [CFL⁺22, SJ20, WVK21]. **treecode** [CGR21, KKLZ23b]. **trends** [KIK20]. **trhepd** [HMYH22, HMYH22, HSO⁺22]. **trial** [MMM23]. **trials** [BSG⁺21]. **triangular** [AIZ23, BRAC23, SS21b, YXX⁺21]. **triangulated** [TGBM22]. **Triatomic** [RV20, GTMB21, Xav22]. **trichalcogenides** [CXCZ23]. **tridiagonal** [KKPC21, YKK⁺23a]. **trigger** [TGIM23]. **triggering** [ABF⁺23b]. **trigonal** [LHZ20]. **TRIM** [PFG22]. **trions** [PC21]. **triple** [AFB⁺24b, Bzo21]. **triple-** [Bzo21]. **triple-GEM** [AFB⁺24b]. **TripleK** [Bzo21]. **triply** [LXY⁺21]. **TRIQS** [KM22]. **TRIQS/SOM** [KM22]. **triSurfaceImmersion** [TGBM22]. **Tropical** [BMT23]. **truncated** [HHT22]. **Tsinghua** [ZXT22, ZXT23]. **TTDFT** [LG23]. **Tucker** [LG23]. **TUMME** [ZXT22, ZXT23]. **tuneable** [GTE21]. **tungsten** [YHH⁺20]. **Tuning** [BSS⁺23, LAC21]. **Tunneling** [Gul20, SZNW23]. **tunnels** [Ryd20]. **turboMagnon** [GBD⁺22]. **TurboPy** [RGS⁺21]. **turbulence** [FA20a, Ken24, KPL⁺21, LBRW22, MSU⁺21, SKYQ21, SDXY23, SBZ23, ZYX21, ZYX22, ZSqXY21]. **turbulent** [BMSP21, BMS⁺23, FA20b, GB22, KKPC23, NS20, VLS22]. **TURTLE** [NBCMH20]. **tutorial** [BM20, SOH⁺23]. **tutorial-driven** [BM20]. **twiddling** [Fis24]. **Twister** [NNMJ22]. **Two** [HT24, JYL⁺23, KM20, LF20, LHTP⁺24, AYB24, BBA23, BM22, CAWK22, CCK23, Dan24, Dau23, DKRSR22, EPM23, ENK24, GDB10, GCK21, KWK⁺21, KBSL22, KM23, KMS20a, LW24, MJB24, MFB23, MYM⁺22, MCP23, SRT⁺20, SMB20, SSB⁺23, SFS22, UÁEPGBP24, WT22, Yan21b, KMS20b]. **two-body** [KWK⁺21]. **two-center** [SSB⁺23]. **Two-dimensional** [HT24, LHTP⁺24, BM22, Dan24, DKRSR22, KM23, MFB23, MYM⁺22, SRT⁺20, UÁEPGBP24]. **Two-fluid** [JYL⁺23]. **Two-Higgs-Doublet** [KM20, KMS20b]. **two-phase** [BBA23, CAWK22, Dau23, ENK24, KBSL22, SFS22, WT22, Yan21b]. **two-photon** [KMS20a]. **two-step** [AYB24]. **twoWayGPBEFoam** [LMHL20]. **type**

[Arn20, BCGT24, CZY20, GMZ⁺20, Pöt20, TCY23, TL20, XFH⁺22, ZDLS21].

U [GOCSS⁺23]. **UCNS3D** [ADF⁺22]. **udkm1Dsim** [Sch21]. **UKRmol** [HBM⁺24, MBG⁺20]. **UKRmol-scripts** [HBM⁺24]. **ultra** [BCT20, BKBL22]. **ultra-peripheral** [BCT20, BKBL22]. **ultrafast** [Hua24, Sch21, SLB⁺23, Tan23, WKJB23, WBvdH20, ZPL⁺21]. **ultrashort** [BAB⁺20, MD22]. **ULYSSES** [GMPG⁺21, GLPG⁺23]. **unbinding** [Ryd20]. **uncertainty** [KMG⁺20, MZL⁺21, SMC⁺22, TRN⁺24, TO21, VEHCM21]. **Unconditionally** [Yan24a, GZW20, LM21a, ZCWY20]. **underlying** [RZ23]. **UNDI** [BFI⁺21]. **UnDiFi** [CAC⁺22]. **UnDiFi-2D** [CAC⁺22]. **UNED** [COJ⁺22]. **unfolding** [RMFB23]. **Unified** [ZWP⁺22, FJ22, FTZ⁺23, LSW⁺20, LHG24, STA20, XFH⁺22]. **Uniform** [JLW24, NR21, PCS⁺20, VB22b]. **unipolar** [WSK⁺22, YFL22]. **uniqueness** [MNS⁺24]. **Unit** [AAA⁺20, AGH21]. **unitarity** [ADC⁺21]. **unitary** [GH21]. **units** [DC22, WICA22]. **Universal** [CXCZ23, GLPG⁺23, GMPG⁺21]. **universe** [BMM21, FFTV23]. **University** [ZXT22, ZXT23]. **Unleashing** [ZZ21a]. **unoccupied** [SLZG20]. **Unravelling** [VPPQ21]. **UNRES** [OCK⁺24]. **unsaturated** [HRG⁺22]. **unscented** [AGJ⁺23]. **unsplit** [LH22, MOV21]. **unstable** [KvdW20, KAB⁺21, LWkK⁺20]. **unsteady** [CJZ21, SFS22, YYY22]. **unstructured** [ADF⁺22, CAC⁺22, EPM23, KFC⁺20, NSY⁺23, PLF20, TGBM22, ZDSS23]. **unsupervised** [WYZZ23]. **Up-sampling** [TCcN23]. **Upcgen** [BKBL22].

Update [IKM⁺24, AJDS⁺21, ABWZ23, GvdBdGN24, HJGL22, LJH⁺23, XOTI22].

Updated [CTPS22, SPTPR21, SZY⁺22]. **Updates** [AJW⁺21, FQRR22].

Upgraded [NUK⁺22, PMA⁺21, YZW22]. **URANOS** [DAC⁺23]. **urban** [YCC22]. **usage** [CHA21]. **use** [MG22, TPS⁺24, WKBW21]. **used** [KIK20].

User [SMB20, WAYL23, BMR⁺24b, DvHSDS22, HGS20, MMCC⁺22, WXL⁺21, YR21]. **user-friendly** [HGS20, MMCC⁺22, WXL⁺21].

User-ready [SMB20]. **users** [YTC⁺20]. **usine** [Mau20]. **Using** [MMM23, TAGC22b, ABBD23, Ano20c, ASC⁺21, BRAC23, BGH22, BKB⁺21, BB24b, CE22, CGSO20, CFLR24, CL20, CZB⁺23, CKT21, CT23, CJ21, CLEPF22, CLEPF23, CLEP24, CNS22, DMS⁺22, Dau23, DS22, DC22, Dry21, FASD20, FMBD22, GF23, GBD⁺22, GAS⁺23, HT24, HW22, HSO⁺22, HLzY⁺20, HG22, Ilt21, JSS⁺24, JS24, JPJ⁺23, KWK⁺21, KK16, KF23, KCS22, KSJ⁺22, KKY24, KPL⁺21, Kor23, KKP22, LOT⁺20, LMX⁺21, LZ21, LJQ⁺22, LM22, LVMGF⁺23, MMC⁺21, MSN⁺22, MGG⁺20, MBG⁺20, MAJ20, MKHT20, MPSK21, MPQ⁺22, Nis22, OIA⁺20, Och23a, Och23b, PMSHG23, PBK21, PP23, Par21, PCS⁺23, PFG22, Di 22, RCW⁺20, SFBG20, SKC21, SC22, SFC20, SP23, SLC⁺22, SS21b, TAGC22a, TGGC23, TMC22, WGG20, WXW⁺21, WXL⁺21, WWM⁺22, WA21, WS20, WKJB23, Xav22, XHY⁺24, YJLW21, YLL⁺22, ZLV23, dBBVA20]. **utilitarian** [BC22].

Utility [DBdFdSR21]. **utilizing** [WHS24].

v [AGK⁺23]. **v.9.0.0** [AMA⁺20]. **v1.0.0** [BM20, SY20]. **v1.1** [CR20, GKIB21]. **v1.2** [ADH⁺20]. **v1.3.0** [BDK⁺23]. **V2** [LG21b, AAHJ20, BMM21]. **v2.0** [OSE⁺20]. **v2.0.0** [BN23]. **v2107** [GDK21, HRG⁺22]. **v3** [DRR⁺24]. **v4.0** [MSN⁺22]. **v5** [ZW20]. **v5.1** [CZ21]. **vacuum** [Sat21]. **valence** [CXCZ23]. **validating** [MMFdL21]. **validation** [DIK⁺23, DARJ23, SCR⁺22b, ZYG21]. **value** [ATC⁺23, FYW23, KFHR24]. **valued** [CL22a]. **values** [GOST23, Jab20]. **Vanderbilt** [TIG⁺24]. **vanishing** [JDS20]. **variable** [WYT23, YK21a, PBK21]. **variables** [Par21]. **variance** [CHA21, PLT⁺23, PPR⁺21]. **variance-reduced** [PPR⁺21]. **variant** [WYT23, YK21a]. **Variational** [WHSG24, YYH21, AGH21, Jia20, PC21, SZ23, XSL⁺22, XOTI22, XFGS24, YZHL22]. **Variationally** [RG21]. **variations** [MM23]. **various** [CW22, SHW⁺21, sXBkB⁺22]. **varRhoTurbVOF** [FA20a, FA20b]. **varying** [SD24]. **VASP** [DCRF23, GWPW21, LR22, MPSK21, WXL⁺21, YTC⁺20]. **VASPKIT** [WXL⁺21]. **Vector** [FMBD22, ONH⁺20, ABB⁺22, KL23a, TW21b, WWDWM20]. **Vector-based** [ONH⁺20]. **vector-meson** [KL23a]. **vectorial** [CMS22]. **vectorised** [EPM23]. **vectorized** [CNS22]. **VegasFlow** [CCM20]. **VELAS** [RZWW23]. **velocity** [HFP21, KFC⁺20, UJ21, VPPQ21, Xie23]. **VENUS** [MPQ⁺22]. **VENUS-LEVIS** [MPQ⁺22]. **Verification** [DIK⁺23, MGC⁺23, SCR⁺22b, Bak23, CJD⁺20, KDK23]. **verified** [GAS⁺23, LHWX24]. **versatile** [BVV22, KKPC23, WLL22]. **Version** [AAT⁺20, ASPDL⁺21, BC22, GLPG⁺23, HQF⁺20, KKM⁺20, Pos22, SJP21a, BMS⁺23, CB23, CCG21, CZB⁺23, DS22, DACA⁺22, DP21, Dio23, FTG23, GST21, GOS⁺22, Jab22b, Koł22, MS24, MJB24, MSN⁺22, MPZB⁺24, NAZ⁺22, Org22, SMO⁺20a, SVJ⁺24, SAS20, YZW22, ZXT23]. **versions** [BBH⁺23, IKM⁺24]. **vertex** [WLCF21]. **Very** [Koz23, KAB⁺21, OCK⁺24]. **VHEGEN** [LHZ20]. **via** [AUO⁺22, ABD⁺23, DR21, EGKH24, GSV23, LG21a, LKK23, LM23, NAZ⁺21, RV20, RV21, Roh22, VGGP⁺21, YK21b, ZZC20]. **vibrational** [GTMB21, KSG22, MEC⁺24]. **vibronic** [LHZ20]. **viewSq** [MKPW21, MKPW22]. **Vincia** [BP21]. **Virtual** [LLL24, BSG⁺21, LHC20]. **VIRTUS** [MMP20]. **viscous** [RCW⁺20]. **VISROC** [CTPS22]. **Visual** [MKPW22, Gro22, MKPW21]. **visualisation** [NRG24]. **Visualization** [CTPS22, NRG22, RZWW23, WGGC22]. **visualizing** [MKPW21, MKPW22, TQGE23, vTDGCR21]. **Vlasov** [LSW⁺20, CE22, Ein20, KMD⁺21, PMK⁺23, TCSA21, TKC⁺21, YKY⁺22, ZLL⁺24]. **VMD** [MKPW21, MKPW22, WKBW21]. **Vofi** [CCL⁺22]. **VOFTools** [LHG⁺20]. **volcano** [ZLV23]. **volume** [ADF⁺22, CCL⁺22, Dau23, DS22, FZD⁺24, FA20a, FA20b, KFC⁺20, LXY⁺21, LY24, LHG⁺20, LH22, MSM24, PGYF21, TGBM22, VGGP⁺21, VTB⁺21, WH23]. **volume-conservation-improved** [LY24]. **Voro** [LLR23]. **Voronoi** [LLR23, MRD23, Nis22]. **Vorotis** [Nis22]. **vortices** [KSDH23]. **VPA** [PBK21]. **VQE** [XFGS24]. **VTAnDeM** [TQGE23].

walks [MW21]. **wall** [BKB⁺21, DAC⁺23, RZH22, YGSW21]. **wall-bounded** [DAC⁺23]. **wan2respack** [KMY⁺23]. **Wang** [AM21b, MDP22, SJ21]. **Wannier** [DSQ23, Kor23, ZXW⁺22]. **Wannier90** [KMY⁺23]. **WannSymm** [ZXW⁺22]. **WanTiBEXOS** [DSQ23]. **warm** [BCTS22, BRHT21, MHK24]. **warp** [RSC⁺22]. **water** [DS22, HRG⁺22, DARJ23, STA20]. **watershed** [HRG⁺22]. **wave** [AJDS⁺21, BGW⁺22, CGV⁺22, Dio23, FASD20, GBD⁺22, GMZ⁺20, JZW⁺22, LL23, MSHP02, MSHP20, NS20, NBB⁺21, OYC24, Pos22, RCB⁺20, RRC⁺24, SJP21a, TTM22, TL20, Yan23, YJLW21, YR21, ZZZ⁺20, WWDM20, AYI⁺24]. **wave-packet** [Dio23]. **waveform** [DRZ⁺21]. **waveforms** [GF23]. **wavefunctions** [MONW21, RCP⁺24]. **wavelet** [LDGN24]. **wavelet-learning** [LDGN24]. **waves** [AB21, BR20a, CFPS23, HM24, MDZ24, WXY20]. **way** [DEdM24]. **ways** [GSBN22]. **weak** [LGBJ20]. **Weakly** [CLVV22, WLF⁺23, HMR22]. **weakly-compressible** [HMR22]. **web** [BMR⁺23, BMR⁺24b]. **week** [BR20a]. **weighted** [MRD23]. **weighter** [AAA⁺21]. **WENO** [EOR21]. **wettability** [NLS24]. **Weyl** [SLBR22]. **Wheeler** [HA23]. **whistler** [NS20]. **whole** [CL21]. **whole-core** [CL21]. **widths** [ABH⁺23]. **WIEN2k** [GBR23]. **wiggler** [ASA⁺22]. **Wigner** [DLD⁺21, PDD24, XWYQ21]. **Wilson** [Dür23, FKK⁺21]. **WIMP** [GJJN23, JKST22]. **WIMP-nucleus** [GJJN23]. **WimPyDD** [JKST22]. **wind** [YCC22]. **window** [MDZ24]. **within** [BN20, BN23, Dan23, GOCSS⁺23, Mar22, NVC20, TWW22, WZZ⁺23, XSL⁺22, YHY⁺21]. **without** [Ham20b, NA20, SLZG20, SKM⁺21]. **WloopPHI** [SLBR22]. **workflow** [DSW⁺23, GO23, LACL24, SS22, TPS⁺24, vTDGCR21]. **workflows** [DIAA21, ZGZW23]. **WPF** [GOS⁺22]. **wrapper** [FCSP20]. **writing** [KSIL22]. **wurtzite** [HLCD20].

X

[MKPW22, HTN21, Hua24, Jab22a, MKPW21, MSU⁺21, SPF21, WKJB23]. **X-ray** [MKPW22, Hua24, Jab22a, MKPW21, SPF21, WKJB23]. **x86** [CZTF23]. **XANES** [BDP⁺21, MGG⁺20]. **Xatu** [UÄEPGBP24]. **XCHEM** [BFMA⁺24]. **XCHEM-2.0** [BFMA⁺24]. **Xsorb** [PRR23].

YADE [KGT22, CCC20]. **YAM2** [Par21]. **Yan** [AFJ⁺23]. **years** [SHB⁺20]. **yield** [HA23]. **ython** [VMRFC23].

Z' [LSZ23]. **Z'-explorer** [LSZ23]. **Z1** [KDHL23]. **Z2** [GBR23]. **Zapdos** [DIK⁺23]. **ZEFR** [RCW⁺20]. **zero** [DH20, MOMO24]. **zero-dimensional** [MOMO24]. **zinc** [HLCD20]. **zinc-blende** [HLCD20]. **ZMCintegral** [CZ21, WZPW20, ZW20]. **ZMCintegral-v5** [ZW20]. **ZMCintegral-v5.1** [CZ21].

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Amoroso:2024:PTT

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