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[DMML05]. **Adiabatic** [Jah04]. **Adjacencies** [SRI+18]. **Adjoint** [ATK12, AHHR16, Bou01, BCCX21, CLPS03, CP04, CEJ+10, CSW14, FHFR13, FR10, HTMM15, LQH21, Sch05, SU15, TW13b, WLE+00, WMI09, ZS14, ZCS22, GGS19, Sta97]. **Adjoint-Based** [ATK12, CSW14, SU15]. **Adjoint-State** [LQH21]. **Adjoints** [FHFR19, HM10a]. **Adjusted** [CHW17a, CHW17b]. **Adjusting** [Ste02, Zha18a]. **Adjustment** [CLP08]. **ADM** [CE17]. **Admitting** [DMR17]. **ADMM** [FR19, STY21]. **Adsorption** [BKBT18]. **Advanced** [HHR23, NP93b]. **Advantage** [MM98]. **Advantages** [AR99, KB08]. **Advection** [ADR14, ALLK15, AHH12, BSMM16, BCI22, FL19, GLR23, GHH07, GGS08, GSM20, HDF+19, KMER22, KG14, LW12b, LSV13, MRFV18, MS98, MYN20, NN03, PDH09, PH13, SBP04, SWN20, SSR21, DFK23, TZ18, TM14, WXK04, WDE+99, WL01, YVB98, ZK14a, Zbi11, ZJC12, ZRTK12, ZTM+16, PCDB96, PW12]. **Advection-Diffusion** [ADR14, AHH12, BCI22, GGS08, LSV13, WXK04, WDE+99, ZJC12, ZTM+16]. **Advection-Diffusion-Reaction** [GHH07, PDH09, SBP04, TM14, ZRTK12]. **Advection-Dispersion** [ALLK15]. **Advection-Dominated** [KMER22, PCDB96]. **Advection-Reaction** [GSM20, WL01]. **Advective** [XCS16]. **Advective-Spectral-Mixed** [XCS16]. **Adversarial** [YZK20, YLG22]. **Aeroacoustic** [Dor10, RSA05]. **Aerodynamic** [Har08, HS06b, Haz08a, Haz08b]. **Aerodynamics** [SD21, Tsy99]. **Affine** [KA95, Kor93]. **after** [GB98]. **Age** [BF13]. **Agglomeration** [BCDE21, JV01]. **Aggregated** [BMV18, BMNV21]. **Aggregation** [BFM+04, BMM+10, CM09, Cho05, DMM+08, DMSW10, DMM+10a, FKK+14, GaP08, GV16, JKKM01, KW10b, MN08, NN17, Not12, PoH09, ST08, TAY+19, TY11, TY15, DS96]. **Aggregation-Based** [FKK+14, JKKM01, MN08, Not12, TAY+19]. **aggregation-disaggregation** [DS96]. **ahead** [FGN93]. **Aided** [HOY03, YTT21]. **AIR** [MRS18, MDA22, SSR21]. **Airfoil** [Yiu95]. **Aitken** [BGOD08]. **Aitken-Like** [BGOD08]. **ALE** [ADK+18, MRI21]. **Algebra** [HM20a, KM18, PSA99, RTR+16, LJ93]. **Algebraic** [AC05, AJS22, AJ22b, AJR23, AM20, AS94, AP99, BQQ08, BGL08, BSH16, BS02, BFJ+15, BDO12, BBKS20, BFG+16, BGH+03, BHST08, BGS09, BBB+11, BB03, BBC07, BNN23, BF10, BK14, BCK+18, BCF+00, BFM+05, BTB05, BHP98, BK11, BEM17, CG95, CLPS03, CGL01, CC02, CH02, CS11, lCCVEKV17, CW93, CFH+00, CKK03, DMMO04, DMM+10b, De 12b, DM13b, Der08, DKL+19, Doh07, DHHR19, Elm98, Elm00, EN09, FS14, Gar97, GB98, GOS03, GPS95, GLMS22, GW00, HKR02, HR05, HTMM15, HMN+13, HvdG96, HTB+05, JFSO23, JR19, JJK23, JSV10, KR18, KKV13, KVV23, KY03, Knu01, Kra08, KMRW97, LO11, LB12, Liv15, MO08, MFJ19, MFY23, MOSS17, MRS18, MS19, MMRS19, MV94, MB00, MBT21, Mis01, NN12, NN14, NAC+15, Not12, Not17, Ols07, OST11, OT11, PRM97]. **Algebraic** [DHM+23, PBV18, Pul08, RX17, RMB00, Sch05, Sch09, SS10a, SSR21, SH14, TAY+19, TPT+16, VV13, Vir07, WHCX13, WMSG09, WE06, YGB+05, Zas95, BHP94, HTW+12, Lam97, MT97a, MS93a]. **Algebraical** [WB99]. **Algorithm** [AKA13a, AKK14, AM18, ALLK15, AFK15, AFS19, And99, Ash95, AHHR16, ABL+20b, Bad21, BB17, BS99a, BS02, BK98, BK99, BS05b, BS98, BCF01, BDKR21, BG17a, BG17b, BI00, BC09a, BK06, BZ21, BR05b, BRR18, Boz09, BZ97, BVW03, Bru15, BDR18, BLNZ95, CZ10, CD15a, CMS94,

CC08, CC10, CP03b, CK19, CDM+13, CHO12, CP15b, CRT11, CWD13, CSW10, DHN17, De 12a, DM13b, DZ12, DL20a, DP07, DDF00, DTR21, DF20, DPV05, DP20, DTV13, DHPAH19, DGLW16, EW00, Ein19, EL19, EHY21, EAA21, EBSS+11, Ett16, FL18, FS11, FP07, FJP99, GN16, GKRNS19, GJS19, GKS20, GL21, GH07, GH15b, GVP06, Gar97, GM21, GAMV13, GV13, GL03, GLR07, GM13, GS05, GKK10, GLC21, GMPZ06, GLN09, GDB+22, GrM10, HJN17, HLD12, HT14a, HO18, HMST11].
Algorithm
[HHMS15, HJ07, HHSW11, HKO99, HL95, HvdG96, HWD02, HS06d, HOW17, HH16, HVW95, HR98b, HS01b, HHL15, HYC16, HMvdG18, HSW08, HGPM14, IJ08, JK07, JK15, JN10, Jou94, Kal20, Kas95, KV12a, KHRvBW13, KHRvBW14, LV98, LRSV11, LCN14, LLS13, LLS22a, LT09, LHN96, LZ99a, LZ99b, LGP14, LFJS14, LXV+16, LYL+11, Lin16, wLxY00, LTzT21, LHL+22, LSZ23, LN23, LB06, Liv08, Liv15, LWK+16, LR98, Lyo11, MG07, MG09, MG11, MMM+94, MK00, MBGV16, MV16, MN11, MBS22, MPRS23, NST18, NK15, NGX14, NCT99, Nov15, Oet99, OKF14, PKR+13, Par17, PGLD96, PSB+06, Pet99a, PDMY14, QDKW18, Rav05, RC06, RNV17, RG20, RGOY10, RBG23, RC23, Ruh98, RCLO18, SYEG00, SBK18, SSW21, SL20, SBHS19, SX17, SW22a, SW22b, Spi16, SV08b, SV11, Str00a, SF99, SW10b, TN16]. **Algorithm**
[TZ18, TVV20, TCDS21, TD99, TMA18, VD10, VMG09, Wal14, WC00, WMI09, Wan13, WLLZ18, WYL+22, WC23, WMSG09, WYGZ10, WMBT19, WL13, WWJ12, WC17, Wu18, WZ19, WZ21b, XK08, XYZ05, XAW17, YMW07, YZY09, YCC10, Yin09, You94, YWW23, ZTK19, ZZ18, ZYZ05, dMHJM00, von97, Alu96, BZ93, BPT93, BDP96, CGS+94, DS93, EB96, FGN93, Fre93, Kor93, Lan93, LV94, LL93, MMM+95, MMMY96, MS93b, NT20, NP93a, OS95, PS93, Saa93, Smi93, Wat94, LLS22b].
Algorithmic [APvDG12, HT16, Moo00, NL20, PXYY16, SW17]. **Algorithms**
[AB08a, AdVC00, Ain14, AMH12, AMHR15, ABB22, ABC+23, ACD95, ACK19, BCGR98, BDS98, Ban10, BH00a, BH20, Bar00, BHT09, BM05, BF95, BFK03, Bit99, BB15c, Bja19, BT97, BHM20, BTK19, BtVÇG+10, BM95b, BRZ14, BMV11, BHM19, BDG20, BWG11, CGK+98, CK02, CJH11, CGS02, CWC08, CCSS03, CH02, CKY98, CC12a, CD15b, CLLW20, CD01, CYVK15, CWY17, CRR18, CMM95, CDFQ11, DJMR23, DJ07, DAE02, DW17, DSC05, Dor98, Dor10, DW94, DG99, EHN12, EOZ94, EY07, FLX21, FMYT16, FWA+11, FSvdV98b, FW97, Fra98, FFS07, GaP08, GJSZ13, GLRS23, GLxY19, GTMP07, GST12, GGLT00, Goe94, GY09, Gon15, GG21, Gri94, GE96, GZT+19, HRV11, HM10a, HV01, HÖU+19, HK95, HW09, HMW07, IBWG15, IMS96, Jia14, JY21, JP97, KKK16, KCL16, KM97, KT15, Kar96]. **Algorithms**
[Kea97, KS94, KPL13, KK02a, KPP+16, Kir14, KEF11, LS99, Lan98, LCE22, LS94, LS22, LXES19, LZ21b, LGY+23, LK15, MCL19, MS07d, MNBK10, MO00, Mar09, MH16, MRS16, MT06, MZW09, MS07e, MDG+18, MW16, NH13, NKGG21, PVK16, PH13, PSSW15, PBJ+96, PBC05, RNR13, RT05, RMD08, RKvdDA14, RGG15, Ros15, SKMF15, SIDR15, Sch19, SR16, SIS96, SRT23, SDH21, SXK17, SvG08, Ste01, ST98, SWU16, SW15, SW10a, Sun95, Ten98, TAHR15, VMV15, VD23, WLX+13, Wei99, WNC08, WSP22, WDT22, XB16, XJS13, XCLQ20, YG15, YZ11, YFS21, YSZ14, ZT17, ZLLT15, Zha20, ZMqCS21, dWPR20, vdDA12, BGP94, BME93, BEM94, Car93, CG93, EG93, Göt94, NP93b]. **Aligned**
[GH14, GHS+09, MB13]. **Alignment**
[NKGG21, ZZ04]. **All-at-Once**
[lLN21, MPW18]. **All-Electron** [GHKL22].
All-Mach [BQRX22]. **All-Speed**

[ABBM98a, ABBM98b, AFMP15, AP99, BS08, BL23a, BP13b, Cao07, CPB13, CMK11, CDN16, DPF15, DMRR19, DFL20, DW05b, DK03, GMS02, GJZ18, ISG15, KLY19, KKR21, LZ21a, Lee10a, LPP09, MS13, MV94, MP08, MK96, MMV98, Pic03, Pic10, PABG11, Sch98, TLLL23, TLE12, WH15, WYT18, WY19, Win10]. **Anisotropically** [GHH07]. **Anisotropy** [BT99]. **Anomalous** [CK17, CLAT10, CHL16a, CHL16b]. **ANOVA** [BPS22, CRO23, ZCK12]. **Antarctica** [HPR22]. **Antenna** [ATV07, BH07]. **Antidiffusive** [BCV13, MS98]. **Antipersonnel** [XK08]. **Antiplane** [GT98]. **Antireflective** [CH08b, SC03]. **Antoulas** [DJMR23]. **Any** [Ain14, AGK18, Bja19, CCF14, PCFN16]. **AP** [Jin99]. **Aperture** [BL03a, BHR23]. **Application** [AdSGC12, ABdSF15, AKW17, AMH11, ACG20, AH20, AHDK14, AWA$^+$18, ALM22, ACCP13, BG22, BLV17, BGL$^+$21, BBH18, BCC20, BG05b, BHL$^+$20, Bla03, BLGL11, BBMR03, BCY21, BDR18, BTGH12, BTGMS13, BG13, BFSN08, CGL$^+$12, CGO22, CCG14a, CTB15, CM98a, CM98b, CH17, CS18b, CBK18, CHKsL20, DMM$^+$08, DOKM22, DKL$^+$19, DKO12, DCSO10, DKS21b, EBSS$^+$11, FVV21, FHL$^+$23, FDFW07, GLM22, GTMP07, GM21, GSV20a, GGOY02, GV13, GRL10, GW98, GJ07, GL10, GC16b, HKA$^+$21, HSS08, HKL23, Hen05a, HDZ16, HPZ19, HBSC97, Hua05, HTH$^+$16, Hwa07, ISG15, KOV15, Kra12, LQ19, LCH09, LSV17, LLS13, LLS22a, LW12b, LW14, LYL$^+$11, LJL98, LCH99, LPP09, MR04, Man99, Mar01, MWBG12, MMV98, OS14, OW00, PGLD96, PS19a, Pel18, PTSA23, PMSG14, Pic03, PQR20, PP13, PS10b, QZZ19, RWA95]. **Application** [RDB16, RSA05, SBK13, SGS22, SCM10, SP02, SO10, SF99, TP18, TET10, TZ14, TTY16, TYUC19, Wab05, WRB$^+$15, WFG$^+$20, WCG23, XYGO01, XYZ05, YSX17, Yan14, YZ05, YPHH17, YR12, ZHQ20, de 99, Ber97, CSS93a, DG95, MMPR93, YGCP96]. **Applications** [AE18, AKM$^+$14a, ACK19, BF01, BOR97, BGGM22, BTY08, BM10b, BR09, BC09b, BP22, BGMW17, CB98, CEOR18, CIZ16, CWY17, CL08, CL21, CFM96, CGI11, CDW14a, CDW14b, CGMV05, CST16, DEM$^+$20, DF20, DTV13, DGSW10, DMM20, DRW20, DW05b, DSL21, ERSZ17, Ema10, ES00, FMYT16, FKTW10, FFSS13, GaP08, Gar00, GRPG01, GU17, GLW18, HT09, Hri03, Hri05, HS21, HiH18, Jia14, JZX$^+$21, JLYZ23, JED10, KK18, KR17, KPÇA12, KVMK01, KLL$^+$16, Lee13a, LZ01, LWYxY18, LTG22, Log03b, LD04, MRFV18, MSL13, MSW05, MZDK22, PPS22, PH13, RGG15, Rub12, RCLO18, RKW20, SM17, SPS18, SZ06, SY10b, SY12, SW16, SZ00, SS03, SZS97, Smi97, TPT$^+$16, WS07, WS06, WM05, XZ10, YMM14, ZWH$^+$14, ZWZ19, Zyg11, CC96, LCW95]. **Applied** [AA13, BLS14, BMV13, Bur23, CV07, CBS00, DDGS16, DLM16, DHJW08, DHE13, GLOR16, HML$^+$04, HLP08, KM98, LP22, MNS07, MP20b, NM13, PKD13, Ser06, VSBH99, ZG23]. **Applying** [CHH19, Che16, DJ07, SS10a]. **Approach** [AK09, AJ22a, AP97, ATV07, ACW12, AB21, ALZ14, AdSK19, ALM22, ADLW19, BCS07, BDM$^+$18, BO06, BC02, BLMS21, BLMS22, BTY08, BHST08, BCCX21, BGR16, BP06, CF07, CW14, CS18b, CV94, lCCVEKV17, CN10, CH09b, CRV13, CE17, DHS22, DGS08, DTR21, DMN08, DP03, DCL$^+$21, EVLW17, EK14, EK10, FR10, Fli13, For95, FKRH22, FGH$^+$08, GMP19, GB98, GM20, GK98, GLT09, HNU23, HKLW21, HHvR03, HW03, HT16, HM19a, HTW$^+$12, HSTH18, Hor10, HC98, HCL23, HLZ13, HSY20, HSSZ09, IT09b, JK12, JR19, JZ13, KV20a, KR23, KHE07, KSD10, KY03, KLT06, KL13a, KS15a, KRDL18, KSW20, KZ16,

KBP17, LCG21, LPP19, LSN17, LLSX21, LW15, LW12b, LL20, LW20a, LB07, LB08, MT19a, MFJ19, MKWG15, MO10, MDM15, Mis01, MR18, MM07, NL20, OS14, OB08].
Approach [PVV11, PSLG14, PQOB14, QGVW17, RWDL19, RS02, SCC17, SB15, TGS08, TPT$^+$16, VS17, VO19, Vog16, WL04, WZB$^+$23, WE13, WBS$^+$17, WP98, Wic17, WB08b, XKKN22, YY18, YBM$^+$18, ZK14c, Zen16, ZCE06, ZH09, ZV22, Zim14, ZVF18, dFL05, dSK11, vdZvBdB10a, vdZvBdB10b, LL94, RG94]. **Approaches** [CL22, CS23, CSW14, KRR23, KY19a, LZ04, SW09, ZLLT13, DS95a, Rot96].
Approximants [GSS12]. **Approximate** [AP14, ABC00, BMT96, BT98, BT00a, BCT00, BBFJ16, BCFJ19, BB05, BC13, BT99, BT01, BGMR01, BJW18b, BH14b, CDGS05, CBG12, CK23, CBCR14, CS97, CS98, Cho00, CPD17, CST$^+$13, DKDH20, DH16, DOKM22, DW05a, EHS$^+$05, Ema10, GWMG03, GNL14, GS98b, GH97, GNYZ18, Gur04, HC05, HLR18, HWS05, JFG15, JP08, KM97, KRT16, LRW96, LGY$^+$23, LK21, LGCL21, MG09, MRS18, MXB15, MMA98, NP10, RT10, Reu99, Saa03, SE11, SE13, VBA18, VW98, WZ03, WG20, ABS96, EOD93, SS93b].
approximate-factorization [SS93b].
Approximate-Inverse [GS98b].
Approximating [AD21, GKNW18, GWBW22, HMAS17, OSS22].
Approximation [AN17, ACD23, APZ13, AG18, AJ21, ADKM03, ARM$^+$19, AT19, ADS21, AFRV19, ABB23, ARM23, Bad21, BG14, BGN07, BGN08, BPS22, BW20, BG98, BBKT15, BG17b, BSX22, BS23a, BB15c, Bja19, BKS16b, Bör07, BP13b, BGH23, BHW99, BTGH12, BFI07, CGGP19, CGGGS15, CLL20, CZK15a, CNP12, CH08a, Cha07, CL23, CSZZ20, CRO23, CL08, CL21, CKO15, CMM95, CE16, CPB19, DU19, DLY16, DB94, DP20, DQQ13, DHPAH19, DKS21a, DKS23, DFW21, DGB15a, DGB15b, DHO12, EL03, ERL22, EIJH20, EIL01, FV06, FS05, FNTB18, Fis19, FT03, FDFW07, GJ08, GSWZ20, GHHK15, GS18, Gee19, GPW22, GI17, GN19, GC19a, GOS12a, GG21, GT94, GG09, GOV06, GCD18, GPSY17, GNPT18, GdLP$^+$18, GNYZ18, HVK18, HLW00, HC18, HR99b, ILW17, IM98, JNZ17, JK07].
Approximation [JP16, JKL22, JSPC97, JKY21, KK18, KR14, KLS$^+$15, KK13, Kaw17, Kaw18, KPP$^+$16, KP21, KK09, KS11, KG18, Kra12, KLL$^+$16, KKK18, LMM18, LPS10, LLW16, LZZ18, LSY19, LWW20, LSM22, LCL18, LYLC21, LLJ22, Mar01, MRT00, MKB22, MNvST13, MR94, MNZ15, NZZ06, NST18, NJ14, NCCR22, NSK10, PSA99, PPT11, PSSW15, PCD17, PC98, QRV21, Rah96, RO15a, RW07, RC23, RAT18, SStM23, SY10a, SY08, SX16a, SX17, SZ00, SP16, Ste99, ST11, Str00a, TE07, TWK18, TWJ$^+$23, TYUC19, WR13, WLE$^+$00, Wan12, WH15, Wat04, WY09, WSX17, XL18, XKKN22, YSX17, ZKN20, ZZ22, ZZL22, ZRK15, Ain96, AE95, McG95, NT20, NCV06]. **Approximations** [AD19, ABHS22, ABBT$^+$20, BH14a, BKS16a, BKFG19, Bru15, CR23, CKK20, CAS11, CGP22, CJ95, CM13, CHH01, DD13, DL20a, DMSC18, DF21, EZ11, FLU$^+$20, FWA$^+$11, FJHM19, GP99, GT06, Gos12b, GMS02, GPT22, HHS$^+$16, HMAS17, HM19b, HBS00, KP09a, KM97, KS99, KL05, KD20, KEC23, MMZ03, MS13, MW22, Nap23, RT01, RPM23, SL10, SSC$^+$15, SCW$^+$17, Str99, Tal15, WGT14, ZD09, ZNX14, vdEH05].
Approximative [KKS08]. **ArbiLoMod** [BEOR17]. **Arbitrarily** [DS16, GZW20, GHS$^+$09, HN19, KMV99, KZ16, LYZ20, RMB00, Yan22]. **Arbitrary** [ADR14, AAD11, AS16, AD18b, ACK19, AIV98, BEOR17, CL10, GPSY17, ISS19, JM18, KPS19b, MBGV16, MH16, MYN20, NSK10, PP97, RT99, SG04, TC12, WK06, Wan22, YYY11, DR93a]. **Arbitrary-Order**

bicubic [Bia94, BR95]. **Bidiagonalization** [BR05a, GH15a, JN10, SZ00]. **BiDirectional** [ZNZ16]. **Bidomain** [CS18a, HPS22, MPS09, PS08, PS11a, PS11b, WiOH08]. **Bifidelity** [YZL20]. **Bifurcating** [PQR20]. **Bifurcation** [BBKK97, BPB07, BDF08, BFP22, BFR23, GGKM07, CC97, MCJN94]. **Bifurcations** [EMSW12, GKD05, GM00b, Kus00, KM05, SSH06, GM96, WAS94]. **Big** [DJM16, KY14, YYWY18]. **Biharmonic** [ADGM98, BACF08, BK00a, BK10, CDH98, GL21, HJ18c, PMH+16, TX17, CDH97, Zha94]. **bilevel** [CV93]. **Bilinear** [AGI16, D'A00, KRR23, SDH21, ST11, Wan01, Won16]. **BILUM** [SZ99]. **Bimatrix** [AHJS01]. **Binary** [Ant22, ALM22, CDM+13, DDE+20, FNL+19, GZYW18, GZW18, GX20, LQZ22, Yan21]. **Biochemical** [SAE10]. **Biochips** [Kös07]. **Biological** [DLM16, KBK+08, Kim08]. **Biology** [DTT+16, LNA+11]. **Biomedical** [JED10, GLM22]. **Biomolecular** [LS16a]. **Biophysical** [HDB08, MTM08, SSM+20]. **Biorthogonal** [BB15c, WB00]. **Biostatistics** [HBSC97]. **Biot** [BBD16, BKMRB21, LMW17, PRM09, Ros06a]. **Bipartite** [ABL+20b, CL21, DHPAH19]. **Bipartitioning** [AKA13a]. **birthday** [PS97]. **Bisection** [AGK18, AMP00, CCS97, HO15, LJ95, MC09, Mau95, ST97]. **Bit** [HJLZ18]. **Bivariate** [HHL07, PH16]. **Black** [BMM98, CRO23, FNL+19, JK07, Yav96, iW11]. **Black-Oil** [BMM98]. **BLAS** [Lan98, QOSB98]. **BLAS-3** [QOSB98]. **Blast** [DMM+16]. **Blast-Induced** [DMM+16]. **Blendenpik** [AMT10]. **Blending** [OZ16, OSCE00]. **Blind** [EK14, SX11]. **Blobs** [Ros05b]. **Bloch** [HJMS07, LZ17a]. **Block** [AKA13a, AAB+15b, ABLM17, ABLM19, ADRS95, AGHJ23, APÇ04, BCR03, BGLY05, BGL06a, BDJ05, BHL+20, BS96b, BD05, BHK20, Buv21, CGL+12, CGL+13, CMS17, CST+13, CST16, DSW22, DFDM19, Di 97, DF99, DSS20, DGRZ15, DLRT23, DLP+21, EHS+05, GWMG03, GvR22, GG03, GG05, HS17, HKD13, IM99, JFG10, JF11, JFG13, KR17, KN21, KL05, Kla98b, Kny01, Krz01, LJ93, Lin16, LSS03, LWZ13, MSS10, MM95, MM98, MMN00, NP93b, PL03, PS11a, PMH+16, PEC+14, PSC+16, PV15, RHL+21, RKLN07, RWKW14, RWWK15, RT99, SZ99, Saa03, SR18, SBX+08, Soo16, SH14, Ste08, SFM20, TSK09, TMA18, TMA23, VV13, VD23, WX99, WWYX20, WG20, WL20, Xie05, Xue18, YDF97, Yan19, YFS21, Zie12, dSL05, AM95, CMV97, CS97, FS96, Jin95, RG94, Rot96, CPV95, KALO07]. **block** [CMV97]. **Block-Based** [Yan19]. **Block-Boundary** [IM99]. **Block-Circulant** [WL20]. **Block-cyclic** [LJ93]. **Block-Diagonal** [APÇ04, VV13, dSL05]. **Block-Greedy** [Lin16]. **Block-ILU** [CPV95, CMV97]. **Block-Lanczos** [BCR03]. **block-oriented** [RG94]. **Block-Parallel** [GG05]. **block-partitioned** [CS97]. **Block-Preconditioner** [PV15]. **block-size** [CMV97]. **Block-Structured** [GvR22, GG03, RKLN07, SR18, Zie12]. **Block-Triangular** [Kla98b]. **Block-Tridiagonal** [BHK20]. **Blocked** [MV16, Nov15]. **Blocking** [Gup17, MHL+15, RZTK+15, SKJ+13, VMV15]. **Blocks** [FFSS13]. **Blockwise** [CEJ+10]. **Blood** [DMM+16, DCSO10, SZZ21]. **Blood-Brain** [DMM+16]. **BLOPEX** [KALO07]. **Blow** [ADKM03, BGK15, BWZ10, BHR96, CGKM16, MW22]. **Blow-Up** [ADKM03, BGK15, BWZ10, CGKM16, BHR96, MW22]. **Bluff** [Hof05]. **Blur** [NO98]. **Blurring** [RG20]. **Bodies** [BCF01, CSW99, CP13, MP20b, TUV10]. **Body** [AE18, BBBV13, BOF16, CL18a, CFSZ08, FHH+18, Hof05, JvGVS13, Kra09, KL00b, LXZ20, Sha12, SU15, Ten98, XCS16, Alu96, BME93, BEM94, CSS93a]. **Bogoliubov** [TXZZ22]. **Bold** [CWY23].

[SO18]. **Compressed** [Ash95, DFG15, KMSM14, SSVW17, YLHX15]. **Compressibility** [KWD22]. **Compressible** [ACL09, BDK+20, CZ22, CD01, DSB99, DDGS16, DL17, DL20b, Egg18, Ein19, EHY21, GY17, Hes98, HC95, Ld12, Le 01, LD05, LXS+08, MABO07, PCFN16, PM15, RSD+20, RHSK11, SA99, Sha21a, WLK06, YC14, HG96, Hes97]. **Compressing** [Mar16, XC20]. **Compression** [AKW17, ATWK19a, ATWK19b, ATWK20, ACG20, BWB19, Bör09, CGMR05, DFH+19, EGLS21, FDH+20, GLL01, LN03, LGCL21, SYZO15, Tad20, WG12]. **Compressive** [AK15, HJLZ18, TCDS21, YZ11]. **Comput** [BEM94]. **Computable** [ABR17, HHS+16]. **Computation** [AP19, ADLR15, AP01, AHHR16, AVW13, BZ10, Bal00, BS96a, BS05e, BAFF00, BM18, BL04b, BSV19, BKH+22, BMF12, Bog14, BWS20, BtVÇG+10, BBK06, BDMFSL04, CDY07a, CFSZ08, CPT05, CBCR14, CV98, CJ99, DS20, DP17, DM16, DK11, DLP05, DGP18, Drm97, DGK98, EL01, ELtHR00, Fli13, FB19, FDFW07, FSV22, GH13, GGS19, GSS12, GS12, GKM+17, GST12, GST19, GLL21, GI99, Gub96, GD03, HT13a, HHLS15, HAG17, Hof05, HKB21, HS18, HKM97, HK02, IBM01, Inv02, ISS06, JLY08, JM18, KB96, Lab05, LCG21, LLHF13, LS94, LX12, LMR97, LH00, LCH99, Lui97, MH16, ML11, Mit23, NP14, PSKG13, RO15b, Sch10, Sei95, SL09a, SWT00, VBA18, WWH17, WT01, XLS18, XD21, ZLBC03, ZZ18, ZLY+18, vVKA11, AD96, BZ93, Tsy97, WM93]. **Computational** [APS12, AHT12, BB17, BBP13, BH20, BMMR20, BS04, BCG+10, BWZ10, BTGMS13, BTLZN22, CHH19, CC98, ÇKAA22, CHL06, DMM+16, DTT+16, EHW00, EMT09, GGLT00, GM14b, GK05, HP20, HC21, JHJ12, JKR08, KN21, Kou09, Kra08, LCR+16, MW11, NK15, NL20, PMSG14, PDE+17, Rav05, Ros97, SD10, Ste00, TP21, TGS08, TCCK18, Tsy99, TAHR15, Wan07b, Wan07a, WMSG09, ZWH21, Zim14, AP93]. **Computationally** [DFN12]. **Computations** [BK07, BP97b, CS94, CDK21, CX08, CSW10, Dul98, Fai03, FLF11, GTK+17, GH07, GCB04, HL95, HJ19, JR96, LKvBW10, MCL19, MRL+17, Nat98, Nie16, OSCE00, Pek12, SW03, TW96, WRS17, ZCW10, OA93]. **Compute** [Che16, KR17, TW95]. **Computed** [HAN19]. **Computer** [CGDD11, GV15, HKC+04, HTH+16, vdHCDD15, MH95, YGCP96]. **Computers** [BDD+97, HKR02, HW94, Goe97, NP93b]. **Computing** [AEFM17, AS16, AMH11, AMHR13, AMHR15, AM18, ABB09, ADL+12, ACO98, AKBM21, ADF+19, AT15, AMB+94, ABL+20b, BBP21, BD93, BCT07, BFKY11, BD04, BL08a, BLS09, BMTZ13, BR19, BM12, BMF12, BT20b, BS96b, BGSV15, BGR16, Bru18, CCQ16, CCRT21, CAS11, CHJ16, CC18, DR93a, DLY17, DH16, DDF00, DOKM22, DCB22, DL22, FKMR19, FGL09, FMYT16, FGM95, FKN+20, GH15b, GWMG03, GTMP07, GMvdV19, GST09, GvR22, GGGL10, GSR19, GE96, GM96, GM00b, Gug16, HNS08, HV01, HK17, HHL15, IFSJ21, JN10, JSCB20, JED10, JW05, JP11, KV96, KMV99, KMV05, KPÇA12, Kei09, KRR23, KPU21, LS20, LCN14, LR10, LSU11, LL11, LWZ13, LL20, LC21, LYZ23, LGC+23, LT12, LR98, MV00, Man99, MV16, MB99, MW01, MG12, MAH22, MvdM21, NH18, OKdSG17, PFS21]. **Computing** [PP97, Pet93, PSLG14, PK19, RL18, RM08a, Ros15, RX18, SIDR15, SBP04, SRT23, SBM07, SS03, SXK17, SO10, Str93, Swa02, TS11, TXZZ22, TV98a, TWL21, TWW16, VMV15, VK15, Wan97, Wat98, WTW17, WTS94, WkZ15, WS15, XS16, XCLQ20, YZ07, YZ08, Zha96, ten95, DS95b, RST93, Tre93]. **Concave** [LNS96, NNT13]. **Concentrating** [LL02].

Concentrations [JW05]. **Concept** [SNB16]. **Concepts** [GW00, vD03]. **Concrete** [CST16]. **Concurrent** [AKBM21, PWM22]. **Condensate** [BH08]. **Condensates** [BD04, BS05c, BL08a, BLS09, BMTZ13, BR19, LC21, TXZZ22, TCWW20]. **Condensation** [DKL+19, KV20b, SP16, VP14]. **Condensed** [KV20a, DHM+23]. **Condition** [AMHR13, AGK18, BH00b, BCI22, BCH12, BHP98, CCG14a, FH21, GH15a, HLLM15, HR14, KR17, KL15, KL94, KLR98, KKS21, LX08, RL10, SV08b, SV11, WL04, Wan04, Win06]. **Conditional** [AE22, MW22, TMM20, YWL21]. **Conditioned** [BS07, BCAG22, CH17, CCS98, Du16, FKN+20, MFJ19, PS01, WSZ14, Di 95]. **Conditioning** [BBC07, KR00, SBC93]. **Conditions** [AHZ17, ABHS22, ABIN20, ABK11, BHV05, BMDO16, BV20, BBS19, BBS22, BK18, BTT13, BG04, CH08b, Coa12, DTY20, DGK23, Dor10, EO15, EO16a, FJ99, FDS13, Fro12, HG02, HHT03, Her08, HMMS22, JK21, LRD+04, LZZ18, LP03, LS02, MRS04, Mal07, NCT99, NV08, PJZ23, Pat97, QX08, Rei20, RK07, RMD08, RSSZ08, Sch09, SC03, SD11, TVA02, Tsy99, UW94, Ush01, Vil09, WMHK19, WX17, XL20, XW05, HG96, Tsy97]. **Conducting** [AKLP10]. **Conduction** [Don06, SCM10, SK05]. **Conductive** [BK98, BK99]. **Conductive-Radiative** [BK98, BK99]. **Conductivities** [MS03]. **Conductivity** [Du11, EIL+09, Tim19]. **Cone** [GY05, KO05, ST03, ZYSL15]. **Conference** [Ben15, MY21, Ben13, Ben17, BD23, Tum10, TBC+11, Vas05, Yav19, vdV01, vdVDE+02, vdVDE+03]. **Configuration** [CL03, LW20b]. **Configurations** [ACK19]. **Conformal** [Ama98, DP98, DV98, HQR19, HT09, ISW18, Nas09, NAS13, Por01, SO15, WK18, CDH97]. **Conformation** [BTY08]. **Conformational** [MTM08]. **Conforming** [DMMO05, DTYY18, Gär09, GSV18, HZZ20, HGPM14, JGZ06, LMM17, RKL09, ZWZ19, JK11]. **Congruence** [PLT+21]. **Conical** [GST09]. **Conjugate** [ACY+20, ABF96, BMT96, BCT00, BBFJ16, BCL99, CRS+18, CDH98, CC20, DLZZ17, DFG15, DEC05, DGLW16, Fie98, GY99, GH99, GLC21, HQR19, JvGVS13, Kny01, Mou20, Not00a, PF12, SYEG00, Spi16, SO97, VP14, NP96]. **Connected** [DP98, DK11, HQR19, NAS13, NN18, RD21]. **Connecting** [DDF00]. **Connection** [GSS12, BP97b]. **Connections** [KR12a]. **Connectivity** [BMV11]. **Conquer** [HLD12, KMR19, LT09, LS13b, NH13, OX22, TD99, VXCB16, VTD12, LL93]. **Conservation** [AB02, AD06, AGH00, BLMR02, BF16, BBSW94, BGGM22, BPR99, BT20a, BBC+21b, Bur23, BG13, BFSN08, CHR02, CGV18, CW13, CW14, CW16c, CLL13, yCWHJ12, CK94, Dk00, DMMO05, DGLW16, DS16, DBSR17, DB07, FMR06, FK19, FK21, GR05a, GB12, GMS02, HH02, HBL05, HLM+09, HC20b, ISS19, JT98, JSZ13, KL00a, KNP01, KPP07, KPW17, LPR00, LPR02, LLLX16, LD16, LST20, LN03, Mar94, NMAB11, PPR05, PPRS19, QS18, QS08b, SL11, ST17a, Sem10, SMR01, SJD14, TW12, Tor12, TLE12, TW95, VS03, WDG+18, YHQ12, ZD19, ZQ17, dLRT09, BH97, Pem93]. **Conservative** [AHH12, AHR12, AS05, BOB+19, BKMRB21, BBT19, CL22, CZ22, CH94, yCWHJ12, DS16, Egg18, EL19, FL19, GBCT10, GJ07, KP22, KWD22, LLW16, LW16, LNZ19a, LNZ19b, MRI21, MRKS21, NH14, PPRS19, PM15, PKA22, Rei18, RG09, STCK21, Sha21a, SL09b, SL22, TT20, Yan22, YHL19, YYY11, ZHQ20, ZS23, ZCQQ21]. **Conserved** [AF22]. **Conserving** [AH06, CL97, CD20, DG09, HLMM06, LW12a, MKRK13, vSRV11]. **Considerations** [CC98, FK97, Moo00].

BBH18, BGGM22, Ber98a, BH11, Ber95b, BG05b, BK00b, BIK02, BH08, BvW09, BFP22, CP04, CGR14, CF00, CP03a, CK03, CP07, CPT05, CK98, CBDW15, CHH01, DHS22, Ded10, DZSN09, DZ12, DMBB10, DP19, EN16, ELM21, EM96, EHW00, EMT09, FL02, FR23, FÖ21, GPS95, GSS22, GM11, GS97, HS05a, HSB12, HN06, HHW00, HR99b, IR98, KK18, KB08, KLS+15, KL12, KW10a, Kul12, KW15, Kus97, LPSB17, LV07, LSTY21, LU17, LP22, LLX15, LM14c, MSS10, MZDK22, MRW15, MP08, NRMQ13, OPRB06, OS15, OSS22, PBP14, PS13, PG22, PMSI21, PST15, Rav05, RW11, RW13, RL13, RW06, SMN10, SBMR18, SRW+18, TUV10, Wan07a, WG12, WL20, Yiu95, ZWH+14, ZFwCW15, dCFC20].

Control [vWBV09]. **Controllability** [CFGLT22, NMS06]. **Controlled** [vLH14]. **Controller** [WOP23]. **Controllers** [AK04, OSS22, Rav02]. **Controlling** [Rub12, ZSD+10]. **Controls** [GXY15, HJ18b]. **Convected** [IR98].

Convection [ABR17, Ber95b, BBM+15, BDK12, BKS98, CLK18, CKV99, CDG+09, DMS01, DT00, DMRR19, FMM98, GR05a, GKV00, GM21, GB06b, GV98, HR99a, Hei96, HY10, JJK23, JX13, KGM+08, KGM+11, Kol99, KL00a, LE10, LP96, LMR98, LRD+04, LS05b, Lu95, MZ19, Not12, Pol16, TUV10, WX99, WE06, XQX15, ZLS12].

Convection-Diffusion [BBM+15, BDK12, BKS98, CKV99, FMM98, GKV00, GB06b, GV98, KGM+08, KGM+11, KL00a, LP96, LMR98, LS05b, Lu95, MZ19, Not12, TUV10, WE06, XQX15, ZLS12].

Convection-Diffusion-Reaction [ABR17, CDG+09, DMRR19].

Convection-Dominated [Ber95b, CLK18, DMS01, GR05a, GM21, HR99a, Hei96, HY10, JX13, WX99].

Convective [HHT03]. **Conventional** [LZ04].

Convergence [ABF96, AAO23, BK04, BVW03, BJW18b, CDH98, CH02, CK19, CL18c, DH21, DH95, DKPS17, DV20, EH18, FS02, FP14, GJS19, Gee19, GGL07, GG18, GLC21, GK11b, HHSW11, HSN+20, HBS00, IM97, Kol99, KBD21, LZ02, LNZ19a, LS05b, LR20b, MS19, MW03, Mit23, NN12, PHW19, QS08b, Red99, Ros05a, SO15, Son12, SZW20, SLC01, Tao22, VL10, Vil09, WMSG09, WZ15, WX17, YWW23, vdVY00, BY93, HLS93, Lei93].

Convergent [Abg09, BB10, BK08, BM01a, BH23, CGO22, HO18, KLZ22, KK23, LWZ17, NN19, Ros96, STY21, TBKF14, WYT18, XK08, YSK19].

Conversion [CC11]. **Convert** [DTY20].

Convex [AP01, BV03, BW20, FKQS17, GNPT18, KY19a, LNS96, LTW18, MK96, OK13, SCDM+10, TV98a, ZKN20, Zha20].

Convex/Concave [LNS96].

Convexification [GPZ17, XK08].

Convexity [LR99, Obe13].

Convexity-Preserving [LR99].

Convolution [ARM+19, Ban10, BSS17, DD13, GT06, GJZ18, HT14a, HS06d, JLZ17, KKT13, LFLS08, LS02, PGLD96, RO15a, RWA95, SLFL06, WX17, XAW17, XL18, ZW03].

Convolution-Diffusion [GT06].

Convolution-in-Time [DD13].

Convolutional [TP21]. **Convolutions** [AT19, BR11, MMS23]. **Coordinate** [CWY17, DZ12, DFDM19, DR13, MB13, MHS98, PXYY16, QZZ14, TLLL23, VS23, WWYX20, YPN+01].

Coordinate-Stretching [DR13].

Coordinate-Update [CWY17].

Coordinates [BMTZ13, BN00, CDF18a, CM98c, HK02, LWCL03, PKS21, QDKW18, ZWP21].

Coordinatewise [LLW19]. **Copolymers** [CGO22]. **Copper** [Ben13, Ben15, Ben17, BD23, MY21, Tum10, TBC+11, Vas05, Yav19, vdV01, vdVDE+02, vdVDE+03, Vas07]. **Core** [ADL+12, GKN18, Ros96, RS99, RTR+16, AGL10].

[DGP18]. **CUR** [KG18, SE16]. **CUR-Factored** [KG18]. **Curl** [BVV08, DFW21, DFW22, HZZ20, RC23, ZWZ19, Doh21]. **Curl-Curl** [BVV08]. **Curl-Curl-Conforming** [HZZ20]. **Curl-Free** [DFW21, DFW22]. **Current** [AGHJ23, CCCZ10, IHTR12, JLZ16a, KL12, RH09, WKM+07]. **Curse** [OT09]. **Curtis** [EJJ08]. **Curvature** [Bru18, CS94, DN19, Kog22, KKK18, LCG21, LTG22, Ren15, Tim19, Vog16]. **Curvature-Augmented** [Vog16]. **Curvatures** [BG20]. **Curve** [BM11, BR14, BH16, COZ96, KK02a, MNRI19, ZD19, HO93]. **Curved** [CH09a, CW13, CW14, CS12, DL19, Far01, HSMT20, HT16, MAH22, SF08]. **Curves** [BBSV10, DD00, EL01, EL03, GST23, GMPZ06, Hel11, JED10, Kog22, LNS96, MK96, MV06, RV22, SL20, YH17, YH19]. **Curvilinear** [AORW20, BS03, CHW17a, CFJT18, CM98c, DKR12, GHTW00, Giu22, HLW13, KP12b, PKS21, War13, ZWP21, Zie12]. **Curvilinear-Orthogonal** [Zie12]. **Cut** [BCM15b, CCS97, EMNS20, FK21, GSM20, LYZ20, LTzT21]. **Cut-Cell** [LTzT21]. **Cut-Off** [LYZ20]. **CutFEM** [BEH+19, BHL22, CBK18]. **Cutting** [DP07, JED10, Pet99b]. **CWENO** [FK19]. **Cycle** [Fer98, KSB11, Kwa99, VL10, BGP94, TW93]. **Cycle-Convergence** [VL10]. **Cycles** [AY23, FD03, GKD05]. **Cyclic** [AP97, CWY17, GM21, Pen00, Reu99, LJ93]. **Cyclically** [GV98]. **Cylinder** [HLP08, NH12]. **Cylinders** [CFM96, GP96]. **Cylindrical** [HW15, LCH99, She97]. **cylindrically** [WM93].

D [Mir21, ACD+08b, BWV15, BH97, BI09, BK14, BIA99, BIA05, Bur97, CMV97, CP13, CWL+14, CCC18, CD01, CDB13, CGX21, CMSS06, CH11, DHM22, Don06, FMW19, GH13, GvR22, GV16, GD03, HA01, HHLZ21, KW07, KAU18, KP06a, KLZ22, KC16, Kra09, KNV+16, LRP07, LS12b, LFJS14, LYL+11, LW03, Min02, NN03, PATF19, PTT20b, PS10b, PWGW12, PELY13, PRSS11, RL18, RH06, Sma01, VB07, WZC19, ZNZ16, ZND18, ZCW10, vVKA11, vdSF21]. **D-RBF-PU** [Mir21]. **DAE** [CLPS03]. **DAES** [Bar05, ABST13, AL97, GLMS22, SBS98, SKP22]. **DAGs** [HRS10]. **Damage** [BA05, BL23b]. **Damped** [BV09, EKLS+18]. **Damping** [EDGL12, HWZ19, Kol99, WWJ12]. **Dantzig** [FLX21, WY12]. **Daphnia** [BGSV15]. **Darcy** [EZ11, ACL09, AHT17, BKKM22, BT13, CDF18b, CLS16, GHMY18, HLLM15, LTW18, LBHH22, VY09, XZ10, Zha22b, ZS23]. **Darcy-Flux** [EZ11]. **Darwin** [LM15]. **Data** [ABKS16, ATWK19a, ATWK19b, ATWK20, AVBTG17, ACLZ15, AKM+14a, BDS98, BL03a, BLS06, BG10, BB08a, BzCS11, Ber00b, Bör09, BT20a, BBC+21b, BZ97, BGR16, BTLZN22, BFI07, CBHB19, CHL20, ÇKAA22, CPT05, CH09b, CKLN98, CE17, DGS08, DJM16, DG17a, DFH+19, DKS23, DMM18, DMM19, DSZ13, EPSU09, FDH+20, FS12, FS13, GSWZ20, GLS08, GS12, GPA18, GGB22, GH14, GMPZ06, HMST11, HHS+16, HW99, HKC+04, HM20a, HC18, Hok20, Hös94, IS17, IA14, ILW17, JL19, JL20, JLZ16b, KTB14, KLN20, KY14, KLS08, KP05, KHW+14, KP07, LOSZ07, LMM18, LR99, LNS96, Li99, LLSX21, LZ13b, LS09, LB07, LB08, MKW23, MZW09, MDC08, NNT13, PS18, PGLD96, PGW17, Peh20b, PVK16, PCL+16, PR22, PDC99, PS12, PJ96, QCJX21, RSNNR17, RLG98, RDB16, RNR13, RG20, RBG23]. **Data** [SDNL10, SX16a, SKN19, SKJ+13, SX11, SW10b, TP18, Tad20, TZ18, TP21, TBKF14, Til15, UWWP23, WDT22, Wil09, WQX20, XMRI18, YCZ13, YS16, ZCC+16, ZFHS15, Zim20, dSGS22, DR93b, Gu93]. **Data-Assimilation** [TZ18].

[ABCP08, KRDL18, PRM09, Ros06a]. **Deformation** [GKT09, MGDB19, PWGW12, SXL+22, YSK19, de 99]. **Deformations** [DZ08, EHLW20, GBS+22]. **Deforming** [Ros05a, Ros05b, SGS22, TK13, ZHQ20]. **Degenerate** [BCF12, BBM+15, CLST03, CHL16b, LSZ11, Slo02, WY19]. **Degraded** [NO98]. **Degree** [Ash95, CF23, DEV16, Gre03, Hok20, IMS96, NP17, SV11]. **Degrees** [HHL07, Lin06]. **DEIM** [SE16, WSH14]. **Delaunay** [CWL+14, CC06, CC09, CC12b, DV98, FCC10, Gär09, HGPM14, Joe93, JGZ06, LC05a, LC08]. **Delay** [BP97a, BMV05, CZK15a, ELtHR00, HV04, HXB11, HXB13, JMM10, Kus00, May08, SSH06, TSK09, WRSZ18, ZCZK14, ZPE12]. **Delay-Dependent** [HV04]. **Delay-Differential** [SSH06]. **Delays** [HV04, PvdVvG17, SE11, SE13, WZ21a, XZB11]. **Delta** [SJD14, Wen08, Wen10]. **Deluxe** [BPS+14a, HPS22, WSP22, ZT17, dVPS+17]. **Demonstrated** [PWM22]. **Denoising** [AKM+14a, CC10, CC03, CMK11, HID23, LLZW19, VO96, WNC08, WY13]. **Dense** [BOR97, BDvdG05, Bör07, Che98, CPD17, DB98, FT03, HLD12, HW94, HJS99, Hog13, LXdH16, Nat98, PPB13, Rah96, RZTB22, ST17b, ST19, TMA23, WLX+13, Xia21, Yan94, LJ93]. **Densest** [TGPK23]. **Densities** [BJW18b, CCRT21, GZYW18, Gub96, KKS08, SY10a, XLS18]. **Density** [AM05, BR19, Bar12b, BTGH12, CK17, DKS21b, EMT09, ES00, FGMP13, FGMP14a, FGMP14b, GHKL22, GKM+17, HNU23, HSF07, KY19a, LY13, PATF19, PCL+16, Red99, RN14, TV98a, UWY+15, WK18, vdSF21]. **Dependency** [Til15]. **Dependency-Aware** [Til15]. **Dependent** [ATK12, BS15a, BFN17, BCM11, BFS16, BCCX21, CB98, CCG14a, CEJ+10, CCA20, CIZ18, CBS00, DL20a, EKSW15, FEL18, Fu21, GN19, GLOR16, GC17b, HJ18b, HV04, Hwa07, ISS19, KPS19a, Kna98, LH00, Luo19, MCL19, MO00, ML11, MNZ15, PNW16, RPK18, RZ03, RSSZ08, RWX07, SE11, SB05, SKJ+13, SSN19, TUV10, TPT+16, Wel17, XCS16, ZN16, ZCW10, ZGK20, vSRV11, Nor07]. **Dependent/Algebraic** [TPT+16]. **Deposition** [GST+99]. **Depth** [ZCE06]. **Derivation** [ABBM98a, CGI11, FHFR13, XW05]. **Derivative** [AMHR13, ACG20, AMV22, BtVÇG+10, CAG+19, DZ15, FF15, HR14, HBSC97, IT14, KR17, MGG19, NL16, SPKB13, SXXN22, XC13, DS95b, SS93a]. **Derivative-Based** [CAG+19]. **Derivative-Extended** [SPKB13]. **Derivative-Free** [SXXN22]. **Derivatives** [Cao07, DS97, GPHHAPR18, GPK04, HW14b, KP09a, Man99, OR18, ÖB05, RKLN07, SSW18, MS93a, WTS94]. **Derived** [ATWK19b, CL03, LM00]. **Deriving** [DO11]. **Descent** [AS21, CCY23, DFDM19, LLW19, NLY23]. **Described** [AKM14b, GLT18, GPS95]. **Describing** [MK96]. **Descriptions** [GZ19]. **Descriptor** [GSW13, HSS08]. **Design** [APSG14, APSG16, AS18, ACLZ15, AC22, ALM22, BFI07, CM98a, CM98b, CGDD11, DKKP14, DW17, EHS19, GS12, HOY03, HHP21, HHP22, HAS20, HMR09, HRS10, LPSB17, LD04, LPY+21, MEHL16, PTvR+14, RtTBAI21, RCC18, SRS19, ST03, TCCK18, WOP23, WCG23, XZ14, vdHCDD15]. **Designed** [BEOR17, KKN18, KKN21]. **Designing** [CCO11, Huc08]. **Designs** [GHKF22, HRP20]. **desingularization** [HLS93]. **Detailed** [HS16, YS16]. **Detect** [MBKR22]. **Detecting** [CE17, FD03, VP11]. **Detection** [ACY+20, AFMP15, BS95, BBC+16, CGKM16, CD06, DG17a, DGLW16, HHMDC18, HA08, LS09, MRL+17, VR16, WDG+18, ZLWZ18]. **Detectors** [AdSK19]. **Determinant**

ZTRK14, ZCP06, ZFZ14, ZHL21, ZV22, ZPE12, ZKV99, Zyg11, bZOW07, AGC96, AH18, Bøe93, BHP94, Gre93, HHRV93, Lam97, MT97a, MS93a, ZV05].
Differential-Algebraic [AS94, BHP98, CLPS03, CKK03, GB98, GPS95, GW00, HTMM15, KMRW97, MB00, PRM97, RMB00, Sch05, BHP94, MT97a, MS93a].
Differentiating [SW22b]. **Differentiation** [ALLK15, BBR04, BV00, CV98, CJ99, GM00b, HBSC97, KLZ+06, LLHF13, LKvBW10, MB00, NRO22, PT08, XC13, AMB+94, Jam96]. **Diffraction** [HSSZ09].
Diffuse [FKQS17, JLY08, KdS05, KSW20, OKdSG17, QS14, SKMF15, dSK11].
Diffuse-Interface [KSW20]. **Diffusion** [ADR14, AN17, ABF99, ABR17, And17, AWA+18, AHH12, AKM14b, AM05, BL23a, Bar12b, BG98, BCI22, BPR13, BBM+15, BHMX18, BDK12, BW01, BKS98, BHK12, BG04, CK17, CNP12, CH08a, CDF18a, CMK11, CD15b, CLST03, CKV99, CDG+09, CFM96, CE16, CHL16a, CHL16b, DGK23, DMRR19, DMSC18, DY23, EO15, EO16a, EFHL09, EV13, EPSU09, FMYT16, FMM98, FDS13, FDE+06, FL19, FJHM19, GLR23, GW15, GKV00, GHH07, GB06b, GT06, GV98, GGS08, GLW18, HG98, HP14, HSMT20, HKM20, Hen05a, HLT16, IP06, JJK23, JX13, JLY08, JLZ16b, KGM+08, KGM+11, KBK+08, Kla98a, Kla99, Kna98, KL00a, KL11, LS12a, LP96, LMR98, LR12, LSW17, LM08, LW12b, LS05b, LSV13, LWW22, Lu95, LX16c, MRI21, MMR19, MEHL16, MO10, MBS22, MZ19, MPS09, Not12, PKNS14, PNW16]. **Diffusion** [PDH09, PS08, PS13, PP05, Pol16, PC98, QNNZ19, RC06, RNV17, SBP04, SRS12, SWN20, SY08, SYY09, SM94, SSR21, TTSM08, TK13, Toi08, TUV10, TM14, TW17, UEE12, VS04, WXK04, WDE+99, Wan07a, WB12, WH15, WRSZ18, WYT18, WDGK20, WE06, WZ21b, XQX15, YTLI11, YCN21, YCY19, YYY11, Zbi11, ZJC12, ZRTK12, ZZ22, ZHDZ17, ZTM+16, dFL05, dSGS22, ZLS12].
Diffusion-Advection-Reaction [Zbi11].
Diffusion-Driven [YCN21].
Diffusion-Reaction [EO15, EO16a, VS04].
Diffusion-Wave [JLZ16b, ZZ22].
Diffusions [DMR17, JKLZ18, KOSB16, ZWH+14].
Diffusive [CM09, CILZ15, DPS18, GM20, JLP18, LS23, MBS22]. **Diffusively** [BMV13]. **digital** [Gu93]. **Digits** [Nik13].
Digraphs [MZW09]. **Dilute** [KP10].
Dimension [Ain14, AS16, AGK18, BS05a, CM98a, CKLL16, DSRMK17, FK21, GBCT10, GST23, HKK+22, HC95, IT14, KU18, LZMW20, LYLC17, MR07, NG18, OB21, PSDF12, Red99, RT99, SvG10a, SD10, TWJ+23, WS05, WWH17, ZCPM20, ZP18, dSGS22]. **Dimension-Independent** [CKLL16]. **Dimension-Oblivious** [GST23].
Dimension-wise [OB21]. **Dimensional** [ABC+16, APSG14, AS18, AILP07, AO17, AHR12, AGPR19, Aru12, ASS16, BT06, BBKK97, BPS22, BBSW94, BMMR20, BLMS21, BF22a, BK20, BP22, BP06, BBH20, BTWG08, BTGMS13, COZ96, CL18b, CHR99, CHL20, CGS02, tVÇAU10, CGV18, CCL+20, CJGX15, CC09, CL08, CAG+19, CJ95, CGM00b, CST+13, DFS17, DD00, DTR21, DF20, DL19, DSRMK17, DF99, DSZ13, DHZZ18, ES22, EPSS22, EFHT23, EdDP09, FCC10, FSV22, GJ08, GVP06, GKC13, Giu22, GC19a, GGL+98, GB06b, GT06, GV98, GH14, GN22a, GN23, GC16b, HHMS15, HM98, HJ07, HZXC16, HRT03, HRT13, HC98, HR99c, HSW08, Hun95, Hun96, HGPM14, ISW18, JK07, Joe95, JK08, JP01, KK18, KL06, KL10, KR06, KS17, KS15a, KWG+20, KPW17, KLLM22, LL98a, Le 09, LP08, LS95, LCA08, Lem16, LB15, LY16, Liu20]. **Dimensional** [Liv08, LSPRV21, LD04, Mac98, MRI21, MV09, MABO07, MXYB16, MMR19, MB13, ML11, MZDK22, MZ94, MMN00, MDC08,

NKLW94, NZGK21, NJ14, NS06, NMAB11, OS14, PJZ23, Peh20b, PNP13, PVK16, PMR16, Pet99b, PMSG14, PP13, PM15, Rak21, RRR03, RT01, RW07, RF10, Rim18, RDP08, RO12, Sch02, SWB16, SY10b, SY12, SWX16, SM94, Sma04, Ste16, SJD14, TLLL23, TMM20, TC99, Tsy99, Ush01, UWWP23, Vil09, VS03, WXK04, WZB+23, WS05, WMC12, WB12, WBTG18, WWM03, WO98, WCHZ14, Wen08, Wen10, WSP22, WSX17, XBC96, Xu04, XW05, Yam02, YHQ12, Yu01, ZzSpH14, ZHL21, bZOW07, dSGS22, vdHCDD15, APSG16, DKK21, Elt96, ED95, Joe93, KT08, LZZ18, SRCG93, SMR01, Hes97]. **Dimensionality** [ABTZ14, GH14, OT09, Sma04, ZZ04, ZCC+16]. **Dimensionally** [MS20]. **Dimensions** [ABMR11, ABIGG16, AA02, BK99, BL23a, Ber95b, BGH19, Beu05, BM05, BBMR03, BKS13, CM98b, CP07, CD20, Dk00, DS14, DK03, EZ11, EG01, FK00b, GGLT00, GK98, GC97, GML+21, HT17, HKKR19, HKLW21, HZZ20, HS94, JVG12, KKN18, KKR16, LAG14, LL19, Leh15, LCY+20, MXB15, MLL13, MY20, Moo00, NX12, NH12, Ong97, OT09, PV08, PWZ10, Pek12, PSSW15, RRR05, RR98, Sha12, SWT00, TCZC19, TT13, Tu07, WS07, WDE+99, WG18, WLLZ18, XB16, YTLI11, ZF14, ZWZ19, ZXY21, ZJB20, aKT18, Cai93, EOD93, HHRV93, MSS12, Smi93]. **Dimer** [YZZ19, ZDZ16]. **Diminishing** [WI12a]. **Dipolar** [TXZZ22]. **Dipole** [Rah96, WKM+07, vWBV09]. **Dirac** [AOS20, BK14, FKK+14, Rub12, SJD14]. **Dirac-Delta** [SJD14]. **Direct** [ALM19, ASS16, BACF08, BM95a, BIA05, BH14b, COZ96, CGO22, CCC17, CKXZ18, CILZ15, CIZ18, CHZ21, CPD17, DK10, DAE02, GHRR19, GG19a, GM14a, GGK04b, GBS19, GJ21, HG12, HG00, LAG14, LZ21a, LL00, LXdH16, Mir21, MS03, NNH99, PR09, PP12b, RT99, She94, She95, SWX16, SZZ21, SV00, WT16, XXdH+17, XOMN10, YMW07, BME93, BEM94]. **Directed** [CGO22, HÖU+19]. **Direction** [BF06, CG18, CCRT21, CCL+20, HV96, JSZ22, MO10, NWY10, NWY11, Rak21, Sta94, WY12, WJW21, WY13, YZ11, YYWY18]. **Directional** [BPT+14, CCFG23, EE14, EY07, ÖB05, RL17]. **Directions** [CJ95, GT19, FGM95]. **Director** [RG13]. **Dirichlet** [AO17, BK00a, BP06, CCG14a, CS12, EO15, Fli13, GL21, HJ18c, JP16, KL06, KP05, NXDS11, OK13, OWO14, PMH+16, SW16, Wan22, YCZ13, Zha94]. **Dirichlet-to** [Fli13]. **Dirichlet-to-Neumann** [NXDS11]. **Disaggregation** [KV13, DS96]. **Disappearing** [APZ13]. **Discontinuities** [ALRT17, GB98, GM14b, LS94, RH06, TB02, WL97]. **Discontinuity** [DQQ13, IT14, LCH09]. **Discontinuous** [AB17, AM19, AGH13, AFRV19, AM20, ABMP22, ABB23, ACCP13, BB13, BBHJ21, BDGK18, BCS11, BBT19, BDK12, BMV11, BKBT18, BG04, CQ22, CDG17, CR23, Cas02, CNP12, CKQ14, CDF18a, CT03, CW17, CHW17a, CHW17b, CMS17, CD02, CZ22, CVK13, CHH10, CDG+09, CS16, CGP19, CKRS07, DEM+20, DLM16, DMRR19, DGK21, DF99, DHE13, DWQY19, EKSW15, EVLW17, EIL01, FKMR19, FDS13, FRS19, FHL13, FK21, GKRNS19, GK11a, Gas13, GvdV17, GHH07, GL08, Gia18, GK19, Giu22, GG19b, GH99, GX16b, GC16b, GC17b, GY17, GX20, GSM20, GW04b, HA01, HSK19, HHM17, HHE10, HH02, HSMT20, HRD21, HHvR03, HLT16, HS01a, HS18, HS99c, HXB11, HXB13, HC20b, HLL+22, JWH08, Kan03b, KSMM18, Kim05, Kim08, KG14, KT08, KP06b, KW18, KO13, LM20, LI01, LLLX16, LSY19]. **Discontinuous** [LST20, LY20, LY14, LX16a, LSZ17, LLS22c, LK98, LCK21, MN07, MRFV18, MMT15, MRB23, MW22, MKRK13, NP17, ORST12, ØLW08, PCFN16, Paz20, PTT20a, PP08a,

PP08b, Pet05, PRSS11, PoH09, QS18, QS05a, QS05b, QS08b, RMC12, RG09, RSA05, SSDN12, Sch98, SKWK18, SSR21, SKPD22, SKP22, SD21, SH20, TLLK09, TCZC19, War13, WWM03, Whi15, WS18, WX21, XQX15, Xu04, XS08, XOMN10, YJXZ22, YHL19, YCS16, ZKN21, ZK14a, ZCZK14, ZCL+11, ZP18, ZWG21, vSRV11, vdVXX19].
Discontinuous-Coefficient [DF99].
Discontinuous-Continuous [Kim08].
Discrepancies [GPS12, MC94].
Discrepancy [CZ13]. **Discrete** [AP14, AN16, AB08b, AKM14b, ACD+08a, ACD+08b, BKM19, BT06, BST08, BPS13b, BPS13a, BSV19, Bur97, BHL22, CHKM13, CS10a, CW13, Che13, CW14, CW16c, CYDK21, CH11, DHJW08, DN19, DG16, EEO01, EdDP09, FH06, FT03, FGH+08, FK18, Gär09, GNOR14, GZYW18, GZW18, GLZ22, HHE10, HM10a, HH13, HPS06, HGPM14, ISS19, JV96, JLZ16b, KH22, KR21, Kof04, KZ16, KPW17, LdGK20, LCA08, LM17, LW20a, LSZ23, MRS04, MEHL16, MNvST13, MRKS21, MM07, MRL+17, NW22, OV07, PBWB14, PDG20, PRR05, PEdD12, Rah96, RSD+20, Reg96, RF10, RS02, Sai20, SBX+08, SW22a, SH20, SW10b, TZ14, VN03, WO09, WB00, WkZ15, ZD09, ZHY21, ZCS22, dZHY23, ZW03, ZRK15, ZNX14, vGEV07, AD96, HO93, Sch96].
Discrete-Dipole [Rah96].
Discrete-Ordinate [HHE10].
Discrete-Ordinates [AKM14b].
Discrete-Time [JV96]. **Discrete-Velocity** [BST08, HPS06]. **Discretisations** [Hun95].
Discretization [ABBM98a, ABBM98b, AGH+20, ACHZ21, AHH+23, AH20, ABR17, AM22, ABIGG16, BMV18, BSV19, BAS09, BP12, BJP+22, CCRT21, CJ05a, CEP20, CV16, DJP00, DT00, FHL13, GCS19, Gas13, GV98, HHvR03, HJP03, HH11, HZ16, HL17, HV07, JSZ13, KLV+16, KV20a, KMS15, KGR16, KG14, LDS11, LMW17, LD16, MGB18, PMH+16, Pet05, Pic10, RW22, SSR21, TBM21, TC12, WvdZSvB18, Zha22a, dVL10, Gre93].
Discretization-Error-Accurate [TBM21].
Discretizations [AD20, ADGM98, BJM03, BLY21, BYL13, BKMRB21, CGAD95, CMS17, CF23, CGX21, DD23, DT03, Doh21, DHP17, EHS+07, FH06, GJP+14, GZ19, HSMT20, HZ11, HMM+21, JK00, Kan03b, KKR21, Kye12, Lee10b, Lee10a, Lee12, LGR20, MMA98, PWZ10, PP08b, PSC18, DHM+23, QS03, SV08a, SKF18, SWN20, SK19, TW13b, TP21, TM14, TV98b, Ull10, UEE12, VV05, WGS17, WW03, YBHY15, vdVXX19, HPS22, MMPR93]. **Discretized** [Bjø95, DGB15a, GM14a, ISG15, KT08, LCK21, PS19b, RNR13, RLC08].
Discretizing [EMNS20, WLZ18].
Discriminant [AdVC00, CG10, CLN12].
Discussion [ABBM98b]. **Disease** [BF13].
Disk [MMS23, TC99, WTW17]. **Dispersion** [ALLK15, CGX21, DW15b, GK11a, Le 05, MRFV18, VSBH99, XS08, MP94].
Dispersion-Dissipation [MRFV18].
Dispersionless [ABL20a]. **Dispersive** [DLM16, GMO14, HLL+22, LSV17, LHL11, PS10a]. **Dispersively** [APS12].
Displacement [GY17, LY98, QRV21, SSR+22].
Displacements [AD18b, HH13].
Disruption [DMM+16]. **Dissection** [GBDD10, HR98a]. **Dissimilarity** [GLT09].
Dissipation [GK11a, GMS02, MRFV18, Roe98, TYZ19, XZ23]. **Dissipative** [AHZ17, CEOR18, CDGT01, GMO14, GLMS22, HX21, HS21, LSU11, LW16, Mal07, Sha21b, Sha03, WS95]. **Distance** [BtVÇG+10, CS11, CSS12, FB19, Gro02, LL17, RL18]. **Distance-2** [BtVÇG+10].
Distances [BBK06, LYLC21]. **Distillation** [And99, ZYZ05]. **Distinct** [FBF15].
Distorted [SY08, SYY09]. **Distributed** [AKK14, AKK18, AK04, ABL+20b, BKGV16, BDD+97, Bar12b, BBGS13, BCF13, BTY08, BtVÇG+10, BFJ00, CCPS20, ÇKAA22,

CHJ16, DS16, DGRZ15, GY06, GKK10, HKR02, HWD02, HV04, HL18, IBWG15, KMV99, KZK17, KL12, KZ16, MGDB19, PR96, Rag95, SS99, SE13, Sun96, TZ18, TD99, TTMA22, Wan07a, XXdH+17, Liu93]. **Distributed-Memory** [ABL+20b, BtVÇG+10, ÇKAA22, Gon15, MGDB19, PR96, Sun96, TTMA22, XXdH+17]. **Distribution** [AB02, ADR14, AT17, ALMT20, BLH02, BV16, DGS08, HHP21, KK02a, KB96, Luu15, OAA20]. **Distributions** [BSHL14, BT20a, CS14, Gub96, KTSB19, Man99, MFSY19, PF12, SBM07, SK19, TMM20, XC20]. **Distributor** [HL19]. **div** [DMMO05, Doh21]. **Divergence** [ABN21, BF14, DFW21, MS06a, Sch02, TZ18, Tor05, WWY09, XZ10]. **Divergence-Free** [ABN21, DFW21, Sch02, TZ18, WWY09, XZ10]. **Divergence-preserving** [Tor05]. **Divide** [HLD12, KMR19, LT09, LS13b, NH13, OX22, TD99, VXCB16, VTD12, LL93]. **Divide-And-Conquer** [KMR19, OX22, LT09, VXCB16]. **Dividing** [Hun96]. **Divisible** [IK10]. **DMD** [DMM20]. **DMPlex** [HKA+21, LMKG16]. **DNS** [BCM15a, Hof05]. **DNS/LES** [Hof05]. **Do** [HJKK22]. **Domain** [ABLS05, ACD23, AJS22, AJ22b, BMP14, BMP16, BO17, BJNN02, BL04a, BFJ+15, BSSS23, BLB00, BRT07, BCLT15, BSS17, Bla98, BCCK16, BKFG19, BT13, BIA05, BHM19, BDG20, Cai95, CR23, CMS94, CGM+21, CHL06, CB22, CCV14, CGP22, CCG14b, CML+18a, CML+18b, DD13, Den97b, DLM16, DS95a, DW17, DSZ13, DW94, EG22, EG23, EHL05, FKK+14, Gar94, GBC+20, Gri95, GST23, GNPT18, HSU21, HMN+13, HLLM15, HRT03, HIT19, HN06, HKLW19, HHK19, HKL23, Hes98, HJJ22, HLY13, JFG13, JKKM01, JCL07, JZ00, KXS18, Kal20, Kla98a, KW00, KLR15, Kus97, Lar99, Lee13b, LN17, LPP19, LJ19, LW15, LBHH22, MRS04, MPRW98, MR94, Mu95, MZ19, MSV00, Nat95, Nat97, NP08, PS10a, PGW17, PL12, PV94, PV95, QSM19, QSV06, RL10, RBH06, RW01, RGG06, SRM+15]. **Domain** [ST98, Sto21, SD11, TS11, TZ14, TP09, Tie18, WZ22, WG00, XA99, YCC10, YBM+18, Yu01, YYY11, ZT17, ZND18, ZBK18, Zha22b, ZS02, Zim14, de 99, vLH14, vdZvBdB10a, Ain96, Cai93, Hes97, SS95, SS93c]. **Domain-Decomposition-Type** [TS11]. **Domain-Map** [vdZvBdB10a]. **Domain-Oriented** [Gri95]. **Domain-Preserving** [CGP22]. **Domains** [ACD23, Ama98, AGH13, Bar14, BK06, BN21, BWZ10, BOPGF06, CYVK15, CS12, CF05, DK11, DL19, DR13, DW15b, DHZZ18, EIJH20, FDFW07, FKW13, GS21, GPSY17, GMYL23, HG02, HHT03, HQR19, HT09, HW15, HLP23, HJ18c, HRS19, HLW13, ILK05, ISS19, JK07, KCL16, KL15, KR21, KLY05, KC16, KNV+16, LQH21, MRI21, MS17, NN18, OR18, RS03, RD21, SKF18, SY12, SK05, SXK17, SF08, TWYZ20, Wan22, XSC21, XT06, ZZ18, VB07]. **Dome** [Nie16]. **Dominance** [Saa05]. **Dominant** [LWZ13, Men22, QS08a, RM08a]. **Dominated** [Ber95b, CLK18, DMS01, GR05a, GM21, HR99a, Hei96, HY10, JX13, KMER22, Peh20a, RPM23, WX99, PCDB96]. **Doniach** [DG99]. **Donor** [MS98]. **Dosimetry** [DLM16]. **Dot** [CWC08, DOKM22, ORO05]. **Double** [AMVR17, BHG14, CKK20, HDOS23, Nie06, WK18]. **Double-Exponential** [AMVR17]. **Double-Layer** [CKK20, WK18]. **Double-Precision** [Nie06]. **Doubling** [Gee19]. **Doubly** [BCT07, DP98, PLVG+22, Slo02]. **Douglas** [FZB20]. **Down** [SCM10]. **Downdating** [AB16b, BPT93]. **DP** [AFS19, HKLW21, HPS22, KL06, KL10, KLR14, KKR16, KLRU17]. **DPG** [GMO14]. **DQDS** [LGP14]. **DR** [EMN17, LMW15b].

Drag [Hof05]. **Drift** [BS95, BHN10, BHMX18, BBM+08, DMR17, Kla98a, Kla99]. **Drift-Diffusion** [BHMX18, Kla99]. **Drift-Flux** [BHN10]. **Driven** [CBHB19, DEM+20, DEV16, DKS23, DMM18, DMM19, GDLS14, GPA18, GGB22, HC18, Hok20, IA14, MKW23, MP08, PGW17, QCJX21, RBG23, SSM+20, SW22b, TVV11, WDT22, XMRI18, YCN21, BBC+21b, Kös07]. **Driver** [BWB19, Der08]. **Driving** [BM11]. **Droplet** [GL22b]. **Dropping** [KRT16, May05]. **DRp** [PP12b]. **DSMC** [Ste11]. **DST** [ZLBC03]. **Dual** [ACCO00, BCS07, BO07, BC09a, CGM99, CW14, CLK18, DFG15, DFDM19, ELW20, FK18, HS06d, HQH+16, HSW08, IMS96, KR06, KM16, LPSB17, LN17, LPP19, LD03, NH12, PWGW12, Rad16, SSW21, WvdZSvB18, Zam16, Zha20, FCR93]. **Dual-Mesh** [CLK18]. **Dual-Porosity** [HQH+16]. **Dual-Porosity-Stokes** [HQH+16]. **Dual-Primal** [KR06, Zam16]. **Dual-Weighted** [ELW20]. **Duality** [BBT11, CHKM13, CJK10, CH11, FM16, Hof04, WW03]. **Duality-Based** [CJK10, Hof04]. **Due** [Men94]. **Dumbbells** [KP10]. **dummy** [MS93a]. **During** [May08]. **Dusty** [PL06]. **DWT** [ZLBC03]. **Dykstra** [BR05b]. **Dynamic** [AFK15, AK17, BBGS13, Ber98a, BCFJ19, BB09, Cab94, CCFP12, CE17, DU19, DL23, DEP11, ES22, GMP19, GGLT00, GT19, HM10a, HBJ04, HEGH14, KKK16, LLZW19, LXS+08, LT20, MNU23, NNRW09, PR09, PVC17, RP01, SV08a, SK23, SSW98, VBA18, WZB+23, WMI09, WSA16, YH17, YH19, YP98, ZTK19, ZXY21, ten95]. **Dynamical** [AKT16, BS05a, BFN17, BCP15, CL23, CBG+19, CW12, EL19, EHY21, GDLS14, GGB22, HHW00, HID23, KEC23, LSU11, MTM08, MS18b, NK15, PN19, RPSS22, RBG23, RM08a, SHP07, Sma04, UWWP23, VFGS23, WZ21a, WTWB09, WSH14, YGS+21, YLG22, YWL17]. **Dynamical-System** [UWWP23]. **Dynamically** [BBSV10, CL23, CHW20, MM98, MMN00, MNZ15, SNB16]. **Dynamics** [AIP19, APvDG12, AE18, ACCP13, BLS09, BMTZ13, BOR97, BLR99, BCM15a, BQRX22, BBC+21b, BRK16, CL18a, CTB15, CGK13, DY06, EW00, FGL09, GL22b, GKM+17, GKRB16, HJMS07, ISG15, Jah04, JHJ12, Jay98, KN21, Kim05, LR10, Lau22, LL98a, LLS22a, LL11, LFWP08, NKTY08, NV08, NBA+14, NL20, OKF14, Peh20b, QDKW18, RWKW14, RWWK15, RN14, SDNL10, Sch94, Sha21b, Sha03, SP02, SZS97, Ske09, SAY03, ST22b, TKW08, TPW09, VS23, WGF08, YHS07, YDK22, Zim14, AP93, SRCG93].

E-SAV [LL20]. **Each** [CGL+13]. **Early** [LFBO08]. **Early-Exercise** [LFBO08]. **Earth** [KY14]. **Easily** [Yan19]. **Easy** [BBF+22, GG09]. **Eccentrically** [GP96]. **Eddies** [SL09a]. **Eddy** [AL07, AGHJ23, BST08, CCCZ10, EAS08, Hof04, JLZ16a, KL12, RH09]. **Eddy-Current** [AGHJ23]. **Edge** [BG10, BBMR03, Cas97, DEM+20, DG17a, GG19b, HHMS15, HO15, HHP22, HH16, HHMDC18, MNP07, PH13, PSC+16, RT01, TWL21, UDH23, Wal13, dVL10]. **Edge-Enhancing** [HHMS15]. **Edge-Preserving** [BG10, UDH23]. **Edge-Promoting** [HHP22]. **EDIIS** [CK19]. **EEG** [AFF+15, EVLW17, WKM+07]. **Effect** [FLM+05, HJP04, SHP07]. **Effective** [AHH06, CP05, CG17, EHL05, GLQ18, JZ13, Kye12, MCT+05, NV08, TG04, WS05, Xia21, XL20]. **Effects** [AAB+15a, BL23b, BER17, CDF18a, DS96]. **Efficiency** [AMM+11, BSA13, CD02, HJ98, KR22, Kra09, NL20, vHBTC12]. **Efficient** [AG18, AJR23, AS18, AFK15, AFS19, ACCO00, AM05, ABTZ14, BS08, BK07, BBMZ20, BB17, BS95, BCR11, BS05d,

BMTZ13, BDdSM11, BSSW13, BL07a, BS16b, Bja19, BT97, BFS16, Bol03, BV00, BR11, BBG+19, BBK06, BRK16, BHK12, CB98, CMS94, CDC19, CH02, Cha18, CL03, CHX15, CCC18, CLLW20, CD20, CN10, CV98, CJ99, CRV14, CD06, CPB19, CVW06, DTY20, DHL+23, DH03, DTR21, DF20, DP20, DAE02, DGP18, DSYG18, EW00, EHY21, Ema10, EPSU09, ES00, FLX21, FRS19, FDFW07, FNNB05, GS16, GNOR14, GMvdV19, GCB15, GLR+16, GST12, GKNW18, Gon15, GM14b, GM19a, GKT09, GKN18, GS02a, GSS22, GE96, GS21, GZT+19, HRT10, HAG17, HNS08, HJS99, HBJ04, HX21, HBSC97, HSY20, HJX23, HMW07, IBM01, JSCB20, Jin99, JW13, JLP18, KW07, KR23, Ket08, KZ00]. **Efficient** [KPP+16, KRDL18, KHW+14, KRS21, Lan19, LMKG16, LZ21a, LS13a, LLW16, LS22, LZ17b, LZ13b, LM14b, LLZ15, LCL18, LY18, LSZ23, LC05b, LD11, Luu15, MMRN15, Mac98, MBKR22, MH95, MXYB16, MLL13, MST15, MDM15, Mön08, MAK20, NH13, NN17, NLY23, OS98, OGO16, PKR+13, Paz20, PHJ11, PMH+16, PSS17, QOQOP99, RMR15, RY03, RW07, Ren15, RKL09, RS13, RS99, RO15b, SS98, SSW21, SSW18, SKWK18, SNB16, SSW12, Sha21b, She94, She95, She97, She99, SY10b, SY12, Slo02, ST11, STY21, SF99, SO09, TT07, TB99b, UEE12, VBA18, VDD19, VPP05, WZ18, WS06, Wan13, WLX+13, WWYX20, Wan22, WBFA09, WWH17, WB08b, WGF08, WCG23, Xia13, XSC21, XJS13, XC13, XCLQ20, YZY09, YY18, YZL20, YHFG22, YP98, ZFLB15, ZZ18, ZWH21, ZMqCS21, dZHY23, DG95, LSM93, PCDB96]. **efficient** [RG94, Yav93]. **Efficiently** [KMV05, MV16, MHW22]. **Eigenbasis** [Liv08]. **Eigendecomposition** [HKO99, SDNC20]. **Eigenfunction** [BBKK97]. **Eigenpair** [Dul98, MB99]. **Eigenpairs** [BBP21, De 12b, GWMG03, MW01, VK15, YZ07, YZ08]. **Eigenproblem** [DMZ21, LZ99a, Oet99, VS17, LZ94]. **Eigenproblems** [AA13, BCR03, EPE05, GPP95, Jar19, LZ99b, LWSP22, PPB13, Sta07, SM07, SVX15, VYX16, LL93, ZAK15]. **Eigensolver** [BDvdG05, GPTV15, HJS99, HLTT97, KPT16, Kny01, Nik00]. **Eigensolvers** [AGSZ16, DMPV08, KXH21, MRV06, MS06b, PQOB14, SVX15]. **Eigenspace** [BL04b]. **Eigenspaces** [KPU21]. **Eigenstates** [AP19]. **Eigenstructure** [BCS07]. **Eigenvalue** [AF15, AH04, ADF+19, AMV22, BCS07, BLV18, BBB14, BYL13, CR16, CJ05a, CDY07b, CHH10, DN13, DJLZ96, ES19, EMM+99, ET01, rFS12, GJ17, GK03, GK18, GY02, GVMM14, GPT22, HLD12, HN22, HvdG96, HL10, HvdV03, HXX18, HHL15, HLM16, HLM03, JMM10, JKM14, JMR17, Kal20, KALO07, KH18, KSU14, Lan19, LRV22, LXV+16, LZ17b, LLW19, LSY19, LZ23, LMT18, LWK+16, MV00, MS06b, Mee01, MG12, MV21, NZZ06, NH13, Ng00, NvdP00, OX22, SG11, SW03, Sta07, TD99, VMM13, VXCB16, WH15, WZ22, WXS19, XLS18, XXZ20, Xue18, YGB+05, YBHY15, ZLG98, vD03, CW93, DS93, MCJN94, MS93b, Tre97, YL93]. **Eigenvalues** [ARMNW10, AO17, AT15, BS05e, BM12, Bou01, BBO09, BGSV15, CCQ16, CP95, DS20, GGS19, GWBW22, HM20c, HLTT97, KM05, MT22, MS12, MN11, MY18, OK13, Rah00, RN14, SZ06, SBND11, SM07, SO10, SVX15, YBLH16, Tre93, LXES19]. **Eigenvector** [JKM14]. **Eigenvectors** [KD20]. **eigs** [WT01]. **Eikonal** [ABMR11, CV12, CV15, CCV14, FJP+11, FKW13, GK05, JW08, PC21, ZCL+11]. **Einstein** [BD04, BS05c, BL08a, BLS09, BMTZ13, BR19, BN00, BH08, LC21, TXZZ22, TCWW20]. **Elastic** [BDG20, CSW99, DKM14b, GSV20b, HMCK04, LL19, Lay06, LL97, LJL09, Min02, Sei95, SBHS19, TY00, VMG09,

ZWP21, LP06, TR93]. **Elasticity** [AIP19, AdWGV+20, AKMRB22, BYZ19, BCCK16, CLMM00a, CLMM00b, CPW15, CEP20, CF05, DZ08, GOS03, HH13, KPS19a, KW00, KR06, KC16, Kra08, MMT15, Pav98, PWZ10, VBT99, ZP20, CMV97]. **Elasticity-Poroelasticity** [AdWGV+20]. **Elasticity/Poroelasticity** [AKMRB22]. **Elasto** [FKTW10, LXK08, ABMP22]. **Elasto-Acoustic** [FKTW10]. **Elastodynamics** [BHG14, BRT07, BL04b]. **Elastohydrodynamic** [GB06a]. **Elastoplasticity** [GV09]. **Elastostatics** [Sch03]. **Electric** [AAB+15a, ATV07, BBGS13, BJ08, GLL+15, HSZ12, ZB12]. **Electrical** [BTLZN22, CHH19, GJ21, HHMS15, NPS22, Tim19, vdDA12]. **Electrified** [VPP05]. **Electro** [OH21]. **Electro-quasistatic** [OH21]. **Electrocardiac** [XLG+16]. **Electrocardiology** [FDE+06, PS11b]. **Electrodynamics** [BKMM10]. **Electroencephalography** [VP10]. **Electrohydrodynamics** [KS15a]. **Electrokinetic** [BHMX18]. **Electromagnetic** [AILP07, BCAG22, BS05b, BG98, BS06a, BCdF+20, CCC18, CHM02, DLM16, HA01, HN20, JL19, Kon21, LM15, MG07, PS10b, Rah00, SPS18, VLM22, YHL19]. **Electromagnetics** [CHL06, SFM20]. **Electromagnetism** [CDGS05, DKSW19]. **Electromechanical** [RDP08]. **Electron** [GHKL22, KKS13, LFJS14, WPL+13]. **Electronic** [BCK16, CDKL22, DLZZ17, DLY14, LWYxY18, LYL+11, Rub12, WMUZ13, ZZWZ14]. **Electrons** [KLLY20]. **Electrophysiology** [BFSN08, CWG10, TPQD22]. **Electrostatics** [BCR11, RKLM18]. **Element** [AE08, ABF99, AV14, ACHZ21, AG18, AJ21, AJ22a, AHN+20, ABN21, AGL13, ACK19, BB13, BH14a, BMV18, BMNV20, BMNV21, BCAG22, BCR11, Ban08a, BJNN02, BHV05, BL23a, BB10, BBB14, BBGS04, BDM+18, BS16a, BOF16, BCLT15, BMF19, BMM98, BBKT15, BC09a, BP13a, BPS13a, BLY21, BBS19, BBS22, BYL13, BV19, Bla97, BBMR03, BP13b, BJP+22, BKMM10, BCF+00, BK11, BHW99, BRBT12, Bur13, Bur14, BCM15b, Bur23, BG13, CGGGS15, CI19, CGQ10, CG99, CPV95, Car07, CM98a, CM98b, CBG12, CP03a, CK03, Cas97, CFKM18, COS21, CD02, CCCZ10, CMZ19, lCCVEKV17, CFM96, CGP19, CHH01, CVE13, CSW14, DY06, DB98, DLG97, DMMO04, DMMO05, DG98, DLTZ05, DKR12, DFJS19, DHP17, DEP11, DZ08, DW15b, DTYY18, DMZ21, DGvdZ18, Egg18, EAOS21, EJJ08, ES17, EIJH20, EHW00]. **Element** [Fai03, FVV21, FS01, FHFR13, FGM08, FKTW10, FCF19, FK18, GJ08, GYZ11, GHMY18, GBS+22, GK11a, Gas13, Gee19, GL08, GKT09, GKS98, Gra14, GdLP+18, GC97, HHS+16, HHLZ21, HH02, HL09, HZXC16, HR99a, HV01, HY08, HJP03, HXX18, Hor10, HQH+16, HS01a, HS18, HY10, HK95, HS99c, HM20c, HLY13, HJX23, HSSZ09, ISS19, JV96, JK11, JHJ12, JKL22, JK05, JV01, JGZ06, JR96, KLV+16, KV20b, KV20a, KVV23, Kan03a, KL05, KRW20, KMS15, KKLS05, KLST06, KS07, Kir14, KO17, KP22, KG14, KZ16, KKK18, KS14, LW12a, LP11, LP13, LOSZ07, LZ21a, LSTY21, LP96, LLP98, LMR98, LMM18, Le 01, Le 05, LRP07, LP08, LDS11, Lee14, LPP19, LPMR19, LMM17, LHL11, LZ17b, LNZ19a, LNZ19b, LZ21b, LTW18, LKvBW10, LGR20, MT22, MRI21, MR04, MH17, MM14, MRT00, MLL13]. **Element** [MST15, Mic01, MTTV98, MT23, MS12, Moo00, MS18a, MAK20, MWY17, Mu20, MYZ21, MGH21, Nat98, NNRW09, NV98, NW22, NSK10, OSU10, ORST12, OX17, OQRY18, PRS12, PDTVM08, Pav98, PWZ10, PKD23, PSKG13, PMH+16, Pic10, PvdVvG17, PWGW12, PKA22, PC98,

QZZ14, RT01, RL18, RW21, RS03, RW01, RDP08, RV10, RLC08, RWW14, SMZ18, SCC17, Sar98, SJR09, SV08a, Sei23, SL09a, SZ06, SXL+22, SWT00, SSF16, Sta00, Ste01, Ste00, SL09b, Tal15, TKW08, Tau96, TBH23, Tou22, Ull10, VP10, VP14, VM13, Wal18, WK06, WLE+00, Wan01, WWY09, WH15, WZ22, WGS17, WMOZ22, Whi15, WMBT19, WH09, WKM+07, XL20, YSZ14, YK03, ZKN21, ZK14a, ZCZK14, ZLLT13, ZN05, ZHY21, dZHY23, ZMS10, ZJB20, ZK96, Ain96, CGP93, MMPR93, MP94, PSC+16].

Element-Based [CBG12, lCCVEKV17, KVV23, RW21].

Element-by-Element [FS01, SWT00, DLG97]. **Element-Free** [HV01]. **Element-Structured** [VM13].

Elementary [CVW06]. **Elements** [Ain07, AAD11, Ain14, AORW20, BRT07, BSX22, BS23a, Bla98, Bre96, Cao07, CSW99, CGP12, CDK19, CW18, Che98, CF05, CG07, CDPC13, DKSW19, GK18, GMvdV18, GMvdV19, GJ07, GPSY17, GSV18, HT00, HPS08, HDZ16, HR16, HTW+12, HLP21, HZZ20, ISG15, KKS21, Kup00, LO11, MMK23, MBM+16, MCB18, MT09, MAH22, MV21, MAK20, MNP07, NHSS13, NN14, Nie16, Ols07, PV08, PP12a, PZPR07, PRM09, PRSS11, RKL09, Ros97, Ros06a, SB10, Sch02, SF08, TX17, WS07, Wan01, WWY11, WSK99, ZWZ19, ZHS10].

Elementwise [LMR98]. **Eliminate** [SO18].

Elimination [CL11, GC19b, LRW96, LHL+22, LCY+20, Saa96, YYS16, Rag95, Wri93]. **ELLAM** [WDE+99]. **Ellipses** [Gro02]. **Ellipsoids** [Kue12]. **Elliptic** [ABLS05, AH20, AW15, AGH13, ADK+98, AP99, ARM23, BKGV16, BDS98, BJNN02, BBC+01, BK06, BF95, BAS09, BB03, BIYS00, BHW99, Bur13, BEH+19, BCDE21, CPV95, CPB13, Cas02, CCER12, CT03, CD02, CM15, CJ05a, CM99, CFH19, CML+18a, CML+18b, CRV13, CH11, CDN16, CGF21, CP17, DEV16, DFL20, DK03, EPR10, EF15, EGKS94, EMT09, EPV94, EIL01, Fro12, Fu21, GV19, Gar05, GGS19, GG19a, Gia18, GM14a, GXY15, GH99, GS00, GS21, HW15, HHS+16, HCRT13, HN06, HLT16, HRS19, HJZ23, HG00, ILK05, Jia14, JCL07, JGZ06, KCL16, KMW99, KS11, KLR15, Knu96, KT08, KBP17, Kus97, LP11, LP13, LV13, Lee09, Lee13b, LLW16, LY20, LY13, LXdH20, LNS15, LGR20, Lui00, MV94, MK08, MWY17, NRMQ13, NV98, Ols07, PL03, PS11a, PP08a, Pic03, PRSS11, QZZ14].

Elliptic [Rak21, Sch98, SY10b, SY12, ST00, ST23, Sta97, TY08, TPB17, TV98b, WR13, WZ18, Wan04, WHL18, WJS23, Xu94, YZ05, bZOW07, Cai93, Gre93, HHRV93, McG95].

Elliptic-Parabolic [LV13]. **Elliptic-Type** [Kus97]. **Elliptical** [PRM09, Ros06a].

Embedded [AP12, BH12, CKN06, Giu22, HRD21, HBL05, KP05, KP06b, LKvBW10, OKGG+23, ÖB05, PDE+17, SSVW17].

Embedding [AG21, CL18c, DFS17, DN97, GL18, GLT09, GS21, MDC08, CG93].

Embedding-Based [GL18]. **Emerging** [AHK+17, PDE+17, PK19]. **Empirical** [AN16, BEEM18, CS10a, DG16, DHO12, JK10, Kea97, PBWB14, PDG20, Sai20].

Employing [WWY11]. **enabled** [CGHT14].

Enabling [HvBW23, MKWG15].

Encapsulating [UA04]. **Enclave** [CHW20]. **Enclosed** [PHA18]. **Enclosing** [LHL12]. **Enclosures** [BBB14, DS20]. **Encoded** [NNRW09]. **End** [ZMK17]. **End-Point** [ZMK17]. **Endpoint** [AMVR17]. **Energetic** [DCL+21, Lee10a, LW20a, LWW22].

Energetics [BZ10]. **Energies** [DN19].

Energy [AK15, AAB+15a, ALl19, AN16, BPS14b, BW01, BJ08, BMR13, CGO22, CCKP21, CCC17, CYZ17, DK10, DJP00, DG09, Doh03, DS14, EL20, GJ08, GHMY18, GZW18, GZW20, GCN21, GMYL23, HSWW08, HKR16, HL20, HJP03, HJP04, HX21, HYW20, HS21, In99, JFSO23, KG14, KSW20, KWD22, KKR21, LW12a, LO19,

LXK08, LX16a, LY16, LY18, LYZ23, LZ04, LX16b, LXYZ23, Luo19, MBKR22, MGG19, MRS04, MG11, MNBK10, MW03, McL12, MST15, MR01, MV06, MW16, MCV17, Nas09, NAS13, NMS06, NN19, OL98].
Equation [PWM22, PDH09, PR01, PTT20a, PMR16, Pet01, Pic10, PQR20, PC21, PV15, PBtTB+15, QS14, QZZ19, RBH06, RU01, RK07, ST16a, SBP04, Sch05, SKN19, SAB14, Sto21, Str94, Str00b, SD11, SSN19, TY08, TWZ21, VMG09, VB07, WXK04, WGT14, WY19, WZC19, WP19, WC22, WiOH08, WMOZ22, WH13, XKWY08, XS08, XSWG23, XZ23, YMW07, YTLI11, Yan22, YJXZ22, ZLLT13, ZLLT15, ZNZ16, ZND18, Zha96, ZD09, ZJC12, ZXY21, ZW03, ZzSpH14, Zhe07, ZLTA15, ZHDZ17, dCFC20, BDP96, CDH97, Elt96, JS93, Lie93].
Equation-Free [MBKR22]. **Equations** [ARMNW10, AH18, AC08, ACVZ12, AVZ13, AdS22, Abg09, APZ13, AHZ17, AGH+20, ACHZ21, AB19, AD21, ABD+17, ALl19, AJS22, AFK15, AOR18, AFOQ19, AOS20, ABN21, AM17, ACL09, ALJ99, AW15, And16, ANP00, ACN19, ABK11, ACD95, ADK+98, AA02, AS94, AC95, ADM10, ACCP13, BS08, BBSV10, BHN07, BGL08, BLH02, BP97a, BT06, BYK05, BJNN02, BOB+19, BK98, BK99, BH00b, BJM03, BWV15, BGN07, BGN08, BN00, BBH18, Bea20, BLB00, BDK+20, BG98, BM01a, BSS09, BBKS20, BKK+21, BL07a, BW11, BC09a, BS15a, BCC20, BHK14, BM08, Ber95b, BPS14b, BS16b, BCF12, BK10, BP12, BCM05, BGH+03, BHST08, BCM15a, BFS16, BKMRB21, BK18, BMSV97, BPR13, BS15b, BV09, BHT11, BBC07, BHMX18, BJP+22, BMV05, Bre17, BC99, BCCX21, BJ08, BSU19, BL03c]. **Equations** [BL05, BHW99, BOPGF06, BT16, Bur13, Bur14, BEPW98, BB02, BLL07, BHK12, BDW11, CGGGS15, CCFP12, CC16, CLMM00b, CLW13, CH09a, CG95, CB98, CLPS03, CP04, CZK15a, CZK15b, CZZK16, CCG14a, CFR05, CHL20, CK17, CBG12, CM09, CCKP21, CCA03, CNP12, CV12, CV15, CCM08, CGK13, CDF18a, CK15, CCJ07, CCL+20, CRS21, CFGLT22, CWZ07, CHMR10, CM15, CJGX15, CK19, CSZZ20, CB22, CHWY23, CLST03, CGM00a, CVK13, CW06, Chr09, CLTX15, CCV14, CGP22, Coa12, CKK03, CG07, CV16, CCG14b, CGI11, CML+18a, CML+18b, CRV14, CRV13, CH11, CHL16a, CHL16b, DHS22, DEN21, DB98, DD13, DG98, DDGS16, DL20a, DLTZ05, DL19, DG09, DP10, DPS18, DYZC22, DT03, DAE02, DGGG09, DS17, DKK21, DKS23, DMSC18, DP03, DF99, DHO12, DHE13, DW15b, DL22].
Equations [DTYY18, DCL+21, DY23, DGvdZ18, EPR10, EKSW15, EAOS21, EDGL12, Elm98, Elm99, Elm00, EEO01, EHS+07, EF15, ELtHR00, EOZ94, EM99, EIL01, FKQS17, Fan22, FS01, FBF15, FMW19, FGM08, FR15, Fis19, FM11, FSvdV98a, FJHM19, FGH+08, GJ08, GLR23, GW15, GS16, GK00, GASSS98, Gar97, GNOR14, GK03, GLT18, GLMN15, GN19, GRL10, GHST98, GW98, GXY15, GB98, GT06, GV16, Gra14, GK98, GMS18, GPS95, GXZ21, GN22a, GM15b, GNPT18, GdLP+18, GM19b, GRPK19, GW00, GZ19, GC16b, GC17b, GLW18, GS97, HG02, HO18, HHS+16, HW13, HSB20, HS05b, HL09, HZXC16, HKL+22, HHZ22, HNS08, HSS08, HJ98, Hel11, HJ18c, HRT13, HP20, Hen06, Her08, Hes98, HS99b, HLM+09, HLS98, HO94, HO96b, HBS00, HWZ19, HH11, HVW95, HV95, HRS19, HDF+19, HS99c, HTB+05].
Equations [HHL07, HY14, HJX15, HZ16, HL17, HG00, HV04, HW09, HXB11, HXB13, HYC15, HYC16, HS21, HLL+22, HJX23, HK02, HPS22, IM99, ISG15, ILK05, JBH20, JL03, JR19, JW08, JJK23, JL11, Jia14, JP00, JX13, Jin99, JCL07, JLZ16b, JLZ17, JLP18, JK05, JP08, JL05b, JK00, JZ00, KV20b, KKK16,

KK18, KM11, KNN12, KGM+11, KM97, KK13, KS99, KLW02, KL05, KGGS10, KKN21, KPS19a, KZK17, KRR23, KZP20, KKS21, KS20, Kla98a, Kla99, KLR15, KR11, KPS19b, KLS08, KCB17, KOV15, KMR19, Kue12, KW15, KW10b, KQW04, KMRW97, KL00a, KNP01, KP09b, KLLM22, Kus97, KR12b, Kus00, Kye12, LFM22, LW12a, LS12a, LS99, LL17, LFH19, LCH09, LL22, LSTY21, LLD99, LU17, LV20, LLP98, Lay03, LL03a, Lee09, LMW15a, LE17, LLS13, LSW17, LM08, LM12, LNSZ06, LN05].

Equations [LPR98, LHL11, LLX15, LZ17b, LJ17, LWZ17, LSC18, LNZ19a, LNZ19b, LYZ20, LZ20, LM21, LZ13a, LT00, LLL08, lLN21, LW03, LSZ11, LPS13, LY14, LGW19, LXdH20, Liu20, LGCL21, LB06, Liv15, LFLS08, LCJ96, LCH99, LN04, LS23, Lu95, LCR20, Lui01, LXL11, LC23, LX16c, MPS18, MR09, MN07, MRI21, MGB18, Mal07, MMM+94, MK00, Mar09, MB00, MMR19, MSW05, MPRW98, MPW18, McL95, MKW23, MK08, MT96, MP08, MT99, MT97b, MT06, Mis01, MSS12, MRKS21, MB19, MN11, MS18a, MS07e, Mor23, MWY17, MZ19, MYZ21, MV06, MSV00, MTBT17, NKLW94, NZGK21, NT18, NS19, NV98, NFFP18, NBA+14, NSK10, Not12, Not17, Ökt05, OR02, OKD16, OKGG+23, PS18, PKNS14, PNW16, PJZ23, PS10a, PCFN16, PS19a, PL12, PL21, Pen00, PATF19, PT01, PP08b, PRR05].

Equations [PRM97, PSC18, PvdVvG17, PBV18, PP12b, PELY13, PS12, PSS17, Pul08, Pup99, QFW22, RMR15, Rah96, RPK18, RAB+14, RSD+20, RT01, RL10, RX17, RW11, RMB00, RC06, RG09, RW22, RNR16, Rim18, RW01, RtTBAI21, RW06, RWX07, RSA05, RD21, SMZ18, Sar98, Sch98, SV08a, SSW18, ST16b, SE11, SE13, SWN20, SY12, SWX16, SYY09, SM94, SWT00, hSSW23, Sim07, SB05, SZP19, ST23, SvG08, SV11, Sta94, SMN10, ST98, SL22, SSH06, TLN14, TLLK09, TW05, TSX17, TYZ19, TC12, TSK09, TM14, TC99, Tor05, TKK16, TS14, VS04, Vil14, VS03, Wab05, WT23, WC03, WDE+99, WL01, Wan07a, WL08, WWY09, WWY11, WMC12, WB12, WRSZ18, WHL18, WYT18, WMHK19, WWM03, WGS17, WJS23, WE06, WvdZSvB18, WS20, WL20, WZ21b, WX21, XZB11, XQX15, XK02, XH05, XT06, Xu94].

Equations [Xu99, Xu04, XZ10, YCZ13, YJ13, YDF97, YCC10, YZK20, Yan14, Yan18, YHL19, YR12, YCY19, YLF23, YCS16, ZN16, ZK14a, ZCZK14, ZZK15, ZMK17, ZTBK18, ZS03, ZV05, ZCW10, ZCL+11, ZLS12, ZRTK12, ZTRK14, ZFLB15, ZFwCW15, ZZ18, ZCP06, ZFZ14, ZCQQ21, ZHL21, ZS02, ZFHS15, ZTM+16, ZPE12, ZKV99, Zyg11, bZOW07, iW11, AGC96, ABS96, ABCM97, ABCR93, Atk94, AO93, BZ96, Ber97, Bia94, Bøe93, CC97, DS95a, EOD93, ES96, Ena97, ED95, Gre93, HHRV93, HG96, Hes97, LK93, Lam97, LV94, LCW95, LSM93, MT97a, MS93a, MCJN94, MP94, PSB+06, PM95, She94, She95, SS95, WAS94].

Equatorial [Mar09]. **equidistant** [bZOW07]. **Equidistributed** [BKS98]. **Equidistribution** [Che94, CF97].

Equilibria [AEMM16, AHJS01, HBJ04, Kue12, LCJ+20].

Equilibrium [AAB+15a, CHL16a, PP05, TW96, WY19].

Equipped [RPSS22]. **Equispaced** [CCFG23]. **Equivalence** [Doh21, FKTW10, TSX17, WB99].

Equivalent [DH01, SCC17]. **Equivariant** [Tau96]. **Erasure** [ZGG17]. **Ergodic** [Vil15]. **Ericksen** [CGGGS15]. **Erratum** [BEM94, CDW14b, FGMP14a, FS13, Hri05, LB08].

Error [ABF99, AV14, AdVC00, Ain07, AD21, ABR17, AOR18, AOS20, AKMRB22, ASZ07, ATK12, ADLW19, BR02, BGGM22, Ber95b, BPS14b, BSX22, BS23a, BHL+20, BCM11, BP13b, BBT11, Bre99, BDW11, Cab94, CKOR16, CDKL22, CP04, Cao07, CGAD95, CF00, CP03a, CK03, CP07,

CWC08, CJ09, CRS21, Che94, CV94, Cho05, CCH15, CHM21, CWG10, CHH01, CE16, CPB19, DEM+20, Ded10, DP09, DFH+19, DOKM22, DEV16, DG16, DKW19, ELW20, EHW00, EMT09, FHL+23, FL02, GCS19, GLS08, GPW22, GGL07, GSS00, GSS22, GXZ21, HHS+16, Har08, HHW00, HM19a, HM19b, HM20a, HL98, Hof04, HR99b, HM20c, HWZ21, JSV10, KKP14, KLS+15, Kas95, KS99, KW10a, Kul12, KW15, LV07, LU17, LZZ18, Liu96, LK21, LPP09, LX16c, MBT21, MW22, Meu11, MNZ15, Nor07]. **Error** [OS15, OC03, OC05, PS02, PDH09, Pic03, Pic10, PS10b, Rad16, RKLM18, RL13, San10, Sch03, SZP19, SKJ+13, SSF16, TE07, TBM21, TO15, TP99, TBO10, WC03, WWY11, WRSZ18, WLLZ18, WCL+21, Wei94, WW10, Wic17, WSH14, WvdZSvB18, YFS21, Yan18, ZCK12, ZFLB15, Zha20, ZHS10, dLRT09, vLHH21, vdZvBdB10a, vdZvBdB10b, DG95]. **Error-Bounded** [DOKM22]. **Error-minimizing** [Wei94]. **Error-Oriented** [Wic17]. **Errors** [ACY+20, GK11a, GGK+04a, GMO14, GKRB16, GPS12, Hei13, HW99, LHR+18, Men94, RW97, Rub12, SX16a, Zim20, ten95, AGC96, SS93b]. **Errors-In-Variables** [ten95]. **Escape** [GDLS14]. **eSIF** [Xia21]. **Essential** [Sch09]. **Essentially** [CCJ21, CFR05, HKYY16, LLS22c, QS05a, QS08b, ZLS12, ZQ18]. **Estimate** [BR02, CPP+17, GJS19, KLS+15, Str93, Wat98]. **Estimates** [AOS20, AL07, BP13b, Bre99, CDH98, CF23, CAB04, DEV16, ELW20, GXZ21, GSV18, HHS+16, HZ11, HR99b, HM20c, HWZ21, JSV10, KL15, KL94, LD03, Meu11, PDH09, TBO10, WCL+21, WW03, ZCK12, ZHS10]. **Estimating** [AMHR13, CCPS20, GSO17, HSB12, HR14, HR16, KK16, Lei93, MW11, PVV11, SLO13]. **Estimation** [AK15, ABF99, Ain07, ALLK15, ABR17, AOR18, ATK12, AM05, BP97a, BG10, BF13, BCJ+21, BPS14b, BSX22, BS23a, Bla03, BESS19, BBT11, BM00, CP04, CBG+19, CCH15, CPB19, Ded10, DKW19, EHW00, EMT09, ES00, FB95, FKRH22, FR19, GLM22, GCB04, GM00a, GSS22, GK13, Har08, HCRT13, Hei13, Hof04, HTH+16, JKLZ18, JBL18, KH14, KR17, KS99, KLR98, KHU96, KHKL16, LV07, LX08, LM17, Liu96, MT19a, MS07d, Men22, MDG+18, Ng94, NRSD18, PHA18, PWG16, PCL+16, PS10b, RKLM18, RW13, RTH17, SPKB13, SW01, SXXN22, SSR+22, TP18, TE07, TO15, TTY16, TP99, WLPU20, WWY11, WE13, WLLZ18, Win06, WSH14, WvdZSvB18, YR12, YSS07, ZBFN17, ZFLB15, ZTM+16, ZW16, vdZvBdB10a, vdZvBdB10b, Liu93]. **Estimator** [Che16, LPP09, Pic03, Pic10, Sch03, SSF16, WW22, WW10, WP20, HW99]. **Estimators** [CPG20, Rad16, Red99, SZP19, TV98a]. **Euclidean** [ACCO00, EAA21]. **Euler** [ABCM97, BQRX22, CBG12, CCM08, CDF18a, CK15, CGP22, CPR11, DDGS16, DLV17, DT03, EOD93, Ena97, GNPT18, HG02, Her08, KLS+15, KPS19b, KQW04, LK93, LLD99, LW03, LJL98, LSM93, MV06, NBA+14, RSD+20, SMN10, TKK16, TV93, WX21, Xu99, YC14, YLF23]. **Eulerian** [AHH12, AHR12, BCM15a, CQ22, GH18, Gra14, GPSY17, HL19, ISS19, KMER22, NSK10, SZZ21, WLE+00, WZET13, WT16, YWL17]. **Eulerian-Type** [ISS19]. **European** [AO07, FO08, OGO13, OGO16, Toi08]. **Evaluate** [BS98, Bar00, HS99a, PRM09]. **Evaluating** [DP07, Li10, MT23, OR18, Yun03]. **Evaluation** [AO07, Bar14, BWV15, BN98b, BKT21, BER17, BV98, CKK20, CBN02, CBS00, DP09, Far01, FM12, GJM94, GPK04, GGK04b, GBS19, HKF+13, In99, JLZ16a, JF16, Kea97, KKLS05, KLST06, KS07, KW11, LS12b, LHN96, LG09, LX14, MAK20, Nit99, OSU10, OW98, RMC12,

RV22, Ros06a, SNB16, YH17, YH19, ZV22, aKT18, BS94, SS93a]. **Evaluations** [Bot23, KHRvBW14, TZ14, TEE+17]. **Event** [GL15, Kof04, LLZ15, WLPU20]. **Every** [Fer98]. **Evolution** [AF22, And16, BEG+08, BGN07, BGN08, BGK15, CGKM16, Coa12, DHO12, EOZ94, Fis19, GN22a, HLNS19, JTZ08, JLZ17, KM97, KLS08, Kup00, LPS13, LFLS08, LMMW04, McL12, MK96, MRSS14, NS19, RS00, SL11, ZFLB15]. **Evolutionary** [ABN21, CDGT01, DCB22, DKZ09, DLZ10, lLN21, MPW18]. **Evolving** [CM09, CW16c, MRI21, NNH99, OX17, RD21, TN16]. **EVSL** [LXES19]. **Ewald** [JLXZ21]. **Exact** [BHNPR07, BLP14, BBR08, CFSZ08, DMR17, DN97, EFOS20a, EFOS20b, Fli13, HM20c, JP08, NHSS13, NMS06, Oli01, PDH09, PV08, PEC+14, Saa03, SBP04, SWU16, Str93, VS03, WMUZ13, YWG21, Yan18, ZH09, HLS93]. **Example** [CST16]. **Examples** [DKSW19, MT99, GM96]. **Exascale** [MRL+17]. **Exchanger** [VP14]. **Excitation** [CVK13]. **Excitations** [TXZZ22]. **Execution** [MZW09]. **Exercise** [LFBO08]. **Existence** [FLM+05, Gär09, Zyg11]. **Exit** [BP06, GDLS14, KTSB19]. **Expansion** [Bur97, CJGX15, DLY14, FUNB18, FMS17, GTK+17, MMS23, OC03, OC05, PDA09, RZ03, RO12, ZRTK12, aKT18]. **Expansions** [BBKK97, BDW11, CJ05b, CML+18b, FO08, FEL18, GI17, JNZ17, JK10, Kei09, RT05, Rub12, RN14, ST22a, SM15, TW09, Nat95, Nat97]. **Expectation** [LR10]. **Expectations** [ML11]. **experience** [Car93]. **experiment** [Ber97]. **Experimental** [AC22, BFI07, EHS19, GHKF22, HHP21, HHP22, LPSB17, RCC18, TBKF14, WCG23, BL03a]. **Experiments** [ABH03, APSG14, APSG16, AS18, ALM22, Ban10, BBC+01, BG12, CGP12, CGDD11, DTT+16, GMT98, HRV11, vdHCDD15, Kor93]. **Explainable** [BPS22]. **Explanation** [AS21]. **Explicit** [AVZ13, AdS22, AT20, ADP20, AV21, AAII98, BPR13, BQR18, BB09, BK11, BHL22, CHAMR06, CZZK16, CR21, CS10b, CS10c, DW98, DG09, DMD+12, EJL03, FGS14, GKC13, GLQ18, GMM15, HS05a, HCRT13, JLP18, KCB17, KW10a, Lay06, LW22a, LL20, LD05, LMSSS97, MO00, NP17, ODN17, PKD13, RSD+20, SKWK18, SS93a, VS04, WL01, ZS02, Ena97, LK93, ZSB16, EG22]. **Explicit-Implicit** [ZS02]. **Explicitly** [DCP11, EPE05, Isa20]. **Exploiting** [AKA13b, ALM19, ABB+16, EL93, GRT05, HP21, MDC08, SLvdGK14, SBS98, SW03, SvG10a, VDD19, Wan12, ZMS21]. **Exploits** [HM19b]. **exploratory** [Sun93]. **Exploring** [ES18a]. **Explosive** [BBH+16]. **Exponent** [LCE22]. **Exponential** [AMVR17, AMH11, BDZ13, BMaK19, Bar12b, BM17b, BN13, BGH13, Bot23, Buv20, Buv21, CL22, COR13, CKOR16, CHKsL20, DLP05, FMYT16, HKYY16, HLS98, Hok17, HWZ19, HJX23, JL03, JL05a, KCB17, KBG18, LPS10, LW16, LYZ20, LL20, LT14, LCR22, MHW22, PS19a, RV22, RX18, SIDR15, SL09a, TLT12, YH19, vdEH05, OS95]. **Exponential-Polynomial** [RV22]. **Exponentially** [BB10, Lan10]. **Exponentials** [PPT11]. **Exponentiating** [Lee13a]. **Exponents** [BHW99, YWL17]. **Exposing** [BDO12, YS16]. **Expression** [IHTR12]. **Extended** [AKPRB08, BPS13a, BT21, DU19, DL23, DSS20, GH15a, GS19, HTW+12, HJKK22, KK16, PCD17, SPKB13, Ser06, Yun03]. **Extending** [BBH+16, LS20]. **Extensible** [HHLL00, KMA+12]. **Extension** [AG21, AP14, AT19, ACN19, BT04, Beu05, BHL22, GN22b, KO13, Pip13, RSA05, TT13, WJMT15]. **Extensional** [KP10]. **Extensions** [Cho09, CS12, DG16, DLP+21, FFS07, MH16, Nie06, XAW17]. **Exterior** [HHT03, KL13a, LY22, NHSS13, PTT20b, TET10]. **External** [DL20a, Tsy99, Tsy97].

BG13, BDPR22, CGGGS15, CCJ21, CH09a, CGQ10, CG99, CPV95, CM98a, CM98b, CCKP21, CSW99, CK03, CGP12, CLP08, CZ10, CDK19, CHKM13, CW18, CK15, CFKM18, COS21, CD02, Che05, CCCZ10, CMZ19, CLTX15, CFJT18, CGX21, CF05, CG07, CFM96, CDPC13]. **Finite** [CGP19, CHH01, CVE13, CH11, CSW14, DY06, Dar21, DMMO04, DMMO05, DG98, DLTZ05, DRFNP07, DFN12, DKR12, DFJS19, DHP17, DGLW16, DMSC18, DEP11, DZ08, DW15b, DTYY18, DMZ21, DGvdZ18, Egg18, EAOS21, ES17, EHW00, EIL01, Fai03, FVV21, FV06, FHFR13, FGM08, FO19, FM11, FKTW10, FS02, FCM12, FL08, FCF19, FEM08, FL19, GCD21, GJ08, GYZ11, GW15, GHMY18, GBS$^+$22, Gas13, GK18, Gee19, GL08, GHST98, GKT09, Gra14, GLC21, GJ07, GPSY17, GdLP$^+$18, GC97, GLW18, HA01, HHS$^+$16, HHLZ21, HH02, HL09, HZXC16, HR99a, HPS08, HZ11, HTW$^+$12, HY08, HJP03, HXX18, Hor10, HQH$^+$16, HS01a, HS18, HY10, HK95, HS99c, HZZ20, HLY13, HJX23, HSSZ09, Hun95, Hun96, ISG15, ILK05, IT09b, ISS19, JV96, JK11, JHJ12, JKL22, Jia14, JSZ13, JX13, JK05, JGZ06, JR96, JZ00]. **Finite** [KLV$^+$16, KV20b, KV20a, KP09a, Kan03a, KL05, KMS15, KKLS05, KLST06, KS07, Kir14, KKS21, KO17, KP12b, KPS19b, KLY05, KLY07, KP22, KW16, KZ16, KKK18, KS14, KW10b, KTSB19, Kup00, Kwa99, Kye12, Ld12, LW12a, LO11, LP11, LP13, LZ21a, LSTY21, LP96, LLP98, LMR98, LMM18, Le 01, Le 05, LRP07, LP08, LDS11, Lee14, LNP15, LPP19, LPMR19, LSW17, LMM17, LOL13, LO14, Lem16, LHL11, LNZ19a, LNZ19b, LZ21b, LSYY21, LSV13, LSZ11, LTW18, LP03, LKvBW10, Lu95, LGR20, LMMW04, LK98, MMZ03, MRI21, MH17, MM14, MRT00, MLL13, MC10, MB13, MBM$^+$16, MCB18, MT09, Mic01, MTTV98, Min02, MSS12, MR18, MS12, Moo00, MS18a, MAK20, MWY17, Mu20, MYZ21, MGH21, MSV00, NN14, NN03, NNRW09, NV98, Nie16, NSK10, Not00b, ORST12, OX17, OQRY18, OL98]. **Finite** [OSS22, OSCE00, OKGG$^+$23, PRS12, PDTVM08, PP12a, PKD23, PHW19, PL06, PSKG13, PMH$^+$16, Pet01, Pic10, PPRS19, PvdVvG17, PWGW12, PRSS11, PKA22, PC98, QZZ14, QS03, QS08b, RMR15, RL18, RW21, RU01, RW01, RKL09, RDP08, RV10, RLC08, RWW14, SMZ18, SB10, SCC17, Sar98, SJR09, Sch02, SV08a, SL09a, SZ06, SXL$^+$22, SYY09, SY18, SXXN22, SC02, SSF16, SK23, Sta00, Ste01, Str99, SL09b, Tal15, TB99a, TX17, TBH23, Tie18, TLH21, Tor05, Tou22, Ull10, VP10, WS07, Wal18, WLE$^+$00, Wan01, Wan04, WWY09, WB12, WH15, WDG$^+$18, WP19, WDGK20, WGS17, Whi15, WMBT19, WH09, WKM$^+$07, XL20, Yam02, YSZ14, YCY19, ZLLT13, ZN05, ZJC12, ZLS12, ZWZ19, ZHY21, ZWP21, dZHY23, ZMS10, ZJB20, ZHS10, ZK96, ZQ18, ZLJ96, Zin00, dVM08, Ain96, CGP93, Elt96, MP94]. **finite** [PSC$^+$16]. **Finite-Budget** [SK23]. **Finite-Difference** [ACHZ21, ABHS22, FV06, HZ11, JZ00, KP09a, LP03, Lu95, OSCE00, RU01, SXXN22, WDGK20, ZLJ96, Zin00]. **Finite-Element** [AV14, ACHZ21, CGGGS15, CGQ10, GJ08, HJP03, Le 01, Le 05, LRP07, LP08, LDS11, MTTV98]. **Finite-Time** [LSYY21]. **Finite-Volume** [CCKP21, FEM08, MSV00, ZJC12]. **Firedrake** [LMKG16]. **First** [Abg09, AMMR10, AMM$^+$10, AMM$^+$11, ABM$^+$13, AV14, ALMR17, AM05, BFS16, BLM03, BSU19, CLMM00a, CLMM00b, CP03a, CP05, DM13a, DFN12, EIJH20, EHLW20, ECH$^+$23, FMM98, HZXC16, HJ18c, HT16, HO94, HO96b, HS01a, HMMS22, LL22, Lan94, LMMR00, LM15, LMM17, LW16, NKLW94, OKF14, PSC18, Sha21a, VC00, WJW21, ZCS22, ZPE12, HO96a]. **First-** [DM13a]. **First-Kind** [NKLW94].

KRGO19, KM12, LSYY21, Lyo11, MH16, NP96, NL99, NNH99, OW02, OGO16, Pek12, PP13, RGOY10, RO12, RO15b, Sch96, TBH23, WOW00, WO01, WM05, XAW17, Yin09, ZF09]. **Fourier-Based** [CGC21, CD13]. **Fourier-Cosine** [FO08, LSYY21]. **Fourth** [AP12, BS05c, BGN07, BT97, FL19, GB06b, Hen05a, KT05, KR11, LR20a, LPR02, LD16, MT22, MN18, OKGG+23, PL03, RWX07, WP19, ZJC12, ZF14, Zha18a, ZWP21, ZzSpH14, She94, She95]. **Fourth-** [Zha18a]. **Fourth-Order** [AP12, BS05c, BT97, GB06b, Hen05a, KT05, LR20a, LPR02, MN18, OKGG+23, PL03, RWX07, ZJC12, ZF14, ZzSpH14, She94, She95]. **fPINNs** [PLK19]. **FQMR** [SV01]. **Fractal** [JK21, PD15]. **Fractional** [AN17, AG18, ALLK15, ACN19, ADS21, AF15, BKM19, BCF13, BWZ21, BHK12, CRMC12, CZK15b, CZZK16, CK17, CD15b, DMSC18, DW15b, DY23, FMYT16, FF15, Fis19, GR17, GAD+21, GN22b, GRPK19, GLW18, GZT+19, HO18, HP14, HLW00, HX21, HZ22, JlLGZ20, JLZ16b, JLZ17, LHL12, LMM18, Li10, LWZ17, lLTZ21, LZK17, LX16c, MS17, MMR19, MY20, Nik13, PKNS14, PNW16, PLK19, SXK17, TSX17, TYZ19, TWYZ20, WB12, WMHK19, XCLQ20, XZ23, YTLI11, ZK14a, ZK14b, ZCZK14, ZAK15, ZLLT13, ZZK15, ZLLT15, ZMK17, ZTBK18, ZzSpH14, ZZ16, ZLTA15]. **Fractional-in-Space** [BHK12]. **Fractional-Step** [BCF13]. **Fracture** [BPS13b, BPS13a, BSV19, EdDP09, HTW+12, HGPM14, MM07, PEdD12, WW22, Wic17]. **Fractured** [AFRV19, AGPR19, CDF18b, SCC17]. **Fractures** [BGPS21, BHR23, FK18, MJR05]. **Fragmentation** [LGW19]. **Frame** [CDBH16, LFJS14]. **Frame-Based** [CDBH16]. **Framelets** [CCSS08]. **Frames** [Pir16]. **Framework** [ACHZ21, AD21, AGI16, ACD+08a, ACD+08b, BMNV20, Ban08a, BS16a, BBH+16, BMMR20, BBD18, BTGMS13, BOKCW20, CHH19, yCWHJ12, CKO15, DO11, DOKM22, DSZ13, DGvdZ18, FCF14, GLRS23, GHKL22, GH18, GvR22, GPA18, IA14, JHJ12, JMNS16, JSZ22, KLRU17, KR00, Kye12, LL19, Lee12, MFSY19, Men22, MKB22, MTBT17, OS14, Pek12, PXYY16, PMSG14, PBV18, PSFL20, San10, TC12, Til15, TTY16, WL13, ZAD+16, ZH21, ZBdAF20]. **Frameworks** [AMV22]. **Frank** [MZWG16]. **Fréchet** [AMHR13, HR14, KR17, LKvBW10]. **Free** [ARM+19, ABN21, AS06, BDM+18, BGM13, BDKR21, BTY08, BB15c, Bog14, Bur97, CCKP21, CFSZ08, CF23, yCWHJ12, DFW21, DFW22, DKS21b, FK00a, GHKL22, GL22c, GY02, GCG+19, GJZ18, HKF+13, HXW22, HV01, HQH+16, HY10, HHLW15, Isa20, KCZ15, KR22, KRDL18, KV13, KGT07, LP08, LT09, LXdH16, LTzT21, LLS22c, MBKR22, MS06a, MT99, MAK20, MYZ21, PDH09, Paz20, PTvR+14, RK07, Sch02, SXXN22, Str94, TY00, TZ18, WL01, WWY09, XZ10, YH17, YGS+21, vVKA11, vdZvBdB10a, vdZvBdB10b, ACW12, Bru15, Fre93, SKF18, TR93]. **Free-Boundary** [LTzT21, vdZvBdB10a, vdZvBdB10b]. **Free-Form** [PTvR+14, YH17]. **Free-Space** [Bur97, GJZ18, Str94]. **Free-Surface** [MT99]. **Freedom** [SV11]. **Freeform** [RtTBAI21]. **Frequencies** [ZTK19, WM93]. **Frequency** [AIL05, BS95, BKS16a, BER17, CLL20, CHL16b, DT95, Den97a, DHM22, ERSZ17, HV07, IJ08, KMW99, KK02b, LAG14, LQ19, LGCL21, OH21, RBH06, WY19, ZNZ16, Zim14, vLH14]. **Frequency-Adaptive** [IJ08]. **Frequency-Domain** [vLH14]. **Frequency-Limited** [BKS16a]. **Frequency-Stable** [OH21]. **Friction** [CEP20, GdLP+18, HMW07, HSW08]. **Frictional** [CHH01, HSWW08, Kra09]. **Friedrichs** [CHWY23]. **Fringe** [NNH99].

CEOR18, CDH98, CC20, CS20, DLZZ17, DK10, DFG15, DEC05, DKS23, Don06, DN19, Fie98, GW20, GS12, GHKF22, GY99, GRMS09, GZW20, GH99, GLC21, HCHY23, HR99c, HSY20, JvGVS13, Kny01, KS13, Kup00, Kus00, LCE22, LS16b, LGY+23, LC21, LSZ23, Mou20, NZZ06, NLY23, OPR23, Par17, SYEG00, SCM10, SM94, Spi16, SO97, TBO10, UWY+15, VHSP20, VMV15, WS07, WZGO21, WJW21, WTP21, WOP23, ZCPM20, ZN05, ZZWZ14, ZZZ21, Zim13, ten95, Car93, NP96]. **Gradient-Based** [GHKF22, VHSP20, ZCPM20]. **Gradient-Enhanced** [Zim13]. **Gradient-Particle** [Kus00]. **Gradient-Weighted** [CM98a, CM98b, Kup00]. **Gradients** [CJ99, GRPG01, GLZ22, NR98, Not00a, PF12, RN95]. **Grain** [BL23b, KLT06, Man99]. **Grain-Size** [Man99]. **Grained** [BDO12, But13, CP15a, WSA16]. **Graining** [AKPRB08]. **Gram** [BG22, GL03, Ste08]. **Gramian** [BB08a]. **Gramian-Based** [BB08a]. **Grandchild** [DT95]. **Granular** [BL23b]. **granularities** [BME93, BEM94]. **GRAPE** [NKTY08]. **Graph** [AGR+20a, BLV17, BGL+21, BTY08, BCK22, CCS97, FFS07, GKM+17, GS05, HL95, HS06c, HWZ21, KPPS14, LT09, LB12, MC09, NN17, OKLS15, RC23, Sch10, VSS14, WZSL12, ZZL22, JP93]. **Graph-Based** [RC23, FFS07]. **Graphic** [WHCX13]. **Graphics** [BBFJ16, BCFJ19, KMSM14, Nov15]. **Graphs** [Ash95, ABL+20b, CS11, DHPAH19, ES18b, FB21, FMS17, HÖU+19, KK98, KPÇA12, KPP+14, KV13, OWO14]. **Grassmann** [DS96, DH16]. **Grassmannian** [dSGS22]. **Grassmannians** [SL10]. **Gravitation** [TKK16, WX21]. **Gravitational** [LXL11]. **Gravity** [CK15, KPS19b, LRP07, Pet93]. **Gray** [TWZ21]. **Greedier** [LLS22b]. **Greedy** [BW18, BW21, ERL22, Lin16, MS07b, MS07a, MS13, Zha20, ZW16]. **Greeks** [KKS08, WWH17]. **Green** [Bur97, EHL05, ZZ18]. **Greengard** [Alu96]. **Greenland** [HPR22]. **Green's** [GJZ18]. **Gremban** [FMS17]. **Grid** [AT17, ALMT20, AG17b, AWW19, BN23, BACF08, Ber95a, BvW09, Bot23, CWX15, CJ05a, DF10, DGL+12, FL97, Fer98, GI17, GV13, GKT09, GR05b, GC16b, HKF+13, HHLS15, HBL05, HS94, ILK05, Jam98, Knu96, KR00, KRS21, LMPQ03, Lem16, LZ21b, LJL98, MS07a, MK08, MY18, NNRW09, OB21, PCFN16, Pet99a, Pup99, ROM18, SP03, SY10b, SY12, DFK23, TCZC19, TT06, WL11, WHCX13, WLZ18, WO01, Wu18, XBC96, Xu94, Yav98, ABCM97, Atk94, TV93, VBT99, CP13, NJ14, SAB14, ZTRK14, ZNX14]. **Grid-Based** [HKF+13]. **Grid-Free** [HKF+13]. **Grid-Particle** [CP13]. **Grids** [ABBM98a, ABBM98b, ADR14, AD20, AFRV19, ABMP22, AD06, BGOD08, Bea20, BH12, BCI22, Bit99, BL05, BKS98, CH94, CKV99, DFQ14, DMBB10, DRW20, EZ11, FS14, FUNB18, FS22, FO19, FEM08, Gär09, GGL09, GMSB16, GvR22, Giu22, GZW18, GOV06, HL20, Hen05b, Hen06, HH11, JKY21, JJK23, KN21, KH00, KP12b, LE10, LO14, LDM00, Mac98, MV09, Mau95, MBVOT22, NX12, PZZB15, Pet99b, RT01, RW01, RHSK11, SJR09, SR16, SNB16, TW05, TC12, VHSP20, Wan01, WM11, WK03, WPGR13, Wu99, Yam02, YPHH17, YYY11, Zen16, ZF09, Zie12, bZOW07, BZ96, Pet93]. **GRINS** [BS16a]. **Groove** [GL22b]. **Groove-Textured** [GL22b]. **Gross** [DK10, DP17, PQR20]. **Ground** [BD04, BL08a, BR19, DP17, DL22, LC21, LYZ23, TCWW20, VS17]. **Ground-State** [VS17]. **Groundwater** [JKKM01]. **Group** [GL18, KASL21, KV12a, MW08a, TGPK23]. **Grouped** [BPS22]. **Groups** [Mit08, XD21]. **Growing** [FV06, FFSS13]. **Growth**

[CPV95, SVX15]. **III** [ABH03, GS02b, Hes98, She97]. **Ill** [BS07, Bur13, Bur14, CH17, CCS98, FKN+20, HR96, HvBW23, KO99, Lan10, LM17, MFJ19, NM13, PS01, Reg96, RS02, SBC93, TO15, VW94, Di 95, HO93]. **Ill-Conditioned** [BS07, CH17, CCS98, FKN+20, MFJ19, PS01, Di 95]. **Ill-conditioning** [SBC93]. **Ill-Posed** [Bur13, Bur14, HvBW23, KO99, Lan10, LM17, Reg96, RS02, TO15, VW94, HR96, HO93]. **ILU** [Bol03, CPV95, CMV97, Gup17, HS06c, INS05, JFG10, KOV15, MW13, Saa96, SZ99, Saa03, Saa05]. **ILU0** [GM15a]. **ILUM** [Saa96]. **ILUs** [BS05f]. **ILUTP** [May05]. **Image** [Ami94, BV03, Bar12a, BDE08, BDR18, BMR13, BNFS13, CDBH16, CCS+19, CGM99, CMM00, CCSS03, CC03, CC11, CJK10, CMSS06, DEC05, DGP10, DMN08, FNNB05, FNB06, GY05, GMS02, GLN09, HM05, HHM07, HHM08, HW01, HW03, Hen05a, HLMR96, HS06d, HDB08, HHMDC18, KY03, KRDL18, KHKL16, LFB13, LRT11, MR17, MB17, MGDB19, NWY10, NWY11, NP14, NN05, NNT13, SSM+20, WBFA09, WNC08, ZWZ+13]. **Image-Driven** [SSM+20]. **Image-to-mesh** [CC11]. **Images** [BBSW16, BNP15, CCSS08, CC10, GHS+09, HLZ13, LQZ22, Mit08, NO98, YZY09, Gu93]. **Imaging** [AILP07, AKLP10, ACHN21, CHH19, CGM+21, CJN13, CHKsL20, DEM+20, FHR14, HHP22, JBL18, LTG22, MSL13, Tim19, XK08, dSK11]. **Imbedding** [PV94, PV95]. **IMEX** [BR09, BBM+15, BMV13, EG23, GML+21, PL21, WvdZSvB18]. **IMEX-DG-S** [PL21]. **IMF** [VM13]. **Immersed** [AL02, AC04, AC05, AM19, BMDO16, BKFG19, CBF17, DK03, FGMP13, FGMP14b, FK00b, GY06, Giv12, HHLZ21, JP01, KP06a, KLJ10, LHL12, LL97, LL03a, LP04, MP20b, MR18, TLLK09, TP09, VP10, WFAP15, XW05, FGMP14a]. **Impact** [Kaw15, SCS04]. **Impedance** [BCH12, BTLZN22, CHH19, GJ21, HHMS15, KH00, vdDA12]. **imperfect** [LP06]. **Implementation** [ABH03, AH06, AW11, BMP14, BP97b, BBC+01, BG12, BB02, CD20, CVW06, Drm97, DG99, DSYG18, FN94, GCB15, GLR+16, GMT98, HS05b, HKR16, HWD02, HS17, HMR09, HC98, JK21, KR06, KBG23, Leh15, LZ99a, LXES19, LT14, MCT+05, MLL13, McL07, NRSD18, SCM10, ST00, VW98, WL13, XH15, ZK96, FGN93, Göt94, Heg95, Log03b, Smi93]. **Implementations** [BDM+18, GKNW18, Ket08]. **Implemented** [CPG20, Yan19]. **Implementing** [EFOS20a, EFOS20b, LST07, LZ99b, Van20, YYWY18]. **Implicit** [AT20, ADP20, ALJ99, AAII98, AHH06, ACF09, BF06, BZ15, BPR13, BBM+15, BQR18, BW01, BHK12, CB98, CZZK16, CCM08, Che16, CR21, CCG14b, CS10b, CMSS06, CPB19, DW98, DHL21, DLM16, DFW22, DMD+12, DB07, EL20, Ena97, EF05, GH18, GRL10, GKC13, GNS22, GX16b, HC05, HMR09, HYC15, HPS22, JSZ22, JWC21, JLP18, JR96, JR98, KSMM18, KW15, LL02, LM05b, LCK21, MR09, MNS07, MO10, NNRW09, NW22, NKM10, ODN17, OS98, PP05, QS18, Rak21, RHL+21, RMC12, RG09, Sem10, Ske00, SKPD22, SKP22, TKCC13, VV05, VD10, VS04, WSA16, XZLX22, YCC10, YC14, ZEG19, ZTBK18, ZSB16, ZLZ22, ZS02, dLRT09, vdVXX19, BCT05, BQRX22, GC16a, KS13, Lam97, Lie93, TV93, vd97]. **Implicit-Explicit** [AT20, ADP20, AAII98, BPR13, BQR18, CZZK16, CR21, CS10b, DW98, GKC13, JLP18, ODN17, VS04, ZSB16]. **Implicit-Modal** [KSMM18]. **Implicit-Solvent** [WSA16]. **Implicit/Explicit** [DMD+12]. **Implicitly** [BCR03, BR05a, DPF15, FGO20, JN10, LVWW03, PHA18, Say15, ST16b, SSW98].

ABBT+20, ADL+12, AHDK14, AC22, BCS07, Ban08a, BL03a, BYZ19, BSHL14, BH20, BC06, BK08, BMT96, BT98, BT00a, BCT00, BBFJ16, BCFJ19, Bol03, BS05f, BESS19, BT01, BGR16, BDR18, BBR08, BTGH12, BTGMS13, BGMW17, BJW18b, BJW18a, BH14b, CPS20, CDGS05, CBG12, CK23, CYDK21, CS98, Cho00, CDY07b, CN10, CCO11, CEO11, CS17, CGM00b, CHM02, CPD17, DSZ13, EMSW12, FLU+20, FWA+11, GSO17, GNL14, GY02, GS98b, GHR12, GHR13, GMS18, HHP21, HN20, HvBW23, HC05, HCRT13, HAS20, HP94, Hös94, HZ22, JFG15, JKM14, JL19, JZX+21, JCdS21, KY19b, KLZ22, LLZ08, LM14a, LZ17b, LLSX21, LWG10, LNC05, LY22, LPY+21, LvL21, MWBG12, MZ94, NP10, NRSD18, OGO16, PVV11, PMSG14, QZZ19, RKvdDA14, RCC18]. **Inverse** [SSW18, SKN19, SSC+15, SCW+17, SLO13, SSR+22, TS11, TPQD22, TBKF14, TTY16, UG19, WZ03, WBS+17, WBTG18, WG20, XYGO01, XK08, YG15, YBHY15, ZN16, ZGA10, CS97, Nag93, Tre97, MG09]. **Inverse-Based** [BS05f]. **Inverses** [BT99, BGMR01, GH97, HWS05, KRT16, LS20]. **Inversion** [AdSK19, AGHJ23, ADLW19, ASS16, BT21, BTGMS13, CCC17, CG21, CG17, CGMV05, DDE+20, DF21, GST12, HFL+16, Lee21, LYL+11, Luu15, MWBG12, MBVO13, OD12, PDC99, QQSvdG01, RT10, TH17, UDH23, YBM+18, dSGK+15, vLH14]. **Invert** [LPS10, ZTK19]. **Inverting** [GGM01, GMV99, Wei99]. **Investigate** [vD03]. **Investigation** [BV19, Dar21, Lan10, PBJ+96]. **Investigations** [LL00]. **Inviscid** [ABC00, FL02, HDF+19, In99, LH00, PM15]. **Involving** [AOR18, CG18, DTR21, DY23, FF05, KP09a, PDA09, RKvdDA14, SSW18, TWYZ20]. **Ion** [GST+99, XL20]. **Ionic** [XJS13]. **Ions** [GJLX16]. **iPSC** [Rot96]. **iPSC/860** [Rot96]. **IRBL** [BCR03]. **Iron** [HHP21]. **Irreducible** [XD21]. **Irregular** [BOPGF06, ILK05, JZ13, KK98, LQH21, Liu20, SKF18, SV03, WL04]. **Irregularly** [Har11, PYSG13]. **Irreversibility** [WW22]. **Irreversible** [ST22b]. **Isaacs** [BHT11, HW13]. **Isentropic** [Egg18]. **Island** [ABM+13, LL11]. **Islands** [BM95b]. **Iso** [YZ08, YZ07]. **Iso-Homogeneous** [YZ07]. **Isogeometric** [AB19, ABPW21, BPS+14a, BCdF+20, BDS20, CDPC13, DKSW19, HLT16, HLNS19, PMCA15, ST16a, SD21, WSP22, dVPS+17, dlRRG19]. **Isometric** [BMP22]. **Isometry** [BBK06]. **Isometry-Invariant** [BBK06]. **Isoperimetric** [GS05]. **Isosurfaces** [Wal13]. **Isothermal** [RJLW20]. **Isotropic** [CMM+07, GLQ16, JLY08, KR14, KLY19, MMM+94, PABG11, SCC17, MMM+95, MMMY96]. **Issue** [Elm98, Elm00, GW04a, JKR08, Tum10, Vas07]. **Issues** [DG98, FFMT96, HR05, Wan07a]. **Itô** [BRW10, GS14]. **Iterants** [BM95b]. **Iterated** [BL08b]. **Iteration** [AMM+10, AEFM17, AFK15, AP99, BBGS13, Bog14, BGH13, CGL+13, DH95, DEC05, DJLZ96, DHZ+21, DL22, EEO01, EMSW12, EN08, GGGL10, GW98, GY99, GWBW22, Gu15, GD07, HHLW15, JKM14, LM15, LP22, LLWxY20, LY13, LW20b, LR98, SQO02, TY00, Ver96, WMUZ13, YBHY15, YP98, ZMS21, vNLB04, Atk94, CGP93, LZ94, TT96b, Ver94, vd97]. **Iteration-Free** [Bog14]. **Iterations** [AD20, BDE08, CS98, Fer98, GPP95, HJ19, KMT98, Mit23, OS98, PL03, vLHH21, ES96, NP96]. **Iterative** [AGR20b, BBP21, BHN07, BGL08, BYZ19, BG10, BCC+15, BGS17, BER17, BC99, BMMT14, BC08, BC09b, BNFS13, CJH11, CH17, CH18, CHP20, CK23, CMK11, CJN13, CL21, CN10, CS17, CDPC13, CRV13, DW97b, DW98, DJMR23, Dax03, DS00, Den97b, DJ07, DYZC22, DHHR19, Elm98, Elm00, FB21, FFMT96, FS01, FS11, FDH+20, FJP+11, FKW13,

GLRS23, GH13, GRT05, dMGF17, GV98, GHS+15, Gri94, GO09, GrM10, GS97, GP96, HHRV93, Hag00, HW01, HS99b, HD15, HJJ22, HK95, JW08, JSV10, KR12a, KM98, LVWW03, LK93, LCBD07, LCN14, LW19a, LLX15, LLS22b, LY98, LR20b, LCJ96, LGH+13, MS07c, MKSG10, MM19, MK00, MS06b, MPW18, MSM14, MG12, MCJN94, MO21, MDG+18, MTBT17, NKLW94, Nat98, NAC+15, NS19, NFFP18, PNW16, PS13, PW98, PRR05, PF94, PR96]. **Iterative** [RW11, RH09, RtTBAI21, RV10, Rüd94, SS98, SG11, ST17b, SG95, Sim07, SH14, SC98, SZW20, Sun95, TET10, TW13a, TLT12, UA07, UEE12, Vas07, VW94, VO96, WPL+13, WX99, WYL+22, WNC08, WC17, XL20, XZLX22, Yan94, ZW94, vdVY00, Bia94, CN93, DS96, Lie93, MMPR93, PCDB96, Smi93]. **Iteratively** [BM01b, GNL21, KASL21, Lan10, RVA17]. **IV** [She99, ZLBC03]. **IV/MD** [ZLBC03]. **IVP** [vd97].

J [BEM94]. **Jacobi** [BHT11, CCFP12, CCF14, DKK21, DKS23, HW13, KK18, NZGK21, ZHL21, Abg09, AH04, BFS16, BL03c, CC16, CFR05, Drm97, FSvdV98b, GST19, Göt94, GI99, HT13a, HL10, Hoc01, HS99c, HJX15, HHLW15, HJ19, JP00, KNP01, LNSZ06, LT00, LPS13, MN07, MK00, NvdP00, Nov15, Nov23, RO18, RZTK+15, SB98, TW05, YDF97, ZS03]. **Jacobian** [AMB+94, CG18, CV98, GJP+14, Knu96, KR00, RtTBAI21, SBND11]. **Jacobian-Weighted** [Knu96]. **Jacobians** [PT08, TB99b]. **JCP** [DSA23]. **Jet** [BLGL11, PC21]. **Jets** [PL06]. **jInv** [RTH17]. **Joint** [AGSS19, MFSY19]. **Jointly** [Bar12b]. **Jordan** [Aru12]. **Joseph** [HLLM15]. **Journey** [SvdGP16]. **JSC** [DSA23]. **Julia** [KBG23, RTH17]. **Jump** [AM05, BMDO16, CH08a, KL11, Lay06, LZ16, MEHL16, Toi08, Wan04, XW05, dFL05]. **Jump-Diffusion** [AM05, CH08a, KL11, Toi08]. **Jumping** [CGM00a, KRGO19]. **Jumps** [DMR17, GDC+23, Kaw15, Wel17]. **Justification** [Li03].

Kac [DYZC22]. **Kaczmarz** [BW18, BW21, DHN17, DSS20, DHZ+21, HNR17, vLHH21]. **Kaczmarz-Type** [DHZ+21]. **Kadomtsev** [KR11]. **Kahan** [GSR19]. **Kalman** [KK16, LTT16, Lee21, LM14b, NRSD18, PMSI21]. **Kansa** [KCL16]. **Kantorovich** [DF10]. **Karhunen** [CML+18a, SA97, SAY03]. **Kármán** [CC97, CGM00a, DP03]. **Kawasaki** [CGO22]. **Keller** [HS21]. **Kernel** [AGI10, BMaK19, BzCS11, CCJ21, CD19, CP03a, Che13, CWA14, CL18c, DKDH20, DU19, GLS13, GJZ18, ILW17, JKY21, KS18, MXB15, MXYB16, MR07, NH18, Nas09, RLC08, SRS12, SL22, TY08, XKWY08]. **Kernel-Based** [AGI10, BzCS11, CCJ21, CL18c, GLS13, ILW17, JKY21, SL22]. **Kernel-Independent** [MXB15, MR07]. **Kernels** [AT19, ABP18, BV98, CCFG23, DEM+20, EY07, GHHH17, GR02, GP18, HM20a, LL22, LCD14, LXZ20, Pla15, PS01, WMSG09, ZZZ21, DR93a, Goe97]. **Khatri** [DMM20]. **Killed** [DYZC22]. **Kind** [CP03a, CP05, NKLW94, ZCP06, ABCR93, Atk94]. **Kinds** [ZFZ14]. **Kinematic** [BMV13, PDC99]. **Kinetic** [AT20, BK18, CL18a, CHL16a, CHL16b, DP10, FY14, FR15, GV16, GKRB16, GC16b, HHLZ21, Jin99, Kla98a, Kla99, LS12a, LFH19, LS13a, LM08, LM12, LXL11, MBS22, PL21, WT23, WMC11, WY19, Xu99, YJ13, YHS07, BPR13]. **Kinetic-Diffusion** [MBS22]. **Kinetical** [Dor98]. **Kinetical-Consistent** [Dor98]. **Kinetics** [CE16, IP06, YS16, Ver94]. **Kinks** [BG20]. **Kirchhoff** [GSV18, GSV21]. **KKT** [AVBTG17, KRT21]. **KL** [LZ04]. **KL-Based** [LZ04]. **Klein** [BDZ13, GMYL23]. **Knot** [BB15c]. **Knots** [PS03]. **Kogbetliantz** [Göt94]. **Kohn**

DKZ09, EAS08, EPE05, FWA+11, FSvdV98a, FB95, FGH+08, GGS19, GLSTV16, GSR19, GN23, Gug16, HN19, HMST11, HMAS17, HPS08, HLS98, Hof04, HL17, HJ19, JR19, JN10, JZ13, JSZ22, KFR21, KS20, KV13, Kus97, Lab05, LM00, LAG14, LT09, LWG10, LZ13b, LXdH16, MGDB19, MWBG12, MS04, MW01, Men22, NNRW09, NvdP00, NLY23, OKF14, PS18, Pen00, RZTB22, RS02, RMD08, RM08a, Ros15, Ruh98, SBR06, SWW08, SWB16, ST17a, Sim07, SC02, SvG08, SVX15]. **Large** [Tor12, TS14, VDD19, WPL+13, WWYX20, WYL+22, WM05, WT01, WS15, WRS17, WXS19, Xia13, Xue18, YPN+01, YGB+05, YMM14, YSK19, ZYSL15, ZCC+16, AMB+94, BHP94, Dax93, DLG97, JS93, ST94, TW93]. **Large-Eddy** [BST08, EAS08]. **Large-Particle** [SC02]. **Large-Scale** [AVBTG17, BCR03, BS05a, Ban08a, BSSW13, BBKS20, BHT09, BTY08, BCL99, BMPS22, BTWG08, BTGH12, CN10, CP15b, CS17, CSW10, DDMQ18, FWA+11, FB95, HMAS17, HPS08, JR19, KFR21, KS20, LT09, LWG10, MWBG12, Men22, NLY23, OKF14, PS18, RS02, RM08a, SBR06, SWW08, SWB16, Sim07, SVX15, VDD19, WWYX20, WYL+22, WM05, WT01, WRS17, Xue18, YPN+01, YGB+05, YMM14, ZYSL15, ZCC+16, BESS19, BHP94, ST94, TW93]. **Largest** [HR16]. **Laser** [CBK18]. **Lasso** [AW21, KASL21, WYL+22]. **Latency** [GAMV13]. **Latent** [ZS99]. **Lattice** [BS08, BYK05, BGGM22, CLDS19, CKN06, DSB99, Del14, FKK+14, HHSW11, HHR23, HHLL00, HYC15, HYC16, JK00, LL03b, Rei18, Rei20, SR16, SBX+08, SSR+22, WS06, Wan07b, ZZY20, Elt96, MDA22]. **Lattices** [SLO13, SSN19]. **Launch** [EHW00]. **Law** [AGH00, CHR02, DMZ21, FMR06, GGK+04a, ISS19, TW17]. **Lawrence** [DG99]. **Laws** [AB02, AD06, BLMR02, BF16, BBSW94, BGGM22, BPR99, BT20a, BBC+21b, Bur23, CGV18, CW13, CW14, CW16c, CLL13, yCWHJ12, CK94, DGLW16, DS16, DBSR17, DB07, FK19, FK21, GR05a, GB12, GMS02, HH02, HBL05, HC20b, JT98, JSZ13, KL00a, KNP01, KPP07, KPW17, LPR00, LPR02, LLLX16, LD16, LST20, LN03, Mar94, NMAB11, PPR05, PPRS19, QS18, QS08b, SL11, ST17a, SMR01, SJD14, TW12, Tor12, TLE12, TW95, WDG+18, YHQ12, ZD19, ZQ17, dLRT09, BH97, Pem93]. **Lax** [JSZ13, Kol99, LD16, MR01, QS03]. **Layer** [AK09, AH09, ADM+15, Bar14, BWV15, BHNPR07, BS06b, CKK20, CM98c, FV06, Far01, HKB21, KP09b, LG09, LXYZ23, TT96a, WK18, YWG21, ZV22, aKT18]. **Layered** [CCC18, DG99, GL22a, HIT19, LLS19, LXYZ23, WZC19]. **Layered-Medium** [LXYZ23]. **Layers** [BK18, Dur16, Gar94, HMRR19, LM12, LS12b, Luo19, MT19b, RH06, TW96]. **Leading** [Che05, LLW19]. **Leaf** [KTB14]. **Lean** [LB12]. **Leapfrog** [Tie18]. **Learned** [HLP21]. **Learning** [ACD23, ASR+23, ALM22, AT23, BGM09, BCP15, CHWY23, De 12b, DHL+23, DTR21, EPSS22, GHK14, GRPK19, GDB+22, HRP20, HHZ22, HKLW19, HKLW21, HLX23, JML22, LL22, LCG21, LC23, NZGK21, PWM22, QCJX21, SM19, TP21, TPQD22, TWJ+23, UWWP23, WZB+23, WRB+15, XKKN22, YDK22, ZGK20, dBMZ11]. **Least** [AMMR10, AMM+10, AMM+11, ABM+13, AV14, AS22, ALMR17, AD15, AMT10, BLH02, BGM13, BT03c, BDKR21, BS99b, BW96, BKMM10, BLM03, BMMT14, CLMM00a, CLMM00b, CPV95, Car10, CHP20, COS21, CAS11, CC19, CP17, DDF+21b, DMMO04, DMMO05, DG98, DP20, DL23, DMM20, DSS20, EHS+07, FMM98, FGHO97, FS11, FNB06, GW17, GI17, GKK15, GNYZ18, HN22, HLMM06, HLM+09, HP21, Hok17, HM20b, HY10, HY14, HJLZ18, JR19, KR18, KMS15,

[KHU96, RMB00, TW95]. **MCMC** [Bar12a, BH20, FL18, MWBG12, PMSG14]. **MCMC-Based** [Bar12a]. **McMillan** [Hok20]. **MD** [ZLBC03]. **MD-DCT-II** [ZLBC03]. **MD-DCT-IV** [ZLBC03]. **MD-DCT-IV/MD-DST-IV** [ZLBC03]. **MD-DST-IV** [ZLBC03]. **MD-DWT** [ZLBC03]. **Mean** [And17, Bru18, CS94, Don06, GDLS14, Hof05, KS17, KS15b, KKK18, LL22, LTT16, MT97b, Ren15, RW06, Tim19, VP14]. **Mean-Field** [KS17, LL22, LTT16]. **Mean-Square** [MT97b, RW06]. **Means** [AAB+15b, ABCP08, XCLQ20, ZWG21]. **Measure** [BGMW17, SG04]. **Measure-Theoretic** [BGMW17]. **Measurement** [CAB04]. **Measurements** [GP16, HTH+16, KBV09, MS03, PDTVM08, RKvdDA14, vdDA12]. **Measures** [AOS20, BJW18a, Cao07, KTSB19, LCN14, PSSW15, RGOY10, SW22b, WK06]. **Measuring** [Hua05, Kaw15]. **Mechanical** [AL99b, BPT19, CSS10, HW09, RN14]. **Mechanics** [BTB05, BDPR22, ES17, ES00, GRPG01, Lee13a]. **Mechanism** [LL02]. **Mechanisms** [HS16]. **Media** [AE08, ABBM98a, ABBM98b, AB17, AM19, AD18b, AFRV19, AGPR19, BL23b, BGS09, BC09b, BEM17, BOKCW20, BHR23, BKBT18, CLDS19, CHW17b, CDF18b, CCC18, CDB13, CCH15, DL17, DLM16, FHR14, GM17, GYZ11, GJP+14, GL22a, GY17, GW04b, HMRR19, HIT19, HRvdZ22, HY14, HSSZ09, KK02b, Kon21, KWD22, LVWW03, LE10, LOL13, LY98, LLZ15, LZ04, LCK21, MJR05, PS10a, RJLW20, Slo02, TTSM08, WLE+00, WZET13, WZC19, WPT17, YYS16, ZT17, YGCP96]. **Medial** [JED10]. **Median** [CCS97, GL22c, Str93]. **Medical** [HDB08]. **Medium** [AHR12, BYZ19, CZ22, CK07, DBC13, LHL11, LLS19, LXYZ23, LRGO17, SCC17]. **Meets** [MZWG16, YZL20]. **MEG** [HCHS13]. **Melnikov** [XYZ05]. **Melted** [AHT17]. **Membrane** [AB21, CS18b, DZ08, RR98]. **Memory** [AKK14, AAB+16, ABL+20b, BBSV10, BDD+97, BT03c, BtVÇG+10, BFJ00, BGR16, BLNZ95, ÇKAA22, DJ07, Gon15, GKK10, GKN18, HKR02, HWD02, JWC21, KRDL18, LM99, LWZ13, LFLS08, MGDB19, McL12, OAA20, PF94, PR96, Sta07, SM07, Sun96, SH20, Til15, TD99, TTMA22, VMV15, XXdH+17, ZV05, NP93a]. **Memory-Aware** [AAB+16]. **Memory-Efficient** [GKN18, KRDL18]. **Merge** [Oli01]. **Merging** [GL22b, GHS+15, GKN18, Ros97]. **Merit** [ZSPL21]. **MESFET** [BI09]. **Mesh** [AHK+17, AFMP15, AKM+13, ADM+15, BB17, BLH02, BBSW94, BGGM22, Ber98b, BVW03, BHR96, BW09, BWG11, BH17, CCPS20, CHR99, CHR02, CPB13, CDK19, Che94, CWL+14, CC06, CC09, CC12b, yCWHJ12, CLK18, CRR18, DPF15, DDGS16, DLTZ05, DLTZ06, DMRR19, DKS21b, EHLW20, FK00a, FR10, FCC10, FJP99, GVP06, GT98, GW20, GHTW00, GMT98, HHM08, HKA+21, HO15, HR07, HB97, HR99c, Hua05, HA08, IS17, JTZ08, JP97, Knu01, LMKG16, LPR98, LY20, LC05a, LC08, LCL18, MMRN15, MN07, MNRI19, MH17, MCB18, MP08, MYZ21, MGH21, MM07, Ols07, PWF18, PP05, Pol16, RL17, RH06, RWX07, SR18, SKF18, SL09a, SRI+18, SMR01, Tra95, VGOR20, WC00, WH15, WP19, WCHZ14, XOMN10, YHQ12, ZJC12, ZAD+16, ZHQ20, ZWP21, ZSD+10, Zie12, de 99, CC11]. **Mesh-Adaptive** [MH17]. **Mesh-Free** [yCWHJ12, DKS21b, SKF18]. **Mesh-Independent** [BVW03]. **Mesh-to-Mesh** [CRR18]. **Meshes** [AJ22a, AKS05, AD18b, AMP00, BMNV20, BMNV21, BB17, BGPS21, BBD16, BKS13, BH16, Cai95, CQ22, CH09a, CDG17, CGZ99, CHW17a, CHW20, CFJT18, CKRS07,

DKK+19, DFJS19, DGK21, DBSR17, EFHL09, FCZE14, FCM12, GW15, GHH07, GK19, Gob08, GS19, HSMT20, HKB21, HH16, HG00, ISG15, JV96, JHJ12, KZP20, KWG+20, KZ16, KKR21, LNSZ06, LJ95, LTW18, MLL13, MB13, MTTV98, MKRK13, MV21, PABG11, RKLN07, RL18, SB10, SV08a, Sha99, SY08, SYY09, SV03, SC02, Tal15, TAHR15, TPT+16, VBT99, ZS03, ZHQ20, ZMS10, ZP18, ZP20, ZQ18, Ain96].
Meshfree
[BM17a, BWZ21, COR13, COS06, WJS23].
Meshing
[BH00a, BL04a, BSV19, HGPM14, VO19].
Meshless
[FDS13, Lin16, SK19, SL22, TPB17].
Mesoscale [BRK16, RG09, YC14].
Message [BS98]. **Meta** [TCCK18].
Meta-materials [TCCK18]. **Metabolic** [LNA+11]. **Metallic** [PS10a, ZMqCS21].
Metamaterials [CCC18, HLY13].
Metastable [Kue12]. **Method**
[AB17, AdS22, AM19, AG21, ACY+20, ABMR11, AG17b, AG17a, AG18, AS22, AD18a, AD19, AHN+20, AFF+15, APSG16, ALMR17, ABN21, AA13, Ama98, ALJ99, AF11, ACCO00, AAO23, And17, AKBM21, ABPW21, ABMP22, AF15, AHDK14, AP12, ABCP08, AH04, AH06, AW11, AHH12, AHR12, AGHJ23, AP99, ACCP13, BA05, BS08, BN23, BMNV21, BCR03, BBP21, BS05a, BGL06a, BW18, BW21, BMR10, BLMR02, BT03b, BO07, BHV05, BJ01, BS05c, BLS09, BDZ13, BMTZ13, BS18a, BL23a, BGOD08, BV03, BG10, BSHL14, BDGK18, BB10, Bar99, Bar05, BOF16, BRT07, BBC+21a, BC06, BK08, BG98, BM01a, BEEM18, BSS09, BL04b, BMDO16, BPT+14, BM95a, BMT96, BCT00, BH12, BP13a, BLS14, BPS13a, BM01b, BHK14, BV20, Bet08, BK04, BLP14, BK00a, BFN17, Bjø95, BT97, BCSS14]. **Method**
[Bla03, BI09, BLGL11, BGH+03, BCCK16, BU15, BBD16, BBB+11, BCP15, BPR16, BB08b, BB03, BT20a, BER17, BBMR03, BS96b, BCL99, BIA05, BTT13, Bru18, BH23, BOPGF06, BTGH12, BDS20, BSS21, BWZ21, BCM15b, BCDE21, BG13, BG04, BORTP19, BFSN08, CG18, CC16, CW07, CL10, CLW13, CFY18, CL18a, CL18b, CDK21, CQ22, CWY23, CCJ21, CGL+13, CH09a, CKOR16, CB98, CG99, CHR02, CP04, CGO22, CGL01, CCC17, CV15, CKQ14, CCS97, CCS98, CDH98, CGM99, CP13, COS21, CFGLT22, CL03, CDF18b, CWZ07, CCCZ10, CM15, CHX15, CJY16, CCC18, CKXZ18, CMZ19, CZ22, CL18c, CVK13, CPS11, CCA20, CCFG23, Cho01, Cho09, CEP20, Cho05, CILZ15, CIZ18, CHZ21, CDB13, CK07, CJK10, CBK18, CDG+09, CS16, CGM00b, CHM02, CP95, CBF17, CMSS06, Cor01, CVE13, CH11, CPD17, CDN16]. **Method**
[CDZ22, CKRS07, CFM98, DBC13, DY06, DM13a, DLZZ17, DEN21, DK10, DFG15, DB98, De 12b, Ded10, DJT08, DLY16, DT95, Den97a, DLM16, DYZC22, DT00, DFJS19, DGK+16, DMRR19, DFL20, Don06, DFW21, DFW22, DG16, DMM19, DHE13, DR13, DZ08, Du11, DW15b, DS16, DL20b, DTYY18, DMZ21, DCP11, DGL+12, DGRZ15, DK03, DLP+21, DF21, EPR10, EKSW15, Egg18, EAS08, EAOS21, EEO01, EPE05, ELW20, EKSS16, EVLW17, EMNS20, ES17, EP06, EIL+09, FKMR19, FGMP13, FGMP14a, FGMP14b, Fai03, FO08, Fer98, FDS13, FCZE14, For06, FW97, FÖ21, FN94, FL08, Fro12, FM07, FJP+11, FKW13, FL19, FK18, FR19, GJ17, GHHH17, GSO17, GJLX16, GV07a, GYZ11, GJP+14, GHMY18, GL22b, GL22a, GH13, GKV00, Gar05, GBS+22, GH02, GBCT10, GN14, GvdV17, GW20, GJ05, GLT18, Gia18, GKNW18, GM14a, GR02]. **Method**
[GN19, GK19, Giu22, Giv12, GMP19, GLQ18, GSR19, GMS21, GY99, GMV99, GY02, GRMS09, GXY15, GC19b, GCN21, GMO14, GOS12a, GLL21, GM19a, GH99,

GKT09, GJZ18, GS00, GS02a, GS02b, GOS03, GST23, GO09, GHKS14, GV09, GXZ21, GS21, GN22a, GN22b, Gug16, GC97, GX16b, GC16b, GC17b, GY17, GLW18, GSV20b, GSV21, GN07, HM05, HHM07, HRT10, HG98, HJN17, HQR19, HSK19, HP14, HM98, HN20, HW14a, HR07, Haz08a, Haz08b, HLLM15, HZXC16, HR99a, HRT03, HIT19, HKR16, HLW00, HBL05, HRT13, Hen05a, Hes98, HSZ12, HP94, HC95, HL10, Hoc01, HY08, HXX18, HJJ22, HV95, HR99b, HQH$^+$16, HB97, HY10, HS99c, HTB$^+$05, HY14, HJX15, HLZ19, HC20a, HHSY22, HJZ23, HS94, HJMS07, HXB13, HLY13, HYC15, HLM16, HC20b, HJX23, HDOS23, HMM$^+$21, IT09a]. **Method** [IK10, In99, Jac03, Jah10, Jam98, JP16, JMM10, JKM14, JMR17, Jar19, JW08, JN10, JZX$^+$21, JLYZ23, JED10, JWH08, JLXZ21, JK05, JG02, JL05b, JvGVS13, JP01, JK00, KLV$^+$16, KM11, KH14, KFR21, KR17, KNN12, Kan03a, KMT98, KV05, KRR23, KP06a, KP11, KO17, KP12b, KS19, Kla99, KW00, KL13a, KLZ22, KLY05, KLY07, KS17, KP10, KR99, Kny01, KM16, KMER22, KS13, Kol99, KC16, KH18, KWG$^+$20, KL13b, KWD22, KLZ$^+$06, Kra09, KP05, KP06b, KMR19, KO13, KL11, LW12a, LHL12, LP11, LP13, LZG20, Lan10, LSV17, LMRS15, LCG21, Lar99, LSH17, LLP98, LMR98, LL02, Lay03, Lay06, Le 09, LS13a, LZ17a, LG97, LL03a, Lee10a, Lee13a, Lee14, LE17, LPMR19, Leh15, LJ19, LCD14, LQH21, LZ01, LZ02, LLZ08, LLZ09, Li10, LL11, LX14, LLX15]. **Method** [LJ17, LWYxY18, LNZ19a, LNZ19b, LST20, LY20, LXZ20, LZ20, LM21, LSYY21, LLJF21, LN03, LP04, LY98, LZ13b, LC05a, LC08, LZK17, LJL98, LXK08, LS09, LX16a, LYLC17, LTW18, LGW19, LLS22c, LTG22, LY22, LH00, LD05, LFBO08, LN04, LPP09, LD03, LX16b, LLS19, LW20b, LGR20, LCY$^+$20, LCK21, LX16c, LS00, MR09, MN07, MNRI19, MR04, MRS04, MFY23, MCT$^+$05, MOSS17, MWBG12, MR07, MW03, MS06a, MP20b, MHR20, MR02, MRB23, MYN20, MST15, MBVO13, MG12, MO10, MTM08, Mir21, MZ94, MRKS21, MDA22, MT23, MB19, Moo00, MTV16, MS18a, MvdM21, MS20, Mor23, Mu97, MWY17, MZ19, MYZ21, MPS09, MSV00, MCV17, NN12, NN17, NAS13, NRMQ13, NT18, NCCR22, NS06, NM13, NW22, NMAB11, NvdP00, NNH99, NKM10, Nov23, Obe13, OS15, OX17, OQRY18, OTV19, OR18]. **Method** [OKGG$^+$23, PRS12, PPS22, PDTVM08, PR09, PS10a, PKD13, PW12, PHJ11, PBWB14, PZZB15, PL12, PNP13, PTT20a, Pen00, PP08a, PT01, PEdD12, Pla98, Pol16, PvdVvG17, PS10b, Por01, PD15, PoH09, PBtTB$^+$15, Pup99, PM15, QL06, QS05b, QS08b, QSM19, RO18, RRR03, RRR05, RG13, RZ03, Rei13, RMC12, Ren15, RU01, RNV19, RW01, RZTK$^+$15, RtTBAI21, RV10, Ros06b, RX18, RJLW20, Rüd94, RO12, RO15b, RS00, RSA05, Sai20, SB10, SB98, SS98, Sar98, SA99, Sch98, Sch94, SR16, Sch09, Sch13, SL09a, SY18, SM94, SBM07, SG95, Sim07, SS10b, SDNC20, Smi97, SK05, SC02, SSF16, SD21, SMR01, SAB14, Str00b, SL09b, SL22, SO09, SV01, TZ95, Tad20, TKCC13, TKW08, TLLK09, TY00, TXZZ22, TCZC19, TT06, TP09, TBKF14, TLH21, TMA18]. **Method** [TPB17, UWY$^+$15, VP10, VP14, VN03, VMM13, VV05, Van20, VS23, VBT99, VK15, VYX16, VSBH99, VGOR20, VXCB16, Vog16, WS95, WZ21a, WX99, WLE$^+$00, WLK06, WWY09, WMC11, WWY11, WB12, WY12, WHCX13, WSZ14, WDG$^+$18, WBTG18, WZC19, WMHK19, WWYX20, Wan22, War13, WMOZ22, Wei99, WWH17, WPT17, Whi15, WKM$^+$07, WY13, WGF08, WJS23, WS15, WFAP15, WSX17, WS18, WG19, WXS19, WQX20, WCG23, XEG06, XA99, Xie05, XKWY08, XXdH$^+$17, XQX15, XCS16, Xu94, Xu04, XW05, XS08, XOMN10, XXZ20, XZLX22,

Xue18, YCZ13, YDF97, YGB+05, YHQ12, Yan19, YZL20, YHFG22, Yan14, Yan18, YZ05, YD06, YHL19, YZZ19, YCN21, Yiu95, YSK19, YYWY18, YK03, ZEG19, ZK14b, ZZK15, ZMK17, ZLG98, ZN05, ZCK12, ZJC12, ZRTK12, ZWH+14, ZF14, ZJX14, ZTRK14, ZYSL15, ZDZ16, Zha18b, ZS18, ZXY21, ZWP21, dZHY23, ZCP06, ZWZ+13].
Method
[ZP18, ZJB20, ZP20, ZZY20, Zha22b, ZS23, ZLTA15, ZHL21, ZK96, ZFHS15, dVM08, iW11, vNLB04, vWBV09, ABS96, ABCM97, AM95, ADRS95, BS94, Bøe93, Cai93, CW93, CPS94, DS96, EW96, FCR93, HG96, Hes97, HL97, Lam97, Li94, LCW95, Liu93, PCDB96, She94, She95, SS95, SS93c, ST96, Tan93, TV93, Yav93, ZMC94, CD13, JK21].
Methodologies [IHTR12, KB08].
Methodology
[BC09a, CRS+18, DKW19, TCCK18].
Methods [AE08, ABBM98a, ARMNW10, AC08, ACVZ12, AVZ13, AGI10, ABLS05, AMN15, AL02, AC05, AMVR17, AV14, ABC+16, ABC+21, AGL10, AKA13b, ALl19, APvDG12, ABF96, ADP20, AW20, AH20, ABC00, AABM13, AM17, AAB+15b, AIL05, AW15, ACN19, AGH13, AM20, AHV18, AKM+14a, AHT17, AKT16, AGPR19, AS05, AA02, AKM14b, AL97, AL99b, AHH06, ALZ14, BS03, BS07, BKGV16, BQQ08, BMV18, BCAG22, BKM19, BR05a, BGLY05, BHN07, BN98a, BK16, BOB+19, BS05d, BYZ19, BBGS04, BN00, Bas98, BvG15, BBBG11, BN98b, BLB00, BzCS11, BGK15, BDK+20, BDO12, BBM11, BGGM22, BB15a, BB15b, BHT09, BS15a, BCC20, BS16b, BSS17, BBS19, BBS22, BM17b, BFK05, BG05a, BG05b, BCM05, BCM11, BKS16b, BR18, BF14, BZ15, BvW09, BLR14, BBM+15, BQR18, BBT19, BS99b, BT13, BJP+22].
Methods
[BKMM10, BDK12, BMV05, BGSV15, BMV11, BHM+21, BMMT14, BK20, BSU19, BD05, BRW10, BHR96, BOPGF06, BT16, BMV13, Bur13, Bur14, Bur23, BLL07, Buv21, CCF14, Cai95, CKS01, CL11, CPW15, CGL+12, CHAMR06, CSS10, CPH14, CDG17, CGQ10, CZK15a, CPV95, Car07, CV07, CKD13, CRS+18, COS06, Cas97, Cas02, CZ10, tVÇAU10, CFSZ08, CEHN08, CV12, CS96, CCSY98, CGZ99, CN99, CW17, CHW17a, CHW17b, CDC19, CC03, CFKM18, CGM+21, CGSR20, CHW20, CCL+20, Che98, CKY98, CD02, CHMR10, CMK11, CLL13, CBN02, CR21, CLK18, CKV99, CS14, CH08b, CK98, CS17, CG19, CBDW15, CHH10, CM99, CFM96, CCG14b, CGP19, CDW14a, CDW14b, CS10c, CK94, Cor98, CE16, CGF21, CC18, CSW14, DO11, Dar21, DP98, DMMO04, DMMO05, DG98, DL17, DHJW08, DFDM19, DLTZ05, DLTZ06].
Methods
[DRFNP07, DFN12, DB94, DP10, DPS18, DTM05, DKR12, DGGG09, DS14, DKK21, DKSW19, DMSC18, DGK21, DF99, DGR+17, Du16, DWQY19, DHZ+21, DCL+21, DKS21b, DK98, EKM94, EL20, EDGL12, EBR00, Elm98, Elm00, EF15, ES18a, ES19, EMM+99, Ema10, ELtHR00, EN09, EV13, EMT09, FTY15, FK00a, FGM08, FR15, FR23, FKTW10, FS02, FK00b, FRS19, FMS17, FDH+20, FMR06, FS12, FS13, FM99, FNNB05, FK21, Fu21, GMN02, GK12, GX16a, GZ16, GV19, GV20, GASSS98, GGL09, GK11a, Gas13, GSS12, GHK14, GK03, GHH07, GL08, GV12, GSV20a, GNS22, GG19b, GLQ16, GY05, GP18, GZW18, GJM94, GGKM07, GKS98, Gra14, GK05, Gri94, Gri95, GMM15, GSW13, GM23, GC97, GNZC17, GZT+19, GX20, GJ21, GSM20, GW04b, GM04, GVMM14, GP96, HKR02, HR05, HN19].
Methods
[Hag00, HHM17, HKF+13, HHE10, HW13, Han95, HH02, HN22, HMN+13, HW14b, HRD21, HNS08, HW21, HLP23, HKKR19, HKLW19, HHK19, HL20, HKLW21, HKK+22, HKL23, HJ98, HJ18c, HHR23,

HSF07, HT00, HLMM06, HLM+09, HMR09, HL98, HV96, HEGH14, HLP08, HCX22, HJS18, HS01a, HS18, HK95, HJL+19, HCW20, HWZ21, HKM97, HW09, HFL11, HGZ17, HJ19, HLL+22, Huc08, HiH18, HLM03, IM97, IM99, IT14, ISS19, JK11, JSPC97, Jay98, JVG12, JSCB20, JCdS21, JW05, JCL07, JLP18, JGZ06, JR96, JR98, JP11, JZ00, Kan03b, KH22, KMW15, KL15, KBK+08, KRW20, Ket08, KZK17, Kim05, KL06, Kim08, KZP20, KR21, KS20, Kla98a, KR06, KR12a, KLR14, KLR15, KLRU17, KVMK01, KCB17, KS15b, KW16, KT08, KSU14, KW18, KW10a, Kul12, KRGO19, Kus97, KGT07, LVWW03, LOSZ07].
Methods [LSTY21, LCBD07, LP96, LS95, LL97, LMPQ03, Lee10b, Lee13b, LN17, LPP19, LM20, LRV22, LST07, LG09, LHL11, LLLX16, LZ17b, LSC18, LLW19, LYZ20, LSY21, LRS02, LMT18, LL08, LSZ17, LBHH22, Log03a, Log03b, LNS15, LR20b, LSPRV21, LWSP22, LCR20, LCR22, Lui00, Lui01, LMMW04, LK98, Luo19, MMRN15, MM13, MV00, Man99, MS17, MMK23, Mar03, MMT15, MS04, MLL13, MC10, McL95, McL07, MRS14, MW01, Mic01, MT97b, MSS12, MS12, MO21, Mou20, MFPG18, MDC98, MZWG16, Mu20, MGH21, NKLW94, NX12, NAC+15, NNRW09, Ng00, NSJ03, NWY10, NWY11, NFFP18, NWW97, NN05, NLY23, O'L01, OSU10, ORST12, OS14, ØLW08, OS98, OSCE00, PWF18, PS02, PS18, PR01, PE00, PCFN16, Pav98, PZPR07, Paz20, PL06, PTSA23, PATF19, PSA99, PS19b, PWGW12, PST15, PC21].
Methods
[Pul08, QX08, QS18, QS05a, RHL+21, RSD+20, RKLN07, RX17, RR98, RG07, RW11, RG98, RGG06, RH09, RW06, RS13, Ros96, Ros05b, RS99, RWW14, RM08b, SSM16, SL10, Say15, SG11, SRS12, ST17b, Sei23, Ser06, SCTP04, Sha21b, She99, SY10b, SY12, SWX16, SW16, SBX+08, SW17, SM18, SV00, SS03, ST00, SO15, Son12, SH14, SSW98, Sta07, SM07, Ste01, Ste00, SS93b, Ste02, Str94, SSVW17, SH20, TT96a, TS11, TX17, TWYZ20, TK13, Tau96, TSK09, Tie18, TVA02, TLT12, Ton94, TW17, TS14, TPW09, TLE12, TP99, TV98b, UA07, VC00, VV05, Vas07, Vil14, VW94, VO96, VPP05, Wal99, Wal18, WCS00, WC03, WPL+13, WLE+00, WL08, WWY09, Wan12, WSA16, WRSZ18, WHL18, WP19, WCL+21, WJW21, WZ22, WG00, WMSG09, Wen10, WMBT19].
Methods
[WK03, Wu21, WZ21b, WX21, XSC21, XZB11, XH05, XT06, XSWG23, Yan94, YTLI11, YYS16, YBLH16, YZ07, YZ08, YJXZ22, YWL17, Yu01, YCS16, YB09, ZBFN17, ZKN21, Zam16, ZG23, ZK14a, ZCZK14, Zbi11, ZTBK18, Zha97, ZV05, ZCL+11, ZZWZ14, ZSB16, Zha20, ZWH21, Zha22a, ZMS10, ZK15, ZW94, ZF09, ZWG21, ZS02, Zin00, ZS04, vHBTC12, vdVY00, AP93, Atk94, Bia94, BR95, BHP94, Cai94, CSS93b, CW97, Dax93, DG95, Elt96, FS96, GPHHAPR18, HHRV93, HLS93, Lie93, LSM93, MMPR93, MP94, Pem93, PM95, Rán93, ST94, She97, Wei94, Zha94, vd97].
Metric [BPR16, BRR18]. **Metrics** [GKRB16, Knu01, UA04]. **Metropolis** [CKLL16, ST22b, Wal14]. **MG** [HJJ22]. **MG-FIM** [HJJ22]. **MGIC** [EERT23]. **MGM** [WJS23]. **MGRIT** [DKPS17, WZ19]. **MHD** [AB19, CST+13, CST16, LNZ19a, LNZ19b, PEC+14, PSC+16, Rav05, WGS17, WS20]. **Micro** [JS10, LLS13, LM08, LM12, VS23]. **Micro-Macro** [JS10, LLS13, LM08, LM12, VS23]. **Microchannel** [HKF+13]. **Microchannels** [VN03]. **Microflows** [CLQ12, HCW20]. **Microlocal** [LQ19]. **Micromagnetism** [Lab05]. **Microprocessors** [HML+04]. **Microscope** [WPL+13]. **Microscopy** [BC06, LFJS14]. **Microstructure** [Kup00, Li03, NWW97]. **Microwave** [WB08a]. **Midpoint** [AR99]. **Migration**

MEF09, NKTY08, NPS22, NS21, OS14, OPR23, PP12a, PW15, PWG16, PGW17, Peh20a, PNP13, PM16, PS11b, PN19, QS14, RKLM18, Rei18, RPM23, RPSS22, RDP08, RLM+00, SMZ18, Sai20, SSDN12, SBR06, SSM+20, SV23, SBHS19, Sha21a, SY10a, SXL+22, SZZ21, SSJB17, Sma01, ST23, SBMR18, Tad20, TLN14, TY00, Toi08, TGS08, VBA18, VP14, WW22, WFG+20, WiOH08, WG20, WH13, XBC96, XJBS12, XJS13, XL20, YY18, Yan21, YGS+21, ZBFN17, ZFLB15, ZHY21, ZWWZ21, ZZZ21, ZMD22, dZHY23, ZYLW16, Zim14, dSGK+15, ten95, CHKM13]. **Model-Based** [Fra98]. **Model-Free** [YGS+21]. **Modeling** [ASR+23, ASZ07, ACCP13, BPR04, BCT05, BKK18, BBH+16, BCG+10, BGL06b, CHL06, CGDD11, DKDH20, DCB22, GaP08, GV15, GRL10, GM11, HKA+21, HJ18b, HK03, HLY13, HLM16, JK10, KLT06, Kup00, LVWW03, Lay06, LCR+16, LOL13, LO14, Lem16, Lin06, LM14c, MH17, MJR05, MG23, NMWI11, NWW97, OPRB06, PSKG13, PQR20, RG13, Ren15, RG09, RK07, RBG23, San10, SDNL10, SPKB13, SOTB21, SCM10, TPT+16, Wal18, WKM+07, XMRI18, vdHCDD15, LP06]. **Modelling** [GMvdV18]. **Models** [AT20, AA00, AKA13b, AF11, ABCP08, BST08, BHN10, BCF13, BCJ+21, BBR04, BGSV15, BJ08, BMV13, BJW18b, CV07, tVÇAU10, CCC17, CNP12, CS18a, CAG+19, DSB99, DJP00, DBA19, EHL06, EMSW12, EAA21, FKQS17, FS05, FY14, GR04, GZYW18, GZW18, GZW20, GV16, Gri19, HAG17, HRP20, HPS06, HDB08, Hri03, Hri05, JlLGZ20, JSCB20, KGM+11, Kou09, KL11, LL02, Le 05, LRP07, LP08, LDS11, LZ16, LL20, LSPRV21, LNA+11, MMRN15, MKW23, MEHL16, MW08b, MW22, NGX14, NCT99, NMFP16, OKdSG17, OAA20, OPRB06, PGW17, Peh20b, QZT11, QSM19, RWKW14, RWWK15, RS13, RW97, RLC08, SBK18, SRS12, SHP07, SC03, SY14, SBX+08, STY21, UWWP23, WM05, WKM+07, YTT21, YDK22, ZZY20, WTS94]. **Moderate** [NN14]. **Modern** [DARG13, EMM+99, KHW+14, MRV06, RZTB22]. **Modes** [ARM23, Fli13, JvGVS13]. **Modifiable** [IS17]. **Modification** [MOKS12, Pet01, ST14a, ZH21]. **Modifications** [BEOR17]. **Modified** [ACVZ12, APS12, BS15a, BFK03, BIA05, BK20, CGL+13, CGO22, Dax03, EIL01, GL03, GM20, HJ18c, HLW00, HS17, LV10, LRT11, LXK08, MR02, MM95, MM98, NRSD18, Sch93, SH01, DFK23, WLZ18, ZQ17, Zyg11, Anj93, FGM95, LCW95, OS95]. **Modular** [LS16a, LCE22]. **Modular-Proximal** [LCE22]. **Modularity** [ZLWZ18]. **Modulated** [BLM22, CDM+13]. **Modulating** [ALLK15]. **Moduli** [HRV11]. **Modulus** [CCG14a]. **Modulus-Squared** [CCG14a]. **Molecular** [APvDG12, BZ10, BCR11, BTY08, GKM+17, GLT09, JlLGZ20, LR10, LLS22a, LCL18, NKTY08, OKF14, QZT11, QDKW18, RN14, SZS97, Ske09, VS23, YPN+01]. **Molecule** [Nak98]. **Molecules** [Kra08, MS04, VS17]. **MOLNs** [DTT+16]. **Moment** [BN98b, BLM03, CL10, DHP17, FDFW07, GLT18, GK19, KW10b, LZG20, LZ04, PKR+13, San10, TKCC13, ZBK18]. **Moment-Based** [BN98b, PKR+13]. **Moment-Equation** [LZ04]. **Moment-Matching** [GLT18]. **Moment-Parity** [BLM03]. **Moments** [BSMM16, ECH+23, GMV99]. **Momentum** [GMYL23, LW12a]. **Momentum-Preserving** [GMYL23]. **Monge** [BH23, BW09, DF10, DL19, Fro12, HCX22, NN19, PTvR+14, PBtTB+15]. **Monitor** [CHR99, HS17]. **Mono** [Lee10a]. **Mono-Energetic** [Lee10a]. **Monochromatic** [KR14]. **Monodomain** [CS18a, DKKP14]. **Monolithic** [ABC+16, ABC+21, AHH+23, BKKM22, HHK19, MKWG15, Wic17]. **Monomial**

KKF11, KC16, KWG+20, KK23, KT08, Kra12, LLP98, LLZ08, LSC18, LYLC21, LS23, LX16b, LW19b, MG07, MG09, MG11, MV94, MK08, MSS12, MTV16]. **Multilevel** [NT18, OVV17, OKLS15, Par17, PS08, PS11a, PC07, RNV19, Rüd94, SZ99, Saa05, SM19, SCTP04, SBX+08, SW03, SRW+18, SLC01, TX17, TTY16, WLPU20, WC00, WiOH08, WJS23, WP20, YD06, ZT17, Zha94, EG93, AM17, LB11]. **Multilinear** [SL10]. **Multimarginal** [FSV22, HCL23, KLLY20]. **Multimedium** [WLK06]. **Multimodal** [HW03]. **MultiModes** [YHFG22]. **Multimoment** [BBT19]. **Multinumerics** [TW13b]. **Multiparameter** [BC99, YBM+18, PWM22]. **Multipass** [MS98]. **Multipatch** [ABPW21]. **Multiphase** [BHN10, BEM17, BOKCW20, LVWW03, MBGV16, RHSK11, RJLW20, SU15, WZET13, Whi15]. **Multiphysics** [AHN+20, BS16a, LCR+16, SM17, WPGR13]. **Multiple** [ARMNW10, AEFM17, ALM19, AHDK14, ABB+16, BA05, BNP15, BGH19, BDvdG05, BER17, BWS20, BS96b, BD99a, CGL+13, CGR14, CN99, CS18b, CC97, CMM95, CDZ22, DFJS19, EPE05, GYZ11, GML+21, HR05, HHR23, JML22, KKN18, KMR01, LL19, Lee10b, LPMR19, LZ01, LZ02, LX14, LXdH20, Liv15, LN04, MY20, MN11, MY18, NKGG21, Nov15, PFS21, PLT+21, RSSM18, Rei21, RH06, RNR16, RSS20, SG95, SRI+18, SO10, Str93, Tap22, UA04, WS07, WHL18, WO98, WWJ12, XYZ12, XYZ22, YTD15, YZ05, YC99, ZGA10, CW97, Heg95]. **Multiple-Coarsening** [Lee10b]. **Multiple-Grid** [MY18]. **Multiple-Input** [JML22]. **Multiple-Network** [LPMR19, PLT+21]. **Multiplication** [AKA13b, AA14, ABB+16, BSH16, BG12, DO15, DKGS15, EBSS+11, FHL+23, GHS+15, GKN18, HJ18a, KHW+14, Mat95, MDM15, SLvdGK14, SvdGP16, Van20, VR14, WH09, WP20, YB09]. **Multiplications** [FHH+18, LSY21, LXG+21, YL93]. **Multiplicative** [Cai94, CGG07, GBM22, HLZ13, KS23, SCGT07, Vil14, WY13, dlRRG19]. **Multiplier** [BLS14, CS23, IT09b, KL15, LC21, LNS15]. **Multipliers** [CG18, KMW99, KW00, WY12, YYWY18]. **Multiplies** [UA04]. **Multiply** [BHL+20, BC13, DK11, HQR19, HT09, KAU18, NAS13, RD21, Goe97]. **Multiply-Add** [BHL+20, Goe97]. **Multiply-Connected** [RD21]. **Multipoint** [SBS98]. **Multipole** [BCR11, BT03b, BPT+14, Ber95a, CDGS05, CD13, CCFG23, CJ05b, CPD17, ED95, EG01, GR02, GSS00, GD03, GrM10, HA17, HEGH14, HR98b, KLZ+06, LCD14, MG07, MG09, MG11, MR07, NKLW94, OC03, OC05, PD15, RRR05, Sch94, WZC19, WMOZ22, EB96]. **Multipole-Accelerated** [NKLW94]. **Multipole-Based** [GSS00]. **Multiprecision** [CVW06]. **Multipreconditioned** [BKL+17, Spi16]. **Multiprocessors** [Sun96, NP93a]. **Multiprojection** [MFPG18]. **Multiquadric** [DD12, KW11]. **Multiquadrics** [CBN02]. **Multirate** [AdS22, CR21, FR23, LW22a, LCR20, LCR22, MB19, Pul08, RSS20, SRS19]. **Multiresolution** [ATV07, ACD95, ADH99, BW00, BGGM22, BC02, BH97, BT01, DDGS16, DMD+12, GvR22, GC17b, HBB+16, HC20b, HLL+22, JTZ08, KHKL16, LS00, NW22, WB00, Liu93, PR22]. **Multiresolution-Based** [BGGM22]. **Multirevolution** [LV20, Vil14]. **Multirow** [KMSM14]. **Multiscale** [AE08, ASR+23, ADP20, AD07, AKT16, BZ97, CSS10, CMZ19, CLLW20, CD01, CE16, DP10, DCSO10, DMD+12, FR15, Jin99, JK05, KKT19, KY05, Kra09, LM00,

LWW22, Liv08, MPRW98, MKW23, Peh20b, PC98, QFW22, Rah00, RZ03, RSW10, RC23, Rub12, UWWP23, WLZ18, XZ10, YYWY18, ZB12, vGEV07]. **Operator-Based** [RSW10]. **Operator-Coarsening** [FRS19]. **Operator-Splitting** [GLQ16, GLQ18, LTG22]. **Operators** [ARM+19, AWW19, AP19, BS96a, BT04, Beu05, BC02, BZ15, CW22, CDY07a, CJ05b, CJ95, DZ15, Doh07, Elb06, FF15, Fu21, GGS19, HDZ16, JML22, KH22, KX96, LT21, LW97, MC10, NN18, ODN17, PTT20b, PS19b, SRS12, SY08, DFK23, TW03, TCDS21, TBH23, VR14, WH15, Win10, XL18, YR98, ZN16, Nat95, Nat97]. **Optical** [BIK02, CILZ15, HPS08, KdS05, LC05b, OKdSG17, RBH06, RtTBAI21, SKMF15, YSS07, ZMqCS21, dSK11]. **Optically** [Lee10a]. **Optics** [Du11, GRPG01, QL06]. **Optimal** [AGR+20a, AMVR17, AA00, AAD11, APSG14, APSG16, AS18, AH20, AFS19, AFOQ19, AV21, AS93, ACLZ15, AC22, ALM22, AHHR16, BKGV16, BBMZ20, BGL06a, BW20, BBH18, BHvST14, BH11, BFK05, BG05b, BK00b, BIK02, BvW09, BBO09, BCK+18, CGR14, CF07, CWL+14, CK98, CCO11, CBDW15, CS10c, DHS22, Ded10, DZ12, DP07, DP19, EÜ09, ES18b, FB21, FF15, FSV22, FD03, GS18, GXY15, dMGF17, GPS95, GM11, HRT10, HSB12, HRP20, HN06, HAS20, HM20b, HR99b, HCX22, HCL23, HLX23, IR98, Jac03, JWC21, KB08, KKZ17, KLS+15, KLLY20, Kla98c, Kny01, KALO07, KBD21, KL12, KT17, LPSB17, LSTY21, LdGK20, LLX15, LYLC21, MH17, MRS04, Mar01, MNS07, MP20a, MSS10, MCB18, MK08, MZDK22, MRW15, MPV21, MG23, MGH21, NRMQ13, Not00b, O'L01, OW02, OSS22]. **Optimal** [PWG16, PG22, PST15, PBtTB+15, Rav05, RDW10, RW11, RWA95, Rei20, RW13, RCC18, RCLO18, ST03, SStM23, SX16b, SP16, SSC+15, SCW+17, Sta07, SM07, SM15, SBMR18, SW09, SW10a, SJD14, TO15, TWK18, TUV10, WZB+23, Wan07a, WG00, WG12, WL20, WCG23, Yam02, Yiu95, ZWH+14, ZFwCW15, BDHS10, Cai93, DGHL12, Lin16]. **Optimal-Transport-Based** [MCB18]. **Optimality** [CCS97, Don06, GKS20, NM13]. **Optimally** [BS18a, BSU19]. **Optimization** [AEMM16, AHT12, AOR18, ABIN20, ALM22, ADLW19, BCS07, BCMW20, BM18, BWB19, BPS13b, BPS13a, BGPS21, BLMS21, BG05a, BG05b, BF22a, BLVZ23, BH08, BFP22, BFR23, BPT19, BGR10, BHM+21, BK20, BMPS22, BDS20, BSS21, BLNZ95, CA16, CC12a, CJY16, CKXZ18, CDM+13, CSW10, DP17, De 12a, DH16, DF10, DTR21, DKK+19, DMN08, Doh07, DFJS19, DS17, DGSW10, DW15a, DSL21, EKM94, EE14, EN16, EFOS20a, EFOS20b, EHLW20, FM16, FGH+08, GLL+15, GLxY19, GHHK15, GU17, GW20, GJ05, GHKF22, GLZ22, GM19a, GPZ17, GHN01, GJM94, GV07b, GKL08, GHKS14, HOY03, HM10a, HT13b, HSU21, HNU23, HS06b, Haz08a, Haz08b, HJ18b, HK03, HL19, HRS12, HKT01, HJL+19, HCL23, HGZ17, HMMS22, ISW18, KFR21, KSD10, KLST06, KS07, KLT16, KM16, KHRvBW13, KHRvBW14, KRT21, KSV16, KBP17]. **Optimization** [LCH09, LU17, LS13a, LN05, LZ23, wLxY00, LWZ13, LGC+23, LGH+13, LNA+11, MPRS23, NWW97, NRO22, NLY23, PWF18, PFS21, PR09, Par17, PNP13, PSLG14, PDC99, PMSB12, PBC05, PC07, QGVW17, RP01, RL17, RG07, RDW10, Rei21, SWW08, SWB16, SSW12, SV23, SPS18, SXXN22, SW17, SSJB17, SU15, Ste16, SB15, Toi96, TTY16, VHSP20, VMV15, VLM22, WB08a, WRB+15, WYGZ10, WRS08, WH09, YHC16, YZZ19, ZKN20, ZZWZ14, ZDZ16, Car93, DLG97]. **Optimization-Based** [ADLW19, BCMW20, BPS13a, KBP17, Rei21, SV23, YZZ19, HMMS22, ZDZ16].

GPHHAPR18, GM19a, Gra14, GS00, GSS22, HLNS19, HVW95, HV95, HJX23, JWC21, KK18, Kye12, LZ21a, LSTY21, LV13, LLW16, LSC18, LYZ20, LSZ11, LPP09, LW19b, MNS07, MSW05, MPRW98, MSS10, Moo00, NS19, PS11a, Pic03, PMSB12, QX08, RHL+21, SV08a, Slo02, Tou22, VV05, WG12, WvdZSvB18, Yu01, ZS02, ZFHS15, Bøe93, Cai94]. **Parabolic-Elliptic** [PS11a]. **Parabolic-Parabolic** [PS11a]. **Paraboloid** [ECH+23]. **Parachute** [KP06a]. **Paradigm** [BH00a, BL04a, DKK+19]. **PARAEXP** [GG13]. **PARAFAC** [SMYS21, KU18]. **Paragon** [Rot96]. **Parallel** [ABM+13, AKK14, AAB+16, ABB22, ADLR15, AAII98, ACD18, ABI00, BMP14, BMNV20, BMNV21, BDD+97, BDHS10, BDS98, BH00a, BL04a, BO07, BMaK19, BS98, Bar00, BPT+14, BPSV15, BSV19, BYL13, BDvdG05, BFG+16, BG05a, BG05b, BMF12, BK17, BBD18, BtVÇG+10, BTB05, BGMR01, BBR08, BG12, BRK16, BWG11, BHK20, CGK+98, CR16, COS06, CV15, CGG+14, CC12a, CC06, Cho00, CP15a, CMO10, CHO12, CG93, CP95, CKLN98, CML+18a, CML+18b, CDFQ11, CFM98, DDF+21b, DGHL12, DKKP14, DYZC22, DBA19, DGR+17, DG99, DGvdZ18, Ema10, EKSS16, Ett16, FKMR19, FFK+14, FNL+19, Fie98, Fis19, FW97, FJP99, FR19, GV07a, GG13, GN16, GHRR19, GLRS23, GKV00, GKM+17, GCB15, GM21, GAMV13, GG05, GM19a, GKRB16, GKS98, GKK10, Gri95, GKL08, GDL07, GR05b, GH97, HKR02, HHLZ21, HKA+21, HO15]. **Parallel** [HW14a, HKO99, HRT03, HIT19, HKR16, HRR23, HJ98, HW94, HL95, HJS99, HK00, HS06c, HWD02, Hen06, HSF07, HP94, Hig95, HLNS19, HKB21, HH16, HVW95, HKT01, HDF+19, HYW20, HGRW16, HPS22, IBM01, INS05, JFG10, JFSO23, JHJ12, JCL07, JP97, KVV23, KU18, KAU18, KR06, KLRU17, KMER22, KR22, KV12b, KWG+20, KRDL18, KHKL16, KZ16, KM19, KRS21, KW10a, LCBD07, LMR98, LHN96, LZ99b, LSN17, LYL+11, LC05a, LC08, LXdH16, LTzT21, LW22b, LT14, LKvBW10, LD11, Luu15, MKSG10, MMM+94, MXYB16, Mat95, MSM14, MSB+15, MZW09, MvdM21, MFPG18, NS19, NvdP00, Nov23, Oet99, OW98, OKD16, OKF14, PS11a, Pek12, Pel93, PXYY16, Pip13, PP13, PELY13, PDMY14, PBC05, PC07, QQSvdG01, RT10, RWA95, RT99, RGG15, RD21, SB10, SvdGP16, SM17, SR16]. **Parallel** [SWT00, SRT23, ST00, SC98, SO97, Sun96, SSB08, Ten98, TD99, TTMA22, TAHR15, UA04, UA07, WZ03, WHCX13, WiOH08, WMOZ22, WC17, Wu18, WL20, WZ21b, XB16, XA99, Xie05, XXZ20, YCZ13, Yan19, YSZ14, ZSD+10, ZK96, AS93, AM95, BDP96, DS93, EG93, Göt94, JP93, Lan93, MH95, OA93, PS93, RG94, Smi93, TW93, Wat94, AA14]. **Parallel-In-Space-Time** [DGvdZ18]. **Parallel-In-Time** [HDF+19, KM19, WL20, GLRS23, GM19a, HW14a, KRS21, WZ21b, LW22b]. **Parallelism** [ABB+16, BDO12, CBHB19, Min02, PQOB14, RNR16, YS16]. **Parallelizable** [GLxY19, GHKL22, HLTT97, NT18]. **Parallelization** [BG17a, GLSTV16, PTSA23, Til15, WZSL12]. **Parallelizing** [HvdG96]. **Parameter** [AHDK14, BGL06a, BP97a, BCJ+21, BFN17, BU15, BF22a, BM00, CHL20, CMK11, CBS00, CBG+19, CJK10, Fu21, FR19, GJ05, GN19, GG18, GJM94, GGKM07, GCB04, GM00a, GK13, HR96, HCRT13, HC21, Isa20, IJT11, JKLZ18, JSZ22, KZ00, KPS19a, KP21, LS16a, LMW17, LP22, LM17, LWG10, MS13, MG23, MDG+18, PLT+21, Reg96, RW13, RTH17, SPKB13, SB05, TP18, TUV10, WE13, Wei99, Wel17, Yan18, YR12, ZN16, ZTM+16, Liu93]. **Parameter-Choice** [CMK11].

BV20, BBS22, BYL13, BF95, BFK03, BF06, BCK21, BDF08, BB05, BKFG19, BF14, BH22, BKMRB21, BH08, BvW09, BLR14, BBM+15, BQR18, BS99b, BT13, Bou01, BtVÇG+10, BCL99, BM95b, BDK12, BL08b, BMM+10, BMMT14, BWZ10, BH07, BDR18, BP06, BHR96, BKS98]. **Problems** [BCdF+20, BTGH12, BTGMS13, BSS21, Bur13, Bur14, BEH+19, BCDE21, BG13, BG04, BGMW17, BJW18b, BJW18a, Cab94, CW07, CL11, CLL20, CPS20, CSS09, CGKM16, CDG17, CPV95, CEJ+10, CPB13, CGR14, CHP20, Cas05, CCER12, CT03, CW17, CGG+14, CKY98, CD02, CJY16, CYDK21, CJ05a, CKV99, CWY17, CG10, CK98, CN10, CCO11, CEO11, CS17, CBK18, CHH10, CDG+09, CS12, CGX21, CM99, CGM00b, CDGT01, CDN16, CP17, CDFQ11, DMS01, DN13, DFG15, DD00, Ded10, DTR21, Der08, DH95, DF20, DLTZ06, DYZC22, DQQ13, DPW19, DEV16, DMRR19, DKO12, DP19, DFL20, DMM20, DKZ09, DLZ10, DJLZ96, DK03, EKM94, ES19, EOV05, EN08, EGKS94, EPSU09, EK14, EK10, EHW00, EMT09, EHS19, EPV94, FGMP13, FGMP14a, FGMP14b, Fai03, FMOS17, rFS12, FH06, FLU+20, FTY15, FL97, FMM98, FDS13]. **Problems** [FWA+11, FS02, FK00b, FS11, For06, FSV22, FL19, GJ17, GJSZ13, GG13, GN16, GX16a, GKRNS19, GLxY19, Gar05, GU17, GBS+22, GH02, GK03, GK18, GvdV17, Gee19, GMvdV19, GG19a, GHH07, GV12, Gia18, GGK+04a, GDC+23, GY02, GPHHAPR18, GHN01, GH99, GT94, GI99, GHR12, GHR13, GMS18, GM00a, GLOR16, GV09, Gu15, GN23, GSM20, GSV20b, GVMM14, GPT22, HA01, HHM17, HR96, HvBW23, HN22, HSB12, HSWW08, HMN+13, HS06b, HW21, HN06, HJ18b, HHK19, HKM20, HM14, HAS20, HP21, HTW+12, HL10, HLT16, HLNS19, Hof05, HXX18, HR99b, HS01a, HKD13, HY10, HZ22, HCL23, HJZ23, HR99c, HHL15, HLM16, HDOS23, HMW07, HSW08, HMCK04, HV07, HLM03, IM97, JKM14, JL19, JZX+21, JCdS21, JY21, JR98, Kal20, KKV13, KLV+16, KV20a, KVV23, KB08]. **Problems** [KR14, KCL16, KLS+15, KS94, KPT16, KMA+12, KZ00, KY19b, KMW99, KO99, KGR16, Kla98b, Kla98c, Kna98, KLT16, KV12b, KL12, KC16, KH18, KG14, Kra08, KT08, KLL+16, Kra09, KSU14, Krz01, KBP17, KRS21, KEC23, Kus97, KGT07, LP11, LP13, LQ19, LV07, Lan19, Lan10, LZ21a, Lan94, LQR12, Lay96, LP96, LMR98, LS13a, LV10, LG97, Lee13b, LLW16, LR20a, LW22a, LM17, LN05, LI01, LWCL03, LLZ08, LM14a, LQX14, LXV+16, LZ17b, LSY19, LZ21b, LLSX21, LLCW22, LWG10, LMT18, LO03, LSV13, LW03, LSS03, LLZ15, LSZ17, LY22, LGC+23, LT14, LW04, LWK+16, LWSP22, LXYZ23, LGR20, LvL21, LK98, LCY+20, MPS18, MS07b, MM13, MABO07, MS07d, MG11, MRFV18, Mar01, MV94, MWBG12, MSS10, MS06a, MZDK22, MG12, MMS05, MR18, MMN00, MMV98, Mu99, Mu20]. **Problems** [MHS98, NHSS13, NN03, NRMQ13, NWY10, NvdP00, Nor07, NLY23, Obe13, OB08, Ols07, OW98, OSS22, PL03, PFS21, PE00, PKR+13, Par17, PKD13, Pat97, PW12, Pav98, PS13, Peh20a, PP08a, PP05, PSA99, PMSG14, PTT20b, Pet05, Pic03, Pol16, PS10b, PST15, PMSB12, PRSS11, PV94, PV95, PBC05, QX08, QZZ14, RP01, RKLM18, RHL+21, RW21, Reg96, RW07, RW13, RPM23, RNV17, RS03, RL13, RS02, RKvdDA14, RSG17, RSSZ08, RCC18, SP03, SG11, Sch02, SSW18, Sch19, SBS98, ST17b, Sco17, ST19, SIS96, SY10b, SW16, Slo02, SK05, SSC+15, SCW+17, Sta97, Sta00, SBMR18, SV21, TT96a, TO15, TPQD22, TUV10, TW17, Tou22, TPB17, Tsy99, UEE12, UG19, VMM13, VC00, VSBH99, VW94, VPP05, Wal99, WL04, WR13, WZ18, WX99]. **Problems** [Wan04, WS05, Wan12, WH15, WBS+17, WBTG18, WWYX20, WZ22,

Scheduling [AKK18, DGR+17, MDM15]. **Scheme** [AIP19, AH18, AT17, ALMT20, ALRT17, AT19, AD18b, ANP00, Aru12, AR99, ABB+04, BBMZ20, BM11, BBK21, BCT05, BSMM16, BCI22, BM08, BCF12, BF06, BKFG19, BFS16, BHK12, CCFP12, CCJ21, CFR05, CK15, CH94, CJ05a, yCWHJ12, CFJT18, CG96, CPR11, DW97a, DW98, DY06, DFS17, Dax03, DKKP14, DLV17, DGLW16, DY23, DB07, FKQS17, FF05, FCM12, GCD21, GW15, GLSTV16, GLL01, GB06b, GG05, GX16b, GMYL23, HHZ22, HCRT13, HJP04, HRS12, HWZ19, HLW13, JNZ17, JS10, KK98, KSMM18, Kon21, KQW04, KTSB19, Kup98, Kup01, KL00a, KPW17, KLLM22, LFH19, LZG20, Lau22, LNP+07, LE17, LSW17, LM08, LW22a, LPR02, lLTZ21, LSV13, LCJ+20, LW20a, Liu20, LWW22, LXL11, LW19b, MRI21, MABO07, MM19, MS06b, MW15, MKB22, MEF09, Nat98, NN19]. **Scheme** [Pet01, PJ96, QS08b, RY03, Ros96, SGS22, Sha21a, SZ06, SXL+22, SY08, SZZ21, Slo02, SZW20, TWZ21, Tou22, VS04, WL97, WT23, WDE+99, Wan04, WDG+18, WYT18, WY19, WM11, WT16, Xu99, XZ23, YJ13, Yan21, Yu01, YCY19, YLF23, ZHY21, ZZZ21, ZLZ22, ZCQQ21, dLRT09, McG95, ZzSpH14, NBA+14]. **Schemes** [AB02, Abg09, ADR14, AT20, AM20, AKPRB08, AD06, BGL08, BLH02, BT06, BBC+01, BAFF00, BM08, BCF13, BPR99, BP12, BV19, BS04, BM10a, BM10b, BH08, BR09, BPR13, BQRX22, BHT11, BC99, BL03c, BL05, BCV13, BKBT18, BDPR22, CFGM11, CZK15b, CZZK16, CCKP21, CPPR12, CEOR18, CHKM13, CCM08, CGK13, CGV18, CL23, CLAT10, CYZ17, CD20, CS20, CS23, Chr09, CLTX15, CL21, CHL16a, CHL16b, Dar21, DMBB10, DQ22, DEP11, DBSR17, EG22, EG23, EF05, FGS14, FO19, FM11, FSvdV98a, FRS19, FMB13, FK19, FEM08, GPW22, GB12, GCB15, GZYW18, GZW20, GSW17, GKRB16, GML+21, HKYY16, HOY03, HS05b, HSWW08, HPS06, Hes98, HX21, HS21, ILK05, JlLGZ20, JL11, Jia14, JT98, JP00, JSZ13, JX13, JWC21, Jin99, JW13, JLZ16b, KPS19b, KS14, KW10b]. **Schemes** [KNP01, KPP07, KP09b, Ld12, LS12a, LO19, LE10, LV13, LL98a, LDS11, LV10, LM05b, LM12, LPR00, LNSZ06, LI01, LP23, LN03, LT00, LW03, LSZ11, LPS13, LY14, LP03, Lu95, MV09, MNS07, MB13, MMS05, MR01, NN03, Nor07, OL98, PPR05, PKD13, PLVG+22, PL21, Pet05, PPRS19, PP12b, Pup03, QS03, RSD+20, RU01, RSS20, Roe98, SL11, SRS19, SKWK18, ST14a, Sei95, SY14, SYY09, SY18, Ste00, Sur00, TB99a, TW05, TSX17, Tor05, TKK16, VN03, VS03, WL01, WDGK20, WBFA09, Win10, WS20, YHS07, YY18, Yan22, Zen16, ZS03, ZLS12, ZWWZ21, ZW03, ZFZ14, ZYLW16, ZZY20, ZQ17, ZQ18, ZLJ96, BH97, Hes97, LK93, SS93b]. **Schmidt** [BG22, CCJ07, GL03, Ste08]. **Scholes** [iW11]. **Schrödinger** [ADKM03, AP19, ABK11, BJM03, BCM11, Bru15, CL22, CCG14a, CCJ07, CMZ19, CRV14, DLY16, DL22, FJ99, GRPG01, GMYL23, HWZ19, KL13b, LZ17b, LWZ17, LZZ18, LYZ23, Liv08, Luo19, MCL19, PJZ23, SSN19, YHL19, ZzSpH14]. **Schur** [ARS21, BS05e, BG05a, BG05b, Bla03, CGL01, DS95a, DKXS18, FCR93, HVK18, HSF07, Kra12, KLL+16, LS05a, MG11, Mal07, MRT00, MMA98, MFPG18, OV07, PE00, PL21, PSLG14, SS99, TMA23, WB99]. **Schur-Type** [PE00]. **SchurRAS** [LS05a]. **Schwarz** [AJR23, And08, ADM10, BT03b, Ban08b, BGOD08, BC10, Bre00, Cai94, CGK+98, CS99, CL11, CPW15, CC12a, AGJT21, DK11, DGGG09, DGK+16, DGL+12, EDGL12, GMN02, GR05a, GK12, GX16a, GZ16, GV19, GJS19, GV20, GLR23, Gar96, GKV00, Gar05, GSV20a, GH99, GC97, HJN17, HR07, HKR16, HKKR19, HHK19, HL20, HKK+22, KC16, KWG+20, KO19, Li94, LSC18, LNS15, LWSP22, Lui00,

RKW20, SZ99, SS99, SBK13, ST08, ST17a, ST14b, SHP07, SE11, SG95, SW22a, Sma04, Smi97, SG04, SvG08, Soo16, SC98, Sta94, SO10, Sun95, TCZC19, TTSM08, TT07, Ton94, Tor12, TMA23, TS14, VC00, VM13, VFGS23, VK13, VSS14, VTD12, WZ21a, WLX+13, WC22, WTWB09, WSH14, WJS23, WG19, WQX20, XS17, Xu04, Yan94]. **Systems** [YDF97, YP98, YLG22, YWL17, Zha97, dDBV14, dSL05, dSO21, AS93, AM95, AP93, BHP94, CGP93, CN93, CT94, CGS+94, CC96, CW97, CMV97, Fre93, Gre93, JS93, LW22b, Yav93]. **systolic** [BPT93].

Tables [CWG10, GBS19]. **Tabulated** [CGP22]. **Tackled** [KRW20]. **Tackling** [KSD10]. **Tail** [GSS12, IM98, WY19]. **Tailed** [CHL16a]. **Tailored** [TP21]. **Taking** [MM98]. **Taksar** [DS96]. **Tall** [CGHT14]. **Tangent** [ZZ04, ZS14]. **Tangential** [MRSS14]. **Tangentially** [BM11]. **Target** [DKK+19, HWS05]. **Target-Matrix** [DKK+19]. **TAS** [CFKM18]. **Task** [ABC+14, BCK22, GKM+17, MDM15, Til15, YS16]. **Task-Based** [ABC+14, Til15, GKM+17]. **Task-Scheduling** [MDM15]. **Tasking** [CHW20]. **Taxonomy** [BBGS04]. **Taylor** [AM18, Bar05, Hei13, Kup98, SIDR15]. **Tearing** [LOSZ07]. **Technique** [ABKS16, Bla97, BEOR17, BEPW98, CL03, CFH19, DS97, GG19a, HHLS15, HHMDC18, LNS96, NNH99, OB21, OGO16, OVV17, PQR20, RSA05, SP03, WiOH08, WZSL12, WZ19, Yun03, PSB+06]. **Techniques** [ATWK19a, ATWK19b, ATWK20, APvDG12, ADH99, AB16b, BRR18, BvW09, CDGS05, CP05, CP07, CBS00, CDGT01, DS00, EF15, FBF15, GS98b, GG10, HKL+22, HW01, HM14, JFG13, KTB14, KMR01, KM98, Lan10, LU17, LKK18, MT22, MMV98, MFPG18, PKNS14, PABG11, PR22, Pla98, SS99, SBR06, hSSW23, SW03, SF08, SFM20, Toi96, WB08a, XSC21, YHC16, ZW94, ADRS95, CS97, Di 95]. **Teko** [CST16]. **Temperature** [Don06, RJLW20, SMZ18, YCY19]. **Tempered** [GLW18, GZT+19, HP14, ZAK15, ZK15]. **Templates** [Dar21, IHTR12]. **Temporal** [Ber95b, BRK16, FL19, GS16, LL00, MKWG15]. **Tension** [BN98a, LL97, MCT+05, SO09]. **Tensor** [ABB22, ABC+23, ACG20, BS03, BS07, BG14, BKK18, BKK+21, Beu05, BAS09, BEKM16, BHL+20, BKS16b, BS99b, BDS20, CQZ17, CRO23, De 12a, DM13b, DH16, DKO12, DP19, DKK21, DKS23, DF21, EGLS21, ERL22, FHL+23, FF05, FEM08, FJHM19, GNL14, GOS12a, dMGF17, GKK15, HJ18a, HRS12, HMvdG18, JMR17, JML22, KOB20, KKT13, KKS13, KK09, KKF11, KS11, Kor15, KSU14, KSV16, LT21, LGC+23, LS00, MMRN15, MSL13, Mat18, MBM+16, MKB22, NRO22, OT11, Ose11, OSS22, PK19, RO15a, Rak21, RDB16, SRT23, SDH21, Ste16, VMV15, VS17, VDD19, WSX17, ZCK12]. **Tensor-Structured** [GNL14, KKT13, KKS13, KKF11, KS11]. **Tensor-Train** [ABC+23, BEKM16, NRO22, Ose11, SRT23, VS17]. **Tensors** [ACG20, BK07, BK16, CCQ16, DGP18, GU17, GMS21, KU18, KP17, RZTB22, SL10, SLvdGK14, ZBdAF20]. **Tent** [GSW17]. **Term** [AGH00, DD23, FN94, Fu21, GvdV17, HS97, Kla98b, Kla98c, PPS22, RG98, Wan07a, ZTM+16]. **Termination** [FL08, KMT98]. **Terms** [BBK21, BKK+21, BBF+22, CGK13, HR99a, JW05, Nak98, Win06, EW96]. **Tessellation** [BGL06b]. **Tessellation-Based** [BGL06b]. **Tessellations** [DGJ03, DW05b, GCN21]. **Test** [CPT05, Han95, JL03, JL05a, Lin06, LW03]. **Testing** [WRB+15]. **Tests** [LSW02]. **Tether** [TP09]. **Tetrahedra**

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