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Title word cross-reference

(1 + 1) [RF10]. (k) [YC99].  
(\(\lambda^2 A + \lambda B + C\))x = b [SP02]. (m) [WOW00].  
(Re \leq 9500) [GHTW00]. 1 [GV16, HJLZ18, KNV\(^+\)16, LW03, MMVV13, RM00, VB07].  
1.5 [KAU18]. 2  
[ABST13, ACD\(^+\)08b, BWV15, BLS14, BH97, BI99, BK14, CMV97, CD01, KL15, KW07,  
KP06a, Kra09, KNV\(^+\)16, Lam97, LRP07,  
LYL\(^+\)11, LW03, LNS15, MT97a, NN03,  
Sma01, NZN16, ZND18, ZWZ19, vVKA11].  
2, 3, 4 [Goe97], 2/3 [DHPAH19]. 3  
[BIA99, BIA05, CP13, CWL\(^+\)14, CCC18,  
CDB13, CMS06, CH11, Don06, FMW19,  
GH13, GD03, HA01, KC16, Kra09, LS12b,  
LFJS14, Min02, PATF19, PS10b, PWGW12,  
PELY13, PRS11, RY03, RL18, RH06,  
Sch05, ZCW10]. 5 [Goe97]. 6 [RY03].  
[AY13]. 3 [BOF16]. A [APSG14, APSG16].  
A\(^-\)1 [ADLR15]. \(\alpha\)  
[BFM\(^+\)04, BMM\(^+\)10, PR09]. \(B\)  
[BGK15, KPP\(^+\)16]. \(c^* A^{1*b} [ST11]. C\)  
[LR99, PMH\(^+\)16]. \(C^\infty [Pla15]. D [AS18], \ell\)  
[MR18, SvG10a]. \(\ell^1 [GG19b, CJK10]. \ell_0\)  
[APSG14]. \(\ell_1\)  
[GNZC17, NNT13, CJY16, GLN09, YZ11].  
\(\ell_{1-2} [YLHX15]. \ell_1 - \ell_2 [YSX17]. \ell_2\)  
[CXY10]. \(\ell_p [CG19, CXY10, LMRS15], \ell_q\)  
[LMRS15]. \(\eta [CB98]. f(A)b [CAS11]. H\)  
[DMMO05, ACK19, Am96, BH12, CDB13,  
EOD93, GC97, HTB\(^+\)05]. \(H(\text{curl}) [LO11].\)  
\(H(\text{curl})^2 [ZWZ19]. H(\text{div}) [Tal15, DKL\(^+\)19,  
KV12b, LMM17, WWY09, KLL\(^+\)16].\)  
\(H(\text{curl}) [RKL09], H(\text{div}) [RKL09, WWY11].\)
\( H^1 \) [DTYY18, JK11]. \( H^{\text{curl}} \) [JK11]. \( H_{C/E} \) [RH09]. \( H_P \) [Gia18, AGH13, CGP19, EPR10, FHL13, HXB13, PRS12, CDG17, DEV16, GL08, HMM17, PTV10]. \( L \) [May08]. \( I \) [ACD18, LSC03, OKLS15]. \( j \) [GF16, Ry03]. \( K \) [ROO08b, Gre03, Joe93]. \( L \) [HO93]. \( l - 2 \) [FNNB05]. \( L_1 \) [LWZ17]. \( L^1 \) [DG17, SWU16]. \( L^2 \) [EAS11, MNvST13]. \( L^2(H^1) \) [Pic10]. \( L \) [RSNNR17, WBS17, FNNB05, YG15]. \( L_2 \) [HRT10]. \( L_p \) [DF10]. \( LDL^T \) [ADGP07]. \( LU \) [DGHL12, LSS03, MG07, VM13]. \( M \) [HW99, Vir07, AMN15, BK17]. \( R^2 \) [DW15b]. \( R^3 \) [AB08b, HS99b, PL12]. \( R^n \) [CBN02].

**Heart** [LCR+16]. \( \mathcal{H} \) [DHP17]. \( \mathcal{H}^e \) [Bör99]. \( \mathcal{H}^s \) [Bör99]. \( \mathcal{H}_{\text{C/E}} \) [BM12]. \( \mathcal{H}^\infty \) [BM18]. \( O(\infty) \) [BM12]. \( O(N) \) [BCK16]. \( MR^3 \) [WL13]. \( N \) [Alu96, BME93, KLoob, BOF16, BEM94, AE18]. \( N \log_2 N \) [FMP06]. \( O(2) \) [ WAS09]. \( O(N) \) [GM14a, OFK14]. \( P \) [CK03, Ain96, BLo0, BB08, CG99, Cas97, CS16, FTY15, GC97, HGK97, JP11, MSL13, PP12b, PP12c, TB99a, ZK96]. \( p + 1 \) \( [vNLB04]. \) \( P_{1/2}^{\text{NC}}(x) \) [GST09]. \( P_1^{\text{NC}} \) [Le 05]. \( P_1 \) [Kan03a, Le 05, WW003]. \( P_N \) [HM10b]. \( Q \) [MMR15]. \( qd \) [von97]. \( QR \) \( [QBT13, DGHL12, DG17b, HvdG96, MvdG17, VTD15, Nmg93, Wat94, VD10]. \( r \) [EOD93]. \( r^{-\lambda} \) [CJ05b]. \( R^3 \) [Atl94]. \( \rho \) [CFH+03]. \( s \) [SVo08, Son12]. \( S_N \) [KR14, Lee10a, Lee12, Lee10b]. \( T \) [LZ13b]. \( \tau \) [Ber97]. \( \Theta \) [WL08, TSK09]. \( TV \) [CJ10]. \( V \) [BGP94, Kwa99]. \( \varepsilon \) [BRZ14]. \( W \) [GPHHAP18]. \( w = f(A)^v \) [TE07]. \( X + A^T X^{-1} A = Q \) [GL10]. \( xx \) [CLQ12, CLW13].


1 [EO15]. 14 [BEM94].


3 [Bur97, NKTY08]. 3-D [Bur97]. 3D [vLH14, Sar98].

4th [MCV17]. 4th-Order [MCV17].

5/CM [BP97b]. 500K [ROM18]. 5E [BP97b].
60th [PS97].
754 [MRV06].
860 [Rot96].
94e [BEM94].

AAA [NST18]. Abel [HFL+16]. Ablation [CBK18]. Abscissa [MG12, Ros15].
Absolute [VK13, YYWY18]. Absorbing [AK11, BHG14, FJ99, HY14, LZZ18].
Absorption [LP96, MMMY96]. Abstract [Del14]. Accelerated [AAH+19, BY93, CW17, CKLL16, CHJ16, CML18b, DMSW10, EG01, FMYT16, FSvdV98a, FP14, KK09, MR07, NKLW94, NAC15, NFP18, PS10b, RHSK11, VTD12, ZCZ04, ZW16, EB96, LK03, MW13, GHS15].
Accelerating [BDM18, BRZ14, CH18, CKBT16, DCP11, HOW17, IT09a, LRSV11, LY13, MG09, NKT08, TMA18, ADRS95].
Acceleration [BGOD08, BER17, CC03, Gar05, HHSW11, HBS00, Kaw17, LSV13, OW00, RWA95, SO15, TEE17, VN03, WZ19].
Accessible [KMA12]. Accumulation [RW97].
Accuracy [ATWK19b, ALRT17, AIV98, BP97b, BCC98, CKBT16, CGAD95, CFKM18, CLAT10, CK94, Cor08, DMPV08, DS05b, DS97, Dor10, FO19, JZ00, LS09, LB06, MR02, MKRK13, NN03, PQOB14, RX17, RGOY10, RF07, Sch96, SZ97, Sk00, ZHK15, ZLTT15, ZMK17, ZLJ96, Zim00, vHBC12, vSRV11, Hig93].
Accuracy-Conserving [MKRK13, vSRV11]. Accurate [AdWR17, ABMR11, AO07, ABIGG16, AP12, BOB19, BS18a, BWV15, BM18, BR09, CH17, Che05, CC08, DH03, Drm97, DCM14b, EE14, GBCT10, GST12, GCG19, HG02, HT13a, HLW00, Hen06, JL11, JF16, Kou09, KP05, KM12, KR12b, Kye12, LG09, LD16, LFBO08, Lun15, MC10, Nit99, ORO05, PKR13, ROO08a, ROO08b, Rum09, SL09a, SC02, TBW9a, VPP05, WLM97, WM05, WRS17, ZCL11, ZJC12, ZCP06, Zim14, ZPE12, vdVXX19, vWBV09].
Accurately [Che16, GSR19, WS15]. Achieving [BSA13, Ros05a]. Acoustic [AM19, BC06, BS06b, FKTW10, Köss07, LH19, Mal07, MZ94, RZ03, SWB16, Sni97, Str99, YBM18]. Acoustics [BH14, Nat98]. Across [CYVK15, KM18, TLLK09, Lay06, LP06].
Action [AMH11, AM18, Ber98a, HK17, KR17, RX18]. Active [CDW14a, CDW14b, CKBT16, HSW08, KP11, PST15, YYS16, ZJX14].
Active-Set [PST15, YYS16]. Active-Set-Like [KP11]. Activity [RC06].
Actuator [ABD17]. Acyclic [GTM07, HOU19, MZW09]. Adaptation [AFMP15, Che94, DPF15, DF10, DEV16, DMRR19, Hua05, RH06, WA99, WH15].
Adapted [AMP00, CCA03, DZ12, GHK14, Lab05, RHSK11]. Adapting [DBA19, HMDC18]. Adaption [MP08].
Adaptive [AB02, AGI10, AHK17, AMM11, AD18a, AD19, ARM19, AFOQ19, ABIGG16, AW15, AGL13, AD06, AB00, BBSV10, BB13, BB17, BLH02, BG14, Ban08a, BH00a, BL04a, BO07, BM17a, BBC1, Bas98, BC06, BBSW94, BBC1, BC09a, BK06, BS16b, BZ12, BB15c, BB05, Bö17, BFM04, BFM05, BMM1, BMV11, BTGH12, BWG11, BH16, CHR99, CWS99, CP03a, CD02, CW07, CCKZ10, CKLL16, CVK13, CDB13, CHH10, CGP19, CM13, CVE13, CPB19, DMS01, DMM08, DM13b, DGDS16, DHJW08, DL19, DKKP14, DLZ10, DZ08, DMD12, DGvdZ18, ES17, EV13, EH00, EMT09, FUNB18, FTY15, FL18, FL02, FNTB18, FKK14, GT98, GG19a, Gia18, GB06a, GCG19, GGS08, GM19, GC17b, GG10, HMM08, HS05a, HMM17, HBB16, HH02, HR99a, HKKR19, Ho05, HEGH14.
Adaptive [HLZ19, HS94, JI08, JS93, Jah10, JTZ08, Jan98, JF11, JK11, JHJ12, JP97, Jou94, JGZ06, KKv13, Kaw17, Kaw18, KGGS10, KV05, KRR16, KRT16, KY05, KHRvBW13, Kul12, KPP07, KO19, LG97, LMPQ03, LNP15, LS16b, LM14a, LJL98, LCL18, LKK18, Liv15, LT14, Log03a, Log03b, LFLS08, LK04, LR98, Mac98, MNRI19, MS13, MT19a, MH17, MFJ19, MK08, MRW15, Moo00, MTV16, NKLW94, NJ14, OPRB06, OS15, PBP14, PDTVM08, PZB15, PW15, PP05, PCL16, PD15, QTZ11, QDKV18, Rav02, Rüd94, SP03, SDNL10, SYZO15, SR18, SNB16, Spi16, Ste00, SMN10, Str94, TW12, Ten98, Tra95, TP09, TY11, TLE12, WM11, WMC12, WG18, WLLZ18, WCH14, WM11, WMUZ13, Yu01, ZT17, Zas95, ZJC12, ZAD+16, ZMS10, ZRK15, Zie12, aKT18, dVPS+17, dLRT09].

Adaptive-Krylov [LT14].

Adaptivity [BP13b, CGKM16, Lee14, RKLN07, TT06].

Adaptively [FG97].

Adjoint [FHFR19, HM10a].

Advanced [NP93b].

Advantages [AR99, KB08].

Advection [ADR14, ALLK15, AH12, BSM16, GH07, GGS08, HDF+19, KG14, LW12b, LSV13, MRF18, MS98, NN03, PDH09, PH13, SBP04, TZ18, TM14, WXK04, WDE+99, WL01, YVB98, Z14a, Zbi11, ZJC12, ZRTK12, ZTM+16, PCDB96, PW12].

Advection-Diffusion [ADR14, AH12, GGS08, LSV13, WXK04, WDE+99, ZJC12, ZTM+16].

Advection-Diffusion-Reaction [GH07, PDH09, SBP04, TM14, ZRTK12].

Advection-Dispersion [ALLK15].

advection-dominated [PCDB96].

Advection-Reaction [WL01].

Adveective [XCS16].

Aeroacoustic [Dor10, RSA05].

Aerodynamic [Har08, HS06b, Haz08a, Haz08b].

Aerodynamics [Ts99].

Affine [KA95, Kor93].

Agglomeration [FW06].

Adjoint [ADK+18].

Adjacencies [SR+18].

Adjacent [AT12, AHHR16, Bou01, CLPS03, CP04, CEJ+10, CSW14, FHFR13, FR10, HTMM15, Sch05, SU15, TW13b, WLE+00, WM109, ZS14, Sta97].

Adjoints [AT12, CSW14, SU15].

Aided [HOY03].

Airfoil [Yu95].

Aitken [BG08].

Aitken-Like [BG08].

ALE [ADK+18].

Algebra [KM18, PSA99, RTR+16, LJ93].

Algebraic [AC05, AS94, AP99, BQQ08, BGL08, BSH16, BS02, BFJ+15, BDO12, BFG+16, BGF+03, BHST08, BG09, BB+11, BB03].

Added [SBHS19].

Added-Mass [SBHS19].

Additional [UG19].

Additive [AP99, BV16, Bre00, CS99, CL11, CGG07, GH09, GC97, HNJ17, HMR09, Jay98, Kra12, KLL+16, LJ19, LSC18, LKJ18, NT18, PS08, SCG07, V114, Wan12, WGT14].

Adequate [FH06].

ADER [AG10, TM14].

ADI [DML05, TV98b, ZSpH14].

ADI-Like [DML05].

Adiabatic [Jah04].

Aitken-Like [BG08].

ALE [ADK+18].

Algebra [KM18, PSA99, RTR+16, LJ93].

Algebraic [AC05, AS94, AP99, BQQ08, BGL08, BSH16, BS02, BFJ+15, BDO12, BFG+16, BGF+03, BHST08, BG09, BB+11, BB03].

Advanced [NP93b].

Advantages [AR99, KB08].

Advection [ADR14, ALLK15, AH12, BSM16, GH07, GGS08, HDF+19, KG14, LW12b, LSV13, MRF18, MS98, NN03, PDH09, PH13, SBP04, TZ18, TM14, WXK04, WDE+99, WL01, YVB98, Z14a, Zbi11, ZJC12, ZRTK12, ZTM+16, PCDB96, PW12].

Advection-Diffusion [ADR14, AH12, GGS08, LSV13, WXK04, WDE+99, ZJC12, ZTM+16].

Advection-Diffusion-Reaction [GH07, PDH09, SBP04, TM14, ZRTK12].

Advection-Dispersion [ALLK15].

advection-dominated [PCDB96].

Advection-Reaction [WL01].

Adveective [XCS16].

Aeroacoustic [Dor10, RSA05].

Aerodynamic [Har08, HS06b, Haz08a, Haz08b].

Aerodynamics [Ts99].

Affine [KA95, Kor93].

Aided [HOY03].

Airfoil [Yu95].

Aitken [BG08].

Aitken-Like [BG08].

ALE [ADK+18].

Algebra [KM18, PSA99, RTR+16, LJ93].

Algebraic [AC05, AS94, AP99, BQQ08, BGL08, BSH16, BS02, BFJ+15, BDO12, BFG+16, BGF+03, BHST08, BG09, BB+11, BB03].
Algebraic [Vir07, WHCX13, WMSG09, WE06, YGB05, Zas95, BHP94, HTW12, Lam97, MT97a, MS93a].
Algebraical [WB99]. Algorithm [AKA13a, AKK14, AM18, ALLK15, AFK15, AFS19, And99, Ash95, AHHR16, BB17, BS99a, BS02, BK98, BK99, BS05b, BS98, BCF01, BG17a, BI00, BC09a, BK06, BR05b, BRR18, Boz09, BZ97, BWV03, Bru15, BDR18, BLNZ95, CZ10, CD15a, CMS94, CC08, CC10, CP03b, CK19, CD13, CHO12, CP15b, CRT11, CWD13, CS10, DHHN17, De 12a, DM13b, DZ12, DP07, DFF00, DPV05, DTV13, DPHAH19, DGLW16, EWO0, Ein19, EL19, EBSS11, Ett16, FL18, FS11, FP07, FJP99, GN16, GKRNS19, GJS19, GH07, GH15b, GV06, Gar97, GAMV13, GV13, GL03, GLR07, GM13, GS05, GKK10, GMPZ06, GLN09, GrM10, HJN17, HLD12, HT14a, HO18, HMS11, HJ07, HSSW11, HK099, HL95, HvG96, HWD02, HS06d, HOW17, HH16, HVW95, HR98b, HS01b, HHL15, HCY16]. Algorithm [HMvdG18, HSW08, HGP014, IJ08, JK07, JK15, JN10, Jou94, Kas95, KV12a, KHRvBW13, KHRvBW14, LV98, LRSV11, LC14, LLS13, LT09, LH96, LZ99a, LZ99b, LGP14, LFJS14, LXV16, LYL11, Lin16, wLxY00, LB06, Liv08, Liv15, LWK16, LR98, Lys01, MG07, MG09, MG11, MMY14, MK00, MBGV16, MV16, MN11, NST18, NK15, NGX14, NCT99, Nov15, Oet99, OKF14, PKR13, Par17, PGLD96, PSB16, Pet99a, PMY14, QDKW18, Rav05, RC06, RNV17, RG0Y10, Ruh98, RLO18, SYEG00, SBK18, SBH19, SX17, Sp16, SV08b, SV11, Str00a, SF99, SW10b, TN16, TZ18, TD99, TMA18, VD10, VMG09, Wal14, WC00, WM09, Wan13, WLLL18, WMSG09, WYGZ10, WMBT19, WL13, WWJ12, WC17, Wu18, WZ19, XX08, XYZ05, XAW17, YMW07, YZV09, YCC10, Yin09, You94, ZTK19, ZZ18, ZY05, dMHJM00, von97, Alu96]. algorithm [BZ93, BPT93, BDP96, CGS94, DS93, EB96, FGN93, Fre93, Kor93, Lan93, LV94, LL93, MMY14, MMY96, MS93b, NP93a, OS95, PS93, Saa93, Smi93, Wat94].
Algorithmic [APvDG12, HT16, Moo00, PXY16, SW17].
Algorithms [AB08a, AdVC00, Ain14, AMH12, AMHR15, ACD95, ACK19, BCGR98, BDS98, Ban10, BH00a, Bar00, BHT09, BM05, BF95, BF03, Bit99, BB15c, Bja19, BT07, BTK19, BuVC10, BM95b, BRZ14, BM11, BHM19, BWG11, CGK98, CK02, CJ11, CS02, CWC08, CXXS03, CH02, CKY98, CC12a, CD15b, CD01, CYVK15, CVW17, CRR18, CM05, CDFQ11, DJ07, DAE02, DW17, DSC05, Dor89, Dor10, DW94, DG99, EH12, EOZ94, EY07, FMYT16, FWA11, FSvdV98b, FW97, Fra98, FFS07, GaP08, GJS13, GLxY19, GTMP07, GST12, GGLT00, Goe94, FY09, Gon15, Gri94, GE96, GZ19, HMR11, HM10a, HV01, HOU19, HK05, HW09, HMD07, IBW15, IMS96, Jia14, JP97, KKK16, KCL16, KMM97, KT15, Kar96, Kec97, KS94, KPL13, KK02a, KPP16, Kir14, KEF11, LSL99, Lan98, LS94, LX19]. Algorithms [LK15, MCL19, MS07d, MBKP10, MO00,
Mar09, MH16, MRS16, MT06, MZW09, MS07e, MDG+18, MW16, NH13, PVK16, PH13, PSSW15, PB+96, PBC05, RNR13, RT05, RMD08, RKvdDA14, RG+15, Ros15, SKMF15, SIDR15, Sch19, SR16, SIS96, SXK17, SvG08, Ste01, ST98, SWU16, SW15, SW10a, Sun95, Ten98, TAHR15, VMV15, WLX+13, Wei09, WNC08, XB16, XAS13, YG15, ZLLT15, vdDA12, BGP94, BEM93, Car93, CG93, EG93, Göt94, NP93b.

Aligned [GH14, GHS09, MB13].

Alignment [ZZ04].

All-at-Once [MPW18].

All-Speed [AIP19].

Allen [ZD09].

Allmaras [DHE13].

Allocation [HS99a].

Almost [CPW15, DL17, FD03, Jah04, NV98, PWZ10].

Almost-Adiabatic [Jah04].

Almost-Invariant [FD03].

Along [ODN17, BBT19].

Alternate [CJ95].

Alternating [BF06, CG18, DS14, GKK15, HV96, HRS12, LPS13, LDM00, Liu00, Liu01, NY90, NWY11, RDB16, SL11, Sta94, WY12, WY13, YZ11, YYWY18, ZN26, Gar96, Li94, ST96].

Alternating-Direction [BF06, HV96].

Alternative [JSZ13, May05, Rah13, Wal14].

Alternatives [HvdV03].

American [AO07, GMP19, HY08, HFL11, IT09b, KL11, T0i08, dFL05].

AMF [GPHHAPR18].

AMF-type [GPHHAPR18].

AMG [BFJ+15, BBKL11, Ema10, HV01, KV12b, PS11b, Vas10].

AMG-DD/DD/AMG-RD [BFJ+15].

AMG-RD [BFJ+15].

AMGe [CCVEK17, BCF+00, CH+03, HV01, KLV+16, Wab05, JV01].

AmgX [NAC+15].

AMP [SBHS19].

Amplification [DMBB10].

Amplitude [AIL05].

AMPS [YPHH17].

AMR [BH17].

Analogue [RT11].

Analyses [MMT15].

Analysis [AV14, AdVC00, AB19, AA00, AKW17, ABC00, ASZ07, ACF09, ABTZ14, BA05, BHN10, Bar12b, Bar05, BW00, BPB07, BW11, BM05, BBR04, BCM11, BR18, BVP08, BGP04, BHM19, BS06b, BT16, BDW11, CKOR16, CLPS03, CH17, CRS+18, CP03a, CJ09, CDF18a, CW97, CFKM18, Cha18, CL18c, CV94, CI2Z16, CWY17, CG10, CLN12, CWG10, CBF17, CE16, CSW14, Den97b, DJ07, DH95, Di 95, DKP14, DFH+19, DT00, DTM05, DHP17, DKSW19, DMSC18, DP03, DMM19, DMM19, DHE13, DP16, EH18, ES18a, EMT09, FUNB18, FMRR13, FCZ14, FMB13, GS98a, GV07a, GJSZ13, GN16, GH15b, GGL09, GLS08, GB06b, GGKM07, GKT09, GD07b, HMST11, HTMM15, HhvR03, HO96a, HM19a, HL98, HLT16, HLNS19, Hôs94, HK95, HV04, Huc08, IT14, JMN01, JD02, KO05, KSB11, KY03, KGR16].

Analysis [KH18, KRGO19, LQ19, LS17, LRW96, LNP+07, Le 05, LP07, LP08, Li99, LS17, LZZ18, LW15, LS05b, LC05b, LW04, LX16, MRR03, Man95, MRF18, MB02, MSS10, MEHL16, MW08b, MMS05, MN08, MNZ15, NM13, NN05, OC03, OW02, PMA15, PVC17, PV15, RWK14, RGOY10, RGG15, RX18, RLC08, SBHS19, SKJ+13, SV08b, SV11, SNB08, SW15, TW13b, TV93, TW93, VXCB16, WC03, WZ15, Xie05, YPN+01, Yiu95, ZTK19, ZCZ04, ZF09, ZPE12, dLRT09, dRRG19, vGEV07, MP94, SA97].

Analytic [Bar14, KBV09, LBC14].

Analytical [BK04, CFH19, PAA18].

Analytical-Numerical [CFH19].

Analyticity [GJ05].

Analyzing [ SAY03].

Anchor [BTY08, LT09].

Anderson [EMM+99, LSV13, SBR06, TEE+17].

Angle [KR18].

Anisotropic [ABBMM98a, ABBMM98b, AFMP15, AP99, BS08, BP13b, Cao07, CB13, CMK11, CDN16, DPF15, DMRR19, DW05b, DK03, GMS02, GJZ18, ISG15, Lee10a, LPP09,
MS13, MV94, MP08, MK96, MMV98, Pic03, Pic10, PABG11, Sch98, TLE12, WH15, WYT18, WY19, Win10. Anisotropically [GHH07]. Anisotropy [BT99]. Anomalous [CK17, CLAT10, CHL16a, CHL16b]. ANOVA [ZCK12]. Antenna [ATV07, BH07]. Antidiffusive [BCV13, MS98]. Antipersonnel [XK08]. Antiplane [GT98]. Antireflective [CH08b, SC03]. Any [Ain14, AGK18, Bja19, CCF14, PCFN16]. AP [Jin99]. Aperture [BL03a]. Application [AdSGC12, ABdSF15, AKW17, AMH11, AHDK14, AWA+18, ACCP13, BLV17, BHH18, BG05b, Bla03, BLGL11, BBMR03, BDR18, BTGH12, BTGMS13, BG13, BFSN08, CGL+12, CCG14a, CTB15, CM98a, CM98b, CH17, CS18b, CBK18, DM+08, DKL+19, DKO12, DCSO10, EBSS+11, FDFW07, GTMP07, GGOY02, GV13, GRL10, GW98, GJ07, GL10, GC16b, HSS08, Hen05a, HDZ16, HPZ19, HSBC97, Hua05, HTH+16, Hwa07, ISG15, KOV15, Kra12, LQ19, LCH09, LSV17, LSL13, LW12b, LW14, LYL+11, LJL98, LCH99, LPP09, MR04, Man99, Mar01, MWBG12, MM98, OS14, OW00, PGLD96, PS19, Pe18, PMSG14, Pic03, PP13, PS10b, RWA95, RDB16, RSA05, SBK13, SCM10, SO10, SF09, TP18, TET10, TZ14, TYU19, Wab05, WRB+15, XYG001, XYZ05, YSX17, Yan14, YZ05, YPHH17, YR12, de99, Ber97]. application [CSS93a, DG95, MMPR93, YGCP96]. Applications [AKM+14a, ACK19, BF01, BOR97, BTY08, BM10, B09, BC09b, BGMW17, CB98, CEOR18, CIZ16, CWY17, CL08, CFM96, CG11, CDW14a, CDW14b, CGMV05, CST16, DTV13, DGSW10, DW05b, ERSZ17, Ema10, ES00, FMY16, FKTW10, FFSS13, GaP08, Gar00, GRPG01, GU17, GLW18, HT09, Hri03, Hri05, HiH18, Jia14, JED10, KK18, KR17, KPÇA12, KVMK01, KLL+16, Lec13a, LZ01, LYYxY18, Log03b, LD04, MRFV18, MSL13, AE18, MSW05, PH13, RGG15, Rub12, RCLO18, SM17, SPS18, SZ06, SY10b, SY12, SW16, SZ00, SS03, SZS97, Smi97, TPT+16, WS07, WS06, WM05, XZ10, YMM14, ZHW+14, ZWZ19, Zyg11, CC96, LCW95]. Applied [AA13, BLS14, BMV13, CV07, CBS00, DDGS16, DLM16, DJHJW08, DHE13, GLOR16, HLM+04, HL08, KM98, MNS07, NM13, PKD13, Ser06, VSBH99]. Applying [CHH19, Che16, DJ07, SS10a]. Approach [AK09, AP97, ATV07, ACW12, ALZ14, AdSK19, ADLW19, BCS07, BDM+18, BO06, BC02, BTY08, BHST08, BGR16, BP06, CF07, CW14, CS18b, CV94, ICCVEK17, CN10, CH09b, CRV13, CE17, DGS08, DM08, DP03, EVL17, EK14, EK10, FR10, Fli13, For95, FG08+08, GMP19, GB98, G98, GL90, HH+R03, HW03, HT16, HM19a, HTW+12, HSTH18, Hor10, HC98, HLZ13, HSSZ09, IT099, JK12, JR19, JZ13, KHE07, KSD10, KY03, KL06, KL13a, KS15a, KRD18, KZ16, KBP17, LPP19, LS17, LW15, LW12b, LB07, LB08, MT19a, MFJ19, MKWG15, MO10, MDM15, MS01, MR18, MM07, OS14, OB08, PVV11, PSLG14, PQOB14, QGVW17, RS02, SCC17, SB15, TGS08, TPT+16, VS17, VO19, Vog16, WL04, WE13, WBS+17, WP98, Wi17, WB08b, YY18, YBM+18, ZK14c, Zen16, ZCL06]. Approach [ZH09, Zim14, ZVF18, dFL05, dSK11, vdZvBd10a, vdZvBd10b, LL94, RG94]. Approaches [CSW14, KY19a, LZ04, SW09, ZLLT13, DS95a, Rot96]. Approximants [GSS12]. Approximate [AP14, ABC00, BMT96, BT98, BT00a, BCT00, BBFJ16, BCFJ19, BB05, BC13, BT99, BT01, BGMRO1, BW18b, BH14b, CDGS05, CBG12,CBCR14, CS97, CS98, Choc00, CPD17, CST+13, DW05a, EHS+05, Ema10, GWMG03, GNL14, GS98b, GH97, GNYZ18, Gu04, HC05, HL18, HWS05,
approximate-factorization [SS93b].
Approximate-Inverse [GS98b].
Approximating [GKNW18, HMAS17].
Approximation [AN17, APZ13, AG18, ADKM+19, AT19, AFRV19, BG14, BGN07, BGN08, BG98, BBKT15, BG17b, BB15c, Bja19, BKS16b, Bör07, BP13b, BHW99, BTGH12, BFI07, CCGGS15, CNP12, CH08a, Cha07, CL08, CMM95, CE16, CBP19, DU19, DLY16, DB94, DQQ13, DHPAH19, DGB15a, DGB15b, DHO12, EL03, EIL01, FV06, FS05, FNTB18, Fis19, FT03, FDFW07, GJ08, GHHK15, GS18, GI17, GN19, GC19a, GOS12a, GT94, GG09, GOV06, GCD18, GNYZ18, HJK18, HLW00, HC18, HR99b, ILW17, IM98, JNZ17, JK07, JP16, JSPC97, KK18, KR14, KLS+15, KK13, Kaw17, Kaw18, KPP+16, KK09, KS11, KG18, Kra12, KLL+16, KKK18, LMM18, LPS10, LLW16, LZZ18, LSY19, LCL18, Mar01, MRT00, MNvST13, MR94, MNZ15, NZ06, NST18, NJ14].
Approximation [NSK10, PSA99, PPT11, PSSW15, PC98, Rah96, RO15a, RW07, RAT18, SY10a, SY08, SX16a, SX17, SZ00, SP16, Ste99, ST11, Str00a, TE07, TKW18, TYUC19, WR13, WLE+00, Wan12, WH15, Wat04, WY09, WSX17, XL18, YSX17, ZRK15, Ain96, AE95, McG95, NCV06].
Approximations [AD19, BHI4a, BKS16a, BFKG19, Bru15, CAS11, CJ05, CM13, CH01, DD13, DMSC18, EZ11, FWA+11, FJHM19, GP99, GT06, Gos12b, GMS02, HHS+16, HMAS17, HM19b, HBS00, KP09a, KM97, KS09, KL05, MMZ03, MS13, RT01, SL10, SSC+15, SCW+17, Str99, Tal15, WGT14, ZD09, ZNX14, vdEH05].
Approximative [KKS08].
ArbiLoMod [BEOR17].
Arbitrarily [DS16, GHS+09, HN19, KMW99, KZ16, RMB00].
Arbitrary [ADR14, AAD11, AS16, AD18b, ACK19, AIV98, BEOR17, CL10, GPSY17, ISS19, JMW18, KPS19b, MG09, MH16, NS10, PP97, RT99, SG04, TC12, WK06, YSY11, Dr93a].
Arbitrary-Order [AD18b].
Arbitrary-Precision [JM18].
Arc [CDM+13].
Architectures [AHK+17, ABC+14, CP95, DBA19, GV15, Gon15, GKN18, HWD02, LD11, PDE+17, PK19, Pip13, PR96, RTR+16, TD99, YS16, BPT93].
Arclength [LMR97].
Area [KEF11, PP97, SCDM+10, ZF14].
Arising [BGL08, BSSW13, CCQ16, CHH10, FGS14, GH01, GV98, HL10, HZ16, HL17, HLM16, PNW16, PS13, RG07, RH09, Sbo02, WW03, ZFwCW15].
Arithmetic [AT15, CJ09, Dm97, HH18a, HP19, JS10, MF00, WY09, WSX17, XL18, YSX17, ZRK15, Ain96, AE95, McG95, NCV06].
Arnold [CGP12, GK18].
Arnoldi [BS05a, BG17a, DCP11, EPE05, GN14, GT94, JMR17, LPS10, MY18, SS98, TBM6b].
Arnoldi/Lanczos [GT94].
ARPACK [WT01].
ARPACK [WT01].
Array [IS17].
Arrays [BBH+16, KK09, OA93].
Arrival [RMD08].
Arrows [HSW17, SD13, Huc93, RST93, Sun93].
Assessing [Pet99a].
Assessment [AIP19, AKL10, BLR14, Bur97, Ch08a, CG13, CDN16, DGS08, DLV17, DPS18, GKK00, HG98, HT14b, HW14a, JMN01, Jin99, JS10, JWP18, Kla98a, KH18, KKS08].
LS12a, LFH19, LM08, NBA^+14, PDA09, SL09a, SM18, WY19, YY13, BW93, TR93.

Asymptotic-Induced [Kla98a].

Asymptotic-Numerical [GK00].

Asymptotic-Preserving [AIP19, BLR14, CDN16, DPS18, Jin99, JS10, JW13, JLP18, LFH19, WY19, YJ13, LS12a].

Asymptotically [APZ13, BV98, WZ18].

Asymptotics [Gar94].

Asynchronous [AAII98, FR19, GKL08, HKT01, LMPQ03, MGB18, PXYY16].

Atmosphere [GKC13].

Atmospheric [BZ97, GC16a, GRL10, JSPC97, LCH09, RW97, TGS08, YC14].

Atomic [CDS98].

Atomistic [OZ16, Sha12, WLLZ18].

Atomistic/Continuum [OZ16, Sha12, WLLZ18].

Augmentation [KNN12].

Augmented [AVBTG17, And17, BR05a, BO06, BW11, CJY16, DGRZ15, FMW19, FGM08, FL08, HKV18, KS13, OB08, PSLG14, Vog16, Wic17, YPHH17, AF15].

Augmented-RBF [AF15].

Authority [Der08, MW13].

Auto-accelerated [MW13].

Autoassociative [SAY03].

Automated [BL04b, DJ07, FHFR13, FHFR19, GGOY02, KXS18, MGG19, MBM^+16, OLOW08, RL13, VR16].

Automatic [Balo00, BR04, BV00, CJK10, CV09, CJ99, DM16, GM00b, HS18, HBS097, JK15, PT08, QDKW18, Sar97, Sch18, SIS96, XC13, AM^+94].

Automatically [ADGM98, Gu93].

Automation [FCF14].

Autotuned [DPC11].

Auxiliary [CS18b, KV12b, Lee13b, WHCX13].

Avascular [BCG^+10].

Averaged [DHE13, GG05].

Averages [ADH99, BBT11, KOSB16].

Averaging [CP05, CP07].

Avoid [May08].

Avoiding [BG11].

Axis [Zhe07].

Axisymmetric [GGZ02, KCL16, Kup98, MCT^+05, Nit99, Ros05b].

B [CML^+18, Red99].

B-Spline [Red99].

Backprojector [DHHR19, EH18].

Backscattering [TBKF14].

Backward [BM17a, BGS17, BPR16, BRR18, CKOR16, DP16, GGL07, GM11, HL13, Kas95, MO10, MT06, PS02, ZCP06, ZFZ14].

Backward-Facing [GM11].

Balance [BLMR02, KW10b, SSB08, PSB^+06].

Balanced [ABB^+04, BKS16a, BM008, BL05, CC08, CK15, DRFNP07, GdLP^+18, HSS08, KPS19b, LXL11, PN19, TTK16, Gos12b].

Balancing [BMP14, BPR16, BO17, Bas98, Ben01, BH19, GPTV15, KR12a, NV05, Ten98, WCO0, ZT17].

Balanch [LLZ09].

Banach [YZ05].

Band [BF01, DJP00, GG09, Wil09, CN03, CT94].

Band-Limited [GG09].

Band-Toeplitz [CT94].

Band [LAN18, LNC05, MKSG10, PS18, BW93, Lan93, Tre93].

Bandlimited [BR14].

Bands [GT98].

Barotropic [CDF18a].

Barrier [MM^+16, KM18, Lu95, ZK14c].

Barriers [MJR05].

Barycentric [AH18, BHK14, FNTB18, SV13, WTG12].

Based [ACVZ12, AGI10, AGSS19, AMM^+11, ADVC00, ABC^+14, AKA13b, ALLK15, AHT12, ALMR17, AT19, AB08b, AB^+17, AWA^+18, ADH99, ATK12, ACF09, ADLW19, BQ008, BF01, BCR11, Bar12a, BMAK19, BS16a, BB08a, BOF16, BN98b, BzCS11, BSS09, BSSW13, BO06, BW11, BC09a, BPS13a, Ber00a, Ber98b, BL14, BDIV05, BI09, BHST08, BCC08, BS05f, BZ15, BT11, BCF^+00, BTGH12, BGL06b, BH17, BGMW17, CCM05, CL11, CDBH16, CHV^+18, CFP^+17, CB08, CHR02, CEJ^+10, CBG12, CV07, CKD13, ÇAK11, CD13, CGM99, CMM00, CC03, CXXZ18, CL18c, CBS00, ICCVEK17, CJK10, CBF17, CDN16, CSW14, Dk00, DMBB10, Doh03,
DPW19, DHP17, DGB15a, EHS+05, EOZ94, EOVO5, EN08, EK14, FO08, FWA+11, Fra98, FV01, FN94, FM07, FM99, FKK+14, FGH+08, GVP06, GHHK15, GL18, GLS13, GC16a]. Based [GLQ16, GY05, GS00, GBD10, GCD18, GT19, GHS+09, GMPZ06, HKYY16, HKF+13, HH13, HKR13, HS06c, HTW+12, Hof04, HLZ19, HR99c, HJMS07, ILW17, ILK05, JKKM01, JMNS16, JS10, JV01, Jou94, JGZ06, JK00, KKP14, KH14, KB08, KMW15, KA95, KM97, KMR01, KHE07, KKT19, Kra08, KPB17, Lan98, LLHF13, LS95, LZ17a, LFB13, LNP15, LN17, LM08, LT09, LX14, LFJS14, LJ17, LLL08, LL08, LJS95, LLYC17, LKVW10, LFBOO8, LZ04, MFJ19, MOSS17, MR18, MMRS19, MO00, MCB18, MO10, MR18, MFGP18, MWY17, MSH98, MN08, NDXS11, NMW11, NK13, NS03, NRSD18, Not12, OS14, PKR+13, PQOB14, Pic03, Pla98, PMSBI2, Rad16, RBH06, RG98, RSW10, RNR13, RS13, RLM+00, RAT18, ST16a, Sco17, Sh12, SM18, SP16, SZP19, SSF16, SU15, Ste00, SL09b]. Based [TLN14, TW13b, TAY+19, Til15, TY15, VMM13, VO19, VW94, WWY09, WZET13, WDG+18, WNC08, WYGZ10, WZSL12, XBC96, YJ13, YBYH15, Yan19, YC99, Yu01, YSZ14, ZBFN17, Zha97, ZCZ04, dIRR19, ABS06, BST08, BBSW15, CMV97, DHO12, FFS07, GKM+17, Jam96, MOKS12, NP96, Pir16, RR98, ZDZ18, ZZ18, GMM15, HS6d, GS14]. Bases [CW16a, SLC01, TW03, ABCR93]. Basis [AB17, AD15, BKGV16, BK16, BN98b, BLB00, BEEM18, Bla97, BM00, CW16b, CD89, CHMR10, CBNO2, DDMQ18, DFS17, Ded10, DP07, DFQ14, DHO12, EPR10, EF15, FM12, FP07, FLF11, Gar00, GV12, GD07, HSZ12, JK10, JK15, JP16, KKS13, KR06, KP10, KL13b, LLHF13, LSH17, LQR12, LW19a, LSW17, MR04, MS13, NRMQ13, OS14, OS15, Ong97, Pir16, PS10b, PSS17, QGVW17, Ros05a, VP14, VW98, WDG+18, WSK99, WRS08, YH19, Yan14, Yan18, vdBFO8]. Basis/Empirical [BEEM18]. Batch [WRB+15, CC96]. Bayesian [BJW18a]. Bayesian [APSG14, APSG16, AS18, AWA+18, BCP15, BTGH12, BTGMS13, DKM14a, BCR14, CS17, FL18, FWA+11, Hei13, HCHS13, HFL+16, JKLZ18, LM14a, LW14, MFSY19, PM514, Rei13, SCC+15, SCW+17, VBA18, WBS+17, WBGT18, YG15, YGCP96]. Bayesian-validated [YGCP96]. Bases [CW16a, SLC01, TW03, ABCR93]. Benchmark [Nie16]. Bend [LFWP08]. Bending [DZO9, LO19]. Benefits [MRV06]. Bermudan [ZK14c]. Bernoulli [KGT07]. Bernstein [AAD11, Ain14, CW16b, CW17]. Best [Bal00]. Best [ABD+17, AE95, GKN12, SRS12]. Better [CAB04, D'AO0, Dau98, JK08, KUH96]. Between [ABLM19, BBK06, GP06, PM15, GJ07, Gro02, KZ16, RL18]. Beyond [KXS18]. Bezier [CW16b, AAD11, Ain14, AS16, CW17, DP07]. BFBT [RS17]. BGK [AKM14b, CL10, DY06, DS89, KQW04, Xu04]. BGK-Type [KQW04]. Bi [GJ17, PM03, CGS+94, Zha97]. Bi-CG [Zha97]. Bi-CGSTAB [CGS+94]. Bi-Gaussian [PM03]. Bi-Lanczos [GJ17]. BiCG [AdSGC12]. BiCGSTAB [Gut93, ABdIF5, YC99, SvG10a]. Bicharacteristic [Roe98]. BiCOR [CJH11]. bicubic [Bia94, BR95]. Bidiagonalization [BR05a, GH15a, JN10, SZ00]. BiDirectional [ZNS16]. Bidomain [CS18a,
DG16, DWQY19, GY17, Kea97.

**Bound-Constrained** [BCL99].

**Bound-Preserving** [DWQY19, GY17].

**Boundaries** [Lay06, LL97, LXS+08, NP08, PP97, VB07, TR93].

**Boundary** [AAAH+19, ABLS05, AHZ17, AA00, AFF+15, AP97, ABK11, AP12, AS94, AC95, ADM+15, BHG14, BCR11, BH00b, BHV05, BBSW15, Bar14, BWV15, BSSW13, BH12, Ber98a, BK06, BM01b, BBS19, BF95, BT13, BCH12, BIS00, BTT13, Bru18, BKS98, BOPGF06, BG04, CDBH16, CGG14a, Car07, CGAD95, CP03a, CGZ99, Che98, CH08b, Coa12, CS12, CBF17, DB98, DD13, Der08, DKS19, Dor10, DHE13, DK03, DKM14b, Dur16, EO15, EO16a, EJ98, EN16, EM96, EM99, ES17, EN08, FGMP13, FGMP14a, FGMP14b, FJ99, FQS13, FS02, For06, Fr012, GCS09, Gär09, GI09, GY06, Giv12, GKS98, GPK04, HG02, HHT03, HS05b, HM14, HT16, HO96b, HW09, HI18, IM09, JL03, JL05a, JP01, KB09, KP06a, KL10, KLY05, KC16, KP05, KP06b, KW13, KTG07, LS99].

**Boundary-Element** [Nat98].

**Boundary-Value** [ABLS05, BIYS00, Der08, CS12].

**Bounded** [BHNP07, Ber00b, DW15b, GM17, Gär09, GJH94, HS06d, NS06, Nor07].

**Bounded-Obstacle** [NS06].

**Bounded** [KOSB16, KTSS19, SB05, Wi09].

**Bounds** [BG17, Bre00, Cab94, CHMR10, DM16, GH15a, GCS19, GvdV17, GSS00, KK13, LQX14, Mön08, MRL+17, PS02, PDH09, SBP04, TBO10, Van00, Yan18].

**Boussinesq** [LRD+04, HHSW11, MCLN94, Yan14].

**Box** [JK07, KSD10, MMS05, BH12].

**Box-Constrained** [KSD10].

**BoxLib** [ZAD+16].

**BPCONT** [Der08].

**Brain** [DMM+16, HDB08].

**Branch** [Der08, Kea97].

**Branching** [ABLM19, PK+13, RDP08].

**Bridging** [ABL19, PKR+13, RDP08].

**Bridging** [VPP05].

**Bristle** [AFM15].

**Broadband** [ERSZ17].

**Brownian** [CL03, DMR17, HT16].

**Broyden** [Anj93, Jar19, YDF97, vNLB04].

**BSDEs** [GLSTV16, RO15b].

**Bubble** [TKW08].

**Bubbles** [HY10, dVL10].

**Buckling** [HLP08, LCH99].

**Burgers** [BH07, DMM05, Egl06, GKK00, HGB+19].

**Bursting** [Sma01].

**Butterfly** [KM12, LY17, PDMY14, Yin09].

**Bypassing** [Pir16].
Capillary [LV98, PV94, PV95].
Card [KSM18, SCS04].
Capture [BJ01, WL04, Wan04].
Carbon [JP14, LW14].
Card [Gre03].
Cardiac [BFSN08, CW04].
Cardiovascular [PVV11].
Cards [LSN17].
Carlo-Based [CKXZ18].
Carreau [Lee14].
Cartesian [ABCM97, BGOD08, CH09a, DFQ14, HG02, ILK05, KW11, WWM03, WM11].
Cascade [Yiu95].
Cases [YZ07, YZ08].
Casing [PDTVM08].
Cauchy [BMSV97, DMM19, KO99, LCD14, TY08].
Cauchy-Like [KO99].
Causal [CCV14].
caused [AGC96].
Cavitation [SRW+18].
Cavity [BS05b, LAG14, LRd+04, TV11].
CCCG [CB98].
CDG [PP08a].
Celatus [Gia18].
Cell [ADK+98, ACC13, BMSV97, CB17, FEM08, GTK+17, Gob08, KC15, Kwa99, MAB007, MCT+05, MS98, MCV17, NMW11, Q505a, TKCC13, VR16, ZLY+18, Gre93, WMC11].
Cell-Based [CB17].
Cell-Centered [ADK+98, FEM08, Kwa99, MAB007].
Cells [Ste11, Ush01].
Center [ANP00, ADK+98, FEM08, Kwa99, MAB007, VHR10].
Central [BT06, BPR99, BL03c, BL05, CPRR12, DBSR17, JT98, Kup98, Kup01, KLO0a, KNP01, KPP07, KP09b, KP17, Ld12, LPR00, LPR02, LNS206, LLLX16, LN03, LT00, MV09, PPR05, Pup03, TCZC19, TKK16].
Central-Difference [Kup01].
Central-Upwind [KNP01, KPP07, KP09b, KP17].
Centrifuge [SCS04].
Centroidal [BGL06b, DGJ03, DW05b, JGZ06].
Certain [BGL06a, EJJO8, FFS07, IM98, VK15].
Certificate [Yan18].
Certified [BKG16, CMR10, EKR10, GV12, HSZ12, KP10, QGWV17, Yan14].
CFD [Ema10, HML+04].
CFL [CKQ14, WL01].
CFL-Free [WL01].
CFL-Free [WL01].
Chain [BBP07, CBKT16, EHL06, Kus97].
Chains [BBB+11, BKS16b, CE17, CPR11, Day98, DS00, DMM+08, DMM+10b, DMSW10, DMM+10a, GaP08, KTS91, SBM07, TY11].
Challenge [EMM+99].
Challenges [DNP+04].
Challenging [LO03].
Change [PP12a].
Changed [ZK14c].
Changing [BCF01].
Changing-Chart [BCF01].
Channel [Hau96, KWW13, VS03].
Chaos [BDW11, CGJX15, DGS08, DNP+04, FUB18, FEL18, GI17, JNZ17, LK04, PSDF12, SG04, SD10, SM15, WK06, WB08b, XK02, ZCK12, ZRTK12].
Chaotic [CD06, XYZ05].
Characteristic [AH06, AW11, BMV05, DBC13, EAS08, EAS11, GC16a, MB02, OGO13, SSH06, GOS12b].
Characteristic-Based [GC16a].
Characteristics [BBT19, CLK18, WMSG09, YVB98].
Characterization [LM14b, LNA+11].
Characterizations [SVX15].
Charge [Ama98, LNZ19a, LNZ19b].
Charge-Conservative [LNZ19a, LNZ19b].
Charged [AE18].
Chart [BCF01].
Cheap [BO05, TP99].
Chebfun [HT17, RT11, TT13, WJMT15].
Chebyshev [AC08, AD18a, AD19, BS98, BK10, DS95b, DS97, FP14, GMP19, HT14b, HMAS17, HP14, Jac03, LV94, MR02, PCDB96, She95,
Collisional [AE18]. Collocation
[AS94, AC95, BF95, BFK03, BFK05, BF06, 
BK10, Bjo95, BvW09, CDC19, DS97, Du16, 
ES18a, ELtHR00, EM99, FF15, GM14a, 
GNZC17, KNN12, KV05, KZK17, 
KHRvBW13, Lay03, MT19b, NX12, NJ14, 
NGX14, PCFN16, Sun95, TT06, TV98b, 
WSZ14, WY09, WI12a, WI12b, XZB11, 
XH05, YG15, YSX17, Bia94, BR95, 
DS95b, HHRV93, PM95, PCDB96].
Color [FNB06]. Colored [GZ19]. Coloring
[BtVC¸G10, GTMP07, JP93]. Column
[DG17b, GCD18, MOHvdG17, QOSB98].
Columns [HNR17]. Combination
[HHLS15, Hun95, WZSL12]. Combinations
[OK13]. Combinatorial [IMS96, WH09].
Combined [BGN07, DY06, MF06, dDBV14].
Combining [AEFM17, AdSK19, BJW18a, 
CDGS05, FT03, HVK18, HKC04].
Combustion [HS16]. Common [Gro02].
Communicability [AB16b]. Communication
[BDHS10, BSH16, BFG+16, BT97, BBG+19, 
CKD13, Cas97, DGHL12, Den97b, DFDM19, 
GAMV13, GM15a, KV13, SA97, UA04].
Communication-Cost [UA04].
Communication-Efficient [BBG19].
Communication-optimal [BDHS10, DGHL12].
Community [KPPS14, ZLWZ18]. Commutators
[EHS+05]. Compact [BDK12, DGLW16, GB12, 
GCB15, GW04b, GM04, Huc08, KS94, 
LSW17, LPR00, LMT18, PT08, QNNZ19, 
SC98, TAHR15, WD+18, XAW17, ZzSpH14, 
Pel93, PP08a].
Compact-WENO [DGLW16, WDG+18].
Compactly [Pla15]. Companion [AVW13].
Comparative [AC95, BBKK97, CFKM18, 
GRT05, LL00, LZ04, Ros05b, GMSB16].
Comparison [AC05, CW15, DS00, 
DDGS16, GK11a, INS05, KTB14, KW18, 
LMM17, LW03, NV05, Q505a, RU01, 
TAY+19, WE06, ZW03, Zin00, ST94].
Comparisons [Elt96, GZ19, KP11].
Compatibility [AGK18]. Compatible
[BHST08, BF10, BCK+18, GP99, MNP07].
Compensation [MOKS12]. Competitive
[Boz09]. Compiler [HMLH18].
Complement [AM04, AL99a, AH04, BBKK97, 
BOR97, BS96b, BKS13, BGL06b, CCG14a, 
CMM95, DH10, DJT08, Du11, GM14b, Har11, 
HM+04, HGZ17, IP06, Kir14, KC16, LS09, 
MF06, MO08, Nat98, SY14, SMR16, SXX17, 
SAE10, TW03, ABCM97, Gut93, LV94].
Complex [AGH13, Bre96, Yav93]. Component
[GG05, GH14, HM10a, LMPQ03, Mu99, 
Par17, PP12a, PRSS11, SP03, SR09, 
XBC96, ZCW10, Pet93]. Composite-Grid
[LMP03]. Composites [TG04].
Composition
[BzCS11, FB95, HTH+16, OW02]. Componentwise
[FKQ17, Van00]. Composite [AGH13, C96, CKXZ18, 
EIL+09, GM14a, HM10a, LMP03, Mu99, 
Par17, PP12a, PRSS11, SP03, SR09, 
XBC96, ZCW10, Pet93]. Compress
[SO18]. Compressed [Ash95, DFG15,
KMSM14, SSVW17, YLHX15].

Compressible [ACL09, CD01, DSB99, DDGS16, DL17, Egg18, Ein19, GY17, Hes98, HC95, LD12, Le01, LD05, LXS+08, MABO07, PCFN16, PM15, RHSK11, SA99, WLK06, YC14, HG96, Hes97].

Compressing [Mar16]. Compression [AKW17, ATWK19a, ATWK19b, BWB19, Bör99, CGMR05, DFH+19, GLL01, LN03, SYZO15, WG12]. Compressive [AK15, HJLZ18, YZ11]. Computation [ADLR15, AP01, AHHR16, AVW13, Bal00, BS96a, BS05e, BAFF00, BM18, BL04b, BSV19, BMF12, Bog14, BrvCG+10, BBK06, BDFMFL04, CDY07a, CFSZ08, CPT05, CBCR14, CV98, CJ99, DP17, DL17, DLP05, DGP18, Drm97, DGK98, EL01, ELtHR00, Fli13, FB19, FDVF07, GH13, GSS12, GS12, GKM+17, GST12, GST19, GJ99, Gub96, GD03, HT13a, HLLS15, HAG17, Hof05, HS18, HKM97, HK02, IBM01, Inv02, ISS06, JLY08, JM18, KB96, Lab05, LLHF13, LS94, LX12, LR97, LH00, LCH99, Lui97, MH16, ML11, NP14, PKG13, RO15b, Sch10, Sei95, SL09a, SWT00, VBA18, WW17, WT01, XLS18, ZLCB03, ZZ18, ZLY+18, vVKA11, AD96, BZ93, Tsy97, WM93].

Computational [APS12, AHT12, BB17, BBP13, BS04, BCG+10, BWZ10, BTKGMS13, CHH19, CC98, CHL06, DMM+16, DTT+16, EHW00, EMT09, GGLT00, GM14b, GK05, JHJ12, JK08, Koo09, Kra08, LCR+16, MW11, NK15, PMSG14, PDE+17, Rav05, Ros97, SD10, Ste00, TGS08, TCCK18, Tsy99, TAH15, Wan07b, Wan07a, WMSG09, Zin14, AP93].

Computationally [DFN12].

Computations [BK07, BP97b, CS94, CX08, CSW10, Dui98, Fu03, FLF11, GTK+17, GH07, GCB04, HL95, HJ19, JR06, LKVW10, MCL19, MRL+17, Nat98, Nie16, OSCE00, Pek12, SW03, TW96, WRS17, ZCW10, OA93].

Compute [Che16, KR17, TW95].

Computed [HAN19]. Computer [CGD11, GV15, HKC+04, HTH+16, vHCCD15, MH95, YGCP96]. Computers [BDD+97, HKRO2, HW94, Goe97, NP93b].

Computing [AEFM17, AS16, AMH11, AMHR13, AMHR15, AM18, ABB09, ADL+12, AC098, ADF+19, AT15, AMB+94, BD03, BCT07, BFKY11, BD04, BL08a, BLS09, BMTX13, BM12, BMF12, BS96b, BGSV15, BGR16, Brui18, CCQ16, CAS11, CHJ16, CC18, DR93a, DLY17, DDF00, FMRM19, FGL09, FMYT16, FGM95, GH15b, GWMG03, GTMP07, GMvdV19, GST09, GGLT10, GSR19, GE96, GM96, GM00b, Gug16, HNS08, HV01, HK17, HHL15, JN10, JED10, JW05, JP11, KV96, KVM99, KVM05, KPCA12, Kei09, LCN14, LR10, LSU11, LL11, LWZ13, LT12, LR98, MV00, Man99, MV16, MB09, MW01, MG12, NH18, OKdSG17, PP97, Pet93, PSLG14, PK19, RL18, RM08a, Ros15, RX18, SIDR15, SBP04, SBM07, SS03, SXY17, SO10, DH16, Str93, Swa02, TS11, TV98a, TW16, VMV15, VK15, Wan97].

Computing [Wat98, WTW17, WTS94, WkZ15, WS15, XIS16, YZ07, YZ08, Zha96, ten95, DS95b, RST93, Tre93]. Concave [LNS96, NNT13]. Concentrating [LL02].

Concentrations [JW05]. Concept [SNB16]. Concepts [GW00, vD03].

Concrete [CST16]. Condensate [BH08].

Condensates [BD04, BS05c, BL08a, BLS09, BMTX13].

Condensation [DKL+19, SP16, VP14].

Condition [AMHR13, AGK18, BH00b, BCH12, BHP98, CCG14a, GH15a, HLLM15, HR14, KR17, KL15, KL94, KLR98, LXS10, SV08b, SV11, WL04, Wan04, Win06].

Conditioned [BS07, CH17, CCS98, Du16, MF19, PS01, WJS14, Di95].

Conditioning [BBC07, KR00, SBC93].

Conditions
[AHZ17, ABK11, BHV05, BMDO16, BBS19, 
BK18, BTT13, BG04, CH08b, Coa12, Dor10, 
EO15, EO16a, FJ99, FDS13, Fro12, HG02, 
HHT03, Her08, LRD +04, LZZ18, LP03, 
LS02, MRS04, Mal07, NCT99, NV08, Pat97, 
QX08, RK07, RMD08, RSSZ08, Sch09, SC03, 
SD11, TWA02, Tsy99, Ush01, Vil09, 
WMHK19, WX17, XX05, 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, Ben13, Ben17, Tum10, 
TBC +11, Vas05, Yav19, vdV01, vdVDE +02, 
vdVDE +03].

Configuration

[CL03].

Configurations

[ACK19].

Conformal

[Ama98, DP98, DV98, HQR19, HT09, ISW18, 
Nas09, NAS13, Por01, SO15, WK18, CDH97].

Conformation

[BTY08].

Conformational

[MTM08].

Conforming

[DDF00].

Connection

[GSS12, BP97b].

Connections

[BV97].

Connectivity

[BM11].

Conquer

[HLD12, KMR19, LT09, LS13b, NH13, TD99, 
VXCB16, VDT12, LL93].

Conservation

[AB02, AD06, AGH00, BLMR02, BF16, 
BBSW94, BPR99, BG13, BSN08, CHR02, 
CGV18, CW13, CW14, CW16c, CLL13, 
yCWJH12, CK94, Dk00, DMM05, 
DGLW16, DS16, DRSR17, DB07, FMR06, 
FK19, GR05a, GB12, GMS02, HH02, 
HBL05, HLM+09, ISS19, JT98, JSZ13, 
KL00a, KN01, KPP07, KPW17, LPR00, 
LPR02, LLLX16, LD16, LN03, Mar94, 
NMAB11, PPR05, PRPS19, QS18, QS08b, 
SL11, ST17a, Sem10, SMR01, SJD14, TW12, 
Tor12, TLE12, TW95, VS03, WDG +18, 
YHQ12, ZQ17, dLRT09, BH97, Pem93].

Conservative

[AHH12, AHR12, AS05, 
BOB±19, BBT19, CH94, yCWHJ12, DS16, 
Egg18, EL19, GBC10, GJ07, LLW16, 
LW16, LNZ19a, LNZ19b, NH14, PPRS19, 
PM15, Rei18, RG09, SL09b, YY11].

Conserving

[AH06, CL97, DG09, HLMM06, 
LW12a, MKRK13, vSRV11].

Considerations

[CC98, FK97, Moo00].

Considered

[Gr94].

Consistency

[Lu95, NP08].

Consistent

[BPR04, BHP98, BJW18a, Dor98, HSWW08, 
LY13, MKWG15, PAA18, Sha12, TKCC13, 
WMU13].

Consistently

[BBGS04].

Consolidation

[BRBT12, LMW17].

Constant

[ABT13, BGK15, Brut18, 
DZSN09, FGMP13, FGMP14a, FGMP14b, 
HCR13, Ren15, SL09b, VMV15, vdDA12].

Constant-Coefficient

[FGMP13, FGMP14a, FGMP14b].

Constituted

[LXK08].

Constrained

[AV14, AEMM16, AOR18, BV03, BLR99, 
BPS13b, BG05a, BG05b, BU15, BCL99, 
BLNZ95, CKXZ18, CLTX15, CK94, Doh03, 
DS17, DGJ03, EN16, FCC10, GU17, GHN01, 
GV07b, GKL08, Haz08b, HRT13, HD15, 
Jay98, KB08, KP12a, KS94, KSD10, KP12b, 
LCH09, LST07, MH17, MGG19, MB17, 
MGDB19, NWY10, PFW18, PR09, PBC05, 
PC07, QGVW17, RP01, RDW10, Ros06b, 
SWW08, Vas10, YMW07, YHC16, YP98, 
AE95, AP93, Dax93, GHKS14, KHRvBW14, 
SB15, PST15].

Constrained-Transport

[HRT13].

Constraint

[CR04, CLS16, CW06, Chr09, DW05a, 
KLT16, Le01, RP01, dSL05].

Constraints

[AB08a, BKGV16, BPM14, BL07b, BIYS00, 
BL08b, BHM19, CGR14, CJY16, GLxY19, 
GRMS09, HS06b, HJL+19, HGZ17, KM11, 
KNV+16, LX14, wLxY00, MMVV13, Ob13, 
...]
PRM97, PMSB12, RCC18, TP09, TCCK18, WBF09a, ZT17, dVPS+17, DR93a.

Construct [BJW18a]. Constructed [BS05f, PS01]. Constructing [BT19, CKN06, JK08, NX13, SD10, Wan07b].

Construction [Abg09, AMN15, AA00, ACK19, BM10a, BM10b, Bör99, BTK19, BT16, DD00, FV01, GCG+19, GS02a, Joe93, Joe95, LM14a, MV06, NXDS11, PGW17, SY18, SV03, SH01, SLC01, SSB08].

Constructions [NJ14]. Contact [CSW99, CHH01, HSWW08, HSW08, KO05, Kra09, PWGW12, WL97, WK03, YY18, YSK19].

contacts [LP06]. Context [CRS+18, GKT09, ten95]. Contingent [LCD18].

Continuation [BDF08, Bn18, CCJ07, CKK03, Der08, GKD05, HSW16, Kue12, LS13a, LZ99a, LM97, LC05b, Lui97, Lyo11, RAB+14, SSH06, WYGZ10, vNL04, LL93].

Continuing [DDF00]. Continuity [CM09, CDPC13]. Continuous [ACK19, BB13, BS95, BT04, BB08b, BV00, BG13, CE17, EZ11, FEM08, GS90a, GSY17, HM10a, HH13, Kim08, KW18, KS14, KK16, KTSB19, MMT15, MS18b, SL09b, SW10b, TSK09, YW17, BS94].

Continuous-Discontinuous [BB13].

Continuous-Time [KK16, KTSB19].

Continuous-Wave [BS95]. Continuously [GX16a]. Continuum [OZ16, Sha12, WLLZ18, XJBS12]. Contour [HW15, Sch94, iW11].

Contraction [HBC97, HMvdG18, Mat18]. Contrast [EIL+09, HTH+16]. Control [AS16, ATWK19b, AFS19, AFOQ19, Aru12, BKG16, BBH18, Ber98a, BH11, Ber95b, BG05b, BK00b, BKO2, BH08, BvW09, CP04, CGL14, CF00, CP03a, CK03, CP07, CPT05, CK98, CBDW15, CH101, Ded10, DZSN09, DZ12, DMBB10, EN16, EM96, EHW00, EMT09, FL02, GSP95, GM11, GS97, HS05a, HS12, HN06, HHW00, HR99b, IR98, KB18, KB08, KLS+15, KL12, KW10a, Kul12, KW15, Kus97, LPSB17, LV07, LU17, LLX15, LM14c, MSS10, MRW15, MP08, NRMQ13, OPRB06, OS15, PBP14, PS13, PST15, Rav05, RW11, RW13, RL13, RW06, SMN10, SBRM18, SRW+18, TUV10, Wan07a, WG12, Yiu95, ZWH+14, ZFwCW15, vWBV09].

Controllability [NMS06]. Controlled [vLH14]. Controllers [AK04, Rav02].

Controlling [Rub12, ZSD+10]. Controls [GXY15, HJ18b]. Converged [IR98].

Convection [ABR17, Ber95b, BBR+15, BDK12, BKS98, CLK18, CKV09, CDF+09, DMS01, DTM00, DMR19, FMF98, GR05a, GKV00, GB06b, GV98, HR09a, Hei96, HY10, JX13, KGM+08, KGM+11, Ko09, KL00a, LE10, LP96, LMR89, LRD+04, LS05b, Lu95, MZ19, Not12, Pol16, TUV10, WE09, WE06, XQX15, ZLS12]. Convection-Diffusion [BBM+15, BDK12, BKS98, CKV09, CDF+09, DMS01, DTM00, DMR19, FMF98, GKV00, GB06b, GV98, KGM+08, KGM+11, KL00a, LP96, LMR89, LS05b, Lu95, MZ19, Not12, TUV10, WE09, XQX15, ZLS12]. Convection-Diffusion-Reaction [ABR17, CDF+09, DMR19].

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

Convective [HHT03]. Convective [Lt04].

Convergent [ABF96, BK04, BVW03, BJW18b, CDH98, CH02, CK19, CL18c, DH95, DKP17, EH18, FS02, FP14, GJS19, GGL07, GL18, GK11b, HHSW11, HBS00, IM97, Ko09, LZ02, LNZ19a, LS05b, MS19, MW03, NN12, Q508b, Red99, Ros05a, SO15, Son12, SLC01, VL10, Vi09, WMS09, WZ15, WX17, vWY00, BY93, HLS93, L993]. Convergent [Abg09, BB10, BK08, BM01a, HO18, LWZ17, NN19, Ros96, TBKF14, WTY18, XK08, YSK19]. Conversion [CC11].

Convex [AP01, BV03, FKQ17, GNPT18, KY19a, LNS96, LT18, MK06, OK13, SCD+10, TV98a]. Convex/Concave [LNS96]. Convexification [GPZ17, X08].
Convexity [LR99, Obe13].
Convexity-Preserving [LR99].
Convolution
[ARM19, Ban10, BSS17, DD13, GT06, GJZ18, HT14a, HS06d, JZ17, KKT13, LFLS08, LS02, PGLD96, RO15a, RWA95, SLFL06, WX17, XAW17, XL18, ZW03].
Convolution-Diffusion [GT06].
Convolution-in-Time [DD13].
Convolutions [AT19, BR11].
Coordinate [CWY17, DZ12, DFDM19, DR13, MB13, MHS98, PXYY16, QZZ14, YPN01].
Coordinate-Stretching [DR13].
Coordinate-Update [CWY17].
Coordinates [BMTZ13, BN00, CDF18a, CM98c, HK02, LWCL03, QDKW18].
Coordinatewise [LLW19].
Copper [Ben13, Ben15, Ben17, Tum10, Tum11, Vas05, Yav01, vdV01, vdVDE02, vdVDE03, Vas07].
Core [ADL12, GKN18, Ros96, RS99, RTR16, AGL10].
Cores [ROM18].
Corner [CKS01, DP07, LTC13, SL09a].
Corners [EO16b].
Corotational [HSWW08].
Correct [Pat97, ZH09].
Corrected [AW11, BMV13, DR13, RWW14, Str95].
Correcting [SX16a].
Correction [BQR18, CMM95, CC18, DH95, DL17, FTY15, GXY15, Hei96, HXX18, HiH18, JLZ17, KSU14, LHR18, OZ16, SZ06, VC00, Wu18, Yav98, LK03].
Correction-Type [CMM95].
Corrections [CWX15, HO96b, RS16, SAB14].
Corrector [RC06].
Correlated [BzCS11, Hei13, HTH16, KY19a, OVV17, SM19].
Correlation [ABTZ14, LDC18].
Correlations [BBBV13].
Correspondence [WK18].
Corrupted [HLZ13, MRL17, ZY09].
Corruption [SX16a].
Corruptions [HN19].
CORS [CJH11].
Cosine
[AMHR15, FO08, LCA08, RO12, RO15a].
Cosmic [SCM10].
Cosmological [RF10].
Cost [CDPC13, RMC12, SE13, TWK18, UA04, WMSG09].
Cost/Reliability [SE13].
Costs [BSH16].
Couette [Kup98].
Coulomb [CHH01, GGM01, HSW08].
Coulombic [HA17].
Counting [KPP14].
Coupled [AFF15, AK12, BF01, BBGS13, BG07, BKF19, CLS16, FHFR19, FN94, FC19, HKD13, HSSZ09, KLJ10, LS17, LS17, LRGO17, MB19, RWWK14, RWWK15, SMZ18, WH13, ZFZ14].
Coupling [ACL09, ACF09, BFC13, BCM15a, BK18, BJK16, BKBT18, CHY18, CSS12, CDN16, DL17, DFW19, ES17, FGS14, GH02, GJ07, Her08, HQH16, KCZ15, KW16, KNY16, LQR12, LKX08, MNK10, ORST12, PM15, Sha12, TK13, VY09, WLLZ18, DSN5a].
Couplings [CCCZ10].
Covariance [BESS19, DN97, FB95, NRSD18, TTY16].
Covariances [CAB04, GLS08].
Cover [GS02a, HLZ19].
Covering [Wan13].
Covolume [CKV99, CMS06].
CP [VMV15].
CPU [BBD18, HEGH14, YTD15].
CR [GT94].
Crack [AFMP15, BCC16].
Cracks [AKL10, JLZ16a, OD17].
Crank [LPP09, Mu97, Tie18, WRS18].
Criteria [AGL13, BHvST14, BR05b, Don06, EV13, FS08, GCG19, INS05, JSV10, SRI18, WI12a].
Criterion [CMM95, GL03].
Critical
[BHW99, KM05, L01, L02, YZ05].
Criticality [HHM17, Zas95].
Cross [BLS14, DV98, GKS15, KL15, RO15a, VO19, WE13, W094a, ZWH14].
Cross-Entropy [WE13, ZWH14].
Cross-Ratios [DV98].
Cross-Valued [SO19].
Crossing [JG2].
Crossings [BG11].
Crosswind [WX99].
Crow [LSC03].
Crowding [Ban08b].
Crystal [AAB15a, AEMM16, CS94, Fil13, GX16b, HLM16, PV15, RG13].
Crystals [CS94, CYZ17, MMRN15, RS00, ZYLW16].
CSE [DJM16].
CSP [HG98].
Cub [AB08b].
Cub-Octahedron [AB08b].
Cubature [CZ13].
Cube [BHW99, CD15a, GMS16].

D [ACD+08b, BWV15, BH97, BI09, BK14, BIA99, BL08, BLP06, BLP08, BMV97, CP13, CML+12, CCM18, CH11, Don06, FMW19, GH13, GV16, GD03, HA01, KW07, KA18, KP06a, KC16, Kru09, KNV+16, LR07, LS12b, LFJS14, LYL+11, LW03, Min02, NN03, PATF19, PS10b, PWGW12, PELY13, PRSS11, RL18, RH06, Sma01, VB07, ZNZ16, ZND18, ZCW10, vVKA11]. DAE [CLPS03]. DAES [Bar05, ABST13, AL97, SBS98]. DAGs [HRS10]. Damage [BA05]. Damped [BV09, EKLS+18]. Damping [EDGL12, Ko19, WWJ12]. Dantzig [WY12]. Daphnia [BGSV15]. Darcy [EZ11, ACL09, AHT17, BT13, CDF18b, CLS16, GHMY18, HLLM15, LTM18, VY09, XZ10]. Darcy-Flux [EZ11]. Darwin [LM15]. Data [ABKS16, ATW19a, ATW19b, AVBTG17, ACLZ15, AKM+14a, BDS98, BL03a, BLS06, BG10, BB08a, BzCS11, Ber00b, Bör09, BZ07, BGR16, BFI07, CBHB19, CPT05, CH09b, CKN08, CE17, DGS08, DJM16, DG17a, DFH+19, DMM18, DMM19, DZ13, EPSU09, FS12, FS13, GLS08, GS12, GPA18, GH14, GMPZ06, HMST11, HHS+16, HW99, HKC+04, HC18, Höst94, IS17, IA14, ILW17, JLS16, KTB14, KY14, KLS08, KP05, KHW+14, KP07, LOS07, LMM18, LR99, LNS96, Li99, LZ13b, LS09, LB07, LB08, MZW09, MDC08, NNT13, PS18, PGLD96, PGW17, PVK16, PCL+16, PDC99, PS12, PJ96, RSNN17, RLG98, RDB16, RNR13, SDNL10, SX16a, SKN19, SKJ+13, SX11, SW10b, TP18, T1Z18, TBKF14, TLL15, W109, XMRI18, YC12, YS16, ZCC+16, ZFHS15, DR93b, Gu93]. Data-Assimilation [TZ18]. Data-Bounded [Ber00b]. Data-Driven [CBHB19, GPA18, HC18, IA14, PGW17, XMRI18]. Data-Noise [BG10]. Data-Parallel [CKL98]. Data-Quantitative [ATW19b]. Data-Sparse [BB08a, Bör09, LOS07]. Database [HBJ04]. Datasets [YYWY18]. Daubechies [Jam96]. Daubechies-based [Jam96]. Davey [KR11]. Davidson [AH04, CPS94, FSvdV98b, GSR19, HL10, Hec01, HHLW15, HJ19, NvdP00, RO18, RZTK+15, SSW98]. Davidson-type [NvdP00]. DC [vdDA12]. DCT [ZLBC03]. DD/AMG [BFJ+15]. Dealiased [BR11]. Deblurring [BNP15, BED08, BDR18, CDBH16, CC10, CH08b, DEC05, MO00, NCT99, SO3, WNC08, ZYZ09]. Decay
Decimation [BC13, Gos12b, ZCZ04]. Decoding [AKW17]. Decomposition [ABL05, AK17, ADGP07, AK04, BMP14, BMP16, BO17, BDD+97, BDHS10, BJNN02, BL04a, BFJ+15, BLB00, BCLT15, Bet08, BLP14, BF95, BFK03, BEKM16, BT13, BIA05, BM19, Ca95, CMS94, CD99, CBS00, CCG14b, CGHT14, CML+18a, CML+18b, DU19, De12a, DM13b, DT95, Den97a, Den97b, DW17, DW94, FKK+14, Gar94, GKNW18, GLMN15, GJM94, HM13, HLLM15, HIT19, HN06, HMK14, HS06c, He98, HLR18, HJMS07, IW14, JFG13, JKKM01, JCL07, JS10, KXS18, KU18, Kla98a, KW00, KLR15, Kus97, Lar99, Lee13b, LN17, LPP19, LJ19, IW15, MRS04, MPRW98, Meu01, MR94, Mu95, MZ19, NH13, NRSD18, OT11, Ose11, PS10a, PL12, PK19, QSM19, QSV06, Rav02, RLI18, RGG06, SRM+15, SAY03, ST08, Ste99, TNL14, TS11, VVM12, VMV15, WG00, YCC10]. Decomposition-Based [CBS00, JS10].

Decompositions [CP17, DMM18, Hes94, LWW13, Rah13, RDB16, DH16, VDD19, YR98].

Decoupled [GHMY18, HXZC16, KS14, SRS19, SY14, Ske00]. Decoupling [LC05a, LC08, Sch02, WNC08]. Dedicated [DMD+12]. Dedication [KE14, DG95].

Deconvolution [Bar99, EK14, DG95].

Deficient [PRM97, QOQP99, SCo17, Wan97]. Defined [DP15, MT19a, MFSY19, PHA18, PV08, RL18, RS03, Say15, Zhe07, BGP94].

Definite [BGLY05, BGM13, FEM08, GM17, JFG10, Lan19, MV00, MB99, Ng00, Pla15, SO18, VSS14, Zha96, FS96, FF94]. Deflated [ARMNW10, GGPV10, JvGVS13, Mor02, RF07, SYEG00]. Deflating [SO10].

Deflation [AEMF17, BEPW98, CGL+13, FFB15, HV01, GSO17, HLM16, KR12a, NV05]. Deflation-Based [HV04]. Deformable [ABC08, KRDL18, PRM09, Ros06a].

Deformation [GKT09, MGDB19, PWGW12, YSK19, de99].

Degrees [HHL07, Lin06]. DEIM [SE16, WSH14]. Delaunay [CWL+14, CC06, CC12b, DV98, FCC10, Gar09, HGPM14, Joe93, JGZ06, LC05a, LC08]. Delay [BP97a, BMV05, CJK15a, ELtHR00, HV04, HXB11, HX13, JMM10, Kus00, May08, SSH06, TSK09, WRSZ18, ZCZK14, ZPE12].


Delta [SJD14, Wen08, Wen10]. Deluxe [BPS+14a, ZT17, dVP+17]. Denoising [AKM+14a, CC10, CC03, CMK11, LLZW19, VO96, WNC08, WY13]. Dense [BQR97, BDvdG05, Box97, Che98, CPD17, DB98, FT03, HLD12, HW94, HJS99, Hog13, LXH16, Nat98, PPB13, Rah96, ST17b, ST19, WLX+13, Yan94, L93].

Dependent-Aware [HLS07]. Dependent [PRM97, QOQP99, SCo17, Wan97].

Defined [DPF15, MT19a, MFSY19, PHA18, PV08, RL18, RS03, Say15, Zhe07, BGP94].

Definite [BGLY05, BGM13, FEM08, GM17, JFG10, Lan19, MV00, MB99, Ng00, Pla15, SO18, VSS14, Zha96, FS96, FF94]. Deflated [ARMNW10, GGPV10, JvGVS13, Mor02, RF07, SYEG00]. Deflating [SO10].

Deflation [AEMF17, BEPW98, CGL+13, FFB15, HV01, GSO17, HLM16, KR12a, NV05]. Deflation-Based [HV04]. Deformable [ABC08, KRDL18, PRM09, Ros06a].

Deformation [GKT09, MGDB19, PWGW12, YSK19, de99].

Degrees [HHL07, Lin06]. DEIM [SE16, WSH14]. Delaunay [CWL+14, CC06, CC12b, DV98, FCC10, Gar09, HGPM14, Joe93, JGZ06, LC05a, LC08]. Delay [BP97a, BMV05, CJK15a, ELtHR00, HV04, HXB11, HX13, JMM10, Kus00, May08, SSH06, TSK09, WRSZ18, ZCZK14, ZPE12].


Delta [SJD14, Wen08, Wen10]. Deluxe [BPS+14a, ZT17, dVP+17]. Denoising [AKM+14a, CC10, CC03, CMK11, LLZW19, VO96, WNC08, WY13]. Dense [BQR97, BDvdG05, Box97, Che98, CPD17, DB98, FT03, HLD12, HW94, HJS99, Hog13, LXH16, Nat98, PPB13, Rah96, ST17b, ST19, WLX+13, Yan94, L93].

Dependent-Aware [HLS07]. Dependent [PRM97, QOQP99, SCo17, Wan97].
Dependent/Algebraic 

Detonation
Bre17, BHP98, BHW99, BOPGF06, BB02, BLO07, BDW11, CG18, CG95, CB98, CLPS03, CP04, CZK15a, CZK15b, CZZK16, CCG14a, CJGX15, CCK14b, CMM95, CRV13, DL19, EPR10, EF15, ELhHR00, EM99, FBF15, FGH+08, GASSS98, GK03, GLT18, GB98, GPS95, GRPK19, GW00, HO18, HHs+16, HTMM15, HH13, H98, HLS98, HO94, HO96b, HVW95, HV95, HR95, HHL07, HG00, HV04, HXB11, HXB13, IM99, JL03, K13, KZK17, KLR15, KCB17, KW15, KMRW97, KR12b, LL17, LCH09, LU17, Lee09, LMW15a, LE17, LLS13, LCD18, LN05, LPR98, LJ17, LZ13a, LCH99, MPS18, MR09, MGG19, MGB18, MB00, MPW18, McL95, MT97b, MT06, Mis01, Moo00, MS07e, MTBT17].

Differential [NT18, PRM97, PP12b, PP12c, Pul08, RPK18, RMM00, RF10, RNR16, Rim18, RW06, RWX07, Sch98, Sch05, SE11, SE13, SWX16, SB05, SSH06, TSX17, TSK09, TS14, Vi14, WL08, WMHK19, WH13, WC17, XK02, XH05, XT06, YR12, ZK15, ZMK17, ZTK18, ZTRK14, ZCP06, ZFZ14, ZPE12, ZKV99, Zyg11, bZOW07, AGC96, AH18, Boe93, 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].

Differentiation [ALLK15, BBR04, BV00, CV98, CJ99, GM00b, HBSC97, KLZ+06, LLHF13, LkvBW10, MB00, PT08, XC13, AMB+94, Jam96].

Diffraction [HSSZ09].

Diffuse [FKQS17, JLY08, KsS05, OKdS17, QS14, SkMF15, dSk11].

Diffusion [ADR14, AN17, ABF99, ABR17, And17, AWA+18, AHH12, AKM14b, AM05, Bar12b, BG08, BPR13, BMM+15, BMX18, BDK12, BW01, BKS98, BHK12, BG04, CK17, CNP12, CH08a, CDF18a, CMK11, CD15b, CLST03, CKVV99, CDG+09, CFM96, CE16, CHL16a, CHL16b, DMRR19, DMSC18, EO15, EO16a, EFHL09, EV13, EPSU09, FMYT16, FMM98, FDS13, FDE+06, FHJM19, GW15, GKV00, GH07, GB06b, GT06, GV98, GGS08, GLW18, HG98, HP14, Hen05a, HLT16, IP06, JX13, JLY08, JLZ16b, KGM+08, KGM+11, KBK+08, Kla98a, Kla99, Kna98, KL00a, KL11, LS12a, LP96, LMR98, LR12, LSW17, LM08, LW12b, LS05b, LSV13, Lu95, LX16e, MMR19, MEHL16, MO10, MZ19, MPS09, Not12, PKNS14, PNW16, PWO9, PS08, PS13, PP05, Pol16, PC98, QNNZ19, RC06, RNV17, SBP04, SRS12].

Diffusion-Advection-Reaction [Zbi11].

Diffusion-Reaction [EO15, EO16a, VS04].

Diffusion-Wave [JLY16b].

Diffusions [DMR17, JKLZ18, KOSB16, ZWH+14].

Diffusive [CM09, CILZ15, DRS18, LLP09, JIP09].

Diffusively [BMV13].

Digits [Nik13].

Digraphs [MZW09].

Dilute [KP10].

Dimension [Ain14, AS16, AGK18, BS05a, CM98a, CKLL16, DSRMK17, GBCT10, HC95, IT14, KU18, LYL17, MR07, NG18, PSDF12, Red99, RT99, SvG10a, SD10, WS05, WWH17, ZP18].

Dimension-Independent [CKLL16].

Dimensional [ABC+16, APSG14, AS18, AILP07, AO17, AHR12, AGPR19, Aru12, ASS16, BT06, BBKK97, BBSW94, BP06, BTWG08, BTGSM13, COZ96, CL18b, CHR99, CGS02, tVCAU10, CGV18, CJGX15, CC09, CL95, CGM00b, CST+13, DFS17, DD00, DL19, DSRMK17, DF99, DSZ13, DHZZ18, EdDP09, FCC10, GJ08, GVP06, GKC13, GC19a, GGL+98, GB06b, GT06, GV98, GH14, GC16b, HHMS15, HM98, HJ07, HZXC16, HRT03, HRT13, HC98, HR99c, HSW08, Hun95, Hun96, HGPM14, ISW18, JK07, Joe95.
DJK08, JPO1, KKL19, KL06, KL10, KR06, KS17, KS15a, KPW17, LL98a, Le 09, LP08, LS95, LCA08, Len16, LB15, LY16, Liv08, LD04, Mac98, MV09, MABO07, MXYB16, MMR19, MB13, ML11, MZ94, MMN00, MDC08, NKLW94, NJ14, NS06, NMAB11, OS14, PN13, PKV16, PMR16, Pet99b].

**Dimensional** [PMSG14, PP13, PM15, RRR03, RT01, RW07, RF10, Rim18, RDP08, RO12, Sch02, SWB16, SY10b, SY12, SWX16, SM94, Sma04, Ste16, SJD14, TC99, Tsy99, Ush01, Vil09, VS03, WXK04, WS05, WMC12, WB12, WBTG18, WWM03, WO98, WCHZ14, Wen08, Wen10, WX17, XBC96, Xu04, XW05, Yam02, YHQ12, Yu01, ZzSpH14, bZOW07, vdHCD15, APSG16, Elt96, ED95, Joe93, KT08, RRR05, RR98, Sha12, SWT00, TCZC19, TT13, Tu07, WS07, WDE99, WG18, WLLZ18, XB16, YTLI11, ZF14, ZW19, aKT18, Cai93, EOD93, HHRV93, MSS12, Smi93].

**Directed** [HOU+19]. **Direction** [BF06, CG18, HV96, MO10, NWWY10, NWY11, Sta94, WY12, WY13, YZ11, YYYW18].

**Directions** [CJ95, GT19, FGM95].

**Director** [RG13]. **Dirichlet** [AO17, BK00a, BP06, CCG14a, CS12, EO15, Fli13, HJ18c, JP16, KLO6, KPO5, NXDS11, OK13, OWO14, PMH16, SW16, YCZ13, Zha94].

**Dirichlet-to** [Fli13]. **Dirichlet-to-Neumann** [NXDS11]. **Disaggregation** [KV13, DS96].

**Disappearing** [APZ13]. **Discontinuities** [ALRT17, GB98, GM14b, LS94, RH06, TB02, WL97].

**Discontinuity** [DQ13, IT14, LCH09]. **Discontinuous** [AB17, AM19, AGH13, AFVR19, ACCP13, BB13, BDGK18, BCS11, BBT19, BDK12, BMV11, BKBT18, BG04, CDG17, Cas02, CNP12, CKQ14, CDF18a, CT03, CW17, CHW17a, CHW17b, CMS17, CD02, CVK13, CHH10, CDG10+09, CS16, CGP19, CRK07, DLM16, DMR19, DF99, DHE13, DWQ19, EKS15, EVW17, EIL01, FMK19, FDS13, FHL13, GKRNS19, GKL11a, Gas13, GvdV17, GH07, Gla18, GI19, GG19b, GHH9, GC16b, GI17b, GY17, GW04b, HA01, HHM17, HHE10, HHO2, HHvR03, HL16, HS18, HS99c, HXB11, HX13, JWH08, Kan03b, KSM18, Kim05, Kim08, KG14, KT08, KPO6b, KW18, KO13, LI01, LLLX16, LSY19, LY14, LX16a, LS17, LK98, MN07, MRFV18, MMT15, MRR13, NP17, ORT12, OWL08, PCFN16, PP08a, PP08b, Pet05, PRSS11, PH09, QS18, QS05a, QS05b].

**Discontinuous** [QS08b, RMC12, RG09, RSA05, SSDN12, Sch08, SWK18, TLLK09, TCZC19, War13, WWM03, WH15, WS18, XQX15, Xu04, XS08, XOM10, YCS16, ZK14a, ZCZK14, ZCL+11, ZP18, vSR11, vdVXX19].

**Discontinuous-Coefficient** [DF99].
Discontinuous-Continuous [Kim08].
Discrepancies [GPS12, MC94].
Discrepancy [SZ13].
Discrete [AP14, AN16, AB08b, AKM14b, ACD+08a, ACD+08b, BKM19, BT06, BST08, BPS13b, BPS13a, BS19, Bur97, CHK13, CS10a, CW13, Che13, CW14, CW16c, CH11, DHJW08, DN19, DG16, EEO01, EdDP09, FH06, FT03, FGH+08, FK18, Găr09, GNOR14, GZW18, HHE10, HM10a, HH13, HPS06, HGPM14, ISS19, JV96, JZ16b, Kof04, KZ16, KPW17, LCA08, LM17, MRS04, MEHL16, MNvST13, MM07, MRL+17, OV07, PBWB14, PRR05, PetD12, Rah96, Reg96, RF10, RS02, SBX+08, SW10b, TZ14, VN03, WO09, WB00, WkZ15, ZD09, ZW03, ZRK15, ZNX14, vGEV07, AD96, HO93, Sch96].
Discrete-Dipole [Rah96].
Discrete-Ordinate [HHE10].
Discrete-Ordinates [AKM14b].
Discrete-Time [JV96].
Discrete-Velocity [BST08, HPS06].
Discretization [AHZ17, CEOR18, CDGT01, GOMO14, LSR11, LW16, Mal07, Sha03, SW95].
Distance [BTvCG+10, CS11, CSS12, FB19, Gro02, LL17, RL18].
Distance-2 [BTvCG+10].
Dissimilarity [GLT09].
Dissipation [GK11a, GMS02, MRFV18, Roe98].
Dissipative [AHZ17, CEOR18, CDGT01, GOMO14, LSR11, LW16, Mal07, Sha03, SW95].
Distance [BTvCG+10, CS11, CSS12, FB19, Gro02, LL17, RL18].
Distance-2 [BTvCG+10].
Distillation [And99, ZYZ05].
Distributor [HL19].
Divergence [BF14, MS06a, Sch02, TZ18, Tor05, WWY09, XZ10].
Divergence-Free [Sch02, TZ18, WWY09, XZ10].
Divergence-preserving [Tor05].
Divide [HLD12, KMR19, LT09, LS13b, NH13, TD99, VXCB16, VTD12, LL93].
Divide-And-Conquer [KMR19, LT09, VXCB16].
Dividing [Hu96].
Distinct [SBF15].
Distinct [FBF15].
Divisible [IK10].
DMplex
[LMKG16]. DNS [BCM15a, Hof05].
DNS/LES [Hof05]. Domain
[ABL15, BMP16, BO17, BHK02, BL04a, BFJ+15, BLBO, BRT07, BCLT15, BSS17, Bla98, BCM15a, BFG19, BT13, BIA05, BM19, Ca95, CMS94, CHL06, CCV14, CCG14b, CML18a, CML18b, DD13, Den97b, DL16, DS95a, DW17, DSZ13, EHL05, FKK14, Gar94, Gri95, GNPT18, HMN13, HLLM15, HRT03, HIT09, HN06, HK98, HLY13, JFG13, JKKM01, JCL07, JZ00, KL98a, KL98a, KL98b, KL00, KLR15, Kus97, Lar99, Lee13b, LN17, LPP19, LJ19, LW15, MRS04, MRR98, MR94, Mu95, MZ97, MS98, MS98, MS98, MS98, Nat95, Nat97, NP08, PS10a, PGW17, PL12, PV94, PV95, QSM19, QSV06, RL10, RBH06, RR01, RGG06, SMR+15, ST09, SD11, TS11, TZ14, TP09, Tsi18, WGO10, XA99, YCC10, YBM18, Yu01, YYY11, ZT17, ZND18, ZKB18, ZS02, Zim14, de99, vLH14].
Domain [vdZvBdB10a, Ain96, Cai93, Hes97, SS95, SS93c].
Domain-Decomposition-Type [TS11].
Domain-Map [vdZvBdB10a].
Domain-Oriented [Gri95]. Domains
[AMA98, AGH13, Akr14, BK06, BWZ10, BOPGF06, CVVK15, CS12, CF05, DL11, DL19, DR13, DW15b, DHHZ18, FDFW07, FK13, GSPY17, HG02, HHT03, HR19, HT09, HW15, HJ18c, HRS19, HLW13, ILK05, ISS19, JK07, KCL16, KL15, KLY05, KC16, KNV+16, MS17, NN18, OR18, RS03, SKF18, SY12, SK05, SXK17, X018, XT06, ZZ18, VB07]. Dome [Nie16]. Dominance [Saa05].
Dominant [LWZ13, QSO8a, Roma88a].
Dominated [Ber95b, CLK18, DMS01, GR09a, HR99a, Hei96, HY10, JX13, WX99, PCD96].
Doniach [DG99].
Donor [MS98].
Dosimetry [DL16]. Dot
[CWC08, OR05]. Double
[AMVR17, BHG14, Nie06, WK18].
Double-Exponential [AMVR17].
Double-Layer [WK18].
Double-Precision [Nie06]. Doubly [BCT07, DP98, Slo02].
Down [SCM10]. Downdating
[AB16b, BPT93].
DP [AFS19, KL06, KL10, KLR14, KKR16, KLRU17]. DPG [GMO14].
DQDS [LP14]. DR [EMN17, LMW15b].
Drag [Hof05]. Drift
[BS95, BHIN10, BHMX18, BBM+08, DMR17, Kla98a, Kla99].
Drift-Diffusion
[BHMX18, Kla99]. Drift-Flux [BHIN10].
Driven [CBHB19, DEV16, DMM18, DMM19, GDLS14, GPA18, HC18, IA14, MP08, PGW17, TVV11, XMRI18, KöS07].
Driver [BWB19, Der09]. Driving [BM11].
Dropping [KRT16, May05]. DRp
[PP12c, PP12b]. DSMC [Ste11]. DST
[BLBC13]. Dual [ACCC00, BCS07, BO07, BC09a, CGM99, CW14, CLK18, DFG15, DFDM19, FK18, HS06, HQH+16, HSW08, IMS96, KR06, KM16, LPSB17, LN17, LPP19, LD03, NH12, PWGW12, Rad16, WvdZvBdB18, Zam16, FCR93]. Dual-Mesh
[CLK18]. Dual-Porosity [HQH+16].
Dual-Porosity-Stokes [HQH+16].
Dual-Primal [KR06, Zam16]. Duality
[BBT11, CHK13, CJK10, CH11, FM16, Ho04, WW03]. Duality-Based
[CJK10, Ho04]. Due [Men94]. Dumbbells
[KP10]. dummy [MS93a]. During [May08].
Dusty [PL06]. DWT [BLBC3]. Dykstra
[BR05]. Dynamic
[AFK15, AK17, BBGS13, Ber98a, BCFJ19, BB09, Cab94, CCFP12, CE17, DU19, DEP11, GMP19, GGLT00, GT19, HM10a, HB04, HEGH14, KKK16, LLLW19, LXS+08, NNR09, PR09, PV17, RP01, SV08a, SSW98, VBA18, WMI09, WSA16, YH17, YH19, YPK8, ZTK9, ten95].
Dynamical
[AKT16, BS05a, BFM17, BCP15, CBG+19, CW12, EL19, GDLS14, HHW00, LU11, MTM08, MS18b, NK15, PN19, RM08a, SHP07, Sma04, TWB09, WSH14, YWL17].
Dynamically
Dynamics [AIP19, APvdG12, ACCP13, BLS09, BMTZ13, BOR97, BLR99, BCM15a, BRK16, CL18a, CTB15, CGK13, DY06, EW00, FGL09, GKM+17, GKR16, HJMS07, ISG15, Jah04, JHJ12, Jay98, Kim05, LR10, LL98a, LL11, LFWP08, AE18, NKT08, NV08, NBA+14, OKM14, QDKW18, RWWK15, RN14, SDNL10, Sclh94, Sha03, SP02, SZS97, Ske09, SAY03, TKW08, TPW09, WGF08, YHS07, Zim14, AP93, SRCG93].

Each [CGL+13]. Early [LFBO08]. Early-Exercise [LFBO08]. Earth [KY14]. Easily [Yan19]. Easy [GG09]. Eccentrically [GP96]. Eddies [SL09a]. Eddy [AL07, BST08, CCCZ10, EAS08, HHMS15, HO15, HHMDC18, MNP07, PH13, PSC+16, RT01, Wal13, dVL10]. Edge-Enhancing [HHMS15]. Edge-Preserving [BG10]. EDIIIS [CK19]. EEG [AFF+15, EVL17, WKM+07]. Effect [FLM+05, HJP04, SHP07]. Effective [AHH06, CP05, CG17, EHL05, GLQ18, JL13, Ky12, MCT+05, NV08, TG04, WS05]. Effects [AAB+15a, BER17, CDF18a, DS96]. Efficiency [AMM+11, BSA13, CD02, HJ98, Kra09, vHBT12]. Efficient [AG18, AS18, AK15, AFS19, ACC00, AM05, ABT14, BS08, BK07, BB17, BS95, BCR11, BS05d, BMTZ13, BDdSM11, BSSW13, BLS07a, BS16b, Bja19, BT97, BFF16, Bol03, BV00, BR11, BBG+19, BBK06, BRK16, BKH12, CB98, CMS94, CDC19, CH02, Cha18, CL03, CHX15, CCC18, CN10, CV98, CJG19, CRV14, CD06, CPB19, CVW06, DHO3, DAE02, DGP18, DSYG18, EW00, Ema10, EPSU09, ES00, FDFW07, FNNB05, GS16, GNR14, GMvdV19, GCB15, GLR+16, GST12, GKNW18, Gon15, GM14b, GKT09, GKN18, GS02a, GE96, GZT+19, HRT10, HAG17, HNS08, HJS99, HB04, HSBC97, HMW07, IBM01, Jin99, JW13, JLP18, KW07, Ket08, KZ00, KPP+16, KRDL18, KW+14, Lan19, LMK16, LS13a, LL16, LZ17b, LZ13b, LM14b, LL15, LCL18, LY18, LC05b, LD11, Luu15, MMRN15, Mac98, MH95, MXY16, MLL13].

Efficient [MST15, MDM15, Mon08, NH13, NN17, OS98, OGO16, PM+13, PJJ11, PMH+16, PSS17, QQQP99, RMR15, Ry03, R07, Ren15, RKL09, RS99, RO15b, SS08, SW18, SKWK18, SNB16, SSW12, She94, She95, She97, She09, SY10b, SY12, Slo02, ST11, SF99, SO09, TT07, TB99b, UEE12, VBA18, VDD19, VPP05, WZ18, WS06, Wan13, WLX+13, WBFA09, WWH17, WB08b, WGF08, Xia13, XJS13, XC13, ZY09, YY18, YP98, ZFLB15, ZZZ8, DG95, LSM93, PCD96, RG94, Yav93].

Efficiently [KMV05, MV16]. Eigenbasis [Liv08]. Eigendecomposition [HK09]. Eigenfunction [BBKK97]. Eigenpair [Du98, MB99]. Eigenpairs [De12b, GWM003, MW01, VK15, YZ07, YZ08]. Eigenproblem [LZ99a, Oet99, VS17, LZ94]. Eigenproblems [AA13, BCR03, EPE05, GPP95, Jar19, LZ99b, PBB13, Sta07, SM07, SVX15, VYX16, LG13, ZAK15].

Eigensolver [BDvdG05, GPTV15, HJS99, HLTT97, KPT16, Kny01, Nik00].

Eigensolvers [AGSZ16, DMPV08, MRV06, MS06b, PQOB14, SVX15]. Eigenspace [BL04b]. Eigenstructure [BC07].

Eigenvalue [AF15, AH04, ADF+19, BCS07, BL18, BBB14, BYL13, CR16, CJ05a, CDY07b, CHH10, DN13, DJLZ96, ES19, EMM+99, ETO1, rFS12, GJ17, GK03, GK18, GY02, GV14, HLD12, HvdG96, HL10, HvV03, XXX18, HHL15, HLM16, HLM03, JMM10, JMK14, JMR17, KAL007, KH18, KS14, Lan19, LXV+16, LZ17b, LLW19, LS19, LM18, LWK+16, MV00, MS06b, Mee01, MG12, NZ006, NH13, Ng00, NvdP00, SG11, SW03, Sta07, TD99, VMM13].
VXCB16, WH15, WXS19, XLS18, Xue18, YGB+05, YBH-Y15, ZLG98, vD03, CW93, D93, MJC94, MS93b, Tre97, YL93.

Eigenvalues

[ARMNW10, AO17, AT15, BS05e, BM12, Bou01, BB009, BGSV15, CCQ16, CP95, HLTT97, KM05, MS12, MN11, MY18, OK13, Rah00, RN14, SZ06, SBND11, SM07, SO10, SVX15, YBLH16, Tre93, LXES19].

Eigenvector

[JKM14].

Eikonal

[ABMR11, CV12, CV15, CCV14, FJP+11, FKW13, GK05, JW08, ZCL+11].

Einstein

[BD04, BS05c, BL08a, BLS09, BMTZ13, BN00, BH08].

Elastic

[CSW99, DKM14b, HMCK04, LL19, Lay06, LL97, LJL09, Min02, Sei95, SBHS19, TY00, VMG09, LP06, TR93].

Elasticity

[AIP19, BYZ19, BCCK16, CLMM00a, CLMM00b, CPW15, CF05, DZ08, GOS03, HH13, KPS19a, KW00, KR06, KC16, Kra08, MMT15, Pav98, PWZ10, VBT99, CMV97].

Elasto

[FKTW10, LKX08].

Elasto-Acoustic

[FKTW10].

Elastodynamics

[BHG14, BRT07, BL04b].

Elastohydrodynamic

[GB06a].

Elastoplasticity

[GV09].

Elastostatics

[Sch03].

Electric

[AAB+15a, ATV07, BBGS13, BJ08, GLL+15, HSZ12, ZB12].

Electrical

[CHH19, HHMS15, Tim19, vdDA12].

Electrified

[VPP05].

Electrocardiac

[XLG+16].

Electrocardiology

[FDE+06, PS11b].

Electrodynamic

[BKMM10].

Electroencephalography

[VP10].

Electrohydrodynamics

[KS15a].

Electrokinetic

[BHMX18].

Electromagnetic

[AIP07, BS05b, BG98, BS06a, CCC18, CHM02, DLM16, HAO1, LM15, MG07, PS10b, Rah00, SPS18].

Electromagnetics

[CHL06].

Electromagnetism

[CDGS05, DKSW19].

Electromechanical

[RDP08].

Electronic

[KKS13, LFS14, WPL+13].

Electronic

[BCK16, DLZZ17, DLY14, LWYxY18, LYL+11, Rub12, WMUZ13, ZZWZ14].

Electrophysiology

[BFSN08, CWG10].

Electrostatics

[CR11, RKLM18].

Element

[AE08, ABF99, AV14, AG18, AGL13, ACK19, BH13, BH14a, BMV18, BCR11, Ban08a, BJNN02, BHV05, BB10, BBB14, BBGS04, BDM+18, BS16a, BOF16, BCLT15, BM19, BMN08, BBK15, BC09a, BP13a, BPS13a, BBS19, BYL13, BV19, Baa97, BMBR03, BP13b, KM10, BC10, BH19, BRB12, Bur13, Bur14, BCM15b, BG13, CGGGS15, CI19, CGQ10, CG99, CPV95, CQ07, CM09a, CM09b, CBG12, CP03a, CK03, Cas97, CFE18, CD02, CCCZ10, CMZ19, ICCVEK17, CFM96, CGP19, CHH10, CVE13, CSW14, D06, DB08, DLG97, DMM04, DMM05, DG98, DLZ05, DKR12, DFS19, DHP17, DEP11, DZ08, DW15b, DTYY18, DGvdZ18, Egg18, EJ08, EJS17, EHW00, Fai03, FS01, FHFR13, FGM08, FKTW10, FCF19, FK18, GJ08, GZ11, GHMY18, GKL11a, Gas13, GLO8, GKT09, GKG10, Gra14, GdLP+18, GC97].

Element

[HHS+16, HH02, HL09, HZXC16, HR99a, HV01, HY08, HP03, HX18, Hor10, HQH+16, HS01a, HS18, HY10, HK95, HS99c, HLY13, HSS09, ISS19, JV96, JK11, JH12, JQ05, JV01, JGZ06, JR96, KLV+16, Kan03a, KL05, KMS15, KKL05, KST06, KST07, Kir14, KO17, KG14, KZ16, KKK18, KS14, LW12a, LP11, LP12, LOSZ07, LP06, LLP98, LRM98, LMM18, Le 01, Le 05, LR07, LP08, LDS11, Le14, LPP19, LPM19, LMM17, LHL11, LZ17b, LNZ19a, LNZ19b, LFW18, LKV15, MR04, MH17, MM14, MRT00, MLL13, MST15, Mic01, MTTE98, MS12, Moo00, MS38a, MWY17, Nat98, NNW09, NV98, NSK10, OSU10, ORST12, OX17, OQRY18, PRS12, PDT18, Pav98, PWZ10, PSK13, PMH+16, Pic10, PvdVvG17, PWGW12, PC98, QZZ14, RT01, RLY18, RS03, RW01, RDP08, RV10, RLC08, RWW14, SMZ18, SCC17].
Element-Based [CBG12, ICCVEKV17].
Element-by-Element [FS01, SWT00, DLG97].
Element-Free [HV01].
Element-Structured [VM13].
Elementary [CVW06]. Elements
[Ain07, AAD11, Ain14, BRT07, Bla98, Bre96, Cao07, CSW99, CGP12, CDK19, CW18, Che98, CF05, CG07, CDPC13, DKS9W19, GK18, GMvdV18, GMvdV19, GJ07, GPSY17, GSV18, HT00, HPS08, HD216, HR16, HTW+12, ISG15, Kup00, LO11, MBM+16, MCB18, MT09, MN07, NHSS13, NN14, Nie16, Os07, PV08, PP12a, PZPR07, PRSS11, RKL09, Ros97, Ros06a, SB10, Scho2, SF08, TX17, WS07, Wan01, WSS15, WZ19, ZHS10].
Elementwise [LMR98]. Eliminate [SO18].
Elimination [CL11, GC19b, LRW96, Saa96, YY15, Sag95, Wri93]. ELLAM [WDE+99].
Ellipses [Gro02]. Ellipsoids [Kuc12].
Elliptic [ABL95, AW15, ACH13, ADK+98, AP99, BKGV16, BDD98, BJJN02, BBC+01, BK06, BF95, BAS09, BB03, Bi05, BHW99, Bur13, BEH+19, CPV95, CPB13, Cas02, CCER12, CT03, CD02, CM15, CJO05a, CM99, CFH19, CML+18a, CM+L18b, CRV13, CH11, CDN16, CP17, DEV16, DK03, EPR10, EF15, EGKS94, EMT09, EPV94, EIL01, Flor12, GV19, Gar05, GGU9a, Gia18, GM14a, GXY15, GH99, GS00, HW15, HHS+16, HCT13, HNO6, HLT16, HRS19, HG00, ILK05, Jia14, JCL07, JGZ06, KCL16, KM99, KS11, KLR15, Knu96, KT08, KB17, Kus97, LP11, LP13, LV13, Le09, Lee13b, LLW16, LY13, LNS15, Liu00, MV94, MK08, MW17, NRMQ13, NV98, OSs07, PL03, PS11a, PP08a, Pic03, PRSS11, QZZ14, Sch98, SY10b, SY12, ST00, Sta97, TY08, TPB17, TV98b, WR13, WZ18].
Elliptic [Wan04, WHL18, Xu94, YZ05, bZOW07, Cai93, Gre93, HHRV93, McG95].
Elliptic-Parabolic [LV13]. Elliptical-Type [Kus97]. Elliptical [PRM09, Ros06a].
Embedded [AP12, BH12, CKN06, HBL05, KP05, KP06b, LKV16, Z01b, PDE+17, SSV17].
Embedding [CL18, DFS17, DN18, GL18, GLT09, MDC08, CG93].
Enclosed [PH18]. Enclosing [LHL12].
Enclosures [BBB14]. Encoded [NNR18].
End [ZMK17]. End-Point [ZMK17].
Endpoint [AMVR17], Energetic [Lee10a]. Energetics [BZ10].
Energies [DN19].
Energy [AK15, AAB+15a, AN16, BPS14b, BW01, BJ08, BM13, CCC17, CY17, DK10, DJH00, DG09, Doh03, DS14, GJ08, GHMY18, GZW18, HSSW08, HXR16, HJP03, HJP04, In99, KG14, LW12a, LO19, Li03, MN07, NST11, OWO14, QNZN19, RWW14, Sh12, SY14, VAS10, WCSS00, YY18, Yan18, ZYWL16]. Energy-Based [Sha12]. Energy-Consistent [HSWW08].
Energy-Corrected [RWW14]. Energy-Minimizing [HHR16, WCSS00].
Energy-Norm [Yan18].
Energy-Transport [BJ08, DJH00, GJ08, HJP03, HJP04].
Engineering [JRK08, SBMR18]. Enhance [Zen16]. Enhanced [ADK+98, EEO01, GGG19b, HLM+09, HTH+16, JFG13, KM98, PDDV08, ZMM13].
Enhancement [DGP10, DS97].
Enhancements [MM18, EG93].
Enhancing
[Gup17, HHMS15, NZZ06, Wan12].

**Enlarged** [GT19], **ENO** [CLTX15, DBSR17, GB12, JP00, JSZ13].

**Enriched** [Gia18, HY10, LLW16].

**Enrichment** [OS15, SL09b], **Ensemble** [GT19].

**Ensemble** [CLTX15, DBSR17, GB12, JP00, JSZ13].

**Enriched** [Gia18, HY10, LLW16].

**Enrichment** [OS15, SL09b].

**Ensemble** [AdWR17, GCR16, GC17a, LTT16, LM14b, LM14c, LW19b, NRSD18, PDE+17, Rei13, UWy+15].

**Ensembles** [AM04].

**Entries** [ADL+12, ADLR15, CXY10].

**Entropic** [CFY18, TWK18].

**Entropy** [AHT12, ADM+15, BI09, BDMFSL04, CDC19, DGS08, FR10, PCFN16, Pup03, Sch19, WE13, ZWH+14].

**Entropy-Based** [AHT12].

**Equation** [AAAH+19, AB16a, ABMR11, ADKM03, APS12, ALLK15, ABR17, ADGM98, ABIGG16, AB08b, AL99a, ATV07, AP12, AHV18, AB100, BBP13, Ban10, Bar12b, BBP07, BLS14, BT97, BCM11, BGS09, BVV08, BV00, BK18, BP13b, BI199, BTT13, BLM03, Bru15, BW09, Bur97, CG18, CCF14, CI19, CGK+98, CKS01, CL10, CFY18, CCG14a, CP03a, CP05, CP07, CZ10, CD13, CH08a, CDH98, Cha18, CLAT10, CD15b, CWX15, CCC18, CMZ19, CIZ18, CJ95, CGP19, DMM05, DJT08, DLY16, DHJW08, DL19, DKKP14, DKO12, Du11, DHZZ18, DP16, DKM14b, EL18, EL19, EBR00, FF05, FJ99, FL04, FMP06, FHL13, Fro12, FJP+11, FKW13, GCS19, GS98a, GMN02, GZ16, GHR19, GR17, GMO14, GK08, GV98, GKO5, GRH12, GRH13, GD03, GL10, GX16b, HG98, HHT03, HHE10].

**Equation** [HP14, HTMM15, HT13b, HHSW11, HRT03, HITT19, HJ18c, Hen05a, HSZ12, HC98, HR99c, HW09, HV07, Jah10, JVG12, JLY08, JS10, JW13, KMW15, KA95, KMS15, KKF11, KS19, KL13a, KP10, KBG18, KL13b, KP05, KP06b, KS14, KO13, Lar99, LMM18, LMMR00, Lee10b, Lee10a, Lee12, LM05b, LJ19, LCD18, LZZ18, LB15, LY98, LXX08, LX16a, LY16, LY18, LZ04, LX16b, Lu019, MGG19, MRS04, MG11, MNBK10, MW03, McL12, MST15, MR01, MV06, MW16, MCV17, Nas09, NAS13, NMS06, NN19, OL98, PDH09, PR01, PMR16, Pet01, P10, PV15, PBtTB+15, QS14, RBH06, RU01, RK07, ST16a, SBP04, Sch05, SKN19, SAB14, Str94, Str00b, SD11, TY08, VMG09, VB07, WXK04, WGT14, Wy19, WP19, W080, WH13, XKWY08, X08, YM06, YTL11, ZLTT13, ZLTT15, ZNZ16].

**Equation** [ZND18, Zha96, ZD09, ZJC12, ZW03, ZeSpH14, Zhe07, ZLTA15, ZHDX17, BDP96, CDH07, E199, JS93, Lie93].

**Equations** [ARMNW10, AH18, AC08, ACV12, AVZ13, AB09, APZ13, AH17, AB19, AB+17, AFK15, AOR18, AFOQ19, AM17, ACL09, AL99, AW15, An16, AN00, ABK11, ACD95, ADK+98, AA02, AS94, AC95, ADM10, ACCP13, BOS8, BBSV10, BHN07, BGL08, BLH02, BP97a, BT06, BYK05, BNN02, BOB+19, BK08, BK09, BH06, BJ10, BWW08, BWW15, BGN07, BGN08, BN00, BBH18, BL000, BGG8, BM01a, BSS09, BL07a, BW11, BC09a, BS15a, BH14, BM08, Ber95b, BPS14b, BS16b, BCF12, BK10, BP12, BCM05, BGH+03, BHS08, BCM15a, BFS16, BK18, BMSV97, BPR13, BS15b, BV09, BHT11, BBC07, BHMX18, BM05, Br617, BC99, BJ08, BSU19, BL03c, BL05, BWW99, BOPGF06, BT16, Bu13, Bu14, BEP98, BB02, BLL07, BHK12, BDW11, CCGSG15, CCDF12, CC16, CLM00b, CLW13, CH09a].

**Equations** [CG95, CB98, CLPS03, CP04, CZ15a, CZK15b, CZKZ16, CCG14a, CFR05, CK17, CB12, CM09, CAA03, CP12, CV12, CV15, CCM08, CGK13, CDF18a, CK15,
MT97a, MS93a, MCJN94, MP94, PSB+06, PM95, Sche94, Sche95, SS95, WAS94].

Equatorial [Mar09], equidistant [bZOW07]. Equidistributed [BKS98].

Equidistribution [Che94, CF97].

Equilibria [AEMM16, AHJS01, HBJ04, Kue12].

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

Equivalence [FKTW10, TSX17, WB99].

Equidistant [bZOW07]. Equidistributed [BKS98].

Equidistribution [Che94, CF97].

Equilibria [AEMM16, AHJS01, HBJ04, Kue12].

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

Equivalence [FKTW10, TSX17, WB99].

Error [ABF99, AV14, AdVC00, Ain07, ABR17, AOR18, AS07, ATK12, ADLW19, BR02, Ber95b, BPS14b, BCM11, BP13b, BBT11, Bre99, BDW11, Cab94, CKOR16, CP04, Cao97, CGAD95, CF00, CP03a, CK03, CP07, CW08, CJ90, Che94, CV94, Cho05, CCH15, CWG10, CHH01, CE16, CPB19, Ded10, DP09, DFH+19, DEV16, DG16, EHW00, EMT09, FL02, GCS19, GLS08, GGL07, GSS00, HHS+16, Har08, HHW00, HMI9a, HM19b, HL98, Ho04, HR99b, JSV10, KKP14, KLS+15, Kas95, KS09, KW10a, Ku12, KW15, LV07, LU17, LZZ18, Liu96, LPP09, LX16e, Meu11, MNZ15, Nor07, OS15, OC03, OC05, PS02, PDH09, Pic03, Pic10, PS10b, Rad16, RKL18, RL13, Sch03, ZP19, SKJ+13, SFS16, TE07, TO15, TP99, TBO10, WC03, WWY11, WRSZ18, WLLZ18, Wei94].

Error [WW10, Wic17, WdVSvB18, Yan18, ZCK12, ZFLB15, ZHS10, dLRT09, vdZvBdB10a, vdZvBdB10b, DG95].

Error-minimizing [Wei94].

Error-Oriented [Wic17]. Errors [GK11a, GGK+04a, GMO14, GKR16, GPS12, Hei13, HW99, LHR+18, Meu94, RW97, Rub12, SX16a, ten95, AGC96, SS93b].

Errors-In-Variables [ten95]. Escape [GDL14]. Essential [Sch09]. Essentially [CFR05, HKYY16, QS05a, QS08b, ZLS12, ZQ18]. Estimate [BR02, CPP+17, GJS19, KLS+15, Str93, Wat98]. Estimates [AL07, BP13b, Bre99, CDH98, CAB04, DEV16, GSV18, HHS+16, HZ11, HR99b, JSV10, KL15, KL94, LD03, Meu11, PDH09, TBO10, WW03, ZCK12, ZHS10].

Estimating [AMHR13, GSO17, HSB12, HR14, HR16, KK16, Let93, MW11, PVV11, SLO13].

Estimation [AK15, ABF99, Ain07, ALLK15, ABR17, AOR18, ATK12, AM05, BP97a, BG10, BF13, BPS14b, Bla03, BES19, BTT11, BM00, CP04, CBG+19, CCH15, CPB19, Ded10, EHW00, EMT09, ES00, FB95, FR19, GCB04, GM00a, GK13, Har08, HCR13, Hei13, Hof04, HTH+16, JKL18, JBL18, KH14, KR17, KS99, KLR98, KUH96, KKL16, LV07, LX08, LM17, Liu96, MT19a, MS07d, MDG+18, Ng94, NRS18, PHA18, PWG16, PCL+16, PS10b, RKL18, RW13, RTH17, SPK13, SW01, TP18, TE07, TO15, TTY16, TP99, WWY11, WE13, WLLZ18, Win06, WSH14, WdfWSvB18, YR12, YSS07, ZBFN17, ZFLB15, ZTM+16, ZW16, vdZvBdB10a, vdZvBdB10b, Liu93].

Estimator [Che16, LPP09, Pic03, Pic10, Sch03, SFS16, WW10, HW99]. Estimators [Rad16, Red99, ZP19, TV98a]. Euclidean [ACCO00].

Euler [ABC97, CBG12, CCM08, CDF18a, CK15, CPR11, DDG16, DLV17, DT03, EOD93, Ena97, GNPT18, HG02, Her08, KLS+15, KPS19b, KQW04, LK93, LLD99, LW03, LJL98, LSM93, MV06, NBA+14, SMN10, TKK16, TV93, Xu99, YC14]. Eulerian [AHHI12, AHR12, BCM15a, GH18, Gra14, GPSY17, HL19, ISS19, NSK10, WLE+00, WZET13, WT16, YWL17]. Eulerian-Type [ISS19]. European [AO07, FO08, GO13, GO16, Toi08].

Evaluate [BS98, Bar00, HS99a, PRM09]. Evaluating [DP07, Li10, OR18, Yun03]. Evaluation
[AO07, Bar14, BWV15, BN98b, BER17, BV98, CBN02, CBS00, DP09, Far01, FM12, GMJ94, GPK04, GKK04b, GBS19, HKF+13, In99, JLZ+16a, JF16, Kea97, KKL05, KLST06, KS07, KW11, LS12b, LHN96, LG09, LX14, Nit99, OSU10, OW98, RMC12, Ros06a, SNB16, YH17, YH19, aKT18, BS94, SS93a]. Evaluations [KHRvBW14, TZ14, TEE+17]. Event [GL15, Kof04, LLZ15]. Every [Fer98]. Evolution [And16, BEG+08, BGN07, BGK15, CGKM16, Coa12, DHO12, EOZ94, Fis19, HLNS19, JTZ08, KM97, KLS08, Kup00, LPS13, LFLS08, LMMW04, McL12, MK96, MRSS14, NS19, RS00, SL11, ZFLB15]. Evolutionary [CDGT01, DKZ09, DLZ10, MPW18]. Evolving [CM09, CW16c, NNH99, Ox17, TN16]. EVSL [LXES19]. Exact [BHNPR07, BLP14, BBR08, CFSZ08, DMR17, DN97, Fl13, JP08, NHSS13, NMS06, Oli01, PDH09, PY08, PEC+14, Saa03, SBP04, SWU16, Str93, VS03, WMUZ13, Yan18, ZH09, HL93]. Example [CST16]. Examples [DKSW19, DKZ09, MPW18]. Explicit [AVZ13, AAI98, BPR13, BQR18, BB09, BK11, CHAMR06, CZZK16, CS10b, CS10c, DW98, DG09, DMD+12, EIL03, FGS14, GKC13, GLQ18, GMM15, HS05a, HCR13, JLF18, KCB17, KW10a, Lay06, LD05, LMS97, MO00, NP17, ODN17, PKD13, SKWK18, SSS9a, VS04, WL01, ZS02, Ena97, LK93, ZSB16]. Explicit-Implicit [ZS02]. Explicitly [DCP11, EPE05]. Exploiting [AKA13b, ALM19, ABB+16, EL93, GRT05, MDC08, SLvdGK14, SBS98, SW03, SvG10a, VDD19, Wan12]. Exploits [HM19b]. exploratory [Sun93]. Exploring [ES18a]. Explosive [BBH+16]. Exponent [AMVR17, AMH11, BDZ13, BMK19, Bar12b, BM17b, BN13, BGI13, COR13, CKOR16, DLP05, FMYT16, HYY16, HLS98, HUL17, JF10, JF50a, KCB17, KBG18, LPS10, LW16, LT14, PS19, RX18, SIR15, SL09a, TLT12, YH19, vdEH05, OS95]. Exponentially [BB10, Lan10]. Exponentials [PPT11]. Exponentiating [Lec13a]. Exponents [BHW99, YWL17]. Exposing [BDO12, YS16]. Expression [HTR12]. Extended [AKPRB08, BP13a, DU19, GH15a, GS19, HTW+12, KK16, PCD17, SKPB13, Ser06, Yun04]. Extending [BBH+16]. Extensible [HLL00, KMA+12]. Extension [AP14, AT19, BT04, Ben05, KO13, Pip13, RSA05, TT13, WM17]. Extensions [KP10]. Extensions [Ch09, CS12, DG16, FFS07, MH16, Nie06, XAW17]. Exterior [HHT03, KL13a, NHSS13, TET10]. Extrapolation [DTV13, MS07c]. Extrapolated [CS10b]. Extrapolation [ALZ14, BPR16, GS12, HL09, HW09, JR96, JR98, MMZ03, WTG12, WI12b, XKZ95, Ber97]. Extrema [KV96]. Extremal [De 12b, Zha96]. Extreme [AAAH+19, AHJS01, BMP16, rFS12, SR18]. Extreme-Scale [SR18]. Extremely
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[TLR15]. Extremes [Gri19]. Extremum [WI12a]. Extruded [TPT+16].

FA [IJ08]. FA-SART [IJ08]. Faceted [RS00]. Facing [GM11]. Factor [GG94, GG95, WZSL12]. Factored [BK07, BBFJ16, BCFJ19, BT99, JFG15, KG18, SS93b]. Factoring [BH14b]. Factorizable [DT03]. Factorization [AAB+16, DGHL12, LM99, MOKS12, Man95, MV16, MM95, MM98, MN00, Sco17, Sch93].

Family [CWC08, EG18, Mu95, Sei95, SSS97, SvG08, Tal15, Ton94]. Far [CRV14, LS09]. Fast [AdVC00, ABMR11, APSG16, ABIGG16, AT19, ACD95, AKM+14a, ALZ14, ABB+04, AVW13, AIV98, AO93, BGL08, BZ10, BCR11, BMRI10, BK98, BK99, BS05b, BOR97, BMAK19, Bar99, BR02, BN98b, BLB00, BACF08, BPT+14, BC02, BIt99, BB15c, BD99a, BI99, BRu15, CI19, CD91, CD07a, CDGS05, CV12, CCR12, CN93, CTT94, CC08, CW14, CBN02, Cho01, CG10, CRT11, CX08, CRR18, CPD17, DBC13, DD12, DFN12, DKGS15, DN97, DKO12, DKS19, DW15b, DR93b, EB96, ES96, EE14, EOZ94, EY07, EG01, FGMP13, FGMP14a, FGMP14b, Fis19, FWA+11, FM99, FJP+11, FKW13, GHHH17, GH18, GW17, GR02, GV13, GLR07, GLQ16, Goe97, GY09, GHST98, GK05, GD07, GLN09, GrM10, HA01, HT13a, HT14b, HO18, HJ07, Heli11, HG12, HA17, Hog13, HEGH14, HR98b, HG00, Inv02, ISS06]. Fast [JW08, JF16, JM18, JP11, KK98, KV12a, KBK+08, KP11, KLZ+06, KW11, KV18, Kup98, KFGT07, Lab05, LA14, LQ19, LS94, LG97, LMPQ03, LCA08, LB13, LCD14, Li10, LLX15, LZZ18, LYL+11, Lin16, LB12, LFLS08, LFB00, LWK+16, LS02, Luo19, Lvo11, MG07, MG09, MG11, MBGV16, MR07, MM19, MSW05, MH16, McL12, Nag93, NAS13, NP96, NCT99, NL99, OSU10, PNV16, PS13, PS11b, PR05, PP13, PS03, PD15, PCD17, PTR08, RO15a, RRR03, RRR05, RT05, R99, Rmu09, RS16, SMKF15, ST16a, SLFF06, Sch94, SC03, SWX16, SV00, SvG08, SVG10b, Sr94, TW09, TN16, T18, TWK18, W009, WB12, WG18, WYGZ10, XLS18, XH15, XJB12, XAW17, Yan19, YV98, ZBC03, ZN16, ZCL+11, ABCR93, BS94, MMM+95, MMYM96, Sch96, CRMC12, CD13, EMT99, RAT18]. Fast [ZK14c]. Fast-marching [TN16].


Fekete [XH15]. Fekete [GYNZ18, PZPR07]. FELICITY [Wal18]. FEM [AFQ19, BC06, BHK12, CF00, GM17, GH02, Sch03]. FEM/FDM [BC06]. FEMs [LWZ17].

FENE [KP10]. Fermi [Rub12]. FETI [KL06, KL10, KR06, KLR14, KKR16].
FETI-DP [KL06].
FFT [GMSB16, LFB008, ZZ18]. FFT-Based [LFB008, ZZ18]. FFTs [MK93, Pel93].
FFT-W [Pip13]. Fictitious [BRT07, BCCK16, BKFG19, For06, HRT03].
Fidelity [CC11, NKM10, TAY+19]. Fiedler [CQZ17, KT15]. Field [And17, ATV07, BBT15, BCM15b, BFSN08, CS94, CCC17, CL03, CCCZ10, CS94b, CRV14, DZ08, FTY15, GM16, GSY18, GZW18, GV16, GX16b, GrM10, HSZ12, HKC+04, HP04, Hri03, Hri05, JW13, KS17, LTT16, LB15, LY13, LS09, NK15, LXL11, MM14, MKWG15, PvdVvG17, PV15, RAB+14, RWWK15, SY10a, SY14, TK13, WPL+13, WYT18, WMU13, WIC17, YY18].
Field-Effect [HP04]. Field-Split [LK15]. Fields [ABB09, BF16, CPH14, DHP17, DW15a, GC17a, LM14b, NRSD18, YSK19]. Filter-Trust-Region [YSK19]. Filtered [BFS16, rFS12, NN19, XM118]. Filtering [DSRMK17, GCR16, Har11, KXS18, KMW99, KK16, LTX16, LXY+16, LKB18, NMS06, TO15, ZTK19, vrS11, NP96].
Filters [AdWR17, AT15, CCO11, MKR13, NP17, RKL07, XS16]. Fin [MR04].
Finance [MSW05, WS05, WS06, Wan07b, Wan12]. Financial [HW14b, KKS08, Mar01, RO12]. Find [Goe94]. Finding [CGS02, CK98, CP95, FBF15, LZ01, LZ02, Liv08, Saa03, XYZ12, YZ05, ZDZ16]. Fine [BDO12, But13, CP15a]. Fine-Grained [BDO12, But13, CP15a]. Finite [AE08, ABF99, AV14, Ain07, AAD11, Ain14, AG18, AFS19, ADK+98, AGL13, AS05, AD06, ACK19, BB13, BH14a, BM18, Ban08a, BJNN02, BOB+19, BV05, BB10, BB14, BBGS04, BDM+18, BS16a, BOF16, BRT07, BCLT15, BMF19, BSS09, BMM98, BBT15, BC09a, BP13a, BPS13a, BCF12, BYL13, BV19, BP13b, BKMM10, Bre96, BHW99, BRBT12, Bur13, Bur14, BCM15b, BG13, CGGS15, CH09a, CGQ10, CG99, CPV95, CM98a, CM98b, CSW99, CK03, CGP12, CLP08, CZ10, CDK19, CHKM13, CW18, CK15, CFM96, CD02, Che05, CCCZ10, CMZ19, CLXT15, CFJ18, CF05, CG07, CFM96, CDPC13, CGP19, CHH01, CVE13, CH11, CSW14, DY06, DMMO04, DMMO05, DC98, DLTV05, DRFP07, DFN12, DKIR12, DJS91, DLP16, DMS18, DE11, DZ08, DW15b, DTY18, DGvdZ18, Egg18]. Finite [ES17, EHW00, EIL01, FA03, FF06, FHFR13, FGM08, FO19, FM11, FKWT10, FS02, FCM12, FL08, FC19, FE08, GJ08, GYZ11, GW15, GMY18, Gas13, GK18, GL08, GHST98, GKT09, Gra04, GJ07, GPSY17, GdLP+18, GC97, GLW18, HA01, HHS+16, HH09, HZXC16, HR99a, HPS08, HZ11, HTW+12, HY08, HJP03, HXX18, Hor10, HQR+16, HS01a, HS18, HY10, HK95, HS99c, HLY13, HSSZ09, Hun95, Hun96, ISG15, ILK05, IT09b, ISS19, JV96, JK11, JHHJ12, Jia14, JSZ13, JX13, JK05, JGZ06, JR96, JZ00, KLV+16, KP09a, Kan03a, KL05, KMS15, KKL05, KLS06, KS07, KIR14, KO17, KP12b, KPS19b, KLY05, KLY07, KW16, KZ16, KKK18, KS14, KW10b, KTSB19, Kup00, Kya99, Kye12, Ld12, LW12a, LO11, LP11, LP13, LP96, LPP98, LMR98, LMM18, Le 01, Le 05, LRP07]. Finite [LP08, LDS11, Lee14, LNP15, LPP19, LPRM19, LSW17, LMM17, LOL13, LO14, Lem16, LHL11, LNZ19a, LNZ19b, LSV13, LS11, LTW18, LP03, LKV10, Lu95, LMMW04, LK08, MMZ03, MH17, MM14, MRT00, MLL13, MC10, MB13, MBM+16, MCB18, MT09, Mic01, MTTV98, Min02, MSH12, MR18, MS12, Moo00, MS18a, MW17, MSV00, NN14.
NN03, NNRW09, NV98, Nie16, NSK10, Not00b, ORST12, OX17, OQRY18, OL98, OSCE00, PRS12, PDTV08, PP12a, PL06, PSKG13, PMH+16, Pet01, Pic10, PRRS19, PvdVvG17, PWGW12, PRSS11, PC98, QZZ14, QS03, QS08b, RMR15, RL18, RU01, RKL09, RDP08, RV10, RLC08, RWW14, SMZ18, SB10, SCC17, Sar98, SJR09, Sch02, SV08a, SL09a, S206, SY09, SY18, SC02, SFF16, Sta00, Ste01, Str99, SL09b, Tal15, TB99a, TX17, Tie18, Tor05.

Finite [Ull10, VP10, WS07, Wal18, WLE+00, Wan01, Wan04, WWY09, WB12, WH15, WDG+18, WP19, WGS17, Whi15, WMBT19, WH09, WKM+07, Yam02, YSZ14, YCY19, ZLT13, ZN05, ZJ12, ZLS12, ZW19, ZMS10, ZHS10, ZK96, ZQ18, ZLJ96, Zin00, dVM08, Ain96, CGP93, E17+96, MP94, PSC+16].

Finite-Difference [FV06, HZ11, JZ00, KP09a, LP03, Lu95, OSCE00, RU01, ZLJ96, Zin00].

Finite-Element [AV14, CGGGS15, CGQ10, GJ08, HJP03, Le 01, Le 05, LR07, LP08, LDS11, MTTV98].

Finite-Volume [FEM08, MSV00, ZJ12].

Firedrake [LMKG16].

First [Abg09, AMMR10, AMM+10, AMM+11, ABM+13, AV14, ALMR17, AM05, BFS16, BLM03, BSU19, CLM00a, CLM00b, CP03a, CP05, DM13a, DNFN12, FM99, HZ16, HJC18, HT16, H094, H096b, HS01a, Lan94, LMR00, LM15, LMM17, LW16, NKLW94, OKF14, PSC18, VC00, ZPE12, H096a].

First-Kind [NLW94].

First-Order [AMMR10, AMM+10, AMM+11, ABM+13, AV14, ALMR17, BL02, CLM00a, CLM00b, FM99, HZXC16, H094, H096b, HS01a, LMR00, LM15, LMM17, ZPE12, H096a].

First-passage [HT16].

Fixed [AIL05, CWY17, DBSR17, HV04, KS94, KM05, SW15, Van00, Ver96, SS95].

Fixed-Point [CWY17, Ver96].

Flaring [DHHR19, HY08].

Flames [HC95, SAY03].

Flexible [CGL+12, CGL+13, CG19, GW17, GGPV10, HZ10, HD15, Not00a, RTH17, SBB13, SM01, W09, Saa93].

Flexoelectric [AAB+15a].

Flight [EKSS16].

Floating [And99, CW08, DH03, DFH+19, Drm97, HP19, RO08a, RO08b, ZY05, ZH09, P93].

Floating-Point [And99, DFH+19, HP19, RO08a, RO08b, ZY05, ZH09].

Floquet [LZ17a].

Flow [AB17, AABM13, AL07, AHR12, AGPR19, AKM14b, BM11, BHN10, BD04, BL08a, BGN08, BCT05, BS93, Ber08a, BPS15, BSV19, BBKW19, BIK02, BSA13, BEM17, BM13, BKT18, CLDS19, CL97, CMS17, CP13, ICCVEK, CB13, Cor98, Egg18, Ein19, EAS08, EMM12, EDP09, Fai03, FL02, FHR14, FK97, GYZ11, GHTW00, G09, GGS08, GM11, GP96, HR98, HK19, H096, HK03, HR99b, H07, HC98, HR99c, Hun95, H096, JMN01, JKKM01, JVG12, JWH08, K95, K95, KVMK01, KWW13, Kup01, LWVW03, LH12, LE10, Lay96, LL97, LD16, LJ98, LLYC17, LTYW18, LH00, LZ04, LRG17, MN19, MAB007, MCR05, MR00, MS06a, MMS05, MZ09, M07, NH12, OSCE00, PMS14, PEdD12, PB18, PM15, Rav02, Rav05, RSG17, SBH19, SS10a, Sl02, SMA01].

Flow-Control [Ber98a].

Fitted [Woo94].

Fitting [BL06, BR14, BF07, DGB15a, DGB15b, FS12, HW99, Hok17, LZ13b, LS00, NNT13, SL09a, ten95, OS95, FS13].
Fluctuating [WSA16]. Fluctuation [BLH02]. Fluid [AIP19, AB17, ACF09, BQQ08, BC10, BB15a, BKF69, CFGM11, CHV18, CH10, Cor98, CDFQ11, DY06, DP10, ES17, ES00, FUNB18, FGS14, FHR14, GLQ16, GZY18, HHK19, HS07, H19, JHJ12, KC15, KV05, LQR12, Lee14, LM15, LO14, Lem16, LF08, LO08, LXX12, MRT00, MKW15, MEFO9, NV08, ODN17, PRS12, PVV11, QS14, RR98, RW13, SCC17, SM17, SCM10, SN08, SF99, WLE10, WLK06, XMR18, Zim14, ZVF18, vBdB05]. Fluid-Filled [ODN17]. Fluid-Membrane [RR98]. Fluid-Saturated [KC15, PRS12]. Fluid-Structure [ACF09, BQQ08, BC10, BB15a, BKF69, CHV18, CDFQ11, FUNB18, KV05, LQR12, MKW15, NV08, PVV11, RW13, SM17]. Fluid-Structure-Interaction [vBdB05]. Fluidity [ALMR17]. Fluidity-Based [ALMR17]. Fluids [DD00, Del16, GHHK15, GZW18, In99, KV07, KP10, Le01, LXS10, SY14]. FluSI [EKK16]. Flux [ACCP13, BLMR02, BHH10, BB16, EZ11, FEM08, FM07, GC16a, KQW04, PDH09, QNN19, WL97, YHS07]. Flux-Based [FM07]. Flux-Continuous [FM08]. Flux-Free [PDH09]. Flux-Vector [KQW04]. Fluxes [DK98, Mar94, QNN19]. Fly [TY11]. FMM [AAAH19, ABC14, GMSB16]. FMM-Accelerated [AAAH19]. FMV [TW93]. Fock [KKF11]. Focus [Gro02]. Fokker [CK17, DK012, KP10, Kus00, LMM18, LM05b, LY14, ZLTA15]. Fold [ROO08b]. Following [FK00a, PHJ11, WP99]. FOM [Meu11]. Force [BM11, OZ16, TP09]. Forced [Cah94, MRR17]. Forces [BZ10]. Forchheimer [ACL09]. Forcing [WZ18, EW96]. Forcings [GZ19]. Forecasting [CBHB19]. Forests [BB911, IBWG15, WP98]. Form [AKA13a, AP04, BL07a, BF14, C10, CJ05b, DMM19, DKM14b, HK99, HMLH18, KHE07, OR02, PSC18, PTvR14, Sch18, ST11, YH17, Lac93]. Formats [ABLM19, BG14, BKK18, DK012, GKK15, HRS12, KKF11, Kor15, KMS14, KP17, KHW14, OD12]. Formats [ABLM19, RO15a]. Forms [KM05, RF10, RS02, BGP94]. Formula [BCCM03, HT14b, PDA09, Usb91]. Formulas [CK17, GS19, Ske00, SSVW17, WTG12]. Formulation [BCL15, BMM98, BH11, BPS13b, BLP14, BJ95, BI02, BLM03, BRBT12, CW07, CRMC12, CCM08, Del14, ERS17, EPS09, GM17, GS16, GP99, Giv12, HM04, ISS19, JS13, KL06, KL10, Kup01, LM08, LLL08, NV08, PH18, Pat97, PEC14, QQZ14, RG09, RH09, WZ13, YPH17, ZVF18, dVM08, FRC13, LSN13, Nat97, PM95]. Formulations [AMM11, AKM14a, BB13, BHG14, DH01, GRL10, GKL13, GRO4, HV07, KPS19a, LWCL03, MG11, MRFV18, PS11a]. Formalisms [BP16, BRR18, BJW18b, BJW18a, CHO9b, DP16, EVLW17, KY19b, MO10, MT06, VP10, ZS14, ZFZ14]. Forward-Backward [BP16, DP16, MO10, MT06]. FOSLL* [LMW15a]. FOSLS [FM08]. foundation [Ber97]. Four [AO17, MM14]. Four-Dimensional [AO17]. Four-Field
Fourier [BLS09, CRMC12, EMT99, GHR13, GMS18, RAT18, AT19, AD96, ACD+08a, AS16, BS94, BBBV13, BMaK19, BR95, BR18, BVV08, BIA05, BHM19, BS06b, CI19, CFY18, CDY07a, CD13, DG17a, DGLW16, DR93b, EB01, EKSS16, FO08, FMB13, Gar00, GGL09, GP16, Goe97, GHR12, Heg95, HHvR03, HKM97, Huc08, Inv02, KV12a, KRG019, KM12, Lyo11, MH16, NP96, NL99, NNH99, OW02, OGO16, Pek12, PL03, RGOY10, RO12, RO15b, Sch96, WOW00, WO01, WM05, XAW17, Yin09, ZF09].

Fourier-Based [CD13]. Fourier-Cosine [FO08].

Fourier-Based [CD13], Fourier-Cosine [FO08].

Fourth [AP12, BS05c, BGN07, BT97, GB06b, Hen05a, KT05, LPR02, LD16, MN18, PL03, RWX07, WP19, CZ12, ZF14, Zha18a, ZsSpH14, She94, She95].

Fourth-Order [AP12, BS05c, BT97, GB06b, Hen05a, KT05, MN18, PL03, RWX07, WP19, CZ12, ZF14, Zha18a, ZsSpH14, She94, She95].

fPINNs [PLK19].

FQMR [SV01].

Fractal [PD15].

Fractional [AN17, AG18, ALLK15, AF15, BKM19, BCF13, BHK12, CRMC12, CZ15b, CZZK16, CK17, CD15b, DMS18, DW15b, FMYT16, FF15, Fis19, GR17, GRPK19, GLW18, GZT+19, HO18, HP14, HLW00, JLZ16b, JLZ17, LHL12, LMM18, Li10, LW27, LZK17, LX16c, MS17, MMR19, Nik13, PKNS14, PW16, PLK19, SXK17, TSX17, WB12, WMHK19, YTL11, ZK14a, ZK14b, ZCZK14, ZAK15, ZLLT13, ZZK15, ZLLT15, ZMK17, ZTBA18, ZsSpH14, ZZ16, ZLTA15].

Fractional-Step [BCF13].

Fractional [BPS13b, BPS13a, BS19, EdDP09, HTW+12, HGPM14, MM07, PeD12, Wi17].

Fractured [AFRV19, AGPR19, CDF18b, SCC17].

Fractures [FK18, MRR05].

Framework [AG16, ACD+08a, ACD+08b, Ban08a, BS16a, BBH+16, BBD18, BTGMS13, CHH19, yCWHJ12, COK15, DO11, DSZ13, DGVdZ18, FCF14, GH18, GPA18, IA14, JHJ12, JMS16, KLRU17, KR00, Kye12, LL19, Lee12, MFSY19, MTB17, OS14, Pek12, PXYY16, PMSG14, PBV18, San10, TC12, TII15, TTY16, WL13, ZAD+16].

Frank [MZWG16].

Fréchet [AMHR13, HR14, KR17, LKvBW10]. Free [ARM+19, AS06, BDM+18, BGM13, BTO08, BB15c, Bog14, Bu97, CF98, yCWHJ12, FK00a, GYO2, GCG+19, GJZ18, HKF+13, HV01, HQL+16, HY10, HHLW15, KZ15, KRD18, KV13, KGT07, LP08, LT09, LxHJ16, MS06a, MT99, PDH09, PTvR+14, RK07, Sch02, Str94, TY00, TII15, WL13, WW09, ZI10, YH17, vKA11, vdZvBd10a, vdZvBd10b, ACW12, Bru15, Fre93, SKF18, TR93]. Free-Boundary [vdZvBd10a, vdZvBd10b].

Frequency-Adaptive [IJ08].

Frequency-Domain [vLH14].

Frequency-Limited [BS16a].

Friction [GdlF+18, HMW07, HSW08].

Frictional [CHH01, HSWW08, Kra09].

Fringe [NNH99].

Fromm [DT00].

Front [Aru12, BLGL11, BCS11, DL97, Dk00, GT98, GBCT10, GGL+98, GST+99, GM13, HC95, HY08, Hwa07, L595].

Front-Tracking [HY08].

Frozen [vLH14].

Frozen [vLH14].

FSAI [JFG10, JF11, JFG13].

FSAI-ILU [JFG10].

Fuel [BK00b].

Full [CGK+98, CCG+14, EZ11, FEM08, MBVO13, PBC05, RGOY10, ZF09].
SKN19, TH17, YHC16, YBM+18].

Full-Space [YHC16]. Full-Tensor [FEM08].

Fully [ABR17, AW15, AH06, AHH12, BLR14, BW01, CG18, CF00, FCC10, GZYW18, GZW18, GVMM14, HYC15, JLZ16b, KS18, KPW17, LVWW03, NT18, TKCC13, Wic17, YCC10, YC14, Lam97].

Function [AP14, AP01, ADH99, AM05, BLB00, Bur97, DFQ14, FMYT16, FT03, Gar97, GD07, HQR19, Hei13, HR14, JK07, JK10, JBL18, KR17, KV96, KMV05, KO99, KL13b, KHRvBW14, Kup01, LS17, LW19a, LW17, MR94, OGO13, Pir16, Rad16, RT11, RM08a, SX16a, SX17, SQ02, TEE+17, WDG+18, Wen08, Wen10, WRS08, XEG06, XS17, XKWY08, ten95, Car93, OS95, PM95].

Function-Based [Rad16].

Function-Related [FT03].

Functional [CCH15, DP17, DMN08, HSF07, HZ11, KY19a, LY13, LD03, MP08, NR98, NMFP16, UWX+15, WL08, WH13, XZR11, ZKV99].

Functional-Differential [ZKV99].

Functionals [AL07, GRPG01, Ho04, MP07, OB05, SCDM+10, SBP04].

Functions [AMVR17, AM18, ALLK15, ACCP13, BLMR02, Bao00, BO07, BT04, BN98b, BF13, BNP15, BGM09, Bre17, CHR99, CGS02, CB02, CVW06, DFS17, DZS09, DG17a, DGK98, EHL05, FL18, FP07, FLF11, FS08, GLR07, GC19a, GJZ18, HK17, JP16, KL94, LLHF13, LW16, LS00, MS06a, NH18, NSJ03, OR18, Rah13, Ros05a, SB13, Str95, TV98a, TW16, WSK99, Wei17, WTW17, WJMT15, XZG05, XAW17, ZCK12, ZZ18, dBMZ11, FS96, NCV06, TME93].

Fundamental [AFF+15, AA13, SK05].

Further [CLMM00b, GG95, LZ99a]. Fusion [PVK16]. Future [EMT99]. Fuzzy [CHX15, CRV13, vdHCD15].

G [CGQ10]. G-NI [CGQ10]. GaAs [CCM05]. GaAs-Based [CCM05].

Galerkin [LWZ17, PP08a, SBND11, AB17, AM19, AW15, AGH13, AFRV19, BB13, BDGK18, BBH18, BB15a, BS15a, BS16b, BK00a, BT97, B93, BCS11, BBT19, BDK12, BMV11, BSU19, BKBT18, BG13, BG04, CDG17, Cas02, CNP12, CKQ14, CN99, CW17, CHW17a, CHW17b, CMS17, CVK13, CC19, CHH10, CDG+09, CS16, CGP19, CGI11, CR13, CP19, CKRS07, DLM16, DHJW08, DAE02, DMRR19, DHE13, DWQ19, EKS15, EAS08, EAS11, ETLW17, EPSU09, FKR19, FS14, FF05, FHL13, GKI11a, Gas13, GvdV17, GHH07, GL08, Gi18, GL+14, GK19, GG19b, GGK04b, GXL16, GC16b, GC17b, GY17, HHH17, HHE10, HOS56, HI02, HIvR03, HIT16, HS18, HS99c, HJX15, HX113, Kan03b, KPS19a, KZK17, KMSM18, KSI1, Kim05, Ko08, KL13a, KG14, KL13b, KT08, KW18, KO13].

Galerkin [LS99, LV13, LLW16, L12b, LLLX16, LFK17, LY14, LX16a, LSZ17, L1T18, Liv15, Log08a, Log08b, LMW04, MN07, MRFV18, MMT15, MTR13, MTR15, MRR13, MS16, MV17, NP17, ORST12, OLMW08, OP08b, Pe05, PSS17, PoH09, QS18, QS05a, QS05b, QS08b, RMC12, RG09, RSA05, ST08, SW18, She94, She95, She97, She99, SW16, S10b, Smi97, Str00a, SL09b, TCA19, TV11, TY15, UH10, UEE12, WH115, Win10, WvdZvB18, WS18, XQX15, Xu04, XS08, XOMN10, Yan14, YCS16, ZCL+11, ZP18, vSR11, vdVXX19].

Galerkin-Characteristic [EAS08, EAS11].

Galerkin-Projected [SBND11]. Games [And17, AHJS01]. Gamma [GST12, KB96, Luu15]. Gap [ABLM19].

Gaps [GK03, HL16]. GARK [SR19].

Gas [BCM15a, CGK13, CF07, LL98a, LXL11, N+14, KL06, SMZ18, Ste11, TPW09, Xu99, YHS07, LL94, SRTGC93].

Gas-Kinetic [LXL11, Xu99]. Gaseous [VN03]. Gauge [BHST08, Ch09, DLY16].
FM16, GS16, GH13. **Gauge-Invariant** [DLY16]. **Gauant** [RY03]. **Gauss** [Alp99, AM95, BR02, BMF12, Bog14, CDC19, Day98, EJ08, FMRR13, GK11a, GST19, HT13a, HNR17, JM18, KS17, Lan10, MR17, PZPR07, SG10b, Swa02, TW09, Ver94, WG18, dSK11]. **Gauss-Quadrature** [KS17]. **Gauss-Trapezoidal** [Alp99]. **Gaussian** [AM04, ACW12, Bar12b, BGR10, BTGH12, CL18b, CS14, DLY16, DN97, DW15a, FM12, FLF11, Fra98, GC19a, GS14, LQ19, LLHF13, LCL18, LD04, MC05, PF12, PM03, PRM09, Rag95, RPK18, Ros06a, Tan93, WTS94, Wri93, Zim13]. **Gaussian-type** [MC05, Tan93]. **GCROT** [HZ10]. **GCV** [RVA17]. **GDSW** [HKKR19, HHK19]. **Gear** [PS97]. **Gegenbauer** [GJ05, Jac03, Kei09]. **Gel** [WGF08]. **Gelation** [WF00]. **General** [ABK11, AH09, ADK\(^+\)98, BK06, BCR99, BBD16, Bör07, CS99, CG95, CGG07, CCA03, CS10c, DO11, DN19, FL08, GHHH17, GW15, HR96, HV01, HDZ16, Hum95, KL15, KL94, KKS13, KHE07, KHW\(^+\)14, LCC14, LSC03, wlxY00, OST11, PDA09, QZZ14, RK07, Saa96, SZ99, SS99, TGS08, Vas10, WMHK19, Wat04, WZSL12, WT16, Xia13, XZB11, Zen16, ZV05, ZSB16, WTS94]. **General-Form** [KHE07]. **Generalised** [Kas95]. **Generalized** [AOR18, ABP18, BS05d, BLS09, Bet08, BZ15, BCH12, BGR10, CC16, CC09, CC12b, CB02, cYWHJ12, CS17, CP17, DB98, DZ15, DF10, EHL05, FCF14, FCC10, GH13, GK00, GN14, GR02, GLMN15, Gy02, Hös94, HLW13, IT09a, JNZ17, LV98, Lan10, LSV17, LMRS15, LCN14, Lee14, LL08b, LK04, Nas09, NV08, NvdP00, PeDd12, RMR15, SS98, SVgi0b, SQO02, TLN14, VYX16, WK06, XLS18, XKWY08, YR98, ZZK15, ZMK17, Zhu97, ZLG98, BD93, BZ93]. **Generalized-Laguerre** [BL509]. **Generalizing** [ET01]. **Generated** [CV93, GKL08, LST07, NSJ03, FS96]. **Generation** [AKM\(^+\)13, ADM\(^+\)15, BW09, CHR99, CWL\(^+\)14, DF10, FHH\(^+\)18, GVP06, HW14b, HBJ04, Kav15, Km96, KR00, LC08, LCL18, Mac98, MBB\(^+\)16, OLW08, SP03, SSW18, Sch18, SKF18, SK19, de99]. **Generative** [GH14, KPPS14]. **Generator** [GS14]. **Generators** [LSW02]. **Genetic** [AD18b, MRS16, RS13]. **Geodesic** [OW02, SBK18]. **Geophysical** [FHR14]. **Geophysics** [CGL\(^+\)12]. **Geostatistical** [Hri03, Hri05]. **Geostrophic** [CLP08]. **Ghost** [GTK\(^+\)17, LXK08, OZ16, WLK06]. **Gibbs** [FP14, Hri03, Hri05, JBL18]. **Gilbert** [BBP13]. **Ginzburg** [DJT08, GS16, Mu97, MDC98, NR98, VO19]. **Given** [BF16, SSDN12]. **Global** [BBKK97, BTGMS13, CP04, CV94, CGDD11, FL08, GP\(^+\)14, GAMV13, GJM94, KH14, KL13a, KW10a, Kul12, KW15, LV07, MS07d, PRM09, RW97, TGS08, vdHCD15]. **Globalized** [vWBV09]. **Globally** [BK08, BM01a, PB14, TBF14, XKO8, YSK19]. **Glued** [DP05]. **GMBACK** [Kas95]. **GMRES** [ADGP07, BCGR98, BDJ05, BKL\(^+\)17, BM01a, CGL\(^+\)12, CGL\(^+\)13, De12a, DP03, EMIN17, FG98, GAMV13, GGL07, GGPV10, GT94, Jon94, KX96, LS05b, LMW15b, Meu11, Mor02, PP08b,
Saa93, VL10, WOW00, WWJ12, RF07.
GMRES-Based [Jou94]. GMRES/CR [GT94]. Goal [CPB13, CCH15, DMRR19, LW12b, LW14, PDTVM08, RL13, SCW+17, vdZvBdB10a, vdZvBdB10b].
Goal-Oriented [CPB13, CCH15, DMRR19, LW12b, LW14, PDTVM08, RL13, SCW+17, vdZvBdB10a, vdZvBdB10b].
Godunov [DW97a, NMAB11, Pem93, ZMC94].
Godunov-Type [DW97a].
Golub [GSR19].
Good [HW14b, ST97, Ten98, Wan07b].
Gordon [BDZ13, Zhe07].
Governed [LU17, LN05, SS95].
GPBi [Zha97].
GPBi-CG [Zha97].
GPS [CP03b].
GPU [BBD18, BTK19, CW17, CHJ16, FMYT16, GHS+15, GHS+09, HEGH14, LSN17, LGH+13, MDM15, NAC+15, RL18, RNR16, RHSK11, VTD12]. GPU-Accelerated [GHS+15, CW17, CHJ16, VTD12].
GPU-Based [GHS+09]. GPUs [DCP11, GLSTV16, YTD15].
Graded [KKS08, WWH17].
Graded-Based [KKS08].
Graded-Based [KKS08].
Graded-Based [KKS08].
Grades [ABBM98a, ABBM98b, AFRV19, BGOD08, BKS98, BL05, BKS98, CH94, CKV99, DFM08, G¨ar09, GGL09, GZW18, GOV06, Hen05b, Hen06, HH11, KH00, KP12b, LE10, LO14, LDM00, Mac98, MV09, Man95, NX12, PZZB15, Pet99b, RT01, RW01, RHSK11, SJ09, SR16, SBB16, TW05, TC12, Wan01, WM11, WK03, WPG13, Wu99, Yam02, YPHH17, YYY11, Zen16, ZF09, Zic12, bZOW07, BZ96, Pet93].
GRINS [BS16a]. Gross [DK10, DP17].
Ground [BD04, BL08a, DP17, VS17].
Ground-State [VS17]. Groundwater [JKKM01]. Group [GL18, KV12a, MW08a].

Groups [Mit08]. Growing [FF06, FFSS13].

Growth [BHVO5, Bo13, BCG+10, CS94, KLT06, KW10b]. GRP [WT16].

Guaranteed [CC06, CC11, LC05a, LC08, NN12, Wal13]. Guaranteed-Quality [Wal13].


h [ST98]. Hadamard [KP17]. Haemodynamics [CDFQ11]. Hagedorn [FGL09].

Half [DT00, GHTW00, HPZ19, LK17, NN05]. Half-Quadratic [NN05]. Half-Space [DT00].

Half-Quadratic [NN05]. Half-Staggered [GHTW00]. Halftoning [GPS12].

Hamilton [AB09, BFS16, BHT11, BL03c, CCF12, CDFQ11, CHMR10, DW94, EOD95, FLS04, HH19, HL06, LP90, MG01, MN07, BK14, KPT16, KMN15, KH14, KL13, LQ19, LMMR00, LMR00, LQ12, MZ94, OR18, PABG11, WMUZ13]. Hamiltonian [AL17, AR99, BCF01, BLM01, BCG16, JWH08, KP12a, MW01, PM16].

Hamiltonian/Hamiltonian [MW01]. Hamiltonians [GLQ18, JWH08, SH01].

Hanging [ACK19, ZMS10]. Hankel [KG18]. Hard [BL07b, BL08b, BMG17, KKL13, TW13a, TW95]. Hard-Sphere [BL07b]. Hardware [SW15].

Hardy [NHSS13]. Harmonic [AA02, BB10, BHNPR07, CGG+14, CWZ07, CHMR10, DLTZ06, EDGL12, HY14, JN01, LH19, MMT15, MZ94, OR18, PL12, RL10, RGG06, RT05, VK15, VXY16, V019, Xue18, LX16b]. Harmonics [FF05]. Hartree [KKF11]. Hash [CRR18, RNR13, TAHR15].

Hash-Based [RNR13]. Hastings [Wal14]. Having [JW05]. HDG [BT16, CSS12, MTBT17].

Head [CHH19, WKM+07]. Heart [Gob08, KLI0, WOH08]. Heat [ACL09, BK98, BK99, CIZ18, Don06, DP16, EAS08, EBR00, GS98a, GR17, HT13b, KS14, LG09, MST15, MB19, PNP13, SK05, Str94, SD11, VP14, VB07, Xu99]. Heavy [CHL16a, WY19]. Heavy-Tailed [CHL16a].

Held [ST16b]. Hele [ZLY+18]. Helmholtz [BZ96, Bar14, BFS03, BGM09, BIA99, BIA05, BB13, CD13, CWX15, CG17, CGP19, CRV14, EEO01, ED95, EO05, GMN02, GZ16, GH13, GMI04, GHR12, GHR13, GD03, HRT03, HIT19, HZ16, HL17, HW09, KMW15, KK02b, KL13a, LQ19, Lt99, LMMR00, LJJ19, LY16, LB06, Liv15, MRS04, PATF19, PELY13, SAB14, TET10, YBL16, ZND18, ZZ18, vGEV07].

Hemodynamics [BCF13, FGS14]. Hermite [AHV18, BS05c, BLS09, BIA94, BR95, HOY03, MS07d, MS17, SV13, Tan03, VMM13, WB00, XH15]. Hermitian [BCR03, BGY05, BGL06a, CGL+13, CT94, FF94, FGN93, Fre93, FS08, HSTP04, KPT16, KMR01, LAN19, LXV+16, MS06b, PPB13, STA07, SM07, SVX15, T03, VD10, VK15, VXY16]. Hessenberg [BK17, AKK18, KT15].

Hessenberg-Triangular [AKK18, KT15]. Hessian [BGR16, BBR08, BGTH12, DM16, FWA+11, HMT10a, KH14, LMSS97, Mön08, PABG11, WMU13]. Hessian-Based [BTGH12, KH14]. Hessian-vector [LMSS97, BBR08]. Hessians [GTMP07, Sch18]. Heston [HiH18, iW11].

Heteroclinic [LMR97]. Heterogeneous [BLS14, BGS09, BK17, CSS10, CHW17b, CMS17, CYVK15, CDB13, CK07, EO05, GV19, GC19b, HMRR19, HMN+13, K02b, KLL+16, L04, MCL19, MB19, PELY13, RSG17, WPT17, YS16]. Heuristic [GG18, HR96, MZW09, JP93]. Hexagonal [WL11, ZF09]. Hexahedral [RW01, SJ09]. Heyman [DS96]. Hidden [TB02]. Hiding [GAMV13]. Hierarchic [AA00].
Hierarchical [ABLM19, BGL14, Bör09, BTK19, BIA05, BFI07, DKS18, Etter16, FHH+18, Fra98, GRS+15, GKS98, GMPZ06, HS06c, HLR18, ILW17, JO18, LO11, MDC08, Ong97, OVV17, PCD17, RW07, SLO13, VW98, Ain96].

Hierarchically [GCG+19, Nov15, WLX+13]. Hierarchy [FR15].

High [ACVZ12, Abg09, ADR14, Ain14, AHT12, ADGM98, ABIGG16, AT19, ADK+18, ANP00, BB17, BT06, BOB+19, BMF19, BAFF00, BM08, BBI+16, BM05, BPR99, BBD16, BZ15, BLR14, BER17, BV16, BTT13, BP06, BTWG08, CI19, CL11, CL18b, CSS93b, CDK19, CS18a, CW18, CGV18, CMM00, CCS03, CW15, CDF18b, CLAT10, CD15b, CJGX15, CMO10, CFJT18, CK94, DW97a, DW98, DHHR09, DKK12, DKK+19, DMRR19, Dor10, DS16, DWQY19, DMD+12, DMK14b, EIL+09, FFR13, FMW19, For06, FM07, GH07, GH15b, GM17, GG19a, GM14a, GG19b, Gob08, GV16, GH14, GM15b, GM19, GX16b, GC16b, GLW18, GM04, GN07, HHT03, HLD12, HJ18a, HJ07, HBL05, HRT13, Hen06, HV07, ISG15, Jam98, JK07, JK11, JW13, JZ17, JZ00, KK18, KP09a, KK98, KL05, KPL13, KV05, KK02b].

High [KW16, KS14, Kup98, LD12, LO11, LAC14, LQ19, LS95, LFB13, LOL13, LL00, LG09, LLL16, LT00, LS21, LG19, LLZ19, LSM93, LX16b, LNA+11, LX16c, MXB15, MXYB16, Mat18, MC10, MRS14, MDC08, NHSS13, NX12, NJ14, NH12, NS06, NKM10, ODN17, OS07, OR18, PDA09, PJ96, QS18, Q508b, RKL07, RW07, RMBO0, RMC12, Ros05a, Ros06b, SRS19, Say15, SLvdGK14, SKWK18, SY10b, SY12, Sma04, SD10, SC98, Ste16, Str99, SJD14, TW05, TCZC19, TAY+19, TM14, TPB17, VB07, Vill15, WS05, WMC12, WBTG18, WSK99, Wem08, Wen10, WMBT19, Win06, WRS17, WSX17, XB16, QXQ15, XH05, YCS16, ZNZ16, ZS03, ZLS12, ZSB16, Zha18b, ZFZ14, ZLTA15, ZLJ96, Zin00, bZOW07, vdhCD15, BSMM16, BY93].

High-Accuracy [Dor10, JZ00, ZLJ96, Zin00].

High-Dimensional [BTWG08, CL18b, GH14, GC16b, HJ07, JK07, KK18, MXYB16, NJ14, PVK16, RW07, SY10b, SY12, Sma04, Ste16, WS05, bZOW07, vdhCD15].

High-Fidelity [NKM10, TAY+19].

High-Field [GV16].

High-Level [FHFR13]. High-Order [ADR14, AHT12, ADGM98, ABIGG16, AT19, ADK+18, BT06, BOB+19, BMF19, BPR99, BBD16, BZ15, BLR14, BTT13, CI19, CDK19, CS18a, CW18, CGV18, CMM00, CDF18b, CM010, CFJT18, DW97a, DW98, DKK12, DKK+19, DMRR19, DWQY19, DMM14b, GH07, GM17, GM14a, GM15b, GM19, GN07, HHT03, HRT13, Hen06, ISG15, JZ17, KP09a, KKL05, KPL13, KW16, L011, LL00, MC10, NS06, ODN17, OS07, OR18, PDA09, PJ96, QS18, RKL07, RMC12, Ros05a, SRS19, Say15, SC98, Str99, SJD14, TM14, TPB17, VB07, WMC12, WSK99, WMBT19, XH05, ZS03, ZFZ14, CSS93b, LSM93].

High-Performance [BB17, Mat18, PBP13, WRS17].

High-Resolution [BAFF00, CCS03, FC07, HBL05, Kup98, LD12, LFB13, LOL13, LT00, PL06, Ros06b, BSMM16].

High-Reynolds [BY93].

Higher [AABM13, AL97, BCR11, BM11, CG07, DFS17, DS14, DGP18, DSK97, GMvdV18, ILK05, Kye12, LE10, Lin06, LD04, MGG19, PWF18, Pem93, PRM97, RRR05, VVM12, WGT14, XH15, YSS07, Zha18a, dVOM08, vdvX19, ZMC94].

Higher-Dimensional [DS17, LD04].

Higher-Index [AL97, PRM97].

Higher-Order [AABM13, BCR11, DGP18, GMvdV18, ILK05, Kye12, PWF18, VVM12, YSS07,
Highly

Hilbert

Hilliard

Histograms

Historical

HITS

HLLC

HLLC-Type

Hodge

Hodgkin

Hole

Hole-Cutting

Holm

Holonomic

Homoclinic

Homogeneous

Homogenization

Homology

Homotopy

Hopf

Hopfield

Horizon

Householder

Householder-Adaptive

HPC

HQQRP

HSS

HSS-Structured

Huber

Huber-Type

Hyperbolic

Hyperbolic-Parabolic

Hyperbolic-Type

Hyperbolization

Hypercube

Hyperelastic

Hyperelastoclastic

Hypergraph

Hypergraphs

Hypergraph-Based

Hypergraphs

Hypernetted

Hyperrectangles

Hypersingular

Hyperspectral

Hyperspheres

Hypersurfaces

Hypre

I/O

I/R

IC

Ice

Icosahedral

Icosahedral-Hexagonal

Ideal

Identification
Identifying [AD15, EMSW12]. IDR
[SS10b, SvG08, Sou12]. IEEE [MRV06]. IEEE-754 [MRV06]. Igatools [PMCA15]. Ignition [BK00b]. iHDG [MTBT17]. II
[ABBM98b, AHT12, ADH99, ACD+08b, BT06, BG05b, BM10b, Bur14, CM98b, CW14, CHL16b, DB94, DF99, FGMP14b, GS02a, GHR13, GM96, Kes97, KGGS10, LP08, LNZ19b, Log03b, MMT96, NN17, Nat97, Pen93, PMSG14, ROO08b, She95, SY12, SM07, VW98, WT17, YZ08, ZLBC03]. II. [CPV95, SVX15]. III
[ABH03, GS02b, Hes98, She97]. Ill
[BS07, Bur13, Bur14, CH17, CCS98, HR96, KO99, Lan10, LM17, MFJ19, NH13, P01, Reg96, RS02, SBC93, TO15, VW94, DI 95, H093]. Ill-Conditioned
[BS07, CH17, CCS98, MFJ19, P01, DI 95]. Ill-conditioning [SBC93]. Ill-Posed
[Bur13, Bur14, KO09, Lan10, LM17, Reg96, RS02, TO15, VW94, HR96, H093]. ILU
[Bo03, PV95, CMV97, Gup17, HS06c, INS05, JFG10, KOV15, MW13, Saa96, Sza99, Saa03, Saa05]. ILU0 [GM15a]. ILUM
[Saa96]. ILUs [BS05f]. ILUTP [May05]. Image
[Ami94, BV03, Bar12a, BDE08, BDR18, BM18, BNFS13, CDBH16, CGM99, CMM00, CCSS03, CC03, CC11, CJK10, CMSS06, DEC05, DGP10, DMN08, FNNB05, FN06, GYO5, GMS02, GLN09, H050, HMM07, HMM08, HW01, HO03, H05a, HLM96, HS06d, HB08, HMMC18, KY03, KRDL18, KHKL16, LFB13, LRT11, MR17, MB17, MGBD19, NY010, NY11, NP14, NN05, NNT13, WBFA09, WNC08, ZW+13]. Image-to-mesh [CC11]. Images
[BBWS16, BNP15, CCSS08, CC10, GHS’09, HLZ13, Mit08, NO08, YZY09, Gu93]. Imaging
[AILP07, AKLP10, CHH19, CJNI3, FHR14, JBL18, MSL13, Tim19, XK08, dSK11]. Imbedding [PV94, PV95]. IMEX
[BR09, BM15, BM13, SPW18]. IMF [VM13]. Immersed [AL02, AC04, AC05, AM19, BMDO16, BFG19, CB17, DK03, FGMP13, FGMP14b, FK00b, GY06, Giv12, JPO06a, KLJ10, LHL12, LL97, LL03a, LP04, MR18, TLLK09, TP09, VP10, WFAP15, XW05, FGMP14a]. Impact
[Kaw15, SCS04]. Impedance
[BCH12, CHH19, HHMS15, KH00, vdDA12]. imperfect [LP06]. Implementation
[ABH03, AH06, AW11, BM12, BB02, CVW06, Drm97, DG09, DSYG18, FN94, GCB15, GLR+16, GMT98, HS05b, HKR16, HWD02, HS17, HMR09, HC98, KR06, Leh15, LZ99a, LXES19, LT14, MCT+05, MLL13, ML07, NRZ11, SM07, VW98, WL13, XH15, ZK96, GFGN3, Got94, Heg95, Log03b, Smi93]. Implementations
[BDM+18, GKNW18, Ket08]. Implemented [Yan19]. Implementing [LST07, LZ99b, YYWY18]. Implicit
[ALJ99, AAH98, AHH06, ACF09, BF06, BZ15, BPR13, BM15, BQR18, BW01, BHK12, CB98, CZZK16, CCM08, Che16, CCG14b, CS10b, CMSS06, CPB19, DW98, DLM16, DMD+12, DB07, Epa97, EF05, GH18, GRL10, GKC13, GX16b, HC05, HMR09, HHC15, JLP18, JR06, JR98, KSM18, KW15, LL02, LM05b, MR09, MNS07, MO10, NRW09, NK10, ODN17, OS98, PP05, QS18, RMC12, RG09, Sem10, SK00, TKCC13, VO05, VD01, VS04, WSA16, YCC09, YC14, ZEG19, ZTBK18, ZS16, ZS02, dLRT09, vdVXX19, BCT05, GC16a, KS13, LAM97, Lie93, TV93, vd97]. Implicit-Explicit [AAH98, BPR13, BQR18, CZZK16, CS10b, DW98, GKC13, JLP18, ODN17, VS04, ZS16]. Implicit-Modal [KSM18]. Implicit-Solvent [KSM18]. Implicit/Explicit [DMD+12]. Implicitly
[BCR03, BR05a, DPF15, JN10, LVW03, PHA18, Say15, ST16b, SSW98].
Importance [EBSS+11, Kaw17, Kaw18, Kol99, MDG+18, QDKW18, ZWH+14].

Imposed [BBS19, Vill09]. Improve [DJ07].

Improved [AC14+11, AMH12, ALRT17, AL07, BGH+03, DFM00, DG16, FO19, HL95, HR98b, JSPC97, Joe95, Lee10b, LGP14, MT19b, Nok00, PQOB14, Pol16, RX17, ZF14].

Improved-Quality [Joe95].

Improvement [BGS17, BDE08, TEE+17]. Improvements [BMR10, Cho01]. Improving [AAB+15, BDJ05, CZ13, GSS00, GG10, HSTH18, JSPC97, Joe95, Lee10b, LGP14, MT19b, Nok00, PQOB14, Pol16, RX17, ZF14].

Impulse [CC08, Cor98, MIS03]. Impulsive [YZY09].

Inaccuracies [CSS09]. Inaccurate [Kou09, TEE+17]. Including [CAB04, JSV10, LM12, MN11]. Inclusions [AIL05, AILP07]. Inclusions [BSS19, BSvD99, BSvD99, BMMM08, CLNZ16, CP15a, GST12, GG10, HSTH18, LL17, LM99, MOKS12, MG07, Man95, Meu01, MM95, MM98, MNNO0, PSLG14, RT10, ST14a, ST14b, ST16b, SKN19, VM13, WGB97, WZSL12].

Incompressible [AMMR10, AMM+10, ABM+13, AB19, AABM13, BB13, BBW13, BCLT15, BSSW13, BL07a, BW11, BS15a, BKBW19, CPW15, CC12a, ICCVEK17, CHH10, CST+13, DDO0, DL17, DLT05, EAS11, EMSW12, Fa03, FMW19, FF05, GHTW00, GHST08, GKS08, GM15b, GM19, HKH19, HB97, JK00, KGS10, KCZ15, KPS19a, KOV15, KBG18, Kup01, LW12a, Lay96, LL03a, LPMR19, Lu01, MS06a, OSCE00, PWZ10, PT01, PSC+16, SBHS19, SY10a, SWT00, SF99, SO09, TL17, TLLK09, TAY+19, WGS17, ZHS10, ZVF18, ABS96, ABCM97, SS93c].

Incorporate [LP03]. Incorporating [IP06, McG05]. Incorporating [MKRK13, RZTK+15, vSRV11].

Incremental [KG+08, ZCC+16].

Indefinite [BHT00, CKY98, CPS11, DKXS18, EPV94, GW98, GG03, HS06a, HSCTP04, MM19, MGW00, NV98, PV95, SIS96, ST98, YK13, XS17, dSL05].

Independence [FL18, FK00a].

Independent [BBC07, BWV03, CKLL16, DP10, HTB+05, JK12, MXB15, MR07].

Index [ABST13, AL97, BBC07, GSP95, GW00, MB00, MB02, MS03a, MMVW13, PRM97, RMB00, RNV17, Sch05, TBKF14, Lam97, MT97a]. Index-[ABST13, Lam07, MT97a].

Index-Aware [ABST13]. Indexing [BG12, ZS99]. Indicator [Ber98b, Pic03]. Indicators [QS05a, VR16]. Indices [HAG17].

Inertial [CP95, LR07, SW08]. Inertial-Gravity [LRP07].

Inertial-Addressing [CC99, DMM+16, Cla98a, KWW13, LRP07, LP08, NG18, SE16]. Inductance [MS07c].

Inclusion [HS09a]. Inductive [LNS19a, LNS19b]. Induction [HS99a]. Inductionless [LNS19a, LNS19b]. Inductionless [HS99a]. Inductionless [LNS19a, LNS19b].

Induction [HS99a]. Inductionless [LNS19a, LNS19b]. Inductionless [HS99a]. Inductionless [LNS19a, LNS19b].

Inductive [BG12, ZS99]. Induction [HS99a]. Inductionless [LNS19a, LNS19b]. Inductionless [HS99a]. Inductionless [LNS19a, LNS19b].

Inductive [BG12, ZS99]. Induction [HS99a]. Inductionless [LNS19a, LNS19b]. Inductionless [HS99a]. Inductionless [LNS19a, LNS19b].

Inductive [BG12, ZS99]. Induction [HS99a]. Inductionless [LNS19a, LNS19b]. Inductionless [HS99a]. Inductionless [LNS19a, LNS19b].

Inductive [BG12, ZS99]. Induction [HS99a]. Inductionless [LNS19a, LNS19b]. Inductionless [HS99a]. Inductionless [LNS19a, LNS19b].

Inductive [BG12, ZS99]. Induction [HS99a]. Inductionless [LNS19a, LNS19b]. Inductionless [HS99a]. Inductionless [LNS19a, LNS19b].

Inductive [BG12, ZS99]. Induction [HS99a]. Inductionless [LNS19a, LNS19b]. Inductionless [HS99a]. Inductionless [LNS19a, LNS19b].

Inductive [BG12, ZS99]. Induction [HS99a]. Inductionless [LNS19a, LNS19b]. Inductionless [HS99a]. Inductionless [LNS19a, LNS19b].

Inductive [BG12, ZS99]. Induction [HS99a]. Inductionless [LNS19a, LNS19b]. Inductionless [HS99a]. Inductionless [LNS19a, LNS19b].

Inductive [BG12, ZS99]. Induction [HS99a]. Inductionless [LNS19a, LNS19b]. Inductionless [HS99a]. Inductionless [LNS19a, LNS19b].

Inductive [BG12, ZS99]. Induction [HS99a]. Inductionless [LNS19a, LNS19b]. Inductionless [HS99a]. Inductionless [LNS19a, LNS19b].

Inductive [BG12, ZS99]. Induction [HS99a]. Inductionless [LNS19a, LNS19b]. Inductionless [HS99a]. Inductionless [LNS19a, LNS19b].

Inductive [BG12, ZS99]. Induction [HS99a]. Inductionless [LNS19a, LNS19b]. Inductionless [HS99a]. Inductionless [LNS19a, LNS19b].

Inductive [BG12, ZS99]. Induction [HS99a]. Inductionless [LNS19a, LNS19b]. Inductionless [HS99a]. Inductionless [LNS19a, LNS19b].

Inductive [BG12, ZS99]. Induction [HS99a]. Inductionless [LNS19a, LNS19b]. Inductionless [HS99a]. Inductionless [LNS19a, LNS19b].

Inductive [BG12, ZS99]. Induction [HS99a]. Inductionless [LNS19a, LNS19b]. Inductionless [HS99a]. Inductionless [LNS19a, LNS19b].

Inductive [BG12, ZS99]. Induction [HS99a]. Inductionless [LNS19a, LNS19b]. Inductionless [HS99a]. Inductionless [LNS19a, LNS19b].

Inductive [BG12, ZS99]. Induction [HS99a]. Inductionless [LNS19a, LNS19b]. Inductionless [HS99a]. Inductionless [LNS19a, LNS19b].

Inductive [BG12, ZS99]. Induction [HS99a]. Inductionless [LNS19a, LNS19b]. Inductionless [HS99a]. Inductionless [LNS19a, LNS19b].

Inductive [BG12, ZS99]. Induction [HS99a]. Inductionless [LNS19a, LNS19b]. Inductionless [HS99a]. Inductionless [LNS19a, LNS19b].

Inductive [BG12, ZS99]. Induction [HS99a]. Inductionless [LNS19a, LNS19b]. Inductionless [HS99a]. Inductionless [LNS19a, LNS19b].

Inductive [BG12, ZS99]. Induction [HS99a]. Inductionless [LNS19a, LNS19b]. Inductionless [HS99a]. Inductionless [LNS19a, LNS19b].
Informed [PLK19].

Inherent [KW10].

Inhomogeneity [LLS19].

Inhomogeneous [ABBMB98a, AM19, FDS13, ZC04, ZB12].

Initial [BHP98, CGAD95, Cas05, CV94, DO12, FS02, For06, GG13, HJ18, I.M07, LM18, LV98, Pat97, R´an93, Sar97].

Initial-Boundary [FS02, For06].

Initial-Value [GG13].

Innovations [Kec97].

Input [AA14, BTWG08].

Inputs [CJGX15, JLP18, XH05].

Insect [EKSS16].

Inspirals [FNL+19].

Instabilities [CSS09, MIS03].

Instationary [And17].

Insulators [ACdS+11].

Integral [JF16].

Integral-Equation [MG19].

Integrals [BT13, BD99a, Car07, EJJ08, GKNW18, GGK04b, Inv02, ISS06, KKS13, LS12b, Li10, LW16, PDA09, Wen08, Wen10, Yun03, YK03].

Integrate [BS15].

Integrate [IT14].

Integrate [AT9, BCR99, BL07b, BV09, BGIW17, CSS09, CKNO6, DEP11, EL06, FFK+14, GV07a, GH18, GM98, GC16a, GS02a, GS19, HS97, JSPC97, KP12a, KKN18, LS12a, LL03b, LD04, Man05, McL95, Mic01, Mis01, PB014, Pat97, PS19, PVC17, PP12b, PP12c, RMR15, Ske00, Vll15, WSV14, Yun03, ZS14, AGC96, R´an93].

Integrators [AB16a, AMH11, BB05, BCSS14, BT19, COR13, CMO10, DMD+12, FMYT16, HLS98, JH04, KM19, LW16, MW08a, MMV13, SFS97, Vll15, CSS93a, LMSS97].

Integro [AH18, SE11, ZV05].

Integro-Differential [SE11, AH18, ZV05].

Integrodifferential [MSW05, Win10].

Intensity [MR17].

Intensity-Preserving [MR17].

Interact [Men94].

Interacting [KKP14].

Interaction [ACF09, BQQ08, BC10, BB15a, BKF19, CV+18, CDFQ11, FNB18, FSG14, FKTW10, GA03, HD10, KV05, LQ12, MKW15, NV08, PVL11, RR98, RW13, ZY18, vBdB05].

Interactions [AKPRB08, DW97a, GGM01].

Interactive [DD+16].

Interconnecting [LOS07].

Interest [GV07b, LQ14, MNvST13, ZBFN17].

Interface [AL02, AC04, AC05, BMD016, BP13a, BEH+19, BFSN08, CFGM11, DL17, DQQ13, DK03, ES17, FK00b, GGLT00, GGZ02, HLLM15, HCRT13, HBSC97, JW05, JLY08, KMW99, KGR16, KLT16, KSB15b, LHL12, LQ19, LQ97, LQ03a, LQ01, LWCL03, LD05, MR18, Mu99, NKM10, QS14, QSV06, Rei18, SSVW17, SF99, TLLK09, Wan04, WCHX14, WX05, ZEG19, ZDO9, ZF14, ZLY18].

Interface-Preserving [SF99].

Interface-Strip [QSV06].

Interface-Type [JW05].

Interface/ Multigrid [AL02].

Interfaces [AWW19, CG09, KPB17, MJR05, MK96, MRS16, WP19].

Interfacial [HM98, MR18, SF99].

Interior [ACC000, BHT09, BB08b, BCL09, CMS17, CSW10, CDFQ11, GDV17, GHKS14, KM16, PLA98, RB+96, RG07, RN14, SVX15, TK13, VK15, WWY11, dMHJ19900].
Interior-Point [ACCO00, CSW10, CFM98, GHKS14, Pla98, PB+96]. Intermediate
[FINL+19, Pat97]. Intermediate-Mass-Ratio [FINL+19]. Internal [DQQ13, Hwa07]. Interpoint [LL17]. Interpolant [AS16, Ber00b]. Interpolants [EM99, FM12]. Interpolating [AF11, BT19, Har11, Hol99, KW10a, Por01]. Interpolation [AGSZ16, AD18a, AWW19, AN16, AKM+14a, BLS06, BLB00, BEE18, BCK+18, BCF+00, Cai95, CD19, Cao07, CV07, CD15a, CW15, CS10a, CH94, CW12, DD12, DFQ14, DMBB10, Doh07, DG16, DHO12, GL18, GLS13, GD07, HV01, ILW17, KLZ+06, KP07, LW19a, LR99, LN04, MH17, MS07d, MC10, NK15, NX12, NX13, OST11, PBWB14, PATF19, PRM09, P96, SV03, SBK18, TGC94, VMM13, Vas10, WCO00, WB00, WGT12, Wel17, WRS08, XH15, XZ10, XZ14, ZN16, ZCK12, ZZ16, vHBTC12, AE95, Anj93]. Interpolations [RKLN07]. Interpolative [LY17]. Interpolatory [BBBG11, GSW13, dSGK+15]. Interpretation [BGMW17]. Interpreting [SS10b]. Interrupts [LNP15]. Intersection [SV08b]. Interval [BDMFSL04, CGS02, GCB04, Kea97, McL12, SV03, Yun03, Jam96]. Interweaving [MSB+15]. Introduction [Elm98]. Introductory [BV19]. Intrusive [GLL+14, GLMN15, GN19]. Invariance [BB05]. Invariant [ARM+19, BP12, BDF08, BV16, BDE08, BBK06, Chr09, DLY16, DDF00, DB94, EL01, EL03, FD03, GSY17, GNPT18, HKM97, LDL99, LSU11, LX16a, VP11, YY18]. Invariants [CHAMR06, SBS98]. Invasion [WP98]. Inverse [AB08a, AMH12, APS14, APS16, AS18, AVBTG17, AA13, ADL+12, AHDK14, BCS07, Ban08a, BL03a, BYZ19, BSHL14, BC06, BK08, BMT96, BT98, BT00a, BCT00, BBFJ16, BCFJ19, Bol03, BS05f, BESS19, BT01, BGR16, BDR18, BBR08, BTGH12, BTGMS13, BGM17, BJW1B8, BJW1a8, BH14b, CDGS05, CBG12, CS98, CHO00, CDY07b, CN10, CC011, CEO11, CS17, CGM00b, CHM02, CFD17, DZS13, EMSW12, FWA+11, GSO17, GNL14, GY02, GS98b, GHR12, GHR13, GMS18, HC05, HCRT13, HP94, Hss94, JFG15, JK14, KY19b, LLZ08, LM14a, LZ17b, LWG10, LNC05, MBG12, MZ94, NP10, NRS18, GO16, PV11, PMSG14, RKvdDA14, RCG18, SSW18, SKN19, SCW+17, SLO13, TS11, TBKF14, TTY16, UG19, WZ03, WBS+17, WBTG18, XYGO01, XK08, YG15, YBHY15, ZN16, ZGA10, CS97, Nag93, Tre97]. Inverse [MG09]. Inverse-Based [BS05f]. Inverses [BT99, BGM17, GH17, HWS05, KRT16]. Inversion [AdSK19, ADLW19, ASS16, BTGMS13, CCC17, CG17, CGMV05, GST12, HFL+16, LYL+11, Luu15, MBG12, MBV13, OD12, PDC99, QQvdG01, RT10, TH17, YBM+18, dSGK+15, vHL14]. Invert [LPS10, ZTK19]. Inverting [GG01, GMV99, We99]. Investigate [vD03]. Investigation [BV19, Lan10, PBJ+96]. Investigations [LL00]. Inviscid [ABC00, FL02, HDF+19, In99, LH00, PM15]. Involving [AOR18, CG18, FF05, KP09a, PDA09, RKvdDA14, SSW18]. Ion [GST+99]. Ionic [XJS13]. Ions [GJLX16]. iPSC [Rot96]. iPSC/860 [Rot96]. IRBL [BCR03]. Irregular [BOPG06, ILK05, JZ13, KK98, SKF18, VO03, WL04]. Irregularly [Har11, PYSG13]. Isaacs [BHT11, HW13]. Isentropic [Egg18]. Island [ABM+13, LL11]. Islands [BM95b]. Iso [YZ08, YZ07]. Iso-Homogeneous [YZ07]. Isogeometric [AB19, BPS+14a, CDPC13, DKSW19, HLT16, HLNS19, PMCA15, ST16a, dvPS+17, dRRG19]. Isometry [BBK06]. Isometry-Invariant [BBK06]. Isoperimetric [GS05]. Isosurfaces [Wal13]. Isotropic
[Kla98a, Kla99, LS12a, LFH19, LS13a, LM08, LM12, LXL11, WMC11, WY19, Xu99, YJ13, YHS07, BPR13]. **Kinetic** [Dor98]. **Kinetical-Consistent** [Dor98]. **Kinetics** [CE16, IP06, VS16, Ver94]. **Kirchhoff** [GSV18]. **KKT** [AVBTG17]. **KL** [LZ04]. **KL-Based** [LZ04]. **Klein** [BDZ13]. **Knot** [BB15c]. **Knots** [PS03]. **Kogbetliantz** [Göt94]. **Kohn** [DLY17, LY13, YMW07]. **Koopman** [DMM19]. **Kou** [Toi08]. **Kriging** [CDW14a, CDW14b]. **Kronecker** [BL03b, BD05, DO15, FT03, Ull10]. **Krylov** [BG05a, BG05b, CGK+98, CC12a, MPS09, PBC05, Ruh98, AA02, BVG15, KL15, MRS07, YHC16]. **Lagrangian** [BW11, BO06]. **Lagrangian-Remap** [BCV13]. **Lagrangian-Based** [BW11, BO06]. **Lagrangian-Remap** [BCV13]. **Laminar** [JMN01]. **Laminated** [Li03]. **LAMMPS** [WSA16]. **Lanczos** [WXS19, ARMNW10, ADRS95, BC03, BF01, CKD13, DGK98, FS12, FGN93, GH15a, GT94, SG15a, DLZ10, M02, YC99, ZTK19, vDeEH05]. **Large** [AVBTG17, AL07, BCR03, BS05a, BW18, BST08, Ban08a, BS05b, BOR97, BSSW13, B03c, BHT09, BPS15, B08, BESS19, BS99b, BCL99, BTGW08, BTGH12, CFR05, CDG05, CGK13, CCQ16, CN10, CP15b, CS17, CG17, CSW10, CMM08, DDM18, DS00, DD00, DJT08, DLP05, DKZ09, EAS08, E05, FWA+11, FSvdV98a, FB95, FGH+08, GLST16, GSR19, Gug16, HN19, HMAS17, HP18, HLS98, Hof04, HL17, J19, J19, JN10, JZ13, KV13, Kus07, Lab05, LM00, LG14, LT09, LGW10, LZ13b, LLXH16, MGB15, MWBG12, MS04, MW01, NNRW09, NvdP00, OK18, PS18, Pen00, RS02, RMD08, R08a, Ros15, Ruh98, ...
Large [YMM14, YSK19, ZYSL15, ZCC+16, AMB94, BHP94, Dax93, DLG97, JS93, ST94, TW93].

Large-Eddy [BST08, EAS08].

Large-Particle [SC02].

Large-Scale [AVBTG17, BCR03, BS05a, Ban08a, BSSW13, BHT09, BTY08, BCL99, BTWG08, BTGH12, CN10, CP15b, CS17, CSW10, DDMQ18, FWA+11, FB95, HMAS17, HPS08, JR19, LT09, LWG10, MWBG12, OKF14, PS18, RS02, RM08a, SBR06, SWW08, SWB16, Sim07, SVX15, VDD19, WM05, Wt01, WRS17, Xue18, YPB05, YMM14, ZYSL15, ZCC+16, BSSW13, BHP94, ST94, TW93].

Largest [HR16].

Laser [CBK18].

Latency [GAMV13].

Latent [ZS99].

Lattice [BS08, BYK05, CLDS19, CKN06, DSB99, Del14, FKK+14, HHSW11, HLLL00, HYYC15, HYC16, JK00, LL03b, Rei18, SR16, SBX+08, WS06, Wan07b, Elt96].

Lattices [SLO13].

Launch [EHW00].

Law [AGH00, CHR02, FMR06, GGK+04a, ISS19, TW17].

Lawrence [DG99].

Laws [AB02, AD06, BLMR02, BF16, BSSW94, BPR99, CGV18, CW13, CW14, CW16c, CL13, yCWHJ12, CK94, DGLW16, DS16, DBSR17, DB07, FK19, GR05a, GB12, GMS02, HH02, HBL05, JT98, JSZ13, KL00a, KN01, KPP07, KPW17, LPR00, LPR02, LLLX16, LD16, LN03, Mar94, NMA11, PR05, PPRS19, QS18, QSO8b, SL11, ST17a, SRR01, SJD14, TW12, Tor12, TLE12, TW95, WD+18, YHQ12, ZQ17, dLRT09, BH97, Pen93].

Lax [JSZ13, Kol99, LD16, MR01, QS03].

Layer [AK09, AH09, ADM+15, Bar14, BWV15, BHNPR07, BS06b, CM98c, FV06, Far01, KP09b, LG09, TT96a, WK18, aKT18].

Layered [CCC18, DG99, HIT19, LLS19].

Layers [BK18, Dur16, Gar94, HMRR19, LM12, LS12b, Luo19, MT19b, RH06, TW96].

Leading [Che05, LLW19].

Lean [KT14].

Lean [LB12].

Leapfrog [Tie18].

Learning [BGM09, BCP15, De 12b, GKH14, GRPK19, SM19, WRR+15, dBMZ11].

Least [AMMR10, AMM+10, AMM+11, ABM+13, AV14, ALMR17, AD15, AMT10, BLH02, BGM13, BT03c, BS99b, BW96, BKMM10, BL03, BM14, CMM00a, CLMM00b, CPV95, Car10, CAS11, CC19, CP17, DMM04, DMM05, DG98, EHS+07, FMM98, FGH07, FS11, FNB06, GW17, GI17, GKK15, GNY18, HLM06, HLM+09, Hok17, HY10, HY14, HJLZ18, JR19, KR18, KMS15, LSH17, LMMR00, LFB13, Lee14, LM15, LMM17, LRS02, LD11, MWY17, NP14, NP17, PE00, PP97, PB+15, QOQ099, RDB16, ST16b, ST17b, Sco17, ST19, SX16b, Sta00, Str93, TZ14, TBO10, Wat98, WPT17, XS16, You94, YYW18, ZCC+16, ZWX+13, ZNX14, ten95, BR95, Dax93, NP96].

Least-Degree [NP17].

Least-Squares [AMM+11, AV14, ALMR17, AD15, AMT10, BGM13, BKMM10, BL03, CPV95, CC19, CP17, DMM04, DMM05, DG98, FS11, GNY18, HLM06, HLM+09, HY10, HY14, JR19, KMS15, LMMR00, Lee14, PB+15, QOQ099, RDB16, ST17b, Sco17, ST19, SX16b, Sta00, Str93, TZ14, TBO10, Wat98, WPT17, XS16, ZNX14].

Least-Squares-Based [MWY17].

Legendre [BK00a, BMF12, Bog14, EJJ08, HT13a, HT14a, HT14b, IBM01, JM18, She94, Sw02].

Leibler [PSSW15].

Lemma [CV94].

Length [MH16].

Leslie [CGGGS15].

Level [BC10, BP13a, BH11, Brel00, CDG03, CGG07, CGL01, CDM+13, Cho09, CJ05b, DS00, DPKS17, EPV94, Fai03, HHFR13, FM07, HK16, HHvR03, KKV13, KKP14, KL15, KS13, KKK18, Lan98, LYLC17, MB17, MO00, MO10, NKM10, QL06, RS00, SF99, TKW08, Ts07, Vog16, WHL18, WWM03, Wen10, WZ19, ZCI06, Ca93, NCV06].

Level-Set [CDM+13, RS00].

Levels
[ABB+16, RNR16]. Levinson [Str00a].
Levy [SB13, CD15b, GDSL14, IT09a, LZ16, LFB08, ZK14c]. Liapunov [CCJ07].
LibMesh [BS16a]. Libraries [DARG13].
Lifshitz [BBP13, AB16a]. Lifting [SV03]. Light [GPZ17]. Lighthill [BCV13]. Lighthouse [JMNS16].
Lightweight [DKKP14]. Like [BGOD08, DMML05, KO99, KP11, WG00, WM11, ABCR93, BN13]. Likelihood [ACW12, TV98a, Zim13]. likelihoods [WTS94]. Limit [ACO98, BS18a, BCK16, BPR13, CDN16, CHL16a, CHL16b, DJT08, DLV17, DKS18, GKD05, JLY08, KSB11, Kla99, LS12a, LM08, ZD09]. Limit-Cycle [KSB11]. Limitations [RLG98]. Limited [BL03a, BKS16a, BGR16, BLNZ95, GGO9, KLS08, LM99, LWZ13, MIS03, SDDN12, Sta07, SM07]. Limited-Memory [BGR16].
Limiter [AS06, GKI19, JX13]. Limiter-Free [AS06]. Limiters [MB13, QS05a, QS05b, SCR06, Zen16, vdXVX19]. Limiting [GB12, GNPT18]. Limits [GV16, XS08]. Line [BD99a, HV96, LDK17, OS15, SV08b, YY18, ZHDZ16, HHRV93]. Line-Relaxation [HV96]. Line-Surface [SV08b]. Linear [ARMNW10, AB08a, APSG14, AS18, ABST13, AHT12, AF11, AB+17, ABCP08, ACD95, AD15, AKM1+13, GL16a, GL16b, DJT08, BS95, BDJ05, BCC98, BVG15, BmDS11, BL04b, BM95a, BT98, BKKT15, BM01b, BH14, CC16, BW96, Bre99, BC99, BCCM03, BMMT14, BC08, BCO9b, BK11, BEPW98, CS99, CLMM00a, CLMM00b, CPW15, CGL13, CB98, CGG07, CJH11, CH17, CH18, CNP12, CS96, CN99, Che98, CJG15, CYZ17, CG10, CLN12, CF05, CHM02, CS10c, CPD17, CFM98, D’A00, DLY14, DB98, DH01, DHN17, DMM04, DED10, Del14, DKS18, DMR19, DS14, ES18a, Ema10, EOZ94, EGKS94, EPS09, Ett16, FGMP13, FGMP14a, FGMP14b, FH06, FWA+11, FT03, FMR06, FG98, GG13, GHMY18, GvdV17, GmvdV19, GN14, GS03, GZY18, GB98, GG05, GPA18, GOS03, GT19, GW00, HR05, HN19, HS06a, H100, HCR13]. Linear [HN06, HZ10, HPZ19, HG12, Ho04, HRS12, HDF+19, HSCTP04, JFG10, JZ13, JP08, Jou94, Kas95, KLR98, KZ00, KM18, KW00, KR06, Kra08, KSV16, KMR19, KMR97, LM00, LV98, LFH19, Lee13b, LM08, LM17, LLZ08, LLZ09, LSN17, LW12b, LK17, LXdH16, LB12, LKB18, LCJ96, LN04, MPS18, MKSG10, Mar09, MB02, MNU11, MW13, MN11, MZ19, MGW00, Nat98, NP08, NMPF16, Okt15, OD12, PN16, PDH09, PiSM16, PSB99, PB19, PMS12, PN19, QOO99, Rah96, RG07, Roe98, RX18, RTR+16, SZ99, SS09, ST08, SBP04, ST16b, ST17b, ST19, SX16b, SMA04, Smi97, SvG08, SSC+15, SCW+17, Sta94, SO10, Str93, Sun95, SS08, SW10b, TCZC19, TT07, Ton94, VTB99, VM13, VK13, WL+13, WM05, Wd10, WC17, XS17, Yan94, ZGA10, ZT98, Zha97]. Linear [ZV05, ZS14, ZSL15, ZS16, ZGG17, ZFHS15, ZTM+16, Z14, ZJ96, Z16, dSL05, AM95, Atd94, CV93, CW97, Fr93, JS09, KL93, LV94, LJ93, Lie93, Pol16, Rán93, WTS94, YZ05]. Linear-Quadratic [Ded10, HN06, PMS12, CV93]. Linearization [HAN19, KT15, Slo02, vdZvBdB10a, vdZvBdB10b]. Linearized [BTGMS13, BT16, HGO2, HNS08, HBS00, Mf97, OB08, WY12, WY13]. Linearly [BBM+15, GLKO, LST07]. Lines [CCC17, HRT13, KMT98, WYT18, WH13]. Linesearch [BS03, Toi96]. Linked [CDY07b]. Lions [HJN17]. Liouville [AF15, Bou01, LV10, ZAK15]. Lippmann [ABIGG16, LY18, NZN16]. Liquid
Machine [BP97b, BGM09, GRPK19, ST94].
Machines [BDS98, BZ12, BFJ00, GAMV13, TW93].
Macro [JS10, LLS13, LM08, LM12, PV08].
Macro-Elements [PV08].
Macroscopic [BK18, Cha07].
Made [GG09].
MADNESS [HBB+16].
Magma [RWWK15].
Magnetic [CPH14, ST03].
Magnetohydrodynamic [CLTX15, HRT13, NH14, Ros06b, Tor05].
Magnetohydrodynamics [AMMR10, AMM+10, ABM+13, ABC+16, ALJ99, BT06, CFJT18, DW97a, DW98, Gur04, NvdP00, WS97, ZM04].
Magnetostatic [Lab05, PSA99].
Magnetostatics [BBMR03, GLL+15].
Magnitude [CLNZ16].
Magnus [KM19].
Makes [Ske09].
Making [JZ13].
Malliavin [WR13, ZRK15].
Management [LMKG16, PWG16].
Manifold [BBSW16, MRSS14, Sma01].
Manifold-Valued [BBSW16].
Manifolds [BCF01, CEOR18, LL17, LLD99, LSU11, LYLC17, QZZ14, RO18, DH16, WS95, ZZ04, vKVA11, RST93].
Manipulation [MBM+16].
Mantle [RWWK15].
Manufacturable [SSW12].
Many [AL99b, BKK18, CL18a, GH15b, GKN18, KM05, OT09, RTR+16, SM07, XCS16, vdDA12, RvdDA14].
Many-Body [CL18a, XCS16].
Many-Core [GKN18, RTR+16].
Many-Particle [BKK18, GH15b].
Manycore [FKMR19].
Map [CV16, CRV14, vdZvdD10a, BG10, CPP+17].
Mapped [CW16a, GSW17, LO14, Lem16].
Mapped-Grid [Lem16]. Mapping [Ama98, BT03b, Ban08b, DP98, DS97, DV98, GH14, HW94, HL95, Nas09, NAS13, Por01, WK18, ZF14, Zha18a, de 99, CDH97, PS93].
Mappings [ABB+16, And08, DLTZ06, HQR19, Vas10].
MapReduce [CGHT14, KPP+14].
MapReduce-enabled [CGHT14].
Maps [EL01, EL03, GGK07, HT09, NXDS11, SO15, VO19].
Marching [ABR11, BZ15, Cho01, CDGT01, DBC13, KM97, Yan19, TN16].
Marine [SBMR18].
Marker [MCT+05, NKM10].
Markov [BBBB+11, BK18, CKBT16, CE17, Day98, DS00, DMM+08, DMM+10b, DMSW10, DMM+10a, EHL06, GaP08, KTSB19, Kus97, SBM07, TY11].
Markovian [BD05].
Martensitic [NWW97].
Massing [GTK+17].
Mass [AH06, CL97, FN19, GMvdV18, GMvdV19, HRT10, HLM06, HLM+09, KLY05, KLY07, LR12, LP03, MR17, RCLO18, Sch13, SBH19].
Mass-Conserving [CL97, HLM06].
Mass-Lumped [GMvdV18, GMvdV19].
Massive [BSV19, KPP+14, MDC08, PVK16].
Massively [BRK16, CMF98, DGR+17, FN19, GCB15, GMV13, HW94, HGR16, JH12, Pip13, SR16, ZSD+10, MH95].
Master [DHJW08, Jah10].
Matched [AH09, BHNPR07, CM98c, Dur16, HMRR19, Luo19].
Matching [Ami94, DHPAH19, GLT18, HW01, KH00, KPP+16, LLS19, San10, SSJB17, WPGR13].
Matchings [HS06a].
Material [ADK+18, BW01, SPS18].
Material-Energy [BW01].
Materials [AHT17, AFMP15, EIL+09, SP03, SBX+08, WRB+15, ZCW10, TCC18].
Matérn [CWA14].
Mathematical [ACCP13, BHN10, GLL01, GR04, KTSB19, Kus97].
Mathematics [Mar01, WKM+07].
MATLAB [BK07, BT04, GDK05, SR97, Wa18].
Matlab/C [Wal18].
Matrices [AKA13a, AT15, APC04, BDD+97, BN05, BGL06a, BK16, BOR97, Ben01, BHT00, BDvdG05, BC13, BL99, Bör07, Bör09, BTK19, But13, ÇAK11, Che13, CGMR05, CV98, DLP05, DHRR09, DPV05, Di 97,
Matrix
[AKA13b, AA14, AMH11, AMH12, AMHR13, AMHR15, AM18, ARM+19, ADL+12, ABLM19, ACW12, AKM+14a, AD15, AVW13, ABB+16, BCT07, BSH16, BDM+18, BGM13, BSS09, BF95, BFK03, Bja19, BC13, BESS19, BGH13, BTK19, BRu15, BG12, CKOR16, CA16, CD19, tVÇAU10, Che16, CI16, CL08, CG11, DM16, DKGS15, DN97, DKK+19, DHP17, DGB15b, DGR98, DCP11, EZ11, Elb06, EBS±11, FHH+18, FMYT16, FK00a, FSvdV98b, FS08, GH15a, GSO17, Gar97, GKM+17, GCG+19, GT94, GG94, GHS+15, GKN18, GCD18, GL10, GG95, Hag02, HW94, HR14, HR16, HK17, HPZ19, Hs94, ILW17, IL16, KR17, KT15, KA18, KL94, KP11, Kna98, KR00, KRLD18, KMR19, KHW+14, KV13, LV98, LPS10, LXdH16, MV00, MKSG10, MB99, Mat95, MDM15, MZWG16, NH18, Ng00, NRSD18, OKLS15].

Matrix-Dependent [Kna98].

Matrix-Free
[ARM+19, BDM+18, BGM13, FK00a, GCG+19, KRD18, LXdH16, vVKA11, ACW12, Bru15]. Matrix-Matrix
[AA14, BG12, GHS+15, GKN18]. Matrix-Vector
[AKA13b, KV13, MDM15, UA04, WH09]. Max
[GG94, GG95, HST18].

Max-Principle-Preserving
[XQX15]. Maximum-Principle-Satisfying
[LLLX16, LY14, ZLS12]. Maxwell
[APZ13, AZH17, AA02, BBF14, BHST08, BV09, CGG94, CWZ07].

Maxwellian
[Gos12b]. May
[KHU96, RMB00, TW95]. MCMC
[Bar12a, FL18, MWBG12, PMSG14].

Mean
[And17, Bru18, CS94, Don06, GDLS14, Hof05, KS17, KS15b, KKK18, LTT16, MT97b, Ren15, RW06, Tim19, VP14]. Mean-Field
[KS17, LTT16]. Mean-Square
[MT97b, RW06]. Means
[AAB+15b, ABCP08]. Measure
[BGMW17, SG04]. Measure-Theoretic
[BGMW17]. Measurements
[CA18, RW06]. Measurements
[GP16, HTH+16, KBV09, MS03, PDTVM08, RKvdDA14, vdDA12].

Measures
[BJW18a, Cao07, KTSB19, LCN14, PSSW15, RGOY10, WK06].
Measuring [Hua05, Kaw15]. Mechanical [AL99b, BPT19, CSS10, HW09, RN14].
Mechanics [BTB05, ES17, ES00, GRPG01, Lee13a].
Mechanism [LL02]. Mechanisms [HS16].
Media [AE08, ABBM98a, ABBM98b, AB17, AM19, AD18b, AFRV19, AGPR19, BGS09, BC09b, BEM17, BKB18, CLDS19, CHW17b, CDF18b, CCC18, CDB13, CCH15, DL17, DLM16, FHR14, GM17, GYZ11, GJP+14, HY14, HSSZ09, KK02b, LVWW03, LE10, LOL13, LY98, LLZ15, LZ04, MJR05, PS10a, Slo02, TTSMS08, WZET13, WPT17, YYS16, ZT17, YGCP96].
Medial [JED10]. Median [CCS97, Str93]. Medical [HDB08].
Medium [AHR12, BYZ19, CK07, DBC13, LHL11, LLS19, LRGO17, SCC17].
Meets [MZWG16]. MEG [HCHS13].
Melnikov [XYZ05]. Melted [AHT17].
Membrane [CS18b, DZ08, RR98]. Memory [AKK14, AAB+16, BBSV10, BDD+97, BT03c, BrVC+10, BFJ00, BCR16, BLNZ95, DJ07, GOn15, GKK10, GKN18, HKR02, HWD02, KRD18, LM99, LWZ13, LFLS08, MGDB19, MC12, PF94, PR96, Sta07, SM07, Sun96, Til15, TD09, VM15, XXdH+17, ZV05, NP93a]. Memory-Aware [AAB+16]. Memory-Efficient [GKN18, KRDL18]. Merge [Obi01].
Merging [GHS+15, GKN18, Ros97].
MESFET [B109]. Mesh [AHK+17, AFMP15, AKM+13, ADM+15, BB17, BLH02, BBSW94, Ber98b, BWV03, BHR96, BW09, BWG11, BH17, CHR99, CHR02, CPB13, CDK19, Che94, CWL+14, CC06, CC09, CC12b, yCWHJ12, CLK18, CRR18, DPF15, DDGS16, DLTZ05, DLTZ06, DMR19, FK00a, FR10, FCC10, FJP99, GV06, GT98, GHTW00, GMT98, HHM08, HO15, HR07, HB07, HR99c, Hua05, HA08, IS17, JZT08, JP97, Kmut1, LMKG16, LPR98, LC05a, LC08, LCL18, MMR15, MN07, MNRI19, MH17, MCB18, MP08, MM07, Ols07, PWF18, PP05, Pol16, RL17, RH06, RWX07, SR18, SKF18, SL09a, SRI+18, SMR01, Tra95, WC00, WH15, WP19, WCHZ14, XOMN10, YHQ12, ZJC12, ZAD+16, ZSD+10, Zie12, de99, CC11]. Mesh-Adaptive [MH17]. Mesh-Free [yCWHJ12, SKF18]. Mesh-Independent [BVW03]. Mesh-to-Mesh [CRR18].
Meshes [AKS05, AD18b, AMP00, BB17, BBD16, BKS13, BHS16, Cai95, CH09a, CDG17, CGZ09, CHW17a, CFJT18, CKRS07, DKK+19, DFJS19, DSB17, EFHL09, FCZE14, FCM12, GW15, GH07, GKB19, GS19, GS09, HCHS13].
Meets [MZGW16]. MEG [HCHS13].
Melid [JED10]. Median [CCS97, Str93].
Medium [HDB08]. Medium [AHK+17, AFMP15, AKM+13, ACCO00, And17, AF15, AHDK14, AP12, APC08, AH04, AH06, AW11, AIHH12, AHR12, AP99, ACCP13, BA05, BS08, BCR03, BS05a, BGL06a, BW18, BM10, BMDR02, BT03b, BO07, BHV05, BJ01, BS05c, BS09, BDZ13, BMTZ13, BS18a, BG0D08, BV03, BG10, BSH14, BDGK18, BI10, Bar09, Bar05, BO16, BRT07, BC06, BO08, BG09, BM01a, BEEM18, BS09, BL04b, BMD016, BPT+14, BM95a, BM16, BC070, BH12, BP13a, BLS14, BPS13a, BM01b, BKH14, Bet08, BK04, BLP14, BK00a, BFL07, Bjo95,
BT97, BCSS14, Bla03, BI09, BLGL11, BGH+t03, BCCK16, BU15, BBD16, BBB+t11, BCP15, BPR16, BB08b, BB03, BER17, BBMR03, BS06b, BCL99, BIA05, BTT13.

Method [Bru18, BOPGF06, BTGH12, BCM15b, BG13, BG04, BORTP19, BFSN08, CG18, CC16, CW07, CL10, CLW13, CFY18, CL18a, CL18b, CGL+t13, CH09a, CKOR16, CB98, CG99, CHR02, CP04, CGL01, CCC17, CV15, CKQ14, CCS97, CCS98, CD98, CGM99, CP13, CL03, CDF18b, CWZ07, CCCZ10, CM15, CHX15, CJY16, CCC18, CKXZ18, CMZ19, CL18c, CVK13, CPS11, Cho01, Cho09, Cho05, CILZ15, CI18, CDB13, CK07, CJK10, CBK18, CDG+t09, CS16, CGM00b, CHM02, CP95, CB17, CMS06, Cor01, CVE13, CH11, CPD17, CDN16, CKRS07, CFM98, DBC13, CWZ07, CCCZ10, CM15, CHX15, CJY16, CCC18, CKXZ18, CMZ19, CL18c, CVK13, CPS11, Cho01, Cho09, Cho05, CILZ15, CI18, CDB13, CK07, CJK10, CBK18, CDG+t09, CS16, CGM00b, CHM02, CP95, CB17, CMS06, Cor01, CVE13, CH11, CPD17, CDN16, CKRS07, CFM98, DB98, De 12b, Dc10, DJT08, DLY16, DT95, Den97a, DLM16, DT00, DFJS19, DGK+t16, DMRR19, Don06, DG16, DMM19, DHE13, DR13, DZ08, Du11, DW15b, DS16, DTTY18, DCP11, DGL+t12, DGRZ15, DK03, EPR10, EKW15, Egg18]. Method [EAS08, EEO01, EPE05, EKSS16, EVLW17, ES17, EP06, EIL+t09, FKM19, FGMP13, FGMP14a, FGMP14b, Fa01, FO08, Fer98, FDS13, FCZ13, Foo14, FW97, FN94, FL08, Fro12, FM07, FJP+t11, FKW13, FK18, FR19, GJ17, GHHH17, GSO17, GJLX16, GV07a, GYZ11, GJP+t14, GMHY18, GH13, GKH00, Gar05, GH02, G1C10, GN14, GvdV17, Gj05, GLT18, Gia18, GKNW18, GM14a, GR02, GN19, GK19, Giv12, GMP19, GLQ18, GSR19, GY99, GMV99, GY02, GRMS09, GXY15, GC19b, GMO14, GO12a, GH99, GKT09, GJ18, GS00, GS02a, GS02b, GO03, GO09, GHKS14, GV09, Gug16, GC97, G1X16, GC16b, GC17b, GY17, GLW18, GN07, HM05, HHM07, HRT10, HFG98, HJN17, HQR19, HP14, HMG98, HW14a, HR07, Haz08a, Haz08b, HLLM15, HZXC16, HR99a, HRT03, HIT19, HKR16, HLW00, HBL05]. Method [HRT13, Hen05a, Hes98, HSZ12, HP94, HC95, HL10, Hoc01, HY08, HXX18, HV95, HR99b, HQH+t16, HBB7, HY10, HS99c, HTB+t05, HY14, HJX15, HLZ19, HS94, HJMS07, HXB13, HYL13, HYC15, HLM16, IT09a, IK10, In99, Jac03, Jahn10, Jam98, JP16, JMM10, JKM14, JR17, Jar19, JW08, JN10, JED10, JW08, JK05, JG02, JL05b, JvGV13, JP01, JK00, KL16, KM11, KH14, KR17, KNN12, Kan03a, KMT98, KV05, KP06a, KP11, KO17, KP12b, KS19, Kla99, KW00, KL13a, KLY05, KLY07, KS17, KP10, KR99, Kny01, KM16, KS13, Ko09, KC16, KH18, KL13b, KLZ+t06, Kra09, KP05, KP06b, KMR19, KO13, KL11, LW12a, LHL12, LP11, LP13, Lan10, LSV17, LMS15, Lar99, LSH17, LLP98, LMR98, LL02, Lay03, Lay06, Le 09, LS13a, LZ17a, LG97]. Method [LL03a, Lee10a, Lee13a, Lee14, LE17, LPMR19, Leh15, LJ19, LCD14, LZ01, LZ02, LLC08, LLZ00, Li10, LL11, LX14, LLX15, LJ17, LWYxY18, LN19a, LN219b, LN03, LP04, LY98, LZ13b, LC05a, LC08, LK17, LJ18, LK08, LS09, LX16a, LYLC17, LTW18, LW19, LH00, LD05, LFB08, LN04, LPP09, LD03, LX16b, LS19, LX16c, LS00, MR09, MN07, MNR19, MR04, MR05, MCT+t05, MOSS17, MWBG12, MR07, MW03, MS06a, MR02, MCT15, MBVO13, MG12, MO10, MTM08, MZ94, MB19, Moo00, MTV16, MS18a, Mu07, MWY17, MZ19, MPS09, MSV00, MCV17, NN12, NN17, NAS13, NRMQ13, NT18, NS06, NM13, NMB11, Nvd00, NH99, NKM10, Obe13, OS15, OX17, OQRY18, OR18, PRS12, PTDVM08, PR09, PS10a, PKD13, PW12, PHJ11, PBWB14, PZZB15, PL12, PNP13, Pen00, PP08a, PT01]. Method [PEdD12, Pla98, Pol16, PvdVvG17, PS10b, For01, PD15, PoH09, PBTB+t15, Pup99, PM15, QL06, QS05b, QS08b, QSM19, RO18, RRR03, RRR05, RG13,
Method

[War13, Wei99, WWH17, WPT17, Whi15, WKM+07, WY13, WGF08, WS15, WFAP15, WSX17, WS19, WX19, XEG06, Xaa99, Xe05, XKKW08, XXH+17, XQX15, XCS16, Xu94, Xu04, WX05, XS08, XOMN10, Xue18, YC13, YDF97, YGB+05, YHQ12, Yan19, Yan14, Yan18, YZ05, YD06, Yin95, YSK19, YYW18, YK03, ZEG19, ZK14b, ZZK15, ZMK17, ZLG98, ZN05, ZCK12, ZJC12, ZRTK12, ZWH+14, ZF14, ZJX14, ZTRK14, ZYSL15, ZDZ16, Zha18b, ZS18, ZCP06, ZWZ+13, ZP18, ZLTA15, ZK96, ZFHS15, dVM08, iW11, vNLB04, wBVg09, ABS96, ABC97, AM95, ADR95, BS94, Ba93, Ca93, CW93, CPS94, DS96, EHW6, FCR93, HG96, Hes97, HL97, Lam97, Li94, LCW95, Lin93, PCDB06, She94, She95, SS95, SS93c, ST96, Tan93, TV93, Yak93, ZMC94, CD13.

Methodologies [IHTR12, KB08].

Methodology [BC09a, CRS+18, TCCK18].

Methods

[AE08, ABBM98a, ARMNW10, AC08, ACVZ12, AV12, AG10, ABL05, AM05, AL02, AC05, AMVR17, AV14, ABC+16, AGL10, AKA13b, APvDG12, ABF96, ABC00, ABBM13, AM17, AAB+15b, AIL05, AW15, AGH13, AHV18, AKM+14a, AHT17, AKT16, AGPR19, AS05, AA02, AKM14b, AL97, AL99b, AHH06, ALZ14, BS03, BS07, BKG16, BQQ08, BMV18, BKM19, BR05a, BGLY05, BHN07, BN98a, BK16, BOB+19, BS05d, BYZ19, BBGS04, BN00, Bas98, BvG15, BBBG11, BN98b, BLB00, BzCS11, BGRK15, BDO12, BB11, BB15a, BB15b, BHT09, BS15a, BS16b, BSS17, BBS19, BM17b, BF05, BG05a, BG05b, BCM05, BCM11, BKS16b, BR18, BF14, BZ15, BvW09, BLR14, BBM+15, BQR18, BBT19, BS99b, BT13, BKM10, BDK12, BMV05, BGS15, BMV11, BMNT14, BSU19, BD05, BR10, BHR96, BOPFG06, BT16].

Methods

[BMV13, Bur13, Bur14, BLL07, CCF14, Ca95, CKS01, CL11, CPW15, CGL+12, CHAMR06, CSS10, CPH14, CDG17, CGQ10, CZK15a, CPV95, Car07, CV07, CKD13, CRS+18, COS06, Cas97, Cas02, CZ10, tVCAU01, CFS208, CEHN08, CV12, CS96, CCSY98, CGZ99, CN99, CW17, CHW17a, CHW17b, CDC19, CC03, CFKM18, Che98, CKY98, CD02, CHMR10, CMK11, CLL13, CNN02, CLK18, CKV99, CS14, CH08b, CK98, CS17, CG19, CBBDW15, CHH10, CM99, CFM96, CCG14b, CGP19, CDW14a, CDW14b, CS10c, CK94, Cor98, CE16, CC18, CS14, DO11, DP98, DMM04, DMM05, DG98, DL17, DHJW08, DFMD19, DLZT05, DLZT06, DRPN07, DFN12, DB94, DP10, DPS18, DTBM10, DKK12, DGGG09, DS14, DKSW19, DMS18, DF99, DGR+17, Du16, DWQY19, DK98, EKM94, EDGL12, EBR00, Ehm98, Ehm09, EF15, ES18a, ES19].

Methods

[EMM+99, Ema10, ELtH100, EN09, EV13, EMT09, FTY15, FK00a, FGM08, FR15, FKTW10, FS02, FK00b, FMS17, FMR06, FS12, FS13, FM09, FNNB05, GNM02, G12, GX16a, GZ16, GV19, GASS98, GGL09, GK11a, Gas13, GSS12, GHK14, GK03, GH07, GL08, GV12, GG19b, GLQ16, GY05, GP18, GZW18, GMH94, GGM07, GKS98, Gra14, GK05, Gri94, Gri95, GMM15,
GSW13, GC97, GNZC17, GZT+19, GW04b, GM04, GVMM14, GP96, HKR02, HR05, 
HN19, Hagn00, HHM17, HKF+13, HHE10, 
HW13, Han95, HO2, HMN+13, HW14b, 
HNR08, HXK19, HJ98, HJ18c, 
HSF01, HTO0, HLM06, HLM+09, HMR09, 
HL98, HV96, HEGH14, HLP08, HJES18, 
HS01a, HS98, HK95, HJL+19, HKM97, 
HW09, HFL11, HGZ17, HJ19, Hu08, HiH18, 
HLM03, IM97, IM99, IT14, ISS19, JK11]. 

Methods [JSPC97, Jay98, JVG12, JW05, JCL07, 
JLP18, JGZ06, JR96, JR98, JP11, JZ00, 
Kan03b, KMW15, KL15, KBK08, Ket08, 
KZK17, Kim05, KL06, Kim08, Kla98a, KR06, 
KDR12a, KLR14, KLR15, KLRU17, KVMK01, 
KCB17, KS15b, KW16, KT08, KSU14, 
KW17, LMPQ03, LCB07, LP96, 
LS95, LL97, LMPQ03, Lec10b, Lee13b, LN17, 
LPP19, LST07, LG09, LHL11, LLLX16, 
LZ17b, LSC18, LL19, LRS02, LMT18, 
LL08, LSZ17, Log03a, Log03b, LNS15, Lui00, 
Lui01, LMMW04, LK98, Lvo19, MMRN15, 
MM13, MV00, Man99, MS17, Mar03, 
MNT15, MS04, MLL13, MC10, McL95, 
McL07, MRS14, MW01, Mic01, MT97b, 
MSS12, MS12, MFGP18, MDC09, MZW16, 
NKLW94, NX12, NAC+15, NRRW09, Ng00, 
NS10, NY10, NY11, NFFP18, NWW97, 
NN05, O’Lo1, OSU10, ORST12]. 

Methods [OS14, OLIW09, OS89, OSCE00, PWF18, 
PS02, PS18, PR01, PE00, PCF16, Pav98, 
PZP07, PL06, PATF19, PSA99, PWG12, 
PST15, Pus08, QX08, QS18, QS05a, RKLNO7, 
RX17, RR98, RG07, RW11, RG98, RGG06, 
RH09, RW06, RS13, Ros96, Ros05b, RS99, 
RWW14, RM0sb, SSM16, SL10, Say15, SG11, 
SRS12, ST17b, Ser06, SCTP04, Sh99, SY10b, 
SY12, SWX16, SW16, SBX+08, SW17, 
SM18, SV00, SS03, ST00, SO15, Son12, 
SH14, SSW98, Sta07, SM07, Ste01, Ste00, 
SS93b, Ste02, Str94, SSVW17, TT96a, TS11, 
TX17, TK13, Tau96, TSK09, Tie18, TVA02, 
TLT12, Ton94, TW17, TS14, TPW09, 
TEL12, TP99, TV98b, UA07, VC00, VV05, 
Vas07, Vil14, VW94, VO96, VPP05, Wal99, 
Wal18, WCO0, WC03, WPL+13, WLE+00]. 

Methods [WL08, WWY09, Wan12, WAS14, 
WRSZ18, WHL18, WP19, WG00, WMSG09, 
Wen10, WMBT19, WK03, XZB11, XH05, 
XT06, Yan94, YTL11, YYS16, YBLH16, 
YZ07, YZ08, YWL17, Yu01, YCS16, YB09, 
ZBFN17, Zam16, ZK14a, ZCZK14, Zbi11, 
ZTBK18, Zha97, ZV05, ZCL+11, ZWWZ14, 
ZSB16, ZMS10, ZK15, ZW94, ZF09, ZS02, 
Zin00, ZSO4, vHBT12, vdVY00, AP93, 
Atk94, Bia94, BR95, BHP94, Ca94, CS93b, 
CW97, Dax93, DG95, En06, FS96, 
GPHHAPR18, HHRV93, HLS93, Lie93, 
LS93, MMRP93, MPP93, PM93, PM95, 
Rán93, ST94, She97, Wei94, Zha94, vd97]. 

Metric [BPR16, BRR18]. 

Metrics [GKRB16, Knu01, UA04]. 

Metropolis [CKLL16, Wal14]. 

MGRIT [DKPS17, WZ19]. 

MHD [AB19, CST+13, CST16, LNZ9a, LNZ19b, 
PEC+14, PSC+16, Rav05, WGS17]. 

Micro [JS10, LLS13, LM08, LM12]. 

Micro-Macro [JS10, LLS13, LM08, LM12]. 

Microchannel [HKF+13]. 

Microchannels [VN03]. 

Microflows [CLQ12]. 

Microlocal [LQ19]. 

Micromagnetism [Lab05]. 

Microprocessors [HML+04]. 

Microscope [WPL+13]. 

Microscopy [BC06, LFS14]. 

Microstructure [Kup00, Li03, NWW97]. 

Microwave [WB08a]. 

Midpoint [AR99]. 

Migration [FR96, SP03]. 

Mills [CW06]. 

MILU [WH95]. 

MIMD [ST94]. 

Mimetic [CPH14, TC12, dVM08, dVL10]. 

Min [GG94, GG95]. 

Mindlin [CG07]. 

Minerr [Du98]. 

Mines [XK08]. 

Minimal [BBSV10, CGS02, DS14, Lec13a, LRS02, LN04, LD03, 
NM13, OK13, OWO14, RN95, SV01, Ton94, 
WMI09, ZP18, Bia94, CS9+94, Fre93]. 

Minimax [FNTB18, GJM94, LZ01, LZ02, 
SW10b, YZ05, ZFHS15]. 

Minimization [AKA19, AAB+15a, AO17, BLV18, BLP14].
BCL99, BL08b, CC08, CXY10, DK10, DGP10, Doh03, DF03, FNNB05, GY09, GRMS09, GS98b, GZNC17, KKK16, LMRS15, LN17, LST07, MF06, NN05, OC05, OST11, Vas10, WBFA09, YG15, YSX17, YMW07, YLHX15, ZBK18. **Minimizing** [ACO98, ACCO00, CW12, Don06, Hag02, HKR16, WCS00, Wei94]. **Minimum** [AW11, Ash95, BBR08, EG18, Kas95, MV00, Ng00, PS02, PHJ11, Wan13, dMHJM00, DG95, SS93a]. **Minimum-Mode** [PHJ11]. **MINRES** [CPS11, Dul98, GH02, HS17, KL12]. **MINRES-QLP** [CPS11]. **Miscible** [AD18b, CL97, GY17, LY98, WLE +00]. **Missing** [ZW16]. **Mixed** [AE08, Ahn07, AHT17, AGPR19, BMV18, BRT07, BMM98, BG04, CPV95, CGP12, CZ10, CKY98, CKV99, CF05, CG07, DTYY18, DK98, Egg18, EPSU09, FGM08, FKW10, FCF19, FNNB05, GJ08, GYZ11, GS16, GH02, GK18, GPHHAPR18, GW00, HJP03, HJJ04, HW09, KLV +16, KS99, KL05, LPMR19, MMT15, MRT00, Mic01, Pav98, PSA99, PQOB14, PSC +16, PEdD12, San10, Sar98, SJR09, Sch02, ST17b, SW16, Sta00, VP14, WLE +00, WGS17, XCS16, YTD15, YBLH16, ZHS10, CGP93, WTS94]. **Mixed-Dimensional** [AGPR19]. **Mixed-FEM** [GH02]. **Mixed-Hybrid** [MRT00]. **Mixed-Mean** [VP14]. **Mixed-Precision** [YTD15]. **Mixing** [ZCZ04]. **Mixtures** [AHT17]. **ML** [YC99]. **Modal** [DMM18, dMGF17, KSMM18]. **Mode** [AK17, Aru12, CGM00a, DU19, LLS19, PHJ11, RSSM18, WRB +15]. **Model** [AKA19, AH17, AdSC12, ABdSF15, ABST13, AK17, AN16, AGI16, AH09, AHR12, AKM14b, BSWS16, BB08a, BBBG11, BG07, BF13, BB15b, BMM98, BK04, BFN17, BI09, BCCK16, BK00b, BS18b, BTWG08, BCV13, CLQ12, CTB15, CLDS19, Cha07, CS10a, CBG16, CCC10, CY17, CDM +13, CS18b, DKM14a, CC19, CG96, CW12, CGHT14, CDN16, CPR11, DHE13, DSZ13, DG99, D08, EKLS +18, EMM +99, EF05, Fra98, GX16a, GHMY18, GT98, GKC13, GM13, Gob08, GL01, GB06b, GPA18, Gos12b, GSW13, GLW18, HKF +13, HLLM15, HSS08, HL19, HJP03, HQH +16, HiH18, IA14, JK15, JLZ16a, JP14, KY19b, Kim05, Kim08, KLJ10, KPPS14, KS15b, Ld12, LTC13, LSV17, LU17, LQR12, Lay96, LS13a, Lee14, LM17, LPP19, LM15, LN05, LW10, LS05b, LM14b, LHR +18, LRT11, MO00, MRS16, MS18b]. **Model** [Mu97, MZ19, MEF09, NKTY08, OS14, PP12a, PW15, PWG16, PGW17, PNP13, PM16, PS11b, PN19, QS14, RKLM18, Ret18, RDP08, RLM +00, SMZ18, SSDN12, SBR06, SBHS19, SY10a, SSB17, Sma01, SBMR18, TNL14, TYY0, Toi08, TGS08, VBA18, VP14, WiO08, WH13, XBC96, XJS12, XJS13, YY18, ZBFN17, ZFLB15, ZYW16, Zim14, dSGK +15, ten95, CHKM13]. **Model-Based** [Fra98]. **Modeling** [ASZ07, ACCP13, BPR04, BCT05, BKK18, BBH +16, BCG +10, BGL06b, CHL06, CGDD11, GaP08, GV15, GRL10, GM11, HJ18b, HK03, HLY13, HLM16, JK10, KLT06, Kup00, LWVW03, Lay06, LCR +16, LOL13, LO14, Lem16, Lin06, LM14c, MH17, MJR05, NWMI11, NWW97, OPB06, PSKG13, RG13, Ren15, RG09, RK07, San10, SDNL10, SPKB13, SCMO10, TTP +16, Wal18, WKM +07, XMI18, vHCDD15, LP06]. **Modelling** [GMvdV18]. **Models** [AA00, AKA13b, AF11, ABCP08, BST08, BHN10, BCF13, BBR04, BGSV15, BJ08, BMV13, BJW18b, CV07, tVCAU10, CCC17, CNP12, CS18a, DSBO9, DJP00, DBA19, EHL06, EMSW12, FKQS17, FS05, FY14, GR04, GZYW18, GZW18, GV16, Gri19, HAG17, HPS06, HDB08, Hr03, Hr05, KGM +11, Kon09, KL11, LL02, Le 05, LRP07, LP08, LDS11, LZ16, LNA +11, MMRN15, MEHL16, MW08b, NGX14, NCT99,
NMFP16, OKdSG17, OPRB06, PGW17, QZT11, QSM19, RWKW14, RWKW15, RS13, RW97, RLC08, SBK18, SRS12, SHP07, SC03, SY14, SBX+08, WM05, WKM+07, WTS94].

Moderate [NN14]. Modern [DARG13, EMM+99, KHW+14, MRV06]. Modes [Fli13, JvGVS13]. Modifiable [IS17]. Modification [MOKS12, Pet01, ST14a]. Modifications [BEOR17]. Modified [ACVZ12, APS12, BS15a, BFK03, BIA05, CGL+13, Dax03, EIL01, GL03, HJ18c, HLW00, HS17, LV10, LRT11, LXX08, MR02, MM95, MM98, NRSD18, Sch93, SH01, WLZ18, ZQ17, Zyg11, Anj93, FGM95, LCW95, OS95].


Monotonicity-Preserving [BH14a]. Monte [ABLS05, ACD+11, BHvST14, BK04, BCSS14, CL18a, CKXZ18, CKBT16, CML+18b, DPK18, DGR+17, EHL06, EBSS+11, GLSTV16, GP18, GKR16, HW14b, HHL00, HJS18, IT09a, IK10, IT14, JKLZ18, KKS08, KBK+08, LZ04, LW19b, MS04, MSS12, NT18, Ökt05, PR01, PWG16, PMR16, RN19, RN19, TPW09, Wan12, WH17, WKKP13]. Monument [Sen10]. Morrison [BCMM03]. Mortality [Kim05]. Mortar [BBMR03, GY11, GJP+14, KO6, PE6D12, PWGW12, Ste01, TW13b, WW03].


Multi-Material [ADK^+18]. Multi-P [HK^95]. Multi-Resolution-Analysis [LNP^+07]. Multi-Right-Hand-Side [CB^98]. Multi-Scale [OPRB^06]. Multi-Stage [SW^09]. Multiblock [LDM^00, MC^10]. Multibody [AKPRB^08, Lee^13b, Sch^05, WK^03, YP^98]. Multichannel [ZY^09]. Multiclass [BCV^13]. Multicolour [WH^95]. Multicompartment [KLJ^10]. Multicomponent [KS^15b, LD^05, WZET^13]. Multicomputers [HV^96, Rot^96]. Multicore [ABC^+14, GV^15, GLR^+16, HRS^10, HEGH^14, LD^11, MHL^+15, RSHK^11, SH^14, VTD^12, YTD^15]. Multicore-Optimized [MHL^+15]. Multicore/Multi-GPU [RHSK^11]. Multidimensional [BLH^02, BBBV^13, BZ^12, BL^03c, CK^17, CGMV^05, FCM^12, GS^19, Hei^13, Hes^98, HDZ^16, Hor^10, Inv^02, JL^05a, JT^98, KK^09, LE^10, LD^99, LPR^00, LPR^02, RO^15a, Str^95, TW^09, WL^01, Win^10, WS^18, BZ^96, Ema^97, ZMC^94, ALZ^14]. Multidimensions [GC^17b, Sur^00]. Multidomain [CLL^13, PM^95, WPG^13, LSZ^17]. Multielemination [SZ^99]. Multifamily [EZ^11]. Multifidelity [NGX^14, PWG^16, PVK^16]. Multiflow [Kar^96, SA^99]. Multifrequency [BY^19]. Multifrontal [AGL^10, AAB^+16, AAB^15b, ABLM^17, But^13, GLR^+16, VM^13, Xia^13a, XX^13]. Multigraph [BS^99a, BS^02]. Multigrid [AL^02, AC^04, AC^05, AB^16, AB^08a, ABC^+16, AG^17b, AG^17a, ADGM^98, And^16, AGPR^19, AA^02, ACK^19, BKM^19, BFKY^11, BSH^16, BDS^98, BFJ^+15, Bas^98, BDO^12, B^00, BFG^+16, BGH^+03, BHST^08, BK^16b, BR^18, BV^08, BB^03, BH^08, BVW^09, BM^95b, BD^99b, BIYS^00, BF^10, BK^14, BCK^+18, BCF^+00, BF^05, BGMR^01, BF^00, BVW^03, BLM^03, BSA^13, BKS^13, B^11, BEM^17, CW^07, CCS^98, CGG^+14, CH^02, CMM^+07, CKY^98, CMK^11, CM^15, ICCVE^17, CFH^+00, CG^17, CRV^14, DMS^01, DMMO^04, DMM^+10b, DMM^+10a, De^12b, DM^13b, DT^95, Den^97a, DB^94, DTM^05, DKPS^17, Doh^07, DSC^05, DM^18, DGR^+17, EEO^01, EOY^05, FKM^19, FS^14, FFK^+14, FMO^17, FS^96, FM^13, FKK^+14, GN^16, GGL^09, GR^17, GMS^16, GV^15, GGOY^02, GRS^+15, GSO^03, HKR^02, HR^05, HW^13, Haz^08a, Haz^08b, HHvR^03, HW^01, Hen^05a, Hen^05b, HTW^+12]. Multigrid [HV^95, HDF^+19, HTB^+05, HLZ^19, HGR^16, Huc^08, JV^96, Jia^14, JL^05b, KR^18, KKV^13, Kan^03a, KR^14, KK^09, KK^02b, KY^03, Kna^98, KR^99, KM^16, Kra^08, Kra^09, KW^18, KRGO^19, Kwa^99, LO^11, Lee^09, Lee^10a, Lee^12, LN^05, LB^06, Liv^15, LRGO^17, MO^08, MM^13, MF^19, MMM^+94, MOSS^17, MRS^18, MS^19, MMRS^19, MS^06a, MT^96, MSB^+15, MMV^98, MN^08, NN^12, NN^14, NN^14, NAC^+15, Not^12, Not^17, OR^02, Ols^07, OST^11, OW^98, OW^00, OW^02, PZZ^15, PT^01, PBV^18, PoH^09, ROM^18, RN^19, ROGYO^10, RLM^+00, SB^10, Sch^98, SCTP^04, SIS^96, Sha^99, SS^10a, SW^17, SAB^14, TZ^95, TAY^+19, TY^11, TY^15, TPT^+16, VV^05, VV^13, Vir^07, WSC^00, WC^03, WL^04, WHCX^13, WOW^00, WO^01, WY^09, WW^03, WM^19, WK^03, WE^06, XQ^94, YBH^15, Yav^96, YV^98, Zas^95, ZF^09]. Multigrid [bZOW^07, dIRR^19, BGP^94, BY^93, BH^93, LK^93, MMM^+95, MM^96, TW^93, Yav^93]. Multigrid-In-Space [And^16]. Multigrid-Preconditioned [PT^01]. Multigrid-type [DSC^05]. Multigrids [BT^05]. Multigroup [FJM^19]. Multilayer [Lar^99]. Multilevel [AG^17a, ATWK^19a, ATWK^19b, ABH^03, AK^05, ABLM^19, AP^99, BMP^16, BS^02, BK^98, BK^99, BL^04b, BHT^09, BS^05f, BS^09, BBB^+11, BMSV^97, BV^98, BGR^16, CGP^93, CG^99, CC^08, CC^10, CWZ^07, CW^15].
Cho05, ICCVEKV17, CDGT01, CPB19, DMM+08, DMSW10, DGR+17, EY07, EN08, EN09, EK14, EK10, GSI13, GXY15, GCR16, GC17a, Gri94, Gri95, GS02b, GR05b, GrM10, HM05, HLMR96, HOU+19, HL10, HXX18, HJS18, HS01b, HL17, JK11, JKLZ18, JR96, KXS18, KNN12, KK98, KKT13, KSF9, KKF11, KC16, KT08, Kra12, LLP98, LL08, LCS18, LX16b, LW19b, MG07, MG09, MG11, MV94, MK08, MSS12, MTV16, NT18, OVV17, OKLS15, Par17, PS08, PS11a, PC07, RNV19, R94, SZ99, Saa05, SM19, SCTP04, SBX08, SW03, SRL+18, SLC01, TX17, TTY16, WC00.

**Multilevel** [WiOH08, YD06, ZT17, Zha94, EG93, AM17, LB11].

**Multilinear** [SL10].

**Multimedium** [WLK06].

**Multimodal** [HW03].

**Multimoment** [BBT19].

**Multinumerics** [TW13b].

**Multiparameter** [BC99, YBM+18].

**Multipass** [MS98].

**Multiphase** [BHN10, BEM17, LVWW03, MBGV16, RHSK94, LL19, Lee10b, KMSM14].

**Multiphysics** [BS16a, LCR+16, SM17, WPGR13].

**Multiple** [ARMNW10, AEFM17, ALM19, AHDK14, ABB+16, BA05, BNP15, BGW19, BDvdG05, BER17, BS96b, BD99a, CGL+13, CGR14, CN99, CS18b, CC97, CMM95, DFJS19, EPE05, GY11, HR05, KKN18, KMR01, LL19, Lee10b, LPMR19, LZ01, LZ02, LZ14, Liv15, LN04, MN11, MY18, Nov15, RSM18, RH06, RN16, SG95, SRI+18, SO10, Str93, U04, WS07, WHL18, W098, WW12, XYZ12, YTD15, YZ05, YC99, ZGA10, CW97, Heg95].

**Multiple-Coarsening** [Lee10b].

**Multiple-Grid** [MY18].

**Multiple-Network** [LPMR19].

**Multiplication** [AKA13b, AA14, ABB+16, BSH16, BG12, DO15, DGK15, EBSS+11, GHS+15, GKN18, HJ18a, KHW+14, Mat95, MDM15, SLvdG14, SvdGP16, VR14, WH09, YB09].

**Multiplications** [FHH+18, YL93].

**Multiplicative** [Cai94, CGG07, HLZ13, SCGT07, VIl14, WY13, dRRG19].

**Multiplier** [BLS14, IT09b, KL15, LNS15].

**Multipliers** [CG18, KMW99, KW00, WY12, YYW18].

**Multiply** [UA04].

**Multipoint** [SBS98].

**Multipole** [BCR11, BT03b, BPT+14, Ber95a, CDGS05, CD13, CJ05b, CPD17, ED95, EG01, GR02, GS00, GD03, GrM10, HA17, HEG14, HR98b, KLZ+06, LCD14, MG07, MG09, MG11, MR07, NKLW94, OC03, OC05, PD15, RRR05, Sch94, EB96].

**Multipole-Accelerated** [NKLW94].

**Multipole-Based** [GS00].

**Multiprecision** [CVW06].

**Multipreconditioned** [BS16a, Spi16].

**Multiprocessors** [Sun96, NP93a].

**Multiprojection** [MFPG18].

**Multiquadric** [DD12, KW11].

**Multiquadrics** [CBN02].

**Multirate** [MB19, Pul08, SR19].

**Multiresolution** [ATV07, ACD95, ADH99, BW00, BC02, BH97, BT01, DDG16, DMD+12, GC17b, HBB+16, JTO8, KHL16, LS00, WB00, Lii93].

**Multiresolution** [Vil14].

**Multitarget** [Har08].

**Multiterm** [LZK17].

Multivariate [ATWB19a, AD19, BGM09, CS14, CKN06, FEL18, GKNW18, Gri19, IM98, LL03b, NX13, Rah13, SX16a, SX17, ZNX14, CW93, Heg95]. Multiwavelets [ABW00, BW00, CCA03, WB00]. Multiword [JF16].


Natural [CF07, HLMR96, LRd04]. Navier [GHMY18, KW07, ABD+17, ABS96, ACL09, BH00b, BBSW15, BL07a, BW11, BS15a, Ber97, BBKW19, CST16, DLTZ05, DS17, DHE13, ES96, Elm99, EHS+07, Ema97, FMW19, FF05, GRL10, GHST98, GW98, G98, GM15b, GM19, GZ19, HLLM15, HG96, Hes97, Hes98, HLM+09, HBS00, JL11, JK05, JK00, KLW02, KL05, KGGS10, KOV15, KBG18, LIW12a, LLP98, LL03a, LCW95, LLL08, LKB18, Liu01, MP08, NS10K, OR02, PCFN16, PT01, PP08b, PM95, PS12, RX17, RG09, SWT00, Sma01, SSF16, SU15, TTN14, TLLK09, TC99].


Neighbor [GCS19, XB16]. Nematic [MMRN15, ZYLW16]. Nested [AMM+10, AEFM17, BVG15, CZ10, EN08, FKMR19, GP99, GBDD10, HR98a, LM15, NX13, RWW14, WR+15, ZND18, ZS18]. Nested-Batch-Mode [WRB+15].

Network [AB16b, BPS13b, BPS13a, FMRR13, KY19b, LPMR19, RGG15, SM19, SMR16, Wan07a, SBC93]. Networked [Her08]. Networks [BHN10, BSV19, BK18, Egg18, EKL+18, EdDP09, FGH+08, FK18, GaP08, GPZ17, GK13, HK03, HGP14, KO05, LS16a, MTV16, MM07, PLK19, PE14D12, SDNL10, SAY03, SAE10, Wan97, CC96]. Neumann [BR95, FCR93, Flt13, FK00b, HN06, KL06, KL13a, LV10, MB19, Nas09, NXDS11, NCT99, SW16, XYZ12]. Neuramagnetic [BBR08]. Neurans [AN16]. neurophysiology [GM96].


Newton [BG05a, BG05b, CC12a, MR17, PBC05, AW15, AHDK14, BC10, BM01a, BMM11, BG05b, BU15, BHMX18, BVW03, CC16, CGK+98, CK02, CL11, CZ10, CBDW15, CX08, DFG15, DGK+16, DP03, EW96, EV13, FSVdV98a, FGM95, GC91b, GV09, HJL+19, HYC16, HLM16, KMT98, KSD10, KR99, KVMK01, Lan10, LWYxY18, LL08, LK15, LR98, MV00, MB17, MBWG12, MBVO13, MPS09, O98, PW98, PT01, PP08b, PMSG14, PSt15, PMSB12, RWW14, SL10, SM17, SQ002, Wic17, YHC16, YBM+18, YP98, dSK11, vWBV09].

Newton-Type [CZ10, HLM16, YP98, MV00].

Newton/Chord [KMT98].

[Man99]. Nine [SY08]. Nitsche
[DFJS19, LR12, Leh15]. NITSOL [PW98].
NLEIGS [GVMM14]. no [BEM94].
Nobody [HMRR19]. Nodal
[BFK05, CWD13, MAA98, MNP07, NX13,
PSC+16, RU01, SF08]. Nodded [CCS08].
Node
[ACK19, LLHF13, MOSS17, SKF18, SK19].
Nodes [BMF12, Bog14, CW15, FF15,
HT13a, JM18, ZMS10]. Noise
[BG10, BV16, BRW10, CC08, Gub96, GZ19,
HLZ13, LKBJ18, MO00, MW11, NT18,
RW06, Vi14, WGT14, YZY09, ZTRK14].
Noises [GDL14, MT97b]. Noisy
[BTY08, Kus00, LS16b, LT09, MT19a,
SKJ+13, YGCP96]. Non [AM04, Bout01,
CGL+13, CPV95, DFQ14, DTYY18, FS14,
GS14, GP96, KPT16, KMR01, LRD+04,
LZ16, MB13, NN18, Sta97, TY15, VXY16,
BZOW07, FGN93, Fr93, YZ08]. Non-
[DTY18]. Non-Boussinesq [LRD+04].
Non-Cartesian [DFQ14].
Non-Coordinate-Aligned [MB13].
Non-equidistant [BZOW07].
Non-Galerkin [FS14, TY15].
Non-Gaussian [AM04, GS14].
Non-Hermitian [CGL+13, KPT16,
KMR01, VXY16, FGN93, Fr93].
Non-Isometric [YZ08].
Non-Lévy [LZ16]. Non-Newtonian
[GP96]. Non-Self-Adjoint [Bout01, Sta97].
Non-Self-adjoint [CPV95]. Non-Similar
[NN18]. Non-Adaptive [SX16b].
Nonadiabatic [BG11, BHG19].
Nonaligned [BD99b]. Nonasymptotic
[BhvST14]. Noncentered [DMBB10].
Noncentral [KB96]. Nonclassical [GI99].
Noncoercive [Burg13, Burg14].
Nonconformal [PL12]. Nonconforming
[AWW19, BBD16, BH16, CDK19, CKY98,
DFQ14, ISG15, Kan03a, KW16].
Nonconservative
[CPPR12, DRFP07, MEF09].
Nonconstant [MRFV18]. Nonconvergence [DHHR19]. Nonconvex
[GRMS09, HD15, KPP07, MV06, NWW97,
QS08b, SWW08]. Nondegeneracy [Ush01].
Nondestructive [JLZ16a].
Nondifferentiable [CGS02]. Nondiff
[Ya98]. Nonequilibrium [KM98, SY09].
Nonequispaced
[KV12a, PP13, PS03, DR93b].
Nonequivalence [HL16].
Nonhomogeneous [DFQ14].
Nonhydrostatic
[GRL10, GKC13, RG09, YC14].
Nonhypercube [W12b]. Nonintrusive
[FUNB18]. Noniterative [GST19, KBV09].
Nonlinear
[AIP19, AEFM17, ADKM03, ABF96,
APSG16, AK17, ABR17, Ami94, ABK11,
ADH99, AD07, AL97, AdSK19, BLV18,
BK98, BK99, BM03, BSHL14, BPR04,
BM01a, BBM11, BEM18, BB15b, BG17b,
BLS14, BCF12, BF06, BLR14, BS99b,
BGR10, BC99, BM00, BMV13, BF07,
BG04, CG18, CL11, CGKM16, CZZK16,
CCG14a, CTB15, CGR14, CM09, CN12,
CGM99, CCJ07, CS10a, CBG16, CK19,
CC19, CN10, CW12, CH11, CS10, DS199,
De 12a, DGK+16, DHO12, DGvdZ18,
EGKS94, EV13, FMS17, FBP15, FF05,
FSvdV98a, GJ17, GR05a, GLL+15, GJP+14,
GPVG01, GH02, GCB15, GN19, GC19b,
GMS02, GH14, GHKS14, GS97, GVM14,
GN07, HH02, HJ98, Hok17, HKT01, HXB13,
HLM16, IM97, ISG15, JK07, Jar19, JR19,
KB08, KA95, Kaa97, KZ00, KL14].
Linear
[ADP19, AEFS17, ADKM03, ABF96,
APSG16, AK17, ABR17, Ami94, ABK11,
ADH99, AD07, AL97, AdSK19, BLV18,
BK98, BK99, BM03, BSHL14, BPR04,
BM01a, BBM11, BEM18, BB15b, BG17b,
BLS14, BCF12, BF06, BLR14, BS99b,
BGR10, BC99, BM00, BMV13, BF07,
BG04, CG18, CL11, CGKM16, CZZK16,
CCG14a, CTB15, CGR14, CM09, CN12,
CGM99, CCJ07, CS10a, CBG16, CK19,
CC19, CN10, CW12, CH11, CS10, DS199,
De 12a, DGK+16, DHO12, DGvdZ18,
EGKS94, EV13, FMS17, FBP15, FF05,
FSvdV98a, GJ17, GR05a, GLL+15, GJP+14,
GPVG01, GH02, GCB15, GN19, GC19b,
GMS02, GH14, GHKS14, GS97, GVM14,
GN07, HH02, HJ98, Hok17, HKT01, HXB13,
HLM16, IM97, ISG15, JK07, Jar19, JR19,
KB08, KA95, Kaa97, KZ00, KL14].
Nonlinear
[KLR15, KLRU17, KM98, KLS08, KKT19,
Kus97, LP13, LRW96, LV13, U17, Lay96,
LMW15a, LWZ17, LW14, LMT18, LSV13,
LSZ11, LKK18, LK04, Liu00, MIS03, Mar04,
MO00, MP08, MG12, MT99, OW00, PL03,
PW15, PW98, PPT11, Pla98, PVB18,
RKP16, RLM+00, Sch03, Sem10, SHP07,
SY18, SB05, Sl02, Sm04, SVX15, TW05,
Tra95, VMM13, VC00, WS95, WL08,
Nonlinearities [JKM14]. Nonlinearity [CL11, GM00a]. Nonlinearly [CK02, HYC16, DH16]. Nonlinearity [CL11, GM00a]. Nonlinearly [CK02, HYC16, DH16]. Nonlocal [CGV18, DHZZ18, FK19, KM97, RAB14, XJBS12, XJS13, ZHDZ17]. Nonlocally [LH19]. Nonmatching [MLL13, RT01, WK03]. Nonmonotone [Toi96]. Nonmonotonically [TN16]. Nonnegative [AN16, CIZ16, CL08, DHHR09, GW17, IL16, KP11, LD11, NSJ03, SX11, ZJX14, FS96]. Nonnegatively [BV03]. Nonnested [Cai95]. Nonnormal [vD03]. Nonnormality [vBdB05]. Nonorthogonal [DGK98]. Nonoscillatory [BT06, CFR05, CV07, DB07, GR02, HKYY16, JT98, LN03, LT00, QS05a, QS08b, ZLS12, ZQ18]. Nonoverlapping [Den97b, LPP19, MRS04, PL12, RL10, RGG06]. Nonparabolic [DJP00]. Nonparametric [EMT09, ES00, HHH08, Hei13, LYLC17, Rei13]. Nonpolygonal [And08]. Nonpolytopal [BB10]. Nonreflecting [LS02]. Nonsmooth [BBBS16, CZZK16, CKXZ18, HTMM15, IJT11, JL16b, KP12a, Kra09, MV06, HJ18c, LMM18]. Nonstandard [BTT13, RU01]. Nonstationary [BTGH12, SMN10]. Nonstrictly [TW95]. Nonsymmetric [BDD+97, BN05, BGL08, BBM11, BT98, BSvD99, BHT00, BM+10, BCM03, Bur13, Bur14, CJI11, CKD13, CS96, CKY98, ES17, EFPv94, HWD02, HZ10, Ips01, Jou94, Kas95, KOV15, Koz11, LZ99a, LSS03, MS07b, MRS18, MS19, MMRS19, MNI1, PV95, Ruh98, ST08, SIS96, SG95, SvG08, Sta94, TT07, Ton94, Zha97, dDBV14, dSL05, CGS+94, DS93, ES96, ST94]. Nonturbulent [CBS00]. NonUniform [SR16, Ain14, BBBV13, BGOD08, BMA19, BB15c, CRK50, FCMI2, GMSB16, NL99, RAT18, Zen16]. Nonvariational [LP11]. Nonzero [CXY10]. Nordsieck [Ku12]. Norm [BM18, BPS14b, BLP14, BM00, BBR08, GL08, GS98b, KA95, MS19, Meu11, Pic10, Yan18]. Norm- [GS98b]. Normal [KM05, MO10, ST16b, VL10, WR13, YPN+01]. Normalized [BD04, BL08a, TW13a]. Norms [ACO98, ACC00, FNBN05, GMD04, GG94, GH10, HL17, Lec10a, LHI7, MFF19, MTM08, TMA18, Xu94, YTLI11, ZLTA15]. NR [CLQ12, CLW13]. Null [BN00, HHLW15]. Nullspace [Le09, RG13]. NUMA [GKC13]. Number [AMHR13, Bja19, CKQ14, DLV17, FMW19, Fer98, GH15a, HR14, KR17, KL15, LSW02, LX16b, NH12, NBA+14, Pel18, SSMN12, SV08b, SV11, Ste11]. Numbers [EL01, HL17, KV05]. Numerical [ABB98, AB17, APZ13, ADK03, ABH03, APvDG12, Ama98, AI05, AP97, AT19, AO17, Aru12, ACCP13, BH00b, BL03a, BMS05, BMTZ13, BBC+01, BN00, BPB07, BGK15, BK08, Ber98a, BM05, BK04, BSSS14, BI09, BCM15a, BK00b, BV09, BHT11, BBC07, BPT19, Bzo09, Bre17, BMM+08, BTT13, BJ08, BLLL07, BGMW17, CG18, COZ96, CLMM00a, CKS01, CL10, CLPS03, CKZ15a, Car07, CM09, CRS+18, CP05, CP12, Car93, CEOR18, CH08a, Cha07, CGK13, CGV18, CDF18a, CLAT10, ICCVEK17, CW06, CK98, CH09b, CG96, CFH19, CBF17, CK94, CHL16a, CHL16b, DO11, DF98, DK11, DMM005, DNP+04, DPP0, DL17, DLM16,
DQQ13, Don06, DV98, DMM19, DG99, Du11, DHZZ18, DP16, Dur16, EL03, EP06, EF05, FGMP13, FGMP14a, Fai03, FTY15, FMM98, FL04, FY14, FR15. Numerical [FMS17, FMR06, Fro12, GS16, GK00, GHHK15, GHTW00, GM94+0a, GMV99, GT06, GV16, GKD05, GGM07, GMS02, GKT09, Gre03, GV07b, HRT10, HT13b, HM98, HBB+16, HLP08, HRS19, HR99b, HC98, HHL07, HHL15, HLM03, In99, Jam98, JK12, JMNS16, JW05, JW13, JZ00, KB08, KP12a, KW07, KKN18, KKF11, Kla99, KS15a, KH18, Kös07, KS15b, Kup98, KGT07, KM05, LQ19, Lan94, LLP98, LL02, LZ17a, LG97, LMPQ03, LL00, Li03, LB15, LO03, LS09, LC05b, LP06, LLS19, MR09, Man05, Mar94, AE18, MSW05, McL95, Men94, Mic01, MT97b, MT06, Mis01, MZ94, MS07e, MDC98, MHS98, Nas09, NWW07, NNN99, Obe13, PBP14, PS18, PL03, Pem93, Pic10, PABG11, Por01, Pup03, QNNZ19, RPK18, RR98, RW06, SSW18, SRCG93, SBS98, Sci95. Numerical [SCM10, SY10a, SP02, SO15, St01, SW15, ST11, TR93, Tim19, Toi08, TW17, Tre97, Van95, Van00, VW98, VR14, WS95, WWW09, WM93, Wen08, Wen10, WP98, WKM+07, XBC96, XKKW08, XKO8, XT06, YTL11, YZ07, YZ08, YP98, ZLLT15, ZD09, Zha18b, ZW03, ZCP06, ZYLW16, Zhe07, ZK15, ZHDZ17, ZS02, ABS96, BS94, Ber97, BH97, BGP94, CDH97, Rän93, RST93]. Numerically [LRP07, LP08]. Numerics [ACF09]. Nutshell [HL98]. Nyström [CSS93b, Cas05, CCC18, PT99].

O [AGL10]. Objective [KHRvBW14, ten95]. Objectives [San10]. Objects [ZB12]. Oblique [EO16a]. Oblivious [LFS08, SLFL06, YB09, ZGG17]. Observation [ZGA10]. Observations [EN16, Har11, MT19a, NMFP16]. Observed [JKLZ18, LKBJ18]. observer [BDP96]. Obstacle [BCH12, MRW15, MZ94, NS06, RZ03, WW10]. Obstacles [LS09, AE95]. Obtain [CAB04]. Obtained [BK11]. occasion [PS97]. Occupation [KTSB19]. Ocean [ADM10, HZXC16, KH14, NK13]. Oceanography [XBC96]. Octahedron [AB08b]. Octree [HHR07, SB10, WM11, HH11]. Octree-Like [WM11]. Octrees [BAR05, CV94, AP97, BN13, EM96, JG03, JS93, LZK17, Log03a, Log03b, SB98, Ver94, WE13, ZS14]. ODES/DAES [Bar05]. Odyssey [AB03]. Off [SE13]. Offline [SW09]. Often [WS05]. Oil [BMM98]. On-Line [OS15]. On-the-Fly [TY11]. Once [MPW18]. One [AK18, AP01, AHR12, BT06, BF05, COZ96, CM98a, CGS02, CV18, CC12a, GBCT10, GC19a, GT06, GV09, Haz08a, Haz08b, HC95, KS17, LS95, ZZ18, Lin08, MR07, PrM16, Red99, SXW16, SV11, Sta07, SMR01, SJD14, Vl09, VS03, WLL+15, Wen08, Xu04, YHQ12, SDe93, DSZ13, Hes97]. One- [BT06]. One-Dimensional [AHR12, COZ96, CGS02, CG18, GC19a, GT06, KS17, LS95, Lin08, PMR16, SXW16, SJD14, Vl09, VS03, Xu04, YHQ12, ZZ18, SMR01, Hes97, DSZ13]. One-Stage [CC12a, Haz08b, Haz08a]. One-Shot [CC12a]. Online [AF11, LPSB17, PW15, SBK18, SW01a]. onto [Ama98]. Open [HG96, LJJ09, VS03]. OpenCL [DARG13]. Operation [CF07]. Operations [AS07, BTK19, BB09, JK12, KX13, MW08b]. Operator [AN17, BBB14, BPS14b, BS16b, BS06a, CCC17, CS18a, Che13, CDB13, COK15, DG16, DNH22, DMD+12, FKK+14, GHHH17, GS18, GLQ16, GLQ18, HHLW15, Liv08, MPRW98, PC98, Rahr00, RZ03, RSW10, Rub12, WLZ18, XZ10, YYWY18, ZB12, vGEV07]. Operator-Based [RZW10].
Operator-Splitting [GLQ16, GLQ18].

Operators [ARM+19, AWW19, BS96a, BT04, Beu05, BC02, BZ15, CDY07a, CJ05b, CJ95, DZ15, Doh07, Elb05, FF15, HDZ16, KX96, LW97, MC10, NN18, ODN17, OLN18, OSR12, SY08, TV03, VR14, WH15, Win10, XL18, YR98, ZN16, Nat95, Nat97]. Optical [BIK02, CILZ15, HPS08, KdS05, OKdSG17, RBH06, SKMF15, YSS07, dSK11].

Optical [Lee10a]. Optics [Du11, GRPG01, QL06]. Optimal [AMVR17, AA00, AAD11, APSG14, APSG16, AS18, AFOQ19, AS93, ACLZ15, AHT16, BGV16, BGL06a, BBH18, BHvST14, BH11, BFK05, BG05b, BK00b, BI02, BVW09, BBO09, BCK+18, CGR14, CF07, CWL+14, CK08, CCC0, CBDW15, CS10c, Ded10, DZ12, DP07, E¨U09, ES18b, FF15, FD03, GS18, GXY15, dMGF17, GPS95, GM11, HRT10, HS12, HR99b, IR99, Jac03, KB08, KKZ17, KLS+15, Kla98c, KAL07, KL12, KT17, LPSB17, LXX15, ML17, MRS04, Mar01, MNS07, MSS10, MCB18, MK08, MRW15, NRMQ13, Not00b, O’L01, OW02, PWG16, PST15, PBSTB+15, Rav05, RDW10, RW11, RVA05, RW13, RCC18, RCO18, ST03, SX16b, SP16, SSC+15, SCW+17, Sta07, SM07, SM15, SBMR18, SW09, SW01a, SJ14, TO15, TWK18, TVU10, Wan07a, WG00]. Optimal [WG12, Yam02, Yin95, ZWH+14, ZFWCW15, BDHS10, Cai93, DGH12, Lin16].

Optimal-Transport-Based [MCB18]. Optimality [CCS97, Don06, NM13].

Optimally [BS18a, BSU19]. Optimization [AEMM16, AHT12, AOR18, ADLW19, BCS07, BM18, BWB19, BPS13b, BPS13a, BG05a, BG05b, BH08, BP19, BGR10, BLNZ05, CA16, CC12a, CJCY16, CKXX18, CDM+13, CSW10, DP17, De 12a, DF10, DKK+19, DNM08, Doh07, DFSJ19, DS17, DGSW10, DW15a, EKM94, EE14, EN16, FM16, FGH+08, GLL+15, GLX19, GHUK15, GU17, GJ05, GPZ17, GH01, GJ94, GV07b, GKL08, GHS14, HOY03, HM10a, HT13b, HS06b, Haz08a, Haz08b, HJ18b, HK03, HL19, HRS12, HKT01, HJL+19, HGZ17, ISW18, KSD10, KLST06, KS07, KLT16, KM16, KHRvBW13, KHRvBW14, KSV16, KPB17, LCH09, LU17, LS13a, LN05, WLXY00, LWZ13, LGH+13, LNA+11, NWW97, PWF18, PR09, Par17, PN13, PSL14, PDC99, PM12, PBC05, PC07, QG017, RP01, RL17, RG07, RDW10, SWW08, SWB16, SSW12, SPS18, SW17, SJJ16, SU15].

Optimization-Based [ADLW19, BPS13a, KBP17, ZDZ16].

Optimization-Constrained [LCH09].

Optimizations [HML+04]. Optimize [BSHL14, WBS+17].

Optimized [AdSK19, ADM10, BM01b, BC13, CBG12, CK94, DBMB10, DGG09, DKZ09, DGL+12, EDGL12, GMN02, GK12, GX16a, GZ16, GV19, GI17, HJN17, IT09b, Jam98, LNS15, MHL+15, MM07, OKD16, PKD13, QX08, SCGT07, SAB14, ZSB16].

Optimizing [AB16b, Fie98, GRPG01, Kaw18, KKLS05, MHL+15, PD15, Rán93].

Optimum [Le 01].

Option [GMP19, IT09a, LZ16, RW07, WWH17].

Options [AO07, FO08, HY08, HFL11, IT09b, KL11, LFO08, Mar03, OGO13, OGO16, RO12, Toi08, ZK14c, dFL05].

Optimum [Le 01].

Option [GMP19, IT09a, LZ16, RW07, WWH17].

Options [AO07, FO08, HY08, HFL11, IT09b, KL11, LFO08, Mar03, OGO13, OGO16, RO12, Toi08, ZK14c, dFL05].

ORBIT [WRS08].

Orbits [CD06, DDF00, GM00b, LMR97, LCH99].

Order [ACVZ12, AVZ13, Abg09, ADR14, AMMR10, AMM+10, AMM+11, ABM+13, AV14, ABMR11, ABD15, Ain07, AAD11, Ain14, ABF96, ALLK15, ABST13, AK17, AHT12, ALMR17, AABM13, AW19, ADGM98, ABIGG16, AF11, AT19, AD18b, ADK+18, AP12, AS06, AK04, AIV98, BBSW16, BS05a, BCR11, BM11, BT06].
BOB$^{+19}$, BS05c, BGN07, BMF19, BB15a, BB15b, BBK715, BM08, BPR99, BT97, BBD16, BFS16, BZ15, BLR14, BV16, Bre17, BTT13, BLM03, BS19, BS18b, BGL06b, BLL07, CI19, CLMM00a, CLMM00b, CL10, Ca07, Cas05, CDK19, CS18a, CW18, CGV18, CMM00, CW15, CK15, CDF18b, CAT10, CD15b, CYZ17, CM100, CFJT18, CM99, CG07, CK94, DW97a, DW98, DM13a, DG09, DFN12, DGF19, DKK$^{+19}$, DAE02, DMRR19, DGP18, DS16, DWQY19, DMD$^{+12}$, DK98, DKM14, EO15, EO16a, EIL01, FMM98].

Order [For06, GV19, GH07, GM17, GW15, GBCT10, GMvdV18, GG19a, Gia18, GM14a, GG19b, GZYV18, GZW18, GB06b, GPA18, GLT09, GM15b, GNPT18, GdL$^{+18}$, GM19, GM11, GX16b, GLW18, GM04, GN07, HHT03, HO18, HW13, HLO9, HZXC16, HJ18b, HRT13, Hen05a, Hen06, HO94, HO96b, HH11, HS01a, ISG15, ILK05, Jam98, JK15, JK11, JLZ17, KM11, KS09a, KO05, KT05, KL05, KPL13, KZK17, KR11, KPS19b, KCB17, KW16, KP05, KSL14, Kup98, KL00a, KPY17, KL11, Kye12, LO11, LE10, LU17, LMMR00, LM15, LMM17, LL00, LPR02, LG09, LLLX16, LD16, LZZ18, LM14b, LM14c, LSZ11, LY14, LTW18, LGW19, LZZ19, LX16c, MGGM, MNN07, MSL13, MC10, MRS14, MRS16, MN18, MMS18b, MWY17, MCV17, NHSS13, NN14, NS06, Not00b, OKdSG17, ODN17, Ols07].

Order [OR18, OH05, PWF18, PL03, PT99, PCFN16, PDA09, PSC18, PP12b, PP12c, PJ96, PN19, QS18, QS08b, RRR05, Rav02, RL10, RKL07, RM12, RM08a, Ros05a, RW00, San10, SDNL10, SBK18, SRS19, ST03, Say15, SPKB13, SKWK18, SH07, SC02, SC98, Str09, SJ14, TWA02, TM14, TPB17, VC00, VVM12, VB07, VSBBH99, Vili14, Vii15, WMC12, WGT14, WP19, WSK99, Wen08, Wen10, WMBT19, WM05, Win06, XH15, XMRI18, QXQ15, XH05, YY18, YSS07, YCS16, ZBFN17, ZTKK15, ZLTT15, ZS03, ZJC12, ZLS12, ZF14, ZFB15, ZYSL15, ZSB16, Zha18b, ZFZ14, ZHS10, ZLTA15, Zim14, ZPE12, dVM08, vdVXX19, AdWR17, Ahi96, CSS93b, GY05, HKYY16, HO96a, LSM93, Pem93, She94, She95, ZMC94, Zha18a, ZSpH14].

Order [MSL13].

Order-Optimal [MNS07].

Order-Preserving [AWW19].

Ordering [BT99, ÇAK11, GBDD10, HR98a, MKSG10, MM95].

Orderings [BSvD99, BT00a, BT00b, Day98, INS05, SO97].

Ordinary [Bre17, CP04, EM99, HV04, HJLZ18, IM99, KW15, KR12b, LLS13, ML05, RN16, SB05, TSK09].

Ordinate [HHE10].

Ordinates [AKM14b].

Orientation [HH16].

Oriented [CPB13, CCH15, DMRR19, Gr95, LW12b, LW14, PDMVM08, RL13, SCW+17, Wic17, vdZvBd10a, vdZvBd10b, RG94].

Ornstein [BPB07].

Orthogonal [AK04, Bar00, BF95, BF06, BL99, BL03b, BDMFL04, Car10, CEHN08, CW16a, CP03b, CBS00, CG10, CLN12, CRT11, FHH+18, GL18, HM14, HLR18, IW14, JED10, KH00, KP12b, Ml08, MNZ15, PDA09, Rav02, RSSM18, Sun95, Sun96, SLC01, WGB97, WLL+15, Zie12, von97, ALT93, Bia94, Rag95].

Orthonormal [WO09].

Orthotropic [LOL13].

Oscillating [KSB11, WTWB09, Tsy97].

Oscillation [LP96].

Oscillations [LRP07, LP08, Pet05].

Oscillators [Lk04].

Oscillatory [AKT16, CSS09, EY07, GASS98, HW14a, SKB13, Vll14, YP98].

Oseen [AOR18, B006, HSS08, Le09, OV07, Wab05].

Osher [LPP19].

Osmotic [WFAP15].

Other [Bal00, BCF01, O'L01, SM17, ZW03].

Out-of-Core [ADL+12, RS99, AGL10].

Outer [GGGL10, GY99, GP17, OKdSG17, Saa93, AA14].

Outlier [AA14].

Outlying [VR16].

Output
Outputs [PDH09, PN19]. Over- [SM14].
Overcoming [EO15, EO16a].
Overdetermined [DN13, ST96]. Overlap [AA13a, Bre00, DW94, GMN02, GZ16].
Overlapped [SX11, WH95]. Overlapping [AKA13a, Bre00, DW94, GMN02, GZ16].
Overresolving [BSS17].

p [ST98, BOF16, HK95]. P-Version [HK95].
P3DFFT [Pek12]. p4est [BWG11].
PageRank [FLM05, GGGL10, GK11b, LM05a, WWJ12]. Pair [Le95]. Pairs [EH18, PT99, SS93a].
Parabolic [AB08a, AAII98, And16, AH09, BEEM18, BC09a, BCF12, BF06, BF14, BvW09, BV16, BWZ10, BW09, CH09a, CDG17, CGR14, CCG14b, DKO12, DGVdZ18, FMOS17, FH06, GN16, GPHHAR18, Gra14, GS00, HLNS19, HVW95, HV95, KKH18, Kye12, LV13, LLW16, LSC18, LSS19, LPP09, LW19b, MNS07, MSW05, MPW09, MSS10, Moo00, NS19, PS11a, Pic03, PMSB12, QX08, SV08a, Slo02, VV05, WG12, WvdZsvB18, Yu01, ZS02, ZFS15, Boe93, Cui94].
Parallel [ABM+13, AKK14, AAB+16, ADLR15, AAII98, ACD18, ABI00, BMP14, BDD+97, BDHS10, BDS98, BH00a, BL04a, BO07, BMA19, BS98, Bar00, BPT+14, BPSV15, BSV19, BYL13, BDGD05, BFG+16, BG05a, BG05b, BMF12, BK17, BBD10, BVCG+10, BTB05, BMGR01, BBR08, BG12, BRK16, BWG11, CGK+98, CR16, COS06, CV15, CGG+14, CC12a, CC06, Cho00, CP15a, CMO10, CHO12, CG93, CP95, CKLN08, CML+18a, CML+18b, CDFQ11, CFM98, DGH12, DKKP14, DBA19, DGR+17, DG99, DGVdZ18, Ema10, EKSS16, Ett16, FKM19, FFK+14, FNL+19, Fie98, Fis19, FW07, FJP99, FR19, GV07a, GZ13, GN16, GHRR19, GKV00, GKM+17, GCB15, GAMV13, GG05, GKR16, GKS98, GKK10, Gri95, GKL08, GLD07, GR05b, GH97, HKR02, HO15, HW14a, HK099, HRT03, HIT19, HKR16, HJ98, HW94, HL95, HJS99, HK00]. Parallel [HS06c, HWDO2, Hen06, HSF07, HP94, Hig95, HLNS19, HH16, HVW95, HKT01, HDF+19, HGWR16, IBM01, INS05, JFG10, JH12, JCL07, JP07, KU18, KAU18, KR06, KLRU17, KV12b, KRD18, KHKL16, KZ16, KM19, KW10a, LCB07, LMR98, LHN96, LNZ9b, LSN17, LYL+11, LC05a, LC08, LXH16, LT14, LKvB10, LD11, Lnt15, MKSG10, MMM+94, MXY16, Mat95, MS14, Mzb+15, MZ09, MFPG18, NS19, NvdP00, Oet99, OW98, OKD16, OKF14, PS11a, Pek12, Pe93, PXY16, Pip13, PP13, PELY13, PDMY14, PBC05, PC07, QQQvG01, RT10, RWA95, RT99, RGB15, SB10, SvdGP16, SM17, SR16, SWT00, ST00, SC98, SO97, Sum96, SB08, Ten98, TD99, TAH15, UA04, UA07, WZ03, WCHX13, WiO08, WC17, Wu18, XB16, XA99, Xie05, YCZ13, YL19, ZS14, ZSD+10, ZK96, AS93, AM95, BDP96, DS93, parallel [EG93, GÖT94, JP19, Lm93, HM95, OA93, PS93, RG94, SMI93, TW93, Wat94, AA14]. Parallel-In-Space-Time [DGVdZ18]. Parallel-In-Time [HDF+19, KM19, HW14a]. Parallelism [ABB+16, BDO12, CBHB19, Mins02, PQOB14, RNR16, YS16]. Parallelizable [GLx19, HLT797, NT18]. Parallelization
Parallelizing [HvdG96]. Parameter

[^BG17a, GLSTV16, Til15, WZSL12].

Parameter-Choice [CMK11].

Parameter-Dependent [BFN17, CBS00, GN19, KPS19a, TUV10, ZN16].

Parameter-Robust [LMW17].

Parameterization [LMR97].

Parameterized [BBBG11, CGI11, CW12, EF15, GLT09].

Parameters [DD12, EHN12, GK12, HSB12, Jac03, JG02, KS15b, LM14b, O'L01, PDC99, VR16, DG95].

Parametric [AH17, ABdSF15, AF11, ACW12, BGN08, BPS14b, BS16b, BTWG08, GU17, GLMN15, GY09, HHM07, KS11, LQR12, LSI1a, TZ14, TB02, dSGK15].

Parametrization [SM15]. Parametrized [BKGV16, BSU19, DDMQ18, DLY14, Ded10, DO12, EPR10, GV12, IA14, JX13, NRMQ13, SZP19, SMBR18, ZFBL15, Zim14].

Parareal [AKT16, DM14a, GJSZ13, GKRNS19, GJS19, HLS13, MG18, M18, W15, Wu18].

Paraxial [CJ95, QL06].

Particle [AdWR17, BKK18, CP13, CLK18, FDS13, GH15b, Gon15, GCR16, GC17a, GS00, GS02a, GS02b, KKP14, KCZ15, KO17, Kus00, LHL12, LKB18, AE18, MW03, MCV17, PW12, PCL16, PMR16, PP13, SRC12, Sch09, Sha03, SC02, Str00b, TK13, TK13, WMC11, MG95].

Particle-in-Cell [KCZ15, MCV17, WMC11]. Particle-Mesh [CLK18]. Particle-Partition [GS00, GS02a, GS02b]. Particles [Ste11].

Partition [Bet08].

Pass [Bja19].

Pass-Efficient [Bja19].

Passage [AM05, Lan94, HT16].

Passing [BS98].

Past [NH12].

Patch [BRK16, LSY19].

Patchy [CCFP12].

Patchy [CCFP12].

Patch [CCFP12].

Patch [CCFP12].

Patch [CCFP12].
Path-Constrained [KB08, RP01]. Pattern [BCFJ19, HKT01, JF11, KV13]. Patterns [Cho00, LCBD07]. PBDW [MT19a]. PC [CML+18b, Gri19]. PCA [CSB+18].

PCBDDC [Zam16]. PCG [NSJ03]. PBDW [MT+19]. PC [CML+18b, Gri19]. PCA [CSB+18].

PDAE [MB02, NP08]. PDE [AB08a, AOR18, ALZ14, BPS13b, BG05a, BG05b, CDF18a, CPR11, EN16, FFHR19, FR19, GGOY02, GV07b, GHKS14, HL10, KM18, KHRvBW13, KHRvBW14, MRL+17, NMFP16, PWF18, PMSB12, PBC05, PC07, QGV17, RDW10, RDB16, RTH17, SK19, SMI97, SB15, YHC16, YZ05, Yav93].

Performance-Based [JMNS16]. Periodic [AP14, Bit99, BR18, BBT11, Coa12, CD06, DLY16, ELthH00, GJS13, GM00b, HJMS07, HSSZ09, KL12, LZ17a, LR98, MBGV16, PMSB12, SSH06, TP09, WJMT15, XYGO01, ZHA18, ZHA18b, BR95, PET93].

Pharmacodynamics [AWA+18]. Pharmacokinetics [AHDK14]. Phase [AHR12, AHT17, AGPR19, BCT05, BH11, BBKW19, BBSN08, CS94, CCCC17, CLDS19, CCER12, CL97, CLNZ16, CS18b, CDB13, CG96, DZ08, FTY15, FL08, GHMY18, GHKH15, GZ18, GZW18, GX16b, HH00, JW08, KSM18, KS15b, Ld12, LR12, LX+10, MK96, MCV17, PT99, PII12a, PV15, QS14, SY10a, SY14, SO09, TK13, WC03, WMC11, WMC12, Wic17, WGF08, YYS16, YY18, LV94]. Phase-Field [CCC17, CS18b, FTY15, PV15, SY10a, SY14, Wic17]. Phase-Flow [JW08]. Phase-Lag-Order [PT99]. Phase-Space [MCV17, WMC12, WMC11]. PhaseLift [HGZ17]. Phenomena [CM09, EW00].
Polynomial-Degree-Robust [DEV16].

Polynomials [BMF12, BT19, BDMFSL04, Car10, DP09, DAE02, Goe94, HKYY16, KT15, Kei09, KP07, LX08, Lin06, PDA09, UW94, Win06, She94, She95]. Polytope [CL08, GS19]. Polytopic [AFRV19].

Population [AWA18, Kim05, KW10b, PSB06]. Poroelastic [LOL13, LO14, Lem16, SCC17]. Poroelastic-Fluid [LO14, Lem16]. Poroelasticity [BBKT15, LPMR19]. Poromechanics [FCF19]. Porosity [AHT17, HQH16]. Porous [AE08, AB17, AD18b, AFRV19, AGPR19, BC09b, BEM17, BBKT18, CFGM11, Cli98, CDF18b, CDB13, CCH15, FHR14, GYZ11, GJP14, GI17, JMN01, LVWW03, LE10, LY98, LRGO17, MJR05, Slo02, TTTM08, WLE00, WZET13, WPT17, YSSH16, ZT17].


Positive [BGLY05, BGM13, BM08, FEM08, HM10b, JFG10, LFH19, Lan19, LL89a, Lu95, MV00, MB09, Ng00, Pla15, PS01, ST14a, SO18, VSS14, WS18, Zha96, ZLWW18, FS96, FF94].

Positive-Definite [BGLY05]. Positivity [ABR17, CLTX15, GW15, LLLX16, LGW19, PH13, QS18, Sur00, UW94, YCS16, vdVXX19]. Positivity-Preserving [ABR17, CLTX15, GW15, LLLX16, QS18, Sur00, YCS16]. Possibly [Hei13]. Post [RSA05]. Postbuckling [DP03]. Posterior [BSHL14, VBA18, WBTG18]. Posteriori [ABF99, Ain07, AOR18, ATK12, BPS14b, BDW11, CP04, CP03a, CK03, CP07, Cha18, CCH15, CWG10, CHH01, CPB19, CSW14, Ded10, GSV18, JSV10, KS99, LU17, PS10b, WTY11, WRSZ18, WLLZ18, WBTG18, WW10, WSH14, WvdZSvB18, ZHS10, BBT11, DEV16, EV13, EMT09, Ho04, Sch03, TW13b]. Postprocessed [Vi15].

Postprocessing [ABCP08, CRKR07, DK98]. Potential [BS06b, CGK+98, HM98, HA17, HR98b, LZ17b, MRT00, NKLW94, RLM+00, WK18, aKT18, WM93]. Potentialities [MM98]. Potentials [Bar14, BWV15, CMZ19, CIZ18, CJ05b, DLY16, Far01, G07, HJMS07, LG09, OSU10, Sha12, XYG001]. Powder [GLL01]. Power [ALRT17, DSC05, PBV18, TW17, YPHH17, CW93].


Preconditioner [AVBTF17, BNN02, BDGK18, BDDSM11, BBM11, BGM13, BMT96, BT98, BT03c, BCFJ19, Ber00a, BG09, BLM03, CS99, CGS05, CB12, CC02, CWX15, CG17, CPD17, CST+13, DMLM05, DFG15, DKK18, Doh03, EO05, FMW19, FCF19, GM15a, GrM10, HCK05, HMK18, HM19b, JFG10, JKX10, KR14, KLW02, KL05, KL06, Kla98c, LS05a, LY13, LY16, LY18, MT96, MW13, NV05, NSK10, OW98, PEC+14, PELY13, PV15, QS06, RT01].
Preconditioners

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Priors [CPP+17, WBS+17]. Prismatic
[CDG17]. Probabilistic
[GH15a, GR04, HM19a, LD04].
Probabilities [GSS12, IM98, Wal14].

Probability [BP06, BTGH12, BJW18b, GDSL14, Guo96, KK17, LX12, LX14, MFSY19, PSSW15, SG04, WK06, WI12b].

Probe [EP06, LS09]. Probing
[SLO13, vdBF08]. Problem
[AHT12, AOR18, AFOQ19, AMi94, ACW12, AHDK14, AHR12, BMV18, Bar12b, BBGS04, BC06, BK08, BACF08, BO06, Ber98a, BH11, BK00a, BBD16, BL99, BL03b, BIYS00, BBR08, BCM15b, CR16, CGAD95, CK03, CGP12, CCO8, CD07b, CH02, DS17, DEP11, DSZ13, EVL17, ES17, FG14, GH13, GKV00, GS12, GP99, GB06b, GKL11b, GO09, HRT10, HLD12, HT13b, HJ18c, Hv96, Hv93, JMM10, JM17, K02h, KL06, KL10, KL13a, Kup98, KL00b, LO19, LM05a, LL98a, Le 09, LR12, LLX15, LIW19, LS05b, LPP09, MR04, MMT15, MRT00, MRW15, MV06, NH12, NWW97, OR02, OQY18, PRS12, PV11, PMH16, PBJ96, QNNZ19, QOQP99, Rad16, RH09, RSA05, SS98, SH07, SBHS19, SS10a, ST00, SK19, SSF16, TY08, TET10, TX17, TV11, TIN19].

Problem [TD99, VP10, VV13, WWJ12, XYGO01, XY12, XK08, YVB98, YSZ14, ZYS15, ZW19, dVL10, vBdB05, vWBV09, CSS93a, CW93, D93, MMP93, MC9N4, SREK93, Tre97, YL93, Zha94].

Problems [ADR14, ABL05, AN17, AL02, AC05, AB08a, ABF99, AEFM17, AA00, AFF15, APSG14, APSG16, AS18, AVBT17, AF19, AV07, AGH13, AF15, AHDK14, AH04, AH06, AHH12, AD15, ADF19, AP09, BS07, BKG16, BH14a, BCS07, BL18, BDS98, Bao08a, BL03a, BYZ19, BSH14, BBC101, BLV17, Bar14, BBGS13, BOF16, BGK15, BGM13, BEEM18, BCC15, BB15a, BSv99, BT03c, BP13a, BHNPR07, BLS14, BK06, BM01b, BYL13, BF95, BF03, BF06, BDF08, BB05, BKF19, BF14, BH08, BwV09, BLR14, BBM15, BQR18, BS99b, BT13, Bou01, BtVCG10, BCL99, BM95b, BK12, BLO8b, BM10, BM14, BMT14, BW10, BH07, BDR18, BP06, BHR96, BK98, BTGH12, BGTSM13, Bur13, Bur14, BEH19, BG13, BG04, BGM17, BJW18b, BJW18a, Cab94, CW07, CL11, CSS09, CG16, CDG17, CP95].

Problems [CEJ10, CPB13, CGR14, Cas05, CC12, CT03, CW17, CG14, CKY98, CD02, CJ16, CJ05a, CKV09, CWY17, CG10, CK98, CN10, CO11, CEO11, CS17, CBK18, CH10, CDG9, CS12, CM99, CMG00b, CGT01, CDN16, CP17, CDFQ11, DMS01, DN13, DFG15, DD00, Dct08, DH95, DLZ06, DQ13, DPW19, DEV16, DM19, DK012, DZ10, DJL96, DK03, EK19, ES19, EO05, EN08, EGK94, EPSU09, EK14, EK10, EHW00, EMT09, EPV94, FG13, FGM14a, FGM14b, Fai03, FMOS17, fS12, FH06, FTY15, FL77, FM98, FDS13, FAA11, FS02, FK00b, FS11, For06, GJ17, GJSZ13, GH13, GN16, GX16a, GKR19, GLX19, Gar05, GU17, GH02, G03, GK18, Gvd17, GMvV19, GG19a, GH07, GV12, Gia18, GKG14a, GY02, GPH18R13, GHN01, GH09, GT94, GI99, GHR12, GHR13].

Problems [GMS18, GM00a, GLO16, GV09, Gu15, GVMM14, HA01, HMM17, HR06, HSB12, HSW08, HAN18, HS06b, HN06, H18b, HMK19, HM14, HTW12, HL10, HLT16, HLNS19, Hof05, HXX18, HR99b, HS01a, HK13, HY10, HR99c, HHL15, HLM16, HWM07, HSW08, HMK04, HV07, HLM03, IM97, JK14, JR98, KKV13, KL16, KL18, KS94, KPT16, KMA12, KZ00, KY19b, KM19, KO99, KGR16, Kla98b, Kla98c, Kna98, K16, KV12b, KL12, KC16, KH18, KG14,
Problems

Procedures

Processors

Projected

R [MIS03]. Rachford [CLST03]. Radar [GH07]. Radial [Ama98, BN98b, BLB00, CB02, DFS17, DQ14, FM12, FP07, FLF11, GD07, JK10, JK15, JP16, KL13b, LHHF13, LSH17, LW19a, LW17, Pir16, Pla15, WDG+18, WRS08]. Radially [ADK10, MT09]. Radiation [BW01, HG02, HHT03, Kan03a, KR14, PP05, SYY09, YCY19]. Radiative [BK98, BK09, GP18, HHE10, JLY08, PKR+13, RH06, SKN19, YCS16]. Radiography [HFL†16]. Radiotherapy [CDM+13]. Radius [Gug16, HOY03, JP11, RMD08, Ros15]. radix [Goe97]. Radon [ACD+08b, Man99, Rim18]. Random [ABE+17, ADK19, BJ01, BF16, BW09, BCV13, CGGX15, DU19, DHP17, DW15a, ERSU09, Gri19, GS14, Hr03, Hri05, HTU+16, IK10, JK12, JLP18, KKV13, Kaw15, KRG019, LSW02, Lan94, LZ15, LK04, LW19b, MFS19, MNvST13, MC94, MZ19, MNZ15, OUt97, PS12, RDB16, RNR16, SM04, SM15, TZ14, TG04, TCCK18, UEE12, Ver96, WR13, WZ18, WT12b, XH05, XT06, YCZ13, YR12, ZRK15, ZS04, LL94, YGCP96]. Random-Sampling [BCV13]. Randomization [DLY17, Gu15, MOHvdG17]. Randomize [BSHL14, WBS+17]. Randomize-Then-Optimize [BSHL14, WBS+17]. Randomized [AdSK19, BW18, Bja19, BT19, BS18b, CRT11, CWD13, DGI7b, GLR+16, GCG+19, GNZC17, HN19, HNR17, LL03b, LXhH16, Mar16, MV16, RDB16, SX17, SP19, WBTG18, WSS17, XHDl+17]. Randomly [EMT09, LZ04]. Range [BFJ+15, BKK18]. Range-Separated [BKK18]. Rank [AAB+15b, ABL17, ABL19, AP01, BK16, BKS16a, Bja19, BKS16b, Bor07, CA16, CD19, CGMR05, DM13b, DKXS18, DS17, DBA19, EL18, Ein19, EL19, ES19, FWA+11, FM16, GTK+17, GU17, GNL14, GN19, GOS12a, dMGF17, GCD18, GE96, HM19b, HGZ17, KJSU14, KMR19, LE17, LS13b, LJ17, Mar16, MV16, MMR19, PW15, Pen00, PRM97, PCD17, QQOPQ99, ROI5a, RO18, RAT18, Sco17, ZS00, SB15, TYUC19, VDI0, Wan97, WLL†15, vNLB04, KSV16, SSC+15]. Rank-Deficient [PRM97, QQOPQ99, Sco17, Wan97]. Rank-One [AP1, WLL†15]. Rank-Reduction [LE17].

RN14, SZ06, SO10, YHS07, vWBV09].
Rank-Revealing [GE96, MV16].
Rank-Structured [Mar16]. Ranking [CPP+17, CKLP11, DMM+08]. Rankings [FLM+05]. Ranks [MC09]. Rapid [AD96, FDFW07, KLZ+06, SLC01]. Rare [GL15, LLZ15]. Rarefied [Ste11, TPW09].
Ratchet [BBM+08]. Rate [AdVC00, NN12]. Rate-Based [AdVC00]. Rates [BF13, Kol99, Ros05a]. Ratio [Bar12b, FNL+19, Le 01]. Rational [AH18, AN17, AT15, BG17a, BM01b, BHK14, DLZ10, FNTB18, FS08, GSS12, GVMM14, H018, KTB14, KSK16, LF13, LFJS14, LS19, NY10, QNNZ19, SH14, TBKF14, WYCG10, DG95].
Rectangular [AIV98, APC04, BACF08, BF06, CKV99, DO15, HK00, Sar98, TX17, UA04, VN03]. Rectilinear [Zen16]. Recurrences [BF01, FN94, RG98]. Recurrent [Wan97]. Recursions [GD03, LCJ96]. Recursive [AKA13a, HG12, IBWG15, JP16, LY16, NSJ03, Rub12, ST97, TPW09, ZTRK14, NP96]. Recursive-Based [NSJ03].
Redistancing/Level [NM10]. Redistributed [Ad06]. Redistribution [KY05, MRSS14, ROM18]. Reduced [AB17, AF11, AK04, BKGV16, BK16, BEEM18, BGL06b, CDBH16, CHMR10, CST+13, DDMQ18, Ded10, DHO12, EPR10, EF15, GV12, GV98, GM11, H18b, HSZ12, KP10, LQR12, LM14b, LM14c, MR04, MS13, MMT15, NRM10, OKdSG17, OS14, OS15].
PGW17, PS10b, PSS17, QGVW17, Rav02, RMC12, San10, SDNL10, SBK18, SPKB13, SHP07, VP14, WM05, WSH14, XBC96, XMR118, YYS16, Yan10, Yan18, Zim14]. Reduced-Order [AF11, BGL06b, GM11, LM14b, LM14c, Rav02, SBK18, SPKB13, SHP07, WM05, Zim14]. Reduced-Space [YYS16]. Reducing [AGL10, BSH16, BFG+16, CWC08, C¸AK11, DSRMK17, YL93, Lan93, SS93b]. Reduction [AKK18, AH17, AdSGC12, ABdSF15, ATWK19a, ATWK19b, ABST13, AK17, AP97, AN16, AGI16, ABTZ14, BS05a, BPR04, BB08a, BBNB11, BB15b, Ber98a, BFN17, BK17, BK11, BS18b, BTWG08, CTEE15, CCJ07, CS10a, CBG16, CC19, CGHT14, DKPS17, DLZ10, DSZ13, EKLS+18, EOE15, EO16a, FMOS17, FSVdV98b, GSO17, GOS12a, GPA18, GT19, GSW13, HK099, HSS08, HS01b, IT14, IA14, KA95, KT15, Lan19, LU17, LS13a, LE17, LWG10, LHR+18, LYL17, MMRS19, MRS16, MS18b, MZ19, NG18, OS04, PW15, PM16, PN19, Reu99, SgG10a, Sma04, SBMR18, TLN14, WWH17, ZFSN17, Z04, ZFB15, ZCC+16, ZSO4, dSGK+15, CMV97, MS93a]. Reduction-Based [MMRS19]. Reductions [ML11]. Reference [LLZ09]. Efficientlib [BB17]. Refined [ACK19, GH07, HG00, JN10, Lec14, RKLN07, Sha99, Wan01, An96]. Refinement [ABKS16, AHK+17, AMM+11, ABHO3, BB17, BBSW94, BMVI11, BWG11, CH17, CH18, CDK19, Cha18, CC06, CC09, CC12b, DLY17, Dax03, DGS16, EPV94, FR10, FCE10, FH13, GT98, GR05b, HM08, HO15, JTT08, JP97, LC05a, L195, Man95, Ong94, PP05, SBK18, SR18, SL09a, SSO8, TB99a, Tra95, WC00, WP19, WCHZ14, WI12a, ZJC12, ZAD+16, Zie12, TV93]. Reflection [JLY08, Mat95, PDC99]. Reflector [PTvR+14]. Reformulation [BHST08, Du16, You94]. Refractive [TBKF14]. Regime [BS18a, FCZE14, HH11, HFL11, JW13]. Regimes [BJM03, Lee10a]. Region [CC12b, GTK+17, KHRvBW13, KHRvBW14, NNH99, Pia98, QGVW17, RS02, SKJ+13, YMW07, YSK19, ZS18, dSK11, Sar97]. Region-Dependent [SKJ+13]. Regions [AL99a, And09, AHT17, AIV98, DP98, GM98, LCN14, NAS13, WR08, ZSB16]. Registration [BMR13, HM05, HHM07, HHM08, HW03, HDB08, KRD18, MR17, MB17, MGDB19]. Regression [ABE+17, BGM09, GLSTV16, HNR17, Hei13, KR18, NMFP16, SX16b, Str93, TTY16, YMM14, You94, LL98b]. Regular [FO19, JLY08, NL99, Zha18a, Gu93]. Regularity [BH07]. Regularization [AL97, AL99b, BC02, BDR18, BM13, CDBH16, CR04, CT03, CLNZ16, CEC01, CK05, CP15b, CG19, CKJ10, FGO97, FM09, GG19b, GA18, HR96, Han95, HW01, HA08, Hwa07, IJT11, IL16, JG02, KHE07, KO17, LFB13, LM17, LL08, LLZW19, Man99, NNT13, O’L01, PRM97, Reg96, RVA17, RS02, Sce17, SWU16, SJ14, TY08, DG95, FCR93, H093]. Regularization-Sensitive [Hwa07]. Regularized [APS14, BCC+15, BM13, CL10, CJY16, CM00b, Cor01, DBA19, ES18b, GCS19, HJJ18, KO99, KL00b, Lan10, NP14, Sch19, Str00a, TWK18, Tim19, WMUZ13, XKW08, ZCC+16, dSK11]. Regularizing [DS05]. Regulator [MPS18]. Reinforcement [GHK14]. Reinitalization [GB98]. Reissner [CG07]. Rejection [HGM14]. Related [BGN08, BVC9+10, DG98, FK00b, FT03, HHSW11, KK09, Son12]. Relation [Gas13, Le 05]. Relations [GPS12]. Relative [DP09]. Relatively [BDvdG05]. Relativistic [DW97b, NH14, WT16, MG95]. Relaxation [AK09, ADM10, BCT05, BM08,
BR09, BLR14, BCK+18, CPH14, CNP12, CCM08, CCR12, EHN12, FMB13, GS98a, GR05a, GJS19, GR17, HPS06, HV96, In99, IMS96, JV96, JP95, KY19a, KO19, LW97, Mar09, MB19, Mu99, RL17, RWA95, SB98, SV00, TZ95, Ver96, WH13, WX17, ZLWZ18, ZKV99, Dax93, Lei93, Pem93].


Residuals [LRS02, vdVY00]. Resilience [HGRW16]. Resilient [AGSZ16, SRM*+15]. Resistive [AMMR10, AMM*+10, ABM*+13, ABC*+16, CST*+13, PSC*+16]. Resistivity [DSZ13, PDTVM08, vdDA12]. Resolution [AMVR17, ANP00, BAFF00, CCSS03, DHE13, DMD*+12, FHL13, FM07, Gob08, HBL05, Kup98, Ld12, LNP*+07, LS95, LFB13, LOL13, LT00, MT19b, MR02, PL06, Ros06b, TW05, BSMM16]. Resolution-Optimal [AMVR17]. Resolving [TT96a, TGS08]. RESPA [MIS03]. RESPA/Impulse [MIS03].

Response [BTGH12, CVK13, RS13, SSDN12]. Response-Excitation [CVK13]. Responses [Cah94, Lin06]. Resputtering [GST*+99]. Restart [AGSZ16, KLY07, LXV*+16, TE07, WXS19]. Restarred [ARMNW10, BCR03, BR05a, CGL*+12, DCP11, EPE05, FG98, JN10, SSW98, VL10]. Restarting [BGH13, GGPV10, Mec01, Mor02, MN11, RF07, SSW98]. Restoration [CCSS08, CGM99, CMM00, CJK10, EK10, FNNB05, FN06, GY05, GRMS09, GLN09, HS06d, HLZ13, LTC13, NWY10, NP14, WNC08, ZW*+13]. Restoring [BBSW16, NO98]. Restricted [CS99, CL11, HJN17, LS05a, PC07, SCGT07]. Restriction [CCV14, MRS18]. Result [Van00]. Results [ABBM98b, CLMM00a, CLMM00b, CKS01, FGMP13, FMM98, HR99b, KR12a, KLRU17, KP07, LMPQ03, LZ02, SM18, TEE*+17, VW98, MT97a, NCV06, FGMP14a].

[BORTP19, DW05a, DGSW10, EG18, KOV15, LW19a, LW04, RH09, ST14b]. SAI [MG09]. SAI [FL18], Sample [BGMW17, Kaw15, Kaw17, KL94]. Sampler [FL18]. SAI [FP14], Samples [RNV19]. Sampling [AK15, AHDK14, ABCP08, AWA+18, BSHL14, BBC+16, Bou01, BV16, BCV13, CS14, CILZ15, CIZ18, CGM00b, CHM02, CML+18b, DGS08, DHN17, EBSS+11, GLR+16, GCC+19, GNYZ18, HJJZ18, JNZ17, KL94, Kaw17, Kaw18, LLZ08, LLZ09, MFSY19, Mar16, MT00, Mit08, MDG+18, OKD16, OVV17, PF12, PJII11, QDKW18, Sch19, SJD14, Kor93].

Scale-Bridging [PKR+13]. Scale-Free [KV13]. Scales [BCP15, GMD04]. Scale [ACdS+11, AMH12, BDF+14a, BCK16, KL15, ROM18, SJD14, SJD14, Kor93].

Scale-Free [KV13]. Scaled [BCP15, GMO14]. Scales [BMP16, RDP08]. Scaled [ACdS+11, AMH12, BDF+14a, BCK16, KL15, ROM18, SJD14, SJD14, Kor93].

Satisfying [ADM+15, Bre17, FK19, LLLX16, LY14, ZLS12]. Saturated [FK97, SCC17, SCM10, Sta00]. Saturated-Unsaturated [FK97]. Saturated [FK97, SCC17, SCM10, Sta00].

Saturated-Unsaturated [FK97]. Savart [PRM09, Ros06a]. Saxton [XS08]. SCUBA [Gas13]. Scheduling [AKK18, DGR+17, MDM15].

Scale-Free [KV13]. Scaled [BCP15, GMO14]. Scales [BMP16, RDP08]. Scaled [ACdS+11, AMH12, BDF+14a, BCK16, KL15, ROM18, SJD14, SJD14, Kor93].

Satisfying [ADM+15, Bre17, FK19, LLLX16, LY14, ZLS12]. Saturated [FK97, SCC17, SCM10, Sta00].

Saturated-Unsaturated [FK97]. Savart [PRM09, Ros06a]. Saxton [XS08]. SCUBA [Gas13]. Scheduling [AKK18, DGR+17, MDM15].
BHT11, BC99, BL03c, BL05, BCV13, BKB18, CCFG11, CZK15b, CZZK16, CPPR12, CERO18, CHKM13, CCN08, CGK13, CGV18, CLAT10, CYZ17, Chr09, CLTX15, CHL16a, CHL16b, DMNB10, DEP11, DBSR17, EF05, FG11, FO19, FM11, FSvdV98a, FMB13, FK19, FEM08, GB12, GCB15, GZYW18, GSW17, GKR216, HKYY16, HOY03, HS05b, HSWW08, HP006, Hes98, IL05, JIA14, JT98, JP00, JSZ13, JIA14, JW13, JZ16b, KPS19b, KS14, KW10b, KN01, KPP07, KP09b, Ld12, LS12a, LO19, LE10, LV13, LL98a, LDS11, LV10, LM15b, LM12, LPR00, LNSZ06, LI01, LN03, LT00, LW03, LSZ11, LPS13, LY14.

Schemes

[LP03, Lu95, MNS07, MB13, MMS05, MR01, NN03, Nor07, OL98, PPR05, PKD13, Pet05, PPRS19, PP12b, PP12c, Pup03, QS03, RU01, Roe98, SL11, SRS19, SWK18, ST14a, SY14, SYY09, SY18, Ste00, Sur00, TB99a, TW05, TSX17, Toy05, TJK16, VN03, VS03, WL01, WBA09, Wi010, YHS07, YY18, Zen16, ZS03, ZLS12, ZW03, ZFZ14, ZLYW16, ZQ17, ZQ18, ZLJ96, BH97, Hes97, LK93, SS93b].

Schmidt [CCJ07, GL03, Ste08]. Scholes [W11]. Schrödinger

[ADKM03, ABK11, BJM03, BCM11, B15, CCG14a, CCJ07, CMZ19, CRV14, DLY16, FJ99, GRG00, KL13b, LZ17b, LWZ17, LZZ18, Liv08, Luo19, MCL19, ZZSpH14].

Schur

[BS05e, BG05a, BG05b, Bla03, CG01, DS95a, DKXS18, FCR03, HV18, HSF07, Kra12, KLL16, LS05a, MG11, Mal07, MRT00, MMA98, MFPG18, OV06, PE00, PSLG14, SS99, WB99]. Schur-Type

[PE00]. SchurRAS [LS05a]. Schwarz

[And08, ADM10, BT03b, Ban08b, BG08D08, BC10, Bre08, Cai94, CGK98, CS99, CL11, CPW15, CC12a, DK11, DGGG09, DGK16, DGL12, EDGL12, GMN02, GR05a, GK12, GX16a, G16, GV19, GJS19, Gar96, GK12, Gar05, GH99, GC97, HJN17, HR07, HKR16, HKKR19, HK19, KC16, KO19, Li94, LSC18, LNS15, Lu08, Lu01, Mar09, MPS09, PZPR07, PS08, PS11a, PBC05, PC07, QX08, ST00, SGC07, ST96, TDTF03, W99, WH13, WX17, Zha94, dRR19].

Schwinger [ABIG16, LY18, ZNZ16]. Sci [BEM04]. Science [JKR08, WRB15].

Sciences [SBMR18]. Scientific

[ATW19a, ATW19b, BCB16, CCB18, HBB16, KP12b, SS03, TYU19]. Score

[Ng94]. SDE [ABE17, BM17a, GS14].

SDEs [BGS17, K17, VI15]. SDP [BT08, LT09]. SDP-Based [LT09].

Seamless [GC17a]. Search [CKX18, GKL08, GT19, HKT01, LST07, OW02, Wan13, XB16]. Searches [CO06].

Searching [CD15a]. Second

[AVZ13, AdWR17, BB16, BS05a, BGN07, BB15a, Bre17, BKL07, Cas05, CK15, C17, CM09, DM13a, DZ15, De14, GO9, DAE02, DHP17, DMK14b, EL01, GV19, GW15, GBC10, Gia18, GO5, GZW18, GZW18, GLT09, GNPT18, GDLP18, HW13, HL09, HH11, KM11, KP09a, KO05, KCB17, KP05, Kup98, KP17, KL11, LP11, LZZ18, LN03, MW17, NL16, OB05, RL10, RM08a, ST03, TVA02, VSB19, VI14, YY18, ZL15, ZYS15, ABCR03, Atk94, She94, She95]. second- [She94, She95]. second-kind

[ABC193]. Second-Order

[BS05a, BB15a, BL107, CM09, DM13a, DO9, DAE02, DMK14b, EIL01, GW15, GBC10, Gia18, GZW18, GNPT18, GDLP18, KM11, KP09a, KO05, Kup98, KP17, KL11, LZZ18, LN03, MO15, RM10, ST03, VSB19, ZLY15, ZYS15, ABCR03, Atk94, She94, She95].

Section

[Ben13, Ben15, Ben17, DJM16, GH07, KY14, TBC11, Yav19].

Securities [IT14]. Sediment [BS09]. Sedimentation

[BRBT12]. Sedimentation-Consolidation [BRBT12]. Seeking [Sta07, SM07].

Segmental [ABKS16]. Segmentation

[CMSS06, DNM08, HMD18, LB07, LB08, ZC19]. Segments [H16].
Segregated [GNOR14, HSF07].
Segregation [Boz09], Seidel [AM95, Day98, HNR17, Ver94]. Seismic [AKM+14a, BU15, BTGMS13, MWBG12, PDC99, vLH14]. Selected [LYL+11, dVL10]. Selection [AdVC00, CZ13, DG16, JMNS16, Lin16, MS07a, SX16b, We99, YYY18, dVPS+17].
Semantic [ZS99]. Semi [ALJ99, ACF09, BT06, BCT05, BSMM16, BP13a, BF14, CF07, CMSS06, GC16a, GRL10, GX16b, HMR09, KS13, Kor15, LL02, Lay03, MB17, MO10, PS19, PPRS19, RG09, RLM+00, ZTBK18, dFL05, HO96a].
Semi-Conservative [PPRS19]. Semi-Discrete [BT06]. Semi-Implicit [ALJ99, ACF09, CMSS06, GRL10, GX16b, HMR09, LL02, MO10, RG09, ZTBK18, BCT05, GC16a, KS13]. Semi-Lagrangian [BSMM16, BP13a, BF14, CF07, Kor15, LL02, Lay03, MB17, PS19, RLM+00, dFL05].
semi-Toeplitz [HO96a]. Semianalytic [MS07e, Zha18a]. Semiblind [BRD18]. Semicircle [BMAK19]. Semicirculant [HO94, HO96b, HBS00]. Semiclassical [BJM03, BG07, FGL09]. Semicoomarsening [BFJ00, Den97a, Sch98, WO98].
Semicoreductor [ANP00, BG07, GJ08, JW13, Kla98a, Kla99, MT96, RWA95, Sar98]. Semicoreductors [BJ08, CC05, DJ00, HJP03].
Semicomvergence [EHN12], Semicomfinite [Gri94, HGZ17, KOSB16, LWWyY18, ST14a]. Semicomcrete [BP13b, KP12b, KL00a, KNP01, KPP07, LMM18, TKW18].
Semicomlinear [AW15, BBH18, BWS10, BHW99, CJ05a, GLSTV16, KK18, LZ01, ST00, WGT14, Xu94]. Semicomorthogonal [Ste02]. Semicomarable [GGC+19, WLX+13]. Semicomooth [BU15, LWWyY18]. SemicomHI [dMGF17].
Sense [BW96], Sensing [ADLW19, DFG15, KV09, YZ11, YLH15]. Sensitive [Hwa07]. Senticities [AL07, GK13, MBN10, MM14]. Sensitivity [Bar05, BBR04, BV00, BBC07, CLP03, CDF18a, CKLP11, GH15b, GV07b, GM00a, HTMM15, KS811, PVC17, TB02, WTW09, ZPE12]. Sensor [GS12, KKK17].
Sensor-Location [GS12]. Sensors [GG19b, SMZ18]. Separable [BGM09, BF95, CN10, RT99, dBMZ11, DLG97]. Separated [BKK18]. Separately [AMMR15]. Separation [HCHS13, LJ17, SX11]. Separators [KPCA12, MTTV98]. Sequence [HH13, KK01, KA95]. Sequences [BRZ14, HHL00, JK08, MC94, NSH13, PaSM+06, PV08, TT07, Pe93]. Sequential [AL97, AL99b, BDHS10, CGD11, DHGL12, DTV13, HS99a, LLL08, OK13, WRB+15, Yen19, vdHCDD15]. Sequentially [dMGF17]. Serial [LSW02]. Serially [CDY07b]. Series [AM18, BS98, Bar00, Bar05, F008, HT14a, HCHS13, Hor10, IK10, RO12, WM05]. Set [BP13a, BH11, COS06, CGS02, CD+13, Cho09, FM07, GKL08, HSW08, KP11, KS13, KKK18, LST07, LYLCC17, MO00, MO10, NKM10, PVC17, PSDF12, PST15, QL06, RS00, SF99, TKS08, VOG16, Wen10, YYS16, ZJI14, ZCI06]. Set-Valued [PVC17]. Sets [CHX15, CWD13, FD03, HMS11, L1Z13b, MDC08, NX13, PD15, PVK16, ZHA18a].
Setting [OW02]. Several [EKM94, LW03, vD03, HHR93]. Shadowing [CV94, HJ07, Van95, Van00]. Shah [DMN08]. Shakhov [CLQ12]. Shaking [GL15]. Shallow [AK09, ABB+04, BBSV10, BM08, BP12, BL05, BT16, CLP08, FS01, FM11].
GdLP$^+$18, HK02, KP09b, Lay03, Le 05, LRP07, LP08, LDS11, Mar09, MSS12, PS19, RLC08, RLM$^+$00, TC12, YCC10).

Shallow-Water
[BP12, CLP08, Le 05, LRP07, LP08, LDS11, RLC08, RLM$^+$00, TC12]. Sham
[DLY17, LY13, YMW07]. Shannon
[GOG16]. Shape
[ACLZ15, BWB19, BCH12, CC12a, CDM$^+$13, CGMV05, DD12, DMIN08, DFJS19, GLL$^+$15, GHHK15, GMV99, HT13b, HS06b, Haz08a, Haz08b, HL19, ISW18, MBGV16, PWF18, SSW18, Sch18, SW17, SSJB17, vdZvBdB10b]. Shape-Linearization
[vdZvBdB10b]. Shapes
[DCSO10]. Shared
[Gon15, Til15, NP93a]. shared-memory
[NP93a]. Shared/Distributed
[Gon15]. Shared/Distributed-Memory
[Gon15]. Sharp
[BFSN08, GCS19, GvdV17, XLG$^+$16, ZD09]. Sharpening
[Rei18]. Sharper
[Van00]. Shaw
[ZLY$^+$18]. Shear
[GT98, TW96]. Sheet
[BN98a, BSA13, ISG15, Nit99, PMSG14, TPT$^+$16]. Sheets
[ALMR17]. Shell
[LCH99, Nie16]. Sherman
[BCCM03]. Shield
[ST03]. Shift
[CG17, LPS10, ZTK19]. Shift-and-Invert
[ZTK19]. Shift-Invert
[LPS10]. Shifted
[BKL$^+$17, BvG15, BDdSM11, BBD18, CG17, FG98, RSM18, SBK13, Sool16, WWJ12, YBHY15, vGVEV07]. Shifted-Inverse
[YBHY15]. Shifting
[Wat94]. Shifts
[DKZ09, DLZ10]. Shock
[CC98, DW97a, DGLW16, FL97, GGK$^+$04a, Hwa07, Men94, WL97, WDQ$^+$18, Wu99]. Shock-Induced
[CC98]. Shooting
[CGR14, HM10a, Lam97, Rau93]. Short
[CW16b]. Shortening
[BM11, MRN19]. Shot
[CC12a, Gub96, Haz08b, Haz08a]. Shot-Noise
[Gub96]. Should
[Che16]. Shrinkage
[BL08b, MF06, WYGZ10, YYWY18]. Shrinking
[ZDZ16, ZLY$^+$18]. Shuffling
[Gre03]. SIAC
[vSRV11]. SIAM
[EBM94]. Side
[BCCI98, CB98, SO10]. Sided
[BB15b, LMT18, WMHK19]. Sides
[ARMNW10, ALM19, BT03b, CGL$^+$13, HR05, KMR01, LN04, MN11, SG05, Soo16, CW97]. Sideways
[EKR00]. Sierpinski
[BBSV10]. Sigmoidal
[Yun03, YK03]. Sign
[BSS09, GM17, Gar97, ROO08b, SQO02]. Sign-Definite
[GM17]. Signal
[BS95, EK10, LKBJ18, NN05, XZ95]. Signaling
[SAR10]. Signals
[BBR08, GG09, HT$^+$16, SWU16]. Signatures
[DG17a]. Signed
[FMS17, ST14b]. Significant
[Nik13]. Signorini
[CBK18, DEP11, Rad16]. Silicon
[BI09]. SIMD
[BPT93, CP95, KHW$^+$14, MH95]. Similarity
[Pel18]. Simple
[Abg09, BMTZ13, Bre96, Du11, GOR14, GLQ18, HT14b, HVK18, HS94, KY96, LHN96, Mac98, PN13, Ren15, SAA9, SvG08]. Simplex
[Che05, HDZ16, WI12a, WI12b]. Simplicies
[Kir14]. Simplicial
[Mau95, Osb07]. Simplification
[RKL18]. Simplified
[BH12, BRZ14, EIL$^+$09, HZ10, LD05]. Simply
[DP98, NN18]. Simulate
[DR13]. Simulating
[AL99b, HP19, MBGV16, MDC98, MM07, SAE10, WGF08]. Simulation
[Ama98, AL07, BB13, BST08, BLV17, BG07, BI09, BLGL11, BBM$^+$08, BEOR17, CCM05, CLQ12, CM09, CC98, CLP08, CBCR14, CLK18, ICCVEK17, CBF17, CVE13, DMR17, DN97, Dor98, DP16, ESA08, EFHL09, EKSS16, EdDP09, FFMT96, FL04, GM17, GHTW00, GY06, GL15, HA01, HS16, HBB$^+$16, HK03, HPS08, Hofo4, HSSZ09, JP14, KBK$^+$08, KKK02b, KP06a, KLT06, Kof04, KKT19, Köso7, LL19, LL03b, LY98, LL15, LNA$^+$11, MT16, NK13, NHH99, ODN17, Ökt05, PDTVM08, PP13, QS14, RWA95, SB13, SCS04, SD11, TKW08, TK13, Ten98, TAY$^+$19, TYUC19, VBA18, Wall18, WZ18, WLK06, WPT17, WFAP15, WX05,
Simulations [BBSV10, BHvST14, BPS13a, BPSV15, BRK16, CL03, CW06, CG10, DDGS16, Don06, EHL06, FHH+18, FTY15, FNL+19, FY14, GHK14, GST+99, Gob08, GM14b, GC16b, GZT+19, Har08, HKC+04, HJP04, IP06, KP14, LJL09, LP04, LHR+18, LZ04, NK15, NKTY08, NH14, OKF14, PS10a, Ros97, RHSK11, SM17, SXK17, SNB08, Str99, SW+18, TTM08, WSA16, WPGR13, XCS16, XLC+16, YGCP96].

Simulator [BPS13a].

Simultaneously [AA14, AdSK19, ADLW19, BCH12, BS96b, HS06b, LD03, YS07].

Sine [AMHR15, BDZ13, Di97, ZGA10].

Sine-Gordon [ZGA10].

Singularities [AMVR17, CKS01, CW07, XEG06, ZMK+17].

singularity [Li94].

singularly [KH18, LS13, MM13, OW98, ST00, WO98, XYZ12].

Sinks [WLE+00].

SIRT [EHN12].

SISC [Lan12].

SISO [DSZ13].

Slab [AHT12].

Smith [Pen00].

Smoluchowski [FL04, MNBK10].

Smolyak [CM13].

Smoothing [BGMR01, CKXZ18, FJP99, HJS18, HA08, JK11, LNS96, MFJ19, NG98, TGC94, WWH17, Yav96, ZW94, Ena97, Gu93].

Smoothness [MKRK13, SCDM+10, vSRV11].

Smoothness-Increasing [MKRK13, vSRV11].

Snapshots [Wel17].

Sobolev [BM91, DK10, GRPG01, NR98, RN95, Ste00].

Solver [BN98, DJM16, EM96, HML+04, KMRW97, LKvBW10, PK19, ZAD+16].

Software-Based [DK10].

Solid [AS07, BK00b, BCG+10, KCZ15, LHL12, PRS12, PM15].

Solidifying [KVMK01].

Solids [CG96, SBHS19, Tra95].

Solitons [LC05b].

Solution [ABLS05, ADGM98, AP97, AL99a, ANP00, ABI00, BS08, BCR11, Bau08a, BJNN02, BK98, BCC198, BK99, BL03a, BD04].
BLB00, BGK15, BSS09, BSSW13, Ber98a, Ber98b, BMSV97, BK00b, BBC07, BYSS00, Bre99, BC99, BC08, BC09b, BWZ10, BBR08, BSK98, BTOG12, CG18, CKS01, CGL13, CR04, CLPS03, CH17, CH18, CP05, DD00, DL19, DKKP14, DB94, DAE02, DKO12, DS17, DKZ99, DSZ13, DHZZ18, DTYY18, EAS11, ES19, EM99, EHW00, FL97, GS16, GG19a, GLL14, GLMN15, GHST98, GHN01, Gre93, GV98, GS00, GV09, GS97, HRT10, HG98, HW15, HT13b, HP94, HRS19, HHL07, HLM03, IM99, ISG15, JZ00, KW07, KBK08, KKF11, KO99, KMR01, LVWW03, Lan94, LL98a, LLP98, LW19a, LS13a, LV10, LM14a, LS17, LB15, LO03, LLL08, LSN17, LB15, LO03, LLL08, MM13, MR09.

Solution [MSW05, MPRW98, MPW18, MT99, MHS98, NFFP18, OD12, PS13, PP05, QOQOP99, Rah09, SMZ18, SSW18, SBS09, SE11, Sp02, Sta00, TDM99, TCG99, TWW95, VM09, WS95, WW09, XK08, YG15, YHC16, Vam18, VBP98, YP98, Zhe07, ZHDZ17, ZS02, vWB09, AB193, AS93, AO93, BZ96, BR95, BH97, BHP04, CDH97, LV94, MCJN94, PCDB96, SBCG93, Tre97].

Solution-Based [Ber98b].

Solutions [APZ13, AEFM17, ADKM03, AFF15, AA13, AHDK14, AGHO0, BGK15, Bet08, BK04, BV00, BS96b, BBT11, BJW18a, CZK15b, CZZK16, CE10, CPF18a, CX10, CK94, DTM05, DP03, Du11, Ema10, ELtHR00, FS01, FB15, FL02, Gar09, GKG10a, G99, HX51, JP08, KK02b, Kus00, LD03, LR98, MS07d, MRK13, MRL17, PL03, RO15b, SBP04, SE13, SB05, SK05, SMO10, VXCB16, WXK04, WHL18, Wa04, XYZ12, XX1h17, ZGA10, Zha06, vSRV11, vDF08, vDF10, TR93].

Solvability [CG95].

Solvation [CCF14, CFM98, EVLW17, FT03, GH13, Gar94, HP14, Hog13, PRS12, QZZ14, Sas98, VS17].

Solved [MG11].

Solvent [WASA16, XJS13].

Solve [AAAH19, AHK17, AG18, AAI98, AI98, AMT10, BDJ05, BL04a, BACF08, BL07a, BBF16, BPSV15, BG05a, BG05b, BCS11, BBD18, BIA99, BIA05, CB98, CGG14, CPD17, DMS01, DW97b, DP10, EG01, Fie98, GHRR19, GH18, GLR16, GM14a, GHST98, GS02a, Gur04, Hel11, Hen06, HD15, HG12, HG00, Hwa07, JMNS16, KCZ15, KZ00, KM18, KV12b, KL12, Kor15, KR12b, LAG14, LW16, LN919b, LL08, LB12, MR17, MB17, MGDB19, MM14, MK08, MS14, OR02, OW98, PWS05, RST80, RT99, RL17, 00, SBK13, ST17a, SO18, TET10, Tor12, VB07, WRS17, XJB12, XMNN10, YC14, dJc19, BCLC97, EOD03, PTvR14].

Solvers [AC04, AHZ17, AKS05, ALM19, AGL13, BMF19, BCK16, BHMX18, BD99b, BH07, BMV13, CR16, CCER12, CM15, CDPC13, CRV13, DS00, DMMO04, DFN12, EG99, EPS09, EG18, FGMP13, FGMP14a, FGMP14b, FFMT96, GMSB16, GGOY02, GRT05, GRS15, GB06, GKA98, GT19, GS07, Hig95, H96b, HGRW16, JSV10, KA15, KW00, KW18, LM00, LL00, LD16, LX1H16, LT14, LCJ96, LGH13, MO08, MS07c, MKSG10, MMR19, MS06b, Mos01, NS19, NW16, Pel18, PRR05, PPB13, FF94, PR96, PCD17, RDW10, RV10, ST16a, S10, SLCO1, UE12, WZ15, ZG17, BEM93, C94, CN93, J68, SHE94, SHE95, vd97].

Solving [AFF15, ACW12, AF15, ACD95, AH04, ADF19, BS07, BBSV10, BW18, BK06, BFN17, BT97, BGH10a, BH08, BH11, BT13, BW96, BMMT14, BP06, CV13, CH09a, CK17, C111, CZ10, CS96, CN99, CLST03, CS12, CGM0b, CHMO2, DYO6, DLY14, DN13, DH01, DJLZ96, DS16, DTYY18, DK03, EBR00, Elmo98, Elmo00, EP05, Ett16, FF05, FMP06, FPP+11, FK13, Gar77, GGG03, HHE10, HZ10, HP19, Ho99, HW95, HC98, HY10, HW09, HZ17, IM97, JX13, KL13a, Koa99, KW10b, LV98, LL17, LCH09, LSH17, LS19, LZ13a, MK00, Men11, MR18, MM00, Mm00, Mu99, NY10,
Solving [Zha97, ZJC12, ZW03, ZQ17, CW97, LZ94, MT97a, PSB+06]. Some [AA13, BF01, BM10, BDM10, BHS16, BT00b, Cho01, Chr09, Gar00, Huc93, Jin99, LZ16, Man95, MS04, Mic01, Moo00, OL98, PABG11, RST93, Sun93, XQ94, DG95]. Sonic [BD99b]. SOR [BD05, DB98, GK11b, RWA95, XA99, Xie05, Yav96]. Sound [CC98]. Source [AGH00, CGK13, Gia18, GHR12, GHR13, GMS18, HR99a, HCHS13, JW05, SKN19, SX11, WK+07, ZTM+16]. Source-Term [ZTM+16]. Sources [AdSK19, AKM+13, GKRNS19, KBV09, WLE+00]. Space [ALLK15, And16, BO17, BK99, BBH18, BC09a, Ber95b, BV16, BRZ14, BDE08, BTWG08, Bur97, BHK12, BH16, CPW15, CDG17, CSB+18, CMS94, CC19, CHO12, CCM96, CCG14b, DDMQ18, Day98, Dk00, DJT08, DT00, DMS10, DW15b, DMD+12, DB07, DGvdZ18, EKSW15, FDM13, GS98a, GN16, GJ28, GOV06, GRPK19, GMPZ06, GZ19, HP14, HKR16, HHW00, HLNS19, HV95, HHLW15, ISS19, KV12b, KS14, Kye12, LHC18, LSY19, Moo00, MCV17, NHSS13, NXDS11, NT18, PNW16, PvdVvG17, PBC05, RF10, SV08a, Str94, TY08, TW05, VBA18, WMC12, WB12, WGT14, YL11, YHS16, YHC16, Yan14, Yu01, ZK14a, ZZ04, ZSPH14, ZLTA15, AE95, WMCI11]. Space-Filling [BH16, GMPZ06]. Space-Fractional [ALLK15, DMSC18, DW15b, GRPK19, PNW16, WNB16, ZK14a]. Space-Invariant [BDE08]. Space-Time [BO17, BBH18, BW16, CGD17, GN16, HLNS19, LSC18, NT18, PvdVvG17]. Space-Transformation [HC98]. Spaces [ACK19, BKM19, DW17, HKKR19, HHK19, KKR16, KCI6, LMM17, MS13, MT19a, MNvST13, PF12, PV08, QZZ14, SW17, SP16, W12b, YZ05, ZT17]. SPAI [JZ13]. Spalart [DHE13]. Spanning [PP97]. Spark [CHJ16]. Sparse [AKA13a, AGSS19, AGL10, AKA13b, AA14, ADL+12, ALM19, AP+04, ABB+16, BK07, BW18, BSH16, BB08a, BGM13, BM95a, BMT96, BT98, BT00a, BT03c, BNP15, BBFJ16, BCFJ19, BAS09, Bit99, BC13, BESS19, Bör09, BVW09, BS99b, BT99, BGMR01, BC1M03, BG12, But13, CS99, CH17, CCA03, tVÇAU10, CCG16, CS08, Cho00, CLN12, CV98, CKL98, CFM98, DS00, DLP05, FUNB18, FS11, FJHM19, GN14, GLS13, GSR19, GG05, GS98b, GHS+15, GKN18, GOV06, GLD07, GBDD10, GCD18, GH97, Gug16, GC16b, HN19, HKK+13, HHL15, HJ18a, HC05, HK00, HP94, HRS10, HWS05, HV07, JNZ17, JFG15, JZ13, JP08, KU18, KAU18, KMSM14, KHW+14, KM12, LSW02, LOSZ07, Lee13a, LSC03, LJ17, LYL+11, MW01, MW13, MDM15, NK15, N14, OA93, PZZB15, Pen00, PK19, PCD17]. Sparse-Approximate-Inverse [MG09]. Sparse-Dense [ST17b, ST19]. Sparse-Grid [BVW09]. Sparse-Sparse [CS98]. Sparsification [APSG14, BFG+16, GS18, PCD17]. Sparsified [TY15]. Sparsify [LY18]. Sparsity [ALM19, BL08b, Cho00]. Spartan [Hri03, Hri05]. Spatial [AD06, Boz09, CMM+07, CLAT10, DTT+16]. Spatial-Filling [ALLK15]. Spatial-Fractional [DV16, GMZ06]. Spatial-Term [ZTM+16]. Sources [AGH00, CGK13, Gia18, GHR12, GMS18, HR99a, HCHS13, JW05, SKN19, SX11, WK+07, ZTM+16]. Space-Filling [BH16, GMPZ06]. Space-Fractional [ALLK15, DMSC18, DW15b, GRPK19, PNW16, WNB16, ZK14a]. Space-Invariant [BDE08]. Space-Time [BO17, BBH18, BW16, CGD17, GN16, HLNS19, LSC18, NT18, PvdVvG17]. Space-Transformation [HC98]. Spaces [ACK19, BKM19, DW17, HKKR19, HHK19, KKR16, KCI6, LMM17, MS13, MT19a, MNvST13, PF12, PV08, QZZ14, SW17, SP16, W12b, YZ05, ZT17]. SPAI [JZ13]. Spalart [DHE13]. Spanning [PP97]. Spark [CHJ16]. Sparse [AKA13a, AGSS19, AGL10, AKA13b, AA14, ADL+12, ALM19, AP+04, ABB+16, BK07, BW18, BSH16, BB08a, BGM13, BM95a, BMT96, BT98, BT00a, BT03c, BNP15, BBFJ16, BCFJ19, BAS09, Bit99, BC13, BESS19, Bör09, BVW09, BS99b, BT99, BGMR01, BC1M03, BG12, But13, CS99, CH17, CCA03, tVÇAU10, CCG16, CS08, Cho00, CLN12, CV98, CKL98, CFM98, DS00, DLP05, FUNB18, FS11, FJHM19, GN14, GLS13, GSR19, GG05, GS98b, GHS+15, GKN18, GOV06, GLD07, GBDD10, GCD18, GH97, Gug16, GC16b, HN19, HKK+13, HHL15, HJ18a, HC05, HK00, HP94, HRS10, HWS05, HV07, JNZ17, JFG15, JZ13, JP08, KU18, KAU18, KMSM14, KHW+14, KM12, LSW02, LOSZ07, Lee13a, LSC03, LJ17, LYL+11, MW01, MW13, MDM15, NK15, N14, OA93, PZZB15, Pen00, PK19, PCD17]. Sparse-Approximate-Inverse [MG09]. Sparse-Dense [ST17b, ST19]. Sparse-Grid [BVW09]. Sparse-Sparse [CS98]. Sparsification [APSG14, BFG+16, GS18, PCD17]. Sparsified [TY15]. Sparsify [LY18]. Sparsity [ALM19, BL08b, Cho00]. Spartan [Hri03, Hri05]. Spatial [AD06, Boz09, CMM+07, CLAT10, DTT+16].
HDF$^+$19, JV96, KKP14, MTM08, Min02, PV08, WP98, Zim13. Spatially [AK04, BLMR02, CCA03, FUNB18, HTH$^+$16, KS19, NO98, NHH99, OV97, SM19, SM17]. Spatial [Yan18]. Spatio-Parameter [Yan18]. Spatiotemporal [BF16, LC05b]. SPD [GRT05, SIS96]. SPDEs [ZRK15, ZK15, BAS09]. Special [Bal00, Ben13, Ben15, Ben17, Bre17, CVV06, DJM16, Eln98, Elm00, GL18, GW04a, GLR07, JKR08, KY14, Tum10, TBC$^+$11, Vas07, Wan01, Yan19]. Specification [UG19]. SPECT [IJ08]. Spectra [ADF$^+$19, LW97, M¨on08, VR14, XS16, BW93]. Spectral [AG18, ACLZ15, BDD$^+$97, BT97, BS05c, BCM11, CGGS15, CZK15b, CFSZ08, CS18a, CLST03, CDB13, CJK10, CJK15, DJT08, DMD$^+$12, EO15, EO16a, EL18, FKQS17, GLQ16, GLQ18, GKR16, HL09, HH17, KQW04, LL00, LSN17, RX17, Rim18, RS16, Shao03, WL97, YHS07, Yun03, MT16]. Splittings [IP95, MPRW08]. SPMR [EG18]. Spray [BCM15a]. Spread [BNP15, JBL18]. Spreading [Kos96]. Spring [CJ09, LP03]. Spring-Mass [LP03]. SQP [PBC05]. Square [AKA13a, FCZE14, GGM01, LZ17b, MT97b, RW06]. Squared [CCG14a, Gro02]. Squares [AMMR10, AMM$^+$10, AMM$^+$11, ABM$^+$13, AV14, ALMR17, AD15, AMT10, BLH02, BGM13, BT03c, BS99b, BW96, BMMT14, CLMM00a, CLMM00b, CPV95, Car10, CAS11, CC19, CP17, DMM004, DMM005, DG98, EHS$^+$07, FM998, FGHO97, FS11, FNBO06, GW17, GI17, GKK15, GNYZ18, HLM16, HLM$^+$09, HK17, HY10, HY14, HJL18, JR19, KMS15, LSH17, LMR00, LB13, Lee14, LM15, LMM17, LRS02, LD11, MW17, NP14, PE00, PBtTB$^+$15, QQOP09, RDB16, ST16b, ST17b, Sco17, ST19, SX16b, Sta00, Str93, TZ14, TBO10, Wat98, WPT17, XS16, You94, ZCC$^+$16, ZWZ$^+$13, ZN14, dMHJM00, ten95, BR95, Dax93, NP96].
Squaring [AMH12, SIDR15]. Squeezing [HPZ19]. Stability [AD07, AW11, AP93, ACFO9, BYK05, BM01a, BM10b, COZ96, CRS+18, CH08a, CKLP11, CFM96, CS10c, DSB99, DP07, DHE13, DR13, Dur16, ES18a, FCF14, Gug16, HP94, Hig95, HV04, IM97, Ket08, KP07, LPR98, LZZ18, MR02, NH12, OB08, QNNZ19, RP01, Ros15, RX18, Sch05, SGS97, SNB08, Str93, WL08, WTG12, ZSB16]. Stability-Corrected [DR13]. Stability-Preserving [Ket08]. Stabilization [ABD+17, BBSW15, BCLT15, BK00b, LNP15, LR12, ZHS10]. Stabilized [AVZ13, BH14a, BM11, BBGS04, BCLT15, BBKT15, BL07b, BRBT12, Bur13, Bur14, BCM15b, CSM14, EHS+07, Gar97, KSG99, NG18, Sch19, SO09, TKCC13, ZSG16]. Stabilizing [CD06, HIH18, VW98]. Stable [Abg09, AN16, AP93, ASBP+14, BN98a, BS05d, BHT11, BDK12, BS06b, LNP15, LR12, ZHS10]. Stagered [AT17, GHTW00, ZG18, MV09, PCF16, TBP17, ZP18]. Standard [CPW15, FKTW10, Lan19]. Star [GMP07]. Starting [YC99]. State [AB19, BD04, Bla03, BK00b, CDG+09, Day98, D00, Elm09, FQ17, FL02, Gär09, GMSB16, HS06b, Haz08b, HLLM15, HYC16, JSPC97, KHL14, KLW02, KK16, KTB19, LWG10, LXX08, MT19a, MV06, NMF16, Pet05, PS12, QS14, RCC18, Str00b, TP18, VBA18, VS17, WGI2]. State-Of-the-Art [GMSB16]. State-Space [VBA18]. States [BL08a, DP17, ZD16]. Static [ADGP07, DKL+19, GDL07, HH11, JKLZ18, SP16, VP14, ALZ14]. Stationary [CCF14, DN97, F19, FGM08, Gro02, KOB16, LL18, PEC+14, RW13, RL13, Sar98, SK05, SSF16]. Static [CPT05]. Statistical [BEG+08, BF13, BFIt07, CPP+17, GGK+04a, KL94, KLR98, KHKL16, LX08, Lec13a, LW10, MWBG12, TW96]. Steady [Abg09, AB19, BLH02, BW11, BGS05, BK00b, CC12a, CDG+09, D00, Elm99, FL02, Gär09, HLLM15, HYC16, Hun96, JSPC97, KLW02, LJL98, Pet05, PS12, Str00b, TLN14, Wu99, LK93, MMRP93]. Steady-State [AB19, CDG+09, D00, Elm99, Gär09, HLLM15, KLW02, PS12, Str00b]. Stefan [BH11, CBK18]. Steiner [EU09]. Steklo [Nat95, Nat97]. Stellarator [FAS18]. Stencil [BDS+18, GTK+17, KP09a, LRG+13, MHL+15]. Stencil-Aware [LGH+13]. Stenotic [BY00]. Step [AP14, Bar99, BCF13, BFK05, BBC07, CFR05, Cas05, CKL13, CS96, CLST03, C101, GvdV17, GV09, GM11, HS05a, HLW00, HJMS07, HLZ13, J40, KW15, LHL12, LNP15, SB13, AMN15, CSS93a]. Stepping [AM17, CS10b, DG09, EJL03, GGS18, GMM15, GM15b, GM19, KTO5, KGGS10, KR11, LS10, MN18, OD17, QZ11, SKW18, SNB08, LK93]. Steplsize [BBL99, BB02, KL10]. Stepsizes [HS97]. Steppedwise [AdVC00]. Stewartson [KR11]. Stiefel [BL09]. Stiff [AC08, AVZ13, B101, BQR18, DWQ19, E1J03, GK03, HG98, H1R99a, KTO5, KW15, K16, K12b, LG97, LT14, MN18, ÒB05, RSW10, JS13, Pem93, Ver94]. Stiffness [G19M+19]. Stirred [BK04]. Stochastic [AE08, AC08, ACZ12, AVZ13, AB16a, BCT07, BBP13, BS16b, BPT19, BV16, BRW10, BB02, BLL07, BDW11, BJW18a,
Stochastic \[\text{TLE12, TCCK18, Ull10, UEE12, UG19, \text{Vil14, WXK04, WGT14, WRB15, WI12a, WI12b, WFAP15, XK02, YG15, YSX17, ZRTK12, ZFwCW15, ZBK18, ZCP06, ZFZ14, Zygi11, vdDA12}.\]

Stockwell \[\text{HGPM14}.\]

Stokes-Type \[\text{SWT00, Sma01, SSF16, SU15, SS95, TLL14, TLLK09, TP09, TC99, VY99, WW90, WWY11, YSZ14, dVL10}.\]

Stokeslets \[\text{Cor01}.\]

Stopping \[\text{AGL13, BHvST14, BR05b, CPP+17, EV13, FS08, GCG+19, JSV10, Mar01}.\]

Storage \[\text{CF07, CC18, Ket08, KMSM14, LW14, Ry03, RLG98, War13, WM11}.\]

Strassen \[\text{HvdG18}.\]

Strategies \[\text{AGSZ16, BW01, Cha18, CML+18a, CML+18b, GS97, HSCTP04, MS07b, MOKS12, May05, MM95, MMV98, RWW14, SvG10a, Wabo5, WZ03, vdVY00, Wat94}.\]

Strategy \[\text{CGDD11, DMD+12, HR99c, HGPM14, MS07a, OST11, Pir16, QZT11, TP18, VVM12, dDBV14, vHCD15}.\]

Stratified \[\text{GLSTV16, LLS19}.\]

Stream \[\text{AHH12, GV16, Kup01, PM95}.\]

Stream-Tube \[\text{AHH12}.\]

Streaming \[\text{Kos07, SCM10, TYUC19}.\]

Streamline \[\text{AKM14b, LR12}.\]

Strengthened \[\text{LLZ09}.\]

Stress \[\text{Del14, GP99, Min02}.\]

Strains \[\text{Nie16}.\]

Stretching \[\text{DR13, ST19}.\]

Strictly \[\text{KY19a}.\]

String \[\text{WS07}.\]

Strip \[\text{QSV06}.\]

Strips \[\text{Coa12}.\]

Strong \[\text{BCK16, CS10c, GE96, KM11, Ket08, Sch18, WGT14}.\]

Strong-Stability-Preserving \[\text{CS10c}.\]

Strongly \[\text{MSM14, WYT18, vdD03}.\]

Structural \[\text{BTB05, BT00b, CTB15, RMB00, SP02, Smi97, EL93}.\]

Structurally \[\text{HK00}.\]

Structure \[\text{AH17, AFS19, ACFO9, BQQ08, BC10, BB15a, BM17b, BK16, BKFG19, CHV+18, CTB15, CBG16, CDFQ11, DLZZ17, DLY14, DJP00, EKLS+18, FUNB18, HMLH18, HLM03, Hwa07, Jay98, KV05, KPPS14, KSV16, LQR12, LWyXy18, LNC05, LYL+11, LXX08, MKWG15, MW01, MZ08, NV08, PE00, Pe118, PV11, PSC18, RW13, Rub12, SM17, WMUZ13, ZZWZ14, ZVF18, vBD05}.\]

Structure-Preserving \[\text{CBG16, EKLS+18, HMLH18, HLM03, MW01, BM17b}.\]

Structured
[BKS16b, BD05, CDY07b, CJ99, CX08, EZ12, FNB06, GLR+16, GN14, G03, HG12, HJL+19, KKT13, KKS13, KKF11, KS11, Kim08, LE10, LYL+11, LxdH16, Mar16, MMR19, PS11b, RKLN07, ROM18, Ros15, SR18, SWX16, VM13, VXCB16, Xia13, XXdH+17, ZJC12, ZW13, Zie12].

Structures
[Beu05, BKFG19, GGM01, GMPZ06, IS17, RAB+14, RC06, Saa03, SSW12, SM18, TW96, WLX+13, YPN+01, ZTK19].

Studies
[BBP13, BBKK97, DMM+16, RLG98, YTD15, ZD09].

Study
[APS12, AHT12, ACD95, BJM03, BK04, BCR99, CHR99, CGAD95, CHKM13, CFKM18, DARG13, DLV17, EP06, FMOS17, GK00, GLT18, GMSB16, GRT05, GK05, KB08, KKK17, Ku98, LZ94, OL98, Pic10, PABG11, Ros05b, St01, WH15, YYWY18].

Studying
[EW00].

Sturm
[AF15, Bou01, LV10, ZAK15].

Style
[FSvdV98b, ZK14c].

Subcube
[CG93].

Subdeterminants
[IMS96].

Subdiffusion
[CLAT10, ZLTT13, ZLTT15].

Subdivision
[CWD13, HOY03, KKT19].

Subdivision-Based
[KKT19].

Subdomains
[CS12].

Subgridscale
[Mal96].

Subiteration
[vBdB05].

Subject
[GLL+15, LX12, LQX14, AE95].

Sublinear
[VL10].

Submatrix
[YPHIH17].

Subproblem
[ZS18].

Subproblems
[HD15].

Subset
[CBCR14, VBA18].

Subsonic
[BS18a].

Subspace
[BMO1a, BCL19, CKD13, CSGY98, CPS11, CS14, CDW14a, CDW14b, DLY17, DLZ10, EE001, GYO2, GOS2a, Gu15, HL18, KdS05, KUS14, LMRS15, Lin16, LWZ13, LR98, NG18, OW00, PS02, SSM16, SW01, SS03, Soo16, Sta97, VP11, Wd09, WYD10, ZYSL15, vNLB04, vdVY00, We94].

Subspaces
[BDFO08, CKBT16, DDF00, DKZ09, GW17, GT19, KA95, PdSM+06, XKZ95].

Substantial
[CD15b].

Substructuring
[BL04b, Doh03, HS99b, HZ16, KXS18, KR12a, St07, YGB+05, Sm13].

Subsurface
[FK97, St00].

Subtraction
[EVW17, WKM+07].

Subvector
[HS17].

Successive
[GB98, Mit08, WZ03, YJ13].

Suite
[SR97].

Sum
[AC098, ACC000, OR050, dMHJ100].

Sum-of-Squares
[dMHJ100].

Summation
[AWW19, And99, BC02, BZ15, CWA14, DZ15, DH03, HZ11, HDZ16, McL12, Niel06, NN18, NL16, ODN17, PS03, RO008a, RO008b, Ru09, ZY05, ZH09, Hig93].

Summation-By-Parts
[BZ15, HZ11, NL16, AWW19, DZ15, HDZ16, NN18, ODN17].

Summations
[MXYB16].

Sums
[BGM09, HAM17, KW11, PPT11, dBMZ11].

Super
[Gos12b, Jay98].

Super-characteristic
[Gos12b].

Superalgebraic
[BH07].

Superblock
[CWC08].

Supercharging
[AMT10].

Supercompact
[BW00].

Supercomputer
[Kor93].

Superconductors
[DG99].

Superconvergence
[DK98, HX11, WCH14, Yarn02, ZN05, Z16].

Superconvergent
[BFK05, EM99, HZ11, LD03, PJe06, VCO00].

Superfast
[VXCB16].

SuperGlue
[Til15].

Superior
[Yan19].

Superlinear
[CDH98, GS19].

supernodal
[NP93a].

Supernodes
[JFG15].

Superoptimal
[DEC05].

Superparallel
[MK93].

Superposition
[Gar00].

Supersensitivity
[GK00].

supersonic
[L94].

Supply
[CPR11, FGH+08].

Support
[COS06, EZ11, XAW17].

Supported
[Pla15].

Surface
[AKS05, AHH06, ADM+15, BN98a, BTG12, CL18b, CH09a, CFM96, DFS17, DG10, GPK04, GKG04b, HA08, KCS15, Kös07, LTC13, LL97, Li03, LCL18, LLZW19, LH19, MG11, MCT+05, MT99, QR18, RS13, SV08b, SO09, TK13, WkZ15].

Surfaces
[BB09, BBK06, Bru18, CW13, CW14, CM15,
CW16c, CL18c, CDW14a, CDW14b, DPF15, DP07, DGY03, Far01, FJP+11, Gra14, KTB14, KBK+08, LZ17a, LSW17, MR09, NRRW09, OX17, PHA18, Ren15, Say15, SKF18, YH17, YH19, Zha18b, Atk94, RN95, Surrogate [CBG+19, CGDD11, LX14, RS13, vdHCDD15]. Surrogates [LM14a, YGCP96]. SVD [BP97b, Hoc01, HJ19, NH13, Nov15, OT09, VW94, WS15, WRS17]. SVD-Based [VW94]. Sweep [LY18]. Sweeping [ALZ14, BMR10, GLQ16, LY16, Luo19, PELY13, ZCL+11]. Swelling [WFAP15]. Swimmers [GHK14]. Switched [GPA18]. Switching [HFL11, KL00b]. SwitchNet [KY19b]. Sylvester [BDP96, ST16a]. Symmetric [ARMNW10, ADKM03, AH04, AT15, BF01, BOR97, BMG13, BM12, BDvdG05, BS96b, BORTP19, ÇAK11, CCS98, CMS17, CPS11, DLP05, DMPV08, DJLZ96, ERSZ17, FEM08, FS08, GPP95, GWMG03, Gas13, GY02, HS06a, Hug02, HLD12, HJS99, JFG10, JLY08, KS18, KSU14, LZ99b, LS13b, LSS03, MV00, MM19, MRV06, MB99, May08, McL95, MDM15, NH13, Nat98, Ng00, Oct99, PS18, SLvdGK14, SK05, SO18, TD99, VK13, VSS14, WT16, WX19, XYG001, ZLC98, FS96, Lan93, LL93, LZ94, MS93b, Tre97, WM93, YL93]. Symmetries [MS18b, ALT93]. Symmetrized [HJN17]. Symmetry [BV19, CCS98, MMT15, SLvdGK14, SA97, EL93, WAS94]. Symmetry-Preserving [BV19]. SYMMLQ [Dul98]. Syllectic [BCF01, Ben01, BCR09, KLS+15, Man05, McL07, MMVW13, PM16, SSS97, CSS93a, CSS93b, LMSSS97]. Symplecticity [LXL11]. Symplecticity-Preserving [LXL11]. Synchronization [AD07]. System [AK09, AMMR10, AMM+10, AMM+11, ABM+13, AV14, ALMR17, ABP18, BCCI98, BS05d, BDZ13, BS18a, BLM03, CCM05, CLMM00a, CLMM00b, CLPS03, CLP08, CLS16, CF05, CG11, DY06, DLV17, EGKS94, FV06, FMM98, GH18, Gär09, Hig95, Kim08, KLJ10, KG14, LMMR00, LMM17, LRG017, MCL19, MKSG10, MR01, MPS09, PS08, Rar02, Rav05, RGG06, Sch05, SBND11, SV11, TKCC13, WS95, XBC96, YCY19, ZGA10, ZGG17, BK14, McC95]. Systematic [HTH+16, SvdGP16, WX05]. Systems [AH18, AM04, AKK14, AH17, AG16, AH09, AKPRB08, AKT16, AR99, AL99b, ATK12, AK04, BGLY05, BS05a, BW18, BKL+17, BK98, BK99, BPR04, BvG15, BB08a, BM01a, BdSM11, BBM11, BGM13, BCF01, BSSW13, BM95a, BT98, Ber00a, BPR99, BFN17, BL07b, BCP15, BB03, BR09, BPR13, BBD18, BPT19, BS06b, Boz09, Bre99, BC99, BHP98, BCM03, BC08, BC09b, BK11, BTWG08, BGL06b, BEP98, BORTP19, CS99, CL18b, CGL+13, CSS10, CB98, CGG07, CJH11, CH17, CH18, Cas05, CPP12, CDF18a, CS96, CCS98, CN99, CBG16, Che98, CPS11, CDY07b, CBG+19, CBWD15, CW12, CVE13, CE16, CPD17, CD06, DM13a, DLY14, DB98, DH01, DRFP07, DB94, DKSX18, DS14, DGSW10, DTT+16, Elm98, Elm00, Ema10, Ett16, FHFR19, FSvdV98a, FT03, FDE+06, FG98, GJLX16, GDL14]. Systems [GGOO02, GNL14, GTR05, GRS+15, GR04, GW98, GG03, GSW17, GG05, GPA18, GKK10, GV98, Grn94, GPS95, GPSY17, GSW13, GW00, HR05, HN19, HS06a, Hag00, HTMM15, Har11, HJ07, HSS08, Her08, HS17, HZ10, HP94, HHH00, HPZ19, HG12, HLS98, HEGH14, HZ16, HL17, HSCP04, JFG10, JZ13, JW05, JWH08, Jou94, KGM+08, Kas95, KP12a, Kea97, KLR98, KBK+08, KPL13, KSB11, KMR01, Ko04, KSV16, KNV+16, KK16, KPW17, Lab05].
LM00, LV98, LV13, LW19a, LNP+07, LSU11, Lee09, LM15, LS16b, LPR02, LN05, LPR98, LW16, LSN17, LN03, LXdH16, LMMW04, LNA+11, MFJ19, MM19, MB02, MRT00, MPW18, MSM14, Meu11, MW13, MC05, Moo00, MS18b, MGW00, NN17, Nat98, NP08, NSJ03, NFP18, NM13, OD12, PdSM+06, PW15, PM16, PVK16.

**Systems**
[PVC17, PW98, Pet99a, PH16, PS01, PN19, Rah96, RG07, RWA17, RSW10, RM08a, RT99, SZ99, SS99, SBK13, ST08, ST17a, ST14b, SHP07, SE11, SG95, Sma04, Smi97, SG04, SvG08, Soo16, SC98, Sta94, SO10, Sun95, TCZC19, TTSM08, TT07, Ton94, Tor12, TS14, VC00, VM13, VK13, VSS14, VTD12, WLX+13, WTBW09, WSH14, Xs17, Xu04, Yan94, YDF97, YP98, YWL17, Zha97, dDBV14, dSL05, ACG93, CN93, CT94, CGS+94, CC96, CW07, CMV97, Fre93, Gre93, Yav93].

**systolic** [BPT93].

**Tables** [CWG10, GBS19].

**Tackling** [KSD10].

**Tailed** [CHL16a].

**Takser** [DS96].

**Tangentially** [BM11].

**Target** [DKK+19, HWS05].

**Target-Matrix** [Dkk+19].

**TAS** [CFKM18].

**Task** [ABC+14, GKM+17, MDM15, Tii15, YS16].

**Task-Based** [ABC+14, Tii15, GKM+17].

**Task-Scheduling** [MDM15].

**Taxonomy** [BBGS04].

**Taylor** [AM18, Bar05, Hei13, Kup98, SdIr15].

**Tearing** [LOSZ07].

**Technique** [ABKS16, Bk07, BpW98, Cl03, Cfi99, Ds97, Gg10a, Hhls15, Hhmdc18, Lns96, Nnh99, Og016, OvV17, Rsa05, Sp03, Wi0H08, Wzsl12, Wz19, Ym03, Psb+06].

**Techniques**
[ATWK19a, ATWK19b, ApvDG12, Adh99, Ab16b, BwW09, Cdgs05, Cp05, Cpo7, Cbs00, Cdgt01, Ds00, Ef15, Fbf15, Gs98b, Gg10, Hw01, Hm14, Jfg13, Ktb14, Km01, Km98, Lsn10, Lu17, Lkk18, Mmv98, Mfpg18, Pkkns14, Pabg11, Pla98, Ss99, Sbr06, Sw03, Sf08, Toi96, Wb08a, Yhc16, Zw94, Ads09, Cns97, Di95].

**Teke** [Cst16].

**Temperature**
[Don06, Smz18, Ycy19].

**Tempered** [Glw18, Gzt+19, Ht+14, Zak15, Zk15].

**Templates** [Htr12].

**Tension** [Bn98a, Ll97, Mct+05, So09].

**Tensor** [Bs03, Bs07, Bg14, Bkk18, Bt05, Bas09, Bkm16, Bks16b, Bs99b, Cqz17, De12a, Dm13b, Dko12, Ff05, Fm08, Fjm19, Gnl14, Gs12a, Dmgf17, Gkk15, Hj18a, Hrs12, Hvmdg18, Jmr17, Kkt13, Kks13, Kk09, KkF11, Kr15, Ksu14, Ksv16, Ls00, Mmr15, Msl13, Mat18, Mbm+16, Ot11, Ose11, Pk19, Ro15a, Rdb16, Ste16, Dh16, Vmv15, Vs17, Vdd19, Wsx17, Zck12].

**Tensor-Structured**
[Gnl14, Ktt13, Kks13, KkF11, Kr15].

**Tensor-Train** [Bkm16, Ose11, Vs17].

**Tessellation** [Km98, Gt98, Hs97, Kla98b, Kla98c, Rg98, Wan07a, Ztm+16].

**Termination** [Fl08, Kmt98].

**Terms** [Cgk13, Hrr99a, Jw95, Nak98, Wm06, Ew96].

**Tessellation** [Bgl06b].

**Tessellation-Based** [Bgl06b].

**Tessellations** [Dgj03, Dw05b].

**Testing** [Cpt05, Han95, Jl03, Jl05a, Lin06, Lw03].

**Tests** [Lsw02].

**Tether** [Tp09].

**Tetrahedra** [Ber00b, Dk98, Pc98].

**Tetrahedral** [Amp00, Ber98b, Bn16, Cc11, Fkw13, Hvmdg18, Gvmdv19, Gr05b, Ht00, Jhj12, Jl95].

**Tetrahedralization** [Wal13].

**Tetrahedron** [Ong94].

**Textbook** [Bsa13].

**Texture** [Beg+08].

**th** [Pp12d, Pp12c].
Their [CH02, DW05b, GK03, CPS12, LS94, LL00, MC94, PP13, Sch18, ST00, CC96, DG95, DG99, GM00b, SHP07, WTS94].

Themes [DJM16, KY14]. Theorems [ET01, LV98]. Theoretic [BGMW17]. Theoretical [CGAD95, DMM19, Wan07a, Ber97]. Theories [HSF07]. Theory [AG18, BGL08, BEG08, BM10a, BH07, CXY10, CFM96, CDW14a, CDW14b, DKPS17, FGM14b, FC14, HJ17, HDZ16, KKP14, KY19a, LW12b, LY13, NKLW94, Rub12, RCLO18, SS03, UWW+15, VO19, WL13, dSL05, CW93, ED95]. Theory-Based [KKP14]. Therapy [CDM13]. Thermoacoustic [CK07]. Thermodynamic [BHV05]. Thermodynamics [YS16]. Thermostats [LS16b]. Thick [Lee10a, LXV+16, SSW08, WXS19, ZVF18]. Thick-Restart [LVX+16, WXS19]. Thin [AA00, BKFG19, JLZ16a, KWW13, LS94, Lee10a, LS12b, SM18]. Thin-Walled [BKFG19]. Third [ABMR11, AS06, Ca07, KL00a, LY14, SC02]. Third-Order [KL00a]. Thomas [Ain07].

Thousands [BT03b]. Three [AILP07, A02, AU12, ASS16, BBSW94, BBKT15, Beu05, B07, BMR03, BKS13, BCM15b, CH18, C95, CGM00b, DK03, EZ11, EdlDP09, FK06b, G08, GKC13, GGL+98, GGLT00, GB06b, GV98, GM96, HHSMS15, HM98, HT17, HRT03, HKKR19, HRT13, HC98, HSW08, Hun95, H96, HGPM14, Joe95, KL10, KR06, KKR16, KS15a, LCA08, Leu15, LEN16, L16, MV09, MLL13, MZ94, MMN00, Moo00, NKLW94, NMAB11, On97, PV08, PWZ10, Pek12, Pet99b, PP13, PM15, RR98, RG98, RWWK15, RDP08, Sch02, SWB16, Sha12, SWT00, Tsy99, Tu07, Ush01, W098, Wen10, W001, WZ15, XW05, YCY19, ZW03, Cai93, ED95, HZXC16, Smi93, SS93b].

Three-Dimensional [AILP07, Aru12, ASS16, BBSW94, C95, CGM00b, EdDP09, G08, GKC13, GGL+98, GB06b, GV98, HHMS15, HM98, HRT03, HRT13, HC98, HSW08, Hun95, H96, Joe95, KL10, KR06, KS15a, LCA08, Len16, L16, MV09, MZ94, MMN00, NKLW94, NMAB11, Pet99b, PP13, PM15, RDP08, Sch02, SWB16, Tsy99, Ush01, W098, XW05, HZXC16, ED95].

KL00b, LMM18, LDS11, Li10, LD16, LWZ17, LSC18, LLL08, LM14c, LH00, LX16b, LH19, Luo19, LX16c, MCL19, MGB18, MO00, ML11, MZ94, MN18, MSV00, MNZ15, NT18, NS19, Nor07, NL16, ODN17, PW16, PR01, PS10a, PKR+13, Pat97, PGW17, PL12, PvdVvG17, PP12b, PP12c, PMSB12, QTZ11, QSL03, RMR15, RPK18, Rav05, RL10, RZ03, RMC12, RW01, RMD08, RSSZ08, RXW07, SYZO15, SKWK18, SE11, SNB08, SB15, SW10b, TW05, Tic18, TPW09, TH17, XCS16, YTL11, YBM+18, ZK14a, ZL11, ZLT13, ZK14c, ZL15, ZCW10, Zim14, vDVX19, BC09a, CHO12, CFM96, CCG14b, EKSW15, FMB13, GS98a, GOV06, HP14, HV95, Kye12, LKH0, Leh15, SW10a, WGT14, Yan14, Yang1, ZL15a, MTT15.

Time- [ZK14a]. Time-Accuracy-Size [CFKM18]. Time-Accurate [LD16, Zim14]. Time-Changed [ZK14c]. Time-Decoupled [KS14]. Time-Dependent [ATK12, BFS16, CB98, CCG14a, CIZ18, GLOR16, GC17b, HJ18b, ISS19, LH00, Luo19, MCL19, ML11, PNV16, RPK18, RZ03, RSSZ08, RXW07, SE11, XCS16, ZCW10, Nor07].

Time-Domain [CHL06, DSZ13, HLY13, JZ00, PGW17, RW01, YBM+18]. Time-Fractional [GR17, LMM18, LWZ17, LX16c, ZL11, ZL15]. Time-Harmonic [AA02, BB10, BHNPR0, CWZ20, EDG12, HY14, LH19, PL12, RL10, LX16b].


Time/Space [GZ19]. Timely [BT97, Cas97, Den97b, SA97]. times [PKNS14, RF10]. Timestamp [SMN10].

Timestepping [GB06a, HS06b, JL03, JL05a]. Tissue [PPV11]. Tissues [DL16]. Titanium [GY06]. Toda [Nak98]. Toeplitz [BW93, CN93, CT94, CC96, CCS98, Di 95, Di 97, EK10, FS96, HO96a, HSCTP04, Jin95, KKT13, LPS10, LNC05, MV00, MB09, Nag93, Ng00, NSJ03, NP10, NP14, NCV06, PKNS14, PE00, PS01, Tre93, Tre97].

Toeplitz-circulant [CC96]. Toeplitz-plus-band [CN93]. Toeplitz-plus-Diagonal [NP10]. Tolerant [AG17b, AG17a, HLS15]. Tomographic [ADLW19]. Tomography [BU15, CHH19, CILZ15, CK07, HKK+13, HHS15, HAN19, HTH+16, HM18, IJ08, Ki05, KLS08, OKdSG17, RBH06, SBK13, SKMF15, TH17, WB08a, WPL+13, dSK11, vDVX12].


Tooth [RK07]. Topographic [GH14].


Total [CGM99, CMM00, CT03, CC03, CLZ16, DF03, FGH97, FN06, GY05, GY09, HS06d, LF13, LN17, MF06, NY10, VO96, WBFA09, ZWZ+13]. Total-variation [NWY10]. Tournament [GCD18]. Trace [Che16, GSO17, KNV+16, OX17, SMZ18, SLO13]. Tracer [BBG+19].

Traces [ZND18]. Tracking [AFOQ19, BLGL11, CL97, Dk00, GT98, GBCT10, GGL+98, GST+99, GGLT00, GGZ02, GM13, HC95, Hwa07, LS95, NM10, ZF14, Zha18a].

Trade [SE13]. Trade-Off [SE13]. Traffic
[BCV13, GPZ17, HK03, HPS06]. **Train** [BEKM16, DKO12, GKK15, HRS12, Kor15, LWK+16, OT11, Ose11, VS17]. **Train/Quantized** [DKO12]. **Training** [SM19, Zim13, SBC93]. **Trajectories** [Van95]. **Transcription** [PR09]. **Transfer** [ACL09, BK98, BK99, BW01, EAS08, GP18, HRT10, HHH08, JLY08, KZ16, PKR+13, PNP13, RGBH06, RM08a, SKN19, Xu99, YCS16]. **Transferring** [GR04]. **Transform** [AdWR17, AMVR17, ACD+08a, ACD+08b, ASS16, BMaK19, BR02, CI19, FW97, GCR16, GC17a, GHR12, GHR13, HT14b, KV12a, KM12, LZ17a, LCA08, MW08b, OT11, PM03, Rim18, SVG10b, WO09, WG18, Wei99, Yim99, AD96, EB96, NP96, Sch96, CRMC12, EMT09, GMS18, LB11, Rei13, RAT18, ZK14c]. **transform-based** [NP96]. **Transformation** [CP03b, DK11, HC98, KR06, YH19, Yun03, YK03]. **Transformations** [AD07, ACD+08a, ACD+08b, CD06, GGOY02, GL15, ISW18, Joe95, MHS98, Goe97, Joe93]. **Transformed** [TT06, UEE12, WeI17]. **Transforms** [BBBV13, BV98, Di97, FT03, IBM01, LQ19, Nak98, NL99, Pek12, PP13, TW09, BS94, DR93b, Heg95]. **Transient** [BG07, BP13b, FHFR13, MST15, SBM07]. **Transistors** [HJP04, JP14]. **Transition** [CCER12, Gar94, KKS08, ZDZ16]. **Transitions** [BG11, BGH19, CG96]. **Translates** [PPT11]. **Translation** [ARM+19, Gni19, GD03, ED95]. **Translation-Invariant** [ARM+19]. **Transmission** [BLS14, HHL15, JLY08, MRS04, MS12, PvdVvG17, QX08, RL10, WH13, WX17, YBLH16]. **Transonic** [CGK+98, SS10a]. **Transparent** [Cos12, RSSZ08]. **Transport** [AHT12, AH06, ACCP13, BH14a, BGL08, BSS09, BBT19, BP13b, BBG+19, BBM+08, BL03, BJ08, BSU19, CL18b, CMM+07, CLTX15, DMML05, DJP00, DPS18, EKLS+18, ES18b, FHL13, Fro12, GJ08, GC16b, GC17b, HHH17, HKF+13, HRT13, HJP03, HJP04, HJS18, JLP18, JP14, Kan03a, KR14, KGM+08, KGM+11, KMS15, KP12b, KT17, LFH19, Lay06, Lee10a, Lee12, LR12, MMM+94, MCB18, OL98, PMR16, PBtTB+15, RSSM18, Ros06b, RCLO18, SG11, Sch19, TWK18, VY09, WZET13, YS16, MMM+95, MMMY96, PCD96]. **Transport-Reaction** [HKF+13]. **Transportation** [BCC+15, PB+16, SM15]. **Transpose** [CC17, Fre93]. **transpose-free** [Fre93]. **Transposition** [Gup17, Mat18]. **Transverse** [SPS18, ZB12]. **Transversely** [SCC17]. **Trapezoid** [LNP15]. **Trapezoidal** [Akp99, LH19, SO15]. **Travel** [CCH15, TH17]. **Traveling** [LT12]. **Traversal** [WMI11]. **Treating** [SO09]. **Treatments** [CGZ99, DKM14b]. **Tree** [AFS19, BG14, BH17, CWA14, WMSG09]. **Tree-Based** [BH17]. **Tree-Code** [WMSG09]. **Tree-Structure** [AFS19]. **Treecode** [DD12, KW11, MXB15]. **Treecodes** [GSS00]. **Trees** [KV18, Oli01]. **Triangulated** [FL+11, LLZW19]. **Triangulation** [CWL+14, DV98, HGP14, VHR10]. **Triangulations** [EÜ09, Joe95, JGZ06, Joe93]. **Triadiagonal** [DMPV08, DJLZ96, GW03, HKO99, KL11, LZ99b, MW06, Oet99, RT99, AM95, Lan93, LL93, LZ94]. **Triadiagonalization** [BORTP19]. **Trigger** [BBC+16]. **Trigonometric** [AM18, HK17, KP07, Str00a]. **Trilinear**
Trilinos [HKR16]. Trivial [KW15].

Triplets [De 12b, GSR19, JN10, WS15].

Trivariate [CD15a]. Trumbled [QSO5a, VR16]. Troubled-Cell [QSO5a, VR16]. TRPL [WSX19]. True [vdVY00].

Truncated [AM18, CD15b, FGHO97, GJZ18, MBVO13, YBM +18].

Truncation [BKS16a, HSS08, OC03, PN19, VVM12].

Troubled [QS05a, VR16]. Troubled-Cell [QS05a, VR16]. TRPL [WSX19]. True [vdVY00].

Two [LL98a, Le 09, LP08, LG97, Lee13b, LR12, LM15, LD16, LMT18, LB15, Mac98, MAB007, MB17, MMR19, MB13, MMN00, MY18, MEF09, NH12, NS06, NN19, NCY06, PV08, PNP13, QS14, RRR03, RRR05, RT01, RL18, RRR98, RO12, SSW12, Sha12, SY10a, SY14, SM94, SSJB17, SO09, TC99, TT13, VC00, VBT99, VMG09, WS07, WXK04, WDE +99, WL11, WMC12, WB12, WG18, WLLZ18, WHL18, WMHK19, WWM03, WMSG09, WCHZ14, WGF08, WZ19, XBC96, Xu94, YL102, YTL11, YYS16, Yu01, ZF14, ZzSpH14, aKT18, Cai93, CS93a, EOD93, EG93, Eht96, LV94, SRC93, SS93b]. Two-Body [MMN00, SS93b]. Two-Body-Two [BGL06a]. Two-Dimensional [ABC +16, BT06, BBKK97, CHR99, tVCAU10, CC09, CST +13, DD00, DL19, DF99, DHZ18, FCC10, GP06, HR90c, ISW18, JK08, JP01, KL06, KP17, LL98a, Le 09, LP08, LB15, Mac98, MAB007, MMR19, MB13, NS06, PNP13, RRR03, RO12, SM94, TC99, WXK04, WB12, WWM03, WCHZ14, XBC96, YL102, Yu01, ZzSpH14, KT08, Eht96, SRC93].

Two-Electron [KK13]. Two-Fluid [EF05, LM15, MEF09]. Two-Grid [AG17b, CJ05a, FL97, Fer98, MY18, Xu94, Atk94, VBT99]. Two-Layer [AK09, FV06, KP09b]. Two-Level [BC10, Bree0, CD03, CGG07, CGL01, CDS19, CC02, CL97, CC09, CJ05a, CDB13, CST +13, DS00, Dk00, DD00, DJM16, DL19, DKPS17, DF99, DHZ18, EG01, EFO5, EV94, Fai03, FV06, FS01, FL97, Fer98, FCZ14, FK00b, FCC10, FN94, FL08, GJSZ13, GP06, GV16, GGM07, GK98, GPS95, Gro02, GC97, HK16, HHvR03, HS94, HR99c, HLZ13, ISW18, JVG12, JW05, JL16b, JK08, JPO1, KKV13, KKP14, KCZ15, KSM18, KKS13, KLO6, KY14, KS15b, KT08, Kra09, KW15, KP09b, KP17, KM05, LD12, LAG14, LL19]. Two-Point [BM01b, LG97, VC00]. Two-Regime [FCZ14]. Two-Scale [CV15, NN19, SSW12, SSJB17, VGM09, CV12].

Two-Sided [BB15b, LMT18, WMHK19].

Type
[AILP07, CZ10, CMM95, DW97a, DLY14, EL01, GO99, GW00, Gur04, HJN17, HS06d, Hoc01, HXX18, HXB11, HLM16, HJ19, ISS19, JW05, KQW04, Kus97, LD16, Lu95, MK00, MR01, PE00, QS03, RG98, TS11, TLT12, WW11, WRSZ18, Zha97, ZZWZ14, ZNX14, ZQ17, A093, DSC05, GPHHAPR18, MV00, MC05, NvdP00, Tan93, AM17].

Types [GYZ11].

Uintah [BBH+16]. Ultimately [Rum09].


Unbiased [CK17, GK13, RVA17]. Unbounded [BWZ10, CF05, DR13, DHZZ18, Kim05, MS17, TZ14, SY12]. Uncertain [LM14b, MSS12, PVC17, SBND11, SCS04, TLE12, ZTM+16].

Uncertainty [AM04, ASZ07, Bar12a, BPR04, BF16, BZ12, BGMW17, BJW18b, CHL06, CHX15, CAB04, CYVK15, CBG+19, FUNB18, FWA+11, FJHM19, FR19, GW04a, GS14, HXJ15, KH14, KHRvBW13, KHRvBW14, Kon09, LNP+07, LX12, LQX14, LW15, L04, PDE+17, Rah13, SSDN12, SRW+18, TZ14, WB08b].

Uncertainty-Weighted [FR19].

Unconditionally [CYZ17, LO19, LWZ17, YY18]. Unconstrained [Toi96].

Underdetermined [AHDK14, JP08, MSM14, SX11].

UnderSampled [DG17a, CG10].

Underwater [TKW08]. Unfitted [BMV18, ZVF18]. Unidirectional [OL98].

Unification [Tie18]. Unified [GKC13, HK02, KLRU17, KHW+14, LKvBW10, MS18a, WMBT19, WPGR13].

Uniform [CC06, GMSB16, Lu95, Ong94, Red99, Sch10, TV93].

Uniform-Consistency [Lu95]. Uniformity [LSW02]. Uniformization [SBM07, WkZ15].

Uniprocessor [NP93b]. Uniqueness [FLM+05]. Unit [GMSB16]. Units [BBFJ16, BCFJ19, KMSM14, KHW+14, Nov15, WHCX13].

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