
Nelson H. F. Beebe
University of Utah
Department of Mathematics, 110 LCB
155 S 1400 E RM 233
Salt Lake City, UT 84112-0090
USA
Tel: +1 801 581 5254
FAX: +1 801 581 4148
E-mail: beebe@math.utah.edu, beebe@acm.org, beebe@computer.org (Internet)
WWW URL: https://www.math.utah.edu/~beebe/

10 August 2024
Version 2.08

Title word cross-reference

#COVIDisAirborne [DCK+23].


-Body [HJ96, SWW94, INS+20, RTRG+07, DAB+12, FT19]. -D [SSCF19, ARR99, GGS01, PR95, THL88].

1
-matrix [YIYD19]. -ULV [MY24].

0th [RAGW93].


3 [BG00, CM97, JLO05]. 3-D [BG00, CM97]. 3.0 [BRM03]. 3090-200 [DD89]. 3090-200/VF [DD89]. 31G* [PUR94]. 3800 [WOG95].

416 [THL88]. 450 [MAB+13]. 4d [EM23].

5 [HRM89]. 5/SE [KJH96]. 5d [EM23].


80 [DD91]. 860 [HGD91, KR95]. 87545 [Bus87].

90 [DL97].


Application-based [MSHPV18].

Application-level [DEL+12].

Application-tailored [FTB13].

Applications [AGR+03, Ano91b, Ano92g, Ano92e, Ano92f, Ano93a, Ano94a, Ano95b, Ano95a, Ano96a, Ano97b, Ano97c, Ano97a, BGG05, BP01, BDP01, BV11, BM12, BM13, BBT23, BBH+06, BRU05, BJ02, BJK07, Bus87, CBL10, Cot04, Cza03, Dar99, Dee10, DH96, DE03, FGC05, Fr05, GKP97, GMLP08, GG14, HT04a, HW00, HRM89, JMC05, KBA00, Key09, KUE+00, LDGR03, Lee03, LM03, kLCCW07, MKG90, MYCR06, Mar87a, MAB07, ME14, MYC92, Mor89b, NFK98, NPT+06, BMF87, SC04b, SSNM92, SVN90, SBG10, SKC10, TXD+07, TLG98, TAR+08, Wal03, WWA+11, WBFB04, ZOF90, dSSB+08, AAB+21b, Akb24, ASHH16, Ano94e, dRADS+18b, ABD+18, AGHR19, BH17, BGR11, BPR18, BSW+14, BEK+18, BGB+18, BG11, CSS24, CDRV15, CSC4, CRS+19, CBD+17, DAB+12, DMQS12, ECG+13, EZJ+19, GCSK13, HGWN14, IMB+19, JRT16].

applications [KPR17, LRG+16, Lap22, LSES20, LWT+11, MGB12, MBF+19, MCR+17, MDH+18, MCU+13, MBF+21, PH91, PNFC16, RV15, RSCC+24, SDJ17, SKZ+18, SIC+19, SLG95, SMZ+18, TM23, TNL13, THC+11, TNCC21, UZM+14, VMP20, WD+12, WD19, WD24, ZMG+21, Ano98b, Ano99, OMD92, Ano91a, Ano98a, Ano00, Anol1b].

Applications- [Ano91b, Ano92e, Ano92f, Ano93a].

Applications-Information [Ano92g].

Applied [vLRA+03, BE17, IKMS+19, MAAC+24, MPB+22]. Applying [Dem90, LDGR03, LSES20, MBHF15].

Approach [BYCB05, DZ07, FBA+87, KS09b, LFB+06, NTKP06, Sha88, uITH07, Spr06, DCM+17, FTB13, GS18, HLC+19, HGWN14, IGDQO19, KBY+19, MGB12, MP18, MJD16, PNFC16, ZB20].

Approaches [SWHP05, MIGL13, VSW+22].

Approximate [Cho01, HBF+12, MGF20].

Approximation [DGJ09, LSLR+20].

Aqueous [PTT90].

Architectural [Gro03, TXD+07].

Architecture [BAA+06, Hua03, HWP03, Ish91, KBA00, KFM+10, SC04b, BHZ+23, HCCG20, MMDA19, RHK21, VDF+23].

Architectures [BFL99, GD09, HD05, Hdv18, HLW00, HSLK11, MS02, RW03, RS03, SSO8, AKC+19, BS14, AAT+20, GGJM+19, HBF+12, HMM+12, INS+20, JO92, KILL13, LNSMMA15, PB23, STP+13, Udd17, VOL+14, YFS+14].

Area [DFP+96, MCR06, MAJS03, NBB+96, Ade21, Rad18].

Argonne [Don89].

ARION [HLP+03].

Arising [Ma00].

Arithmetic [BBLF89, Gro03, AAB+21a, LH19].

ARMCI [NTKP06].

Army [Aus92].

Array [BBDR95, CYT+02, JO92].

Arrays [HC08, NPT+06, CBD+17, DFT+15, Wal18].

Arrival [Wit92].

art [KNPS21].

Artificial [Ano87d, YIME19].

ASCII [PK04].

Aspects [RW03, ZOF90].

Aspen [SVBP13].

Assessing [ACM88, MWC+05, TDG+19].

Assessment [ZOF90, ABL+22].

assimilation [DBD+23, FR22].

Assist [BB02].

association [GDKWS15].

assuring [IGA24].

astronomy [CLG13, VJF+15].

astrophysical [FT19].

Asynchronous [ALE+20, TNBG07, BBHD14, MC21, NCA21, PH91, RWM17, TNCC21].

Asynchrony [WWA+11, QAL+23].

Atmosphere [DEE+12, HAF+96, MS05, MW12, TD08, AGC+19, EAG+19].

Atmosphere-Ocean [HAF+96].

Atmospheric [ARR99, DFS+05, GGS01, WD05, AWMG19].
[Don02a, Don02b], Block [Arn07, BS88, ZMG+21, DEKV92, GDM+23, MC21, RV15].
Block-Structured [Arn07]. Block-Structured
[ZMG+21, GDM+23, RV15]. Blocked
[BELF07, LSLR+20]. Blocks [H08].
Bloom [LGDB16]. Blue [GNB11, KMH+14, MAB+13, SSU+12, YIN+11], BlueGene
[dSSB+08]. BlueGene/L [dSSB+08].
Board [SPTT08]. BOAST [VPG+18].
Body
[HJ96, Nak99, RTRG+07, SWW94, TMWS91, DAB+12, FT19, INS+20, VIKM+22].
Boltzmann
[SBBS06, CGST19, HBKR21, Mon12, OKTR11, RWM17, WKLW21, YZZW21].
Bond [THDS19]. bond-order [THDS19].
Bone [HOPB92]. Book
[Bus87, Con88, Don87, Mar87a, Mar87b, Mar88a, McR87, Nag89]. Boundary
[uIT07, SG91, Ade21, KSF22].
Boundary-Value [uIT07]. box
[SK20, UK+23]. BPEL [MMW+08].
Breaking [SKE+23]. brick [LPB+16].
Bridging [SS09]. Brink [Spr06]. broad
[Rad18]. broad-area [Rad18]. Broadcast
[BJ92, YSP+05]. Brownian [NS20].
brownout [MPM+20]. BSC [LAV09]. BSP
dAVCM+19]. BSP/CGM [dAVCM+19].
budget [CCR20]. buffer [LBB17]. Build
[CD06]. Builder [DL97]. Building
[CDH+97b, FD04, LJ006, SKZ+18, SW04, Wit92, vLRA+03]. Bulk
[DGP+97, MAJJS+03, Jon12, WD+12].
bundle [WVL+16]. Butterfly [Kum89].
Buzbee [Bus87]. Byte [WGO7].
C [A02, A02], dRADS+18b, BLC17, CMMW23, LJC+10, LNK22, MYG23, Poz97, TDM+17]. C-grid [MYG23]. C90
[ABF+99]. Cache
[BMWD87, BH06, GHM+10, MK24, SC04a, Wad99, ABD+18, ABG+19, CHT+19].
Cache-Coherent [Wad99].
Cache-Efficient [SC04a]. cache-oblivious
[CHT+19]. Cache-optimized [MK24].
cache-partitioned [ABD+18, ABG+19].
caches [CSC19]. Caching [KLCC20].
Cactus [AAF+01]. Caffe [MPB+22].
calcium [CHW+15]. Calculation
[ACG+90, BGK+90, TMWS91, HIT+14].
Calculational [ZOF90]. Calculations
[CDD+90, Gen88, Liu90, TMW+99, YCHH90, ZK93, CLM+16, HTO+14, LD24, QXS+20, SDI+19, TSK+88].
Calibrating
[ABH+18]. Call [DBA+09]. Caltech
[Dim91]. Caltech/JPL [Dim91]. CAM
[TD08, DEE+12, LMT+12]. Campus
[GNTL+97]. Campus-Wide [GNTL+97].
Can [Pan97, VFJ+15]. Canada [Num87].
Cancers [GKB93]. Candidate [MCS+06].
Cane [YWL+14]. capabilities [IMS16].
Capability
[GS09, BBH+13, CYZ+20, DVW+12].
capable [RWM17]. Capacity [BL99].
Carcinogens [HB90]. cardiac [BSW+14].
Cards [Gro03]. Carlo
[BEH+90, CH94, DFT+15, FSS13, LM03, LPB+16, MWAR+87, MB87, MFP+17, SABD13, SSWW91, SSR+14, V5S+13, ZK93].
Carolina [LC90]. Case
[BF01, BDFVP15, CBW95, CDH+97b, GLGB+11, GLH7, HL10, HE01, HLP+03, MT89, PPK+04, SG09a, WGI90, WLB92, WW92, BS+14, CGGC+16, CMS+11, DTL19, GGMJF+20, IGA24, IM+19, MBvdG13, MCR+17, OF17, TKA+17, THC+11, WZH+20, YWL+14]. cases
[CDL+19]. cat [YIME19]. cat-scale
[YIME19]. CBVE [WVL+96]. CCDSC
[DT13]. CCGSC [DT11]. CSM4 [CVJ12].
CEBAF [DZDR+95]. Cell
[EGG05, WET+19, BPBL11]. Cell/B.E.
[BPBL11]. cells [RPB+19]. Cellular
[AKP08, BCZM07, MHS11, GDS17]. Center
[AAB+21c, Ali88, ISD89, Mre87, RS88, MP95, OLOF23, Aus92, ABB+94, BBW90, DGH+93, KT94, LC90, Mai87, Mir90, Nas92, Sci92, TR92]. Centers
SSR^+14, TRS13, TGP19, VRB^+19]. Codes [AS00, BGB^+18, CL95, DL97, IHMM87, MCW^+00, Ren92, SWW94, ESD^+22].

coodesign [VDF^+23], coexistence [CBA^+18]. Coherent [Wad99, PS12]. Collaboration [SG09b]. Collaborative [DFH^+96, HBS08, NBB^+96].

Collaboratory [YFH^+96]. Collapse [Gun00, HTSK90]. Collection [DT06]. Collections [HLP^+03]. Collective [BMR06, FCLG07, KFM^+10, LCZ^+15, TRG05, VFD04, KMH^+14, SCB14].


Commercialization [SG09b]. Common [ZM07]. Communication [BCG^+10, BYCB05, BKS^+07, BBDR95, FIMU19, HC10, INY^+14, JLO05, LR09, LRO10, LRT07, NTKP06, PLS05, QH08, RW03, SWHP05, TRG05, TGT05, BGO20, BBH^+13, CSC19, DGB^+14, IYK16, NOM^+19, OGM^+16, RW03].

Communication-overlap [INY^+14]. Communication/Computation [BBDR95].

Communicating [Ano87e, BMR06, Bus87, VFD04, SCB14]. Communicators [GFD05]. Community [DBA^+09, HBSM03, CJK^+05, DVW^+12, DEE^+12, DJC05, ESW^+12, HVKW05, JLO05, MS05, MW12, TD08, WD05].


complex-entry [CSG17]. complexes [HLK^+23]. Complexity [MRD^+06, BGB^+96, DF08, Spr06, BRGR11]. Component [BAA^+06, DF08, KBA00, KFM^+10, MGB12, PGTS10, PPR03, SVN09].


COMPSSs [CCBL18]. Comput [Ano24]. Computation [BBDR95, CBW95, Chn99, lsd89, GWK08, Her88, HS93, JP93, Nag89, SNM92, Ste09a, Ste09b, Tis97, WSC05, SVBP13, WEPB12, ABB^+94, KT94, TR92].

Computational [Bl87, CD07, Cha88, CDH^+97b, DVW^+12, DFMD94, DJO99, DT99, DGH^+93, Duk91, EGMP93, FBW^+87, Gen88, HBSM03, HOPB92, HL10, JL89, NFK98, Num04, PK04, PBE^+19, RBMF87, SK90, SG07, SBWS99, SW04, TMW^+99, VR00, Wit92, WPPB01, YM91, YK07, Ytt97, AFL^+18, BSW^+14, CGGC^+16, CBA^+18, DCK^+23, DTL19, JKBW18, PDDL22, TBA^+17, VRRL18].
Computations

[BBR10, Ber92, Duk91, MA15, MCG04, SD87, ALE+20, Ano24, BCYS11, BCLP17, DKMT18, HDL+15, MK24]. compute [KL13].

Computer

[BKN09, Bus87, CKE08, Cla91, Don89, GL09, HKK88, HD05, JLS99, KT99, MM90, PS87, TKW87, VC89, WBMV90, AHB+16, BAM+16, BE17, HIT+14, HLS+17, INY+14, KMM16, Kum89, MBHF15, PNFC16, TAM+16].

Computer-Aided

[Ano87f, BOD+91, BBA87, BH99, CDH+93, CDP+94, EDS95, FFNP97, GP93, Gun00, IS96, Jon92, Meu88, CGST19].

Computing

[ATN+00, Ano87a, Ano94a, Ano95b, Ano98b, Ano99, Ano00, Ano01b, Aus92, BV11, BM12, BM13, BGI+99, BQOS21, BAA+06, BBT23, BRT+92, Bus87, CWHF99, DF18, Dar00, Dem90, Don89, DT99, DMT01, DT11, DT17, DCL+08, EdE+93, EDSV06, EW06, EW22, ESD+22, Ewi88, Eyr06, FG+05, FGJ+04, Gaf88, GHM+10, Ger21, GMWG10, GNTLH97, GL97, HME90, Her99, JLL04, JSSE09, Joll91, KDH11, Kep04a, KT99, Kuc04, KKH+09, KS05, LS90, LJC+10, LD07, MPS15, Mah90, MYCRC06, Mar87a, Mat95, ME14, PPK09, PA11, Rao02, RAGW93, Sal01, Sal87, SKB01, Ste01, Ste04, SFP02, SK10, THDC09, Wal03, YBA+03, ABH+18, AFGQO19, AMB+18, ARPY19, BHZ+23, BAI20, BE17, BTRZ+19, BBA+21, BLOR8, BAP+12, CSS24, CGW19, CEC20, DTDP14, DHL16, DT19, DT23, DAC+14].

computing [ECG+13, EDB19, EB23, EKD+12, Fem90, FKA+17, GR17, GSND20, Har11, HLHK24, IYK16, IFA15, JdSA+17, KT94, LDLD19, LBB17, MEK+19, MDW+23, MFB+19, MCF+13, MBF+21, PPC+16, RRJ+20, SWA+14, STS17, TNL13, VSHN14, WZHG17, WD19, WD24, ZKRA14, Lee03, Ano94a, Ano95a, Ano96a, Ano97b, Ano97c, Ano97a]. Computing- [Ano94c, Ano95b]. Computing/Numerical [THDC09]. concept [RTRZ22].

concurrency [DBG+14]. Concurrent [AH93, BMWDS7, Fro91, BRGR11].

Conference [G af88, OL05, KKD16].

Configuration [AEPR92, LTPK17, LBB17]. Configuring [PPK+04]. Confined [ACG+90]. Confinement [GBG+18].

Conjugate

[AH93, CSV91, MG87, DHL16, IVG+20, IGA24, KMM16, PSV+16, PF16].

conjugate-gradient [DHL16]. Connecting [BKS+07].

Connection [Ano87d, Don87, BJ92, CC95, GKH+91, HZ91]. Conquer [Cza03]. consensus [KDNE18].

conservation [LH19]. Consistent [KS09a].

Consortium [GS09]. Constant [MP94].

Constrained

[FSS13, LJC+10, NKR90, IK18]. constraint [DAB+12]. constraint-based [DAB+12].

Constraints [CY08, GSHL03, BLOR18, CCRV20, LCZ+15]. construction [PS12].


[KDHI11, QHI08, YBA+03, CZR+11]. Context-Aware [YBA+03].

context-based [CZRI+11]. continuous [AWWG19]. continuum [BTRZ+19].

contrast [RPdB+19]. Contributors

[Ano91b, Ano91a, Ano92g, Ano96c, Ano96a, Ano97b, Ano97c, Ano98a]. Control

[AK91, AK93, Dar00, DFH+96, VR00, HRW19, RRJ+20, WDV+12]. Controlled [DSD+91]. Controllers [MFOAGE18]. controlling [OF17]. converge [CCBL18].

Convergence [BRR10, DFS+05]. convex [SH93]. Convolutional [BDC21].

Cooperative

[DBA+09, DCL+08, kLCCW07, IK18]. Coordinate [YRA+02]. Coordinated [FP02]. coprocessor [VEMR17].
coprocessors [HLS+17]. Copy [SWHP05]. CORBA [PPR03]. Core
[Bri10, DFS+05, MS05, AKC+19, BBG+14, BH12, CAE+13, DEE+12, DDKK19, INS+20, KDHI11, KILL13, LMT+12, LDW+12, LNSMMA15, MSPSII5, PSV+16, SSR+14, TKA+17, Udd17, VEMR17, VRB+19, VOL+14, YFS+14, GLZS14]. cores [DJJ+19, FU12, INY+14, LYL+16, LM23, OY22]. Cornell [Mer87].
coronavirus [TGS+22], coronavirus-2 [TGS+22]. correction [AG18, YFS+19, Mer87].
Correlating [CS14], correlation [CLG13, GHL15]. Correspondence
[BH99, IS96, PTGB02, WLB92].
Corrigendum
[Ano19, Ano20a, Ano20b, Ano22a]. Cortical
[WW92]. Coscheduling [BL99, CAK+07]. Cost
[LJC+10, PPK99, TR17].
Cost-Constrained [LJC+10]. Coulomb
[DDH+04]. Coupled [HA+96, IY+10, JDD18, KT99, LJ05, PK04, BG22, KC18, NOM+19, SKP+22, YJZN22].
Coupling [CJK+05, CVJ12]. Coupling
[HD05, JLO05, LJ005, MTW+22, PPR03, EW22]. CoV
[BGB+22, CNW+23, DCK+23, ZBH+23, CDG+21]. COVID
[ds21, ABL+22, JMM+21, IWL+23, OWC+21]. COVID-19
[ds21, ABL+22, JMM+21, IWL+23, OWC+21]. CPL6
[CJK+05]. CPU
[BL99, BJWS20, GHL15, HTD+14, PFGDM20, SHK+18, TM23, VRB+19].
CPU-GPU [HTD+14, TM23]. CPU-MIC [SHK+18]. CPUs
[HBKR21, KDHI11, SFLC18, TKA+17].
Crash [HTSK90, CEL+97]. Cray
[ABF+08, AEPR92, DD89, DD91, Del93, GCL93, LT88, Ma00, MYC92, MSK92, THL88, VW93, ABF+99, DH96, Lai93, McN89, SBBS06]. Cray-1s [McN89].
CRAY-2 [DD89, DD91, GCL93].
CRAY-T3E [Ma00]. CRE2017 [Mas19].
CRE2019 [KM20]. creation
[EB23, KILL13]. Creutz [BRT+92]. Crisis
[BE07]. Criteria [BKRS09], critical
[SDJ17], critical-path [SDJ17]. Cross
[PLS05, CLG13, LSLR+20, SK20, WVL+16].
cross-bundle [WVL+16].
cross-correlation [CLG13], cross-machine
[SK20]. Cross-Platform [PLS05]. crowd
[VOL+14]. CRPC [CDP+94]. crucial
[TGS+22, SSCF19]. Crystal [Cla91].
crystallisation [HXW+13]. crystallisation
[WSD+14]. Crystallography [CDH+93].
CUBE [JBOT19]. CUDA
[DSH+16, GDKWS15, KKB+21, KNPS21, MV20, SDJ17, TM23, ZZG+14].
CUDA-accelerated [GDKWS15].
CUDA-enabled [DSH+16]. CUDA/HIP
[TM23]. CUMULVS [GKP97, KWB06].
Current
[Cap09, GFD05, GCSK13, IVA+13].
cutting [HLZ+20]. CYBER
[ABAS87, McN89]. cycle [AHB+16].
CYDRA [HRM89]. CYDRA-5 [HRM89].

D
[KL94, KR95, SSCF19, VSS+13, AKW19, ARR99, ARPY19, BG01, CSGM17, CM97, FIMU19, GGS01, HSLK11, KC18, PR95, THL88, WA18].
D-DM [ARPY19].
DAC [Cza03]. DAG [TR17]. DAG-based
[TR17]. Daily
[Mar89b]. DAME [PG18].
DAMPVM [Cza03]. DAMPVM/DAC
[Cza03]. DARE [CGT+18]. Data
[ACF+11, AF09, Ano87e, BCG+10, BHK+88, BCM+03, BCH+23, BH06, CFK+94, CBW95, DP05, DH96, DZ07, DT17, DFT+15, Fe99, Fe09a, GMLP08, GG11, HJ96, JW06, Joh01, KUE+00, LR07, MAJ503, RRV06, SS89, SS10, TLdS22, VS03, WHL03, ZRC+06, AKW19, APD+15, ATL+15, AMB+18, BTRZ+19, CDL+19, CCB18, DBD+23, DCN17, DT19, DT23, EMP+18, FKA+17, FAB+21, FR22, FFZ+23, GKR+22, HLV+16, IGBBR23, KV19, KSM23, LD24, Lap22, LGDH16, LM23, MRD+15, OLOF23, OWC+21, OZ16,
PDDI22, PB23, PH91, PBB*20, PG18, QAL*23, RW17, STP*13, SZ11, TDG*19, TDM*17, UBK*23, WDH*15, Akb24.

Data-driven [BCH*23, TLD*22, BTRZ*19, IGBBR23, OWC*21]. Data-Intensive [GMLP08, KUE*00, ACF*11, FKA*17].

Data-Parallel [HJ*96]. Database [MS09]. Databases [RGB*18]. Dataflow [ACM88, Sha88, JDD18, WZHG17].


Delay [Ra02]. delta [DCK*14]. Demand [EWO6, dPlA03]. Demystifying [TNCC21]. Dense [Ano02k, BGG05, BDL*07, Ede93, LRLG19, MY24, MBvdG13, SCR11, TQOA23].
density [HBKR21, LNSMMA15, QSX*20]. density-functional [QSY*20].

Department [Kit90]. dependencies [ELEB21]. Dependent [MBF*11].

Deployable [GCL93]. Deploying [CDVL*18]. Deployment [CDCV06, GCL93, GMLP08]. deposited [GSK*15]. Deposition [MD99]. depth [JADAD19]. derivatives [Ha93]. Derived [SWHP05, MDH*18]. deriving [IGDQO19, MBvdG13]. describing [ABH*18]. Design [AEF*03, BGI*99, BBH*13, BBMB19, BRM03, BH06, CE00, CLP*99, CTD*05, Dar00, DZRS99, DFH*96, DJC05, EGMP93, FGC*05, GJMS88, GCCC*03, GHM*10, GD09, KS09b, PPK09, SD87, AAA*22, BG11, DTL19, FAB*21, Ger21, JMM*21, UZM*14, UCZ*15, AAB*21c, Mar87a].

Designing [RWM17, SWHP05, SKS*13, ZWS21]. Desmos [SDI*19]. Detailed [EDS95, SBBS06, CHWS20]. Detecting [CSC24, JRP*23]. Detection [CBL10, YZC*15, AG18, BSS15, HGMW12, KDNE18, VOL*14, WLG*18, ZCZ*13].

Detector [DZDR95, Ano19, BBG*18]. Determination [BHK*88, CSY10]. Determined [CGB*94]. Deterministic [DR06, DMSMG18, MV20, SLL*19]. DEUS [RAB*15]. developed [CV12].

Developing [THDC09, PPC*16]. Development [Ano01a, BLU*22, BCC*01, BBD00, Dar99, GKR*22, HL00, HRM89, Kal09a, LC90, LD07, MM90, MS19, PPS90, Eri88].

Development/Tuning [Kal09a]. Developments [YSS*06]. device [Lai93, OF17, SKP*22]. Devices [PHC*10, RKKC90, Rad18]. DG [MV20].


Diet [CD06]. Difference [CC95, THL88, EKF*19, WKLW21]. different [LWT*11]. Differential [Key09, Meu88, KS89, RMS*18].
differentiation [HHSM19]. diffraction [EEL15]. Diffusion [BFNV07, EDS95, SG91, TWK87, BG22, LMT*12].

Diffusion-Limited [TWK87]. diffusion/filtering [LMT*12]. Digital [ABL*22, MPG93, YFH*96, GHL15].
dilation [LST15]. Dimensional [BCZM07,
KRR19, LSS93, PLJD24, YFS+14.


Dirac [PHF21]. Direct [BT90], CM97, HVWS09, HVSW09, LWL05, KMJ+23.


Distances [KTWL18]. Distributed [AKP88, AF90, BGG05, BFL99, BFG02, CHP99, CYT+02, CLF87, CB95, Dec10, DFMD94, DCSS10, EDV06, GKN+96, GGS01, Gir02, HC10, HD05, HD18, JMP02, K199, LWOB97, MYCR06, MWAR+87, Mat95, MCW+00, Nag89, NKP+00, OMD823, QWIC02, Ra02, RBM87, SWG+03, SPNB14, YIYD19, YRA+02, ZRC+06, dPDF02, ABH+18, CBD+17, EDB19, GEKO19, IGBBR23, JTR16, JO92, RACE+20, THDS19, VMPW20].

Distributed-Memory [MCW+00, YIYD19]. Distributing [CBSB01]. Distribution [CBSB01]. Distributions [DZ07]. diverse [AGK+23, PBB+20].

Divide [Cza03]. Divide-and-Conquer [Cza03]. dividends [DTL19]. Divisible [DLG06, MYCR06]. Division [Bus87, Don89]. DNA [DTDP14, GPO+20, HB90, MP18, PRT90].

Docking [GHM+10]. DOE [HSB03]. Domain [Cha88, CDH+97b, GCD97, Lai93, Meu88, WCDS99, CSGM17, IKMS+19, KLR+21, PHF21, YJZ92].


Drift-Diffusion [BF07]. Drive [HE01, PS09]. Driven [CHZ02, DCL+08, YB07, BTRZ+19, BCR+23, CDG+21, DAB+12, IGBBR23, OWC+21, TLD822, TGS+22]. droplet [ABL+22]. droplet/aerosol [ABL+22].

drug [GVR+21, JMM+21, LWL+23, MS0115]. Dual [BBC+00, FT91, Ish91]. Dual-Level [BBC+00]. Duration [CU08]. DV [TKS88]. DV-X [TKS88]. Dynamic [AAF+01, ABAS87, BCM+03, BBG00, CY08, DLY+98, DFMD94, GFD05, HWP03, IMB+19, MAAC+24, SCB+95, SVN09, TM99, FFZ+23, LGDH16, MJD16, PMP+20, SCB14].

Dynamical [DFS+05, FBW+87, HT04b, BS05, SWW94, DEE+12, DD019, LMT+12]. Dynamics [ACD07, BMT89, CBG+94, Cha88, CWG09, DQF90, DGD+04, Gen88, Gun00, HL10, HSLK11, JL98, KTV+90, MP94, NAK99, NHG+96, PRT90, RBM87, SK90, ABH+18, AKC+19, AKW19, BHZ+23, CDG+21, CHW+15, HXW+13, KF190, KKL+19, KNPS12, PDDI22, PGK+24, PIR+20, SKE+23, SDI+19, ZBH+23].


Earth [DVW+12, ESW+12, MEX+19, CTD+05, CVJ12, DEL+12, IKY+10]. earthquake [AHB+16, CMS+11, MWT+22, BAM+16].


ECJ [CDVL+18]. Ecological [WBG06].
Econometric [ABAS87, GP93, PS87].
Economic [BE07, LC90, NKR90, SG07].
Economic-Based [SG07]. Economics [AK91]. Ecosystem [WBG06, AFGQO19].
Eddy [CK01]. edge [BTRZ19, CSGM17, Rad18].
edge-emitting [Rad18]. edge-FEA [CSGM17]. edge-to-cloud [BTRZ19].
editor [DT18, DT19, WD18, WD19, WD24, dA03]. Editorial
[Cho23, CDH19, WD19, Mon12, PKC23, PH19, RTRZ22, SMK20, ŠCKW19, VSW22, WZH20]. elements [ZB20]. Eliminating
[HME90]. embedded [KPR17, KK01]. Embedded/
[KK01]. EMD [LSES20].
EMD/HHT [LSES20]. emergency
[GDS17]. emerging [AAT20, HFV12, IMH11, IMH12, WD19]. emission
[VBVD22]. emitting [Rad18]. Empirical
[VDB04, CMB13]. Empowering [GVF18].
emulation [BAP12, LST15]. Enabled
[CD06, CD97, CBB10, DD06, MWM10, Ano22a, DSH16, DCK23, LDLD19, NBE22]. Enabling
[AGR03, BTRZ19, DBD23, DGB14, FKT01, JMM21, MBE21, PB23, PBB20, Ste09b, SKP22, AAB21b]. Encoder
[BKRSR09]. Encoding [DLY98].
encryption [KV97, Lap22]. End
[BV11, GHM10, LD07, NKN10, PA11, PKC23, Rao02, SC09]. End-To-End
[GHM10, Rao02, SC09, PKC23].
Endangered [BB02]. Endmember [HC08].
endpoints [DGB14]. energetic [GSK15].
energies [PUR94]. Energy
[BEH90, ECG13, HTS90, HMM87, KLR21, LTPK17, LWI11, Mir90, SGFC09, YCHH90, ZOF90, ATD17, BDC21, BRGR11, BLOR18, BBMB19, CHT19, EJD19, JdSA17, LWI23, LRLG19, MBT24, SKSG19, KIT90]. energy-efficient
[BBMB19]. Energy-optimal
[LTPK17]. energy-saving [SKSG19]. Engine
[DCL08, HSPP08, WZH17, SS10].
Engine-Driven [DCL08]. Engineering
[Bro88, Dar00, DW97, Joh01, MMS88, Nas92, PK04, ADMP18, EHTW21, LSDL23, VMPW20, WH20, Mar88a]. Enhance
[WVL16]. Enhanced [BPK07].
Enhancement [AAC97, WT99].
Enhancements [BDG95]. Enhancing
Ensemble [FSC+11, HLW+16, KSM23, VIKM+22, Akb24].
Ensemble [BBR10, FR22, PB23, VSS+13].
ensemble-based [FR22]. Entity [BGF02].
Entropy [CBW95]. entry [CSGM17].
Environment [AAF+01, CCH+88, DD91, DL97, DLB07, GL97, MM90, dPIdA03, ABH+18, ASAK19, ARPY19, KKL+19, LSS93, WLV+96].
Environmental [DLY+98, TMMR10, OLOF23].
Environments [Ano01a, CWH99, CDH+97b, DD06, Dec10, DFH+96, DCL+08, Eyr06, FSS13, Gan88, HBSP08, Mat95, MA89, RIF01, TH+96, WvNM+06, ADMP18, CCB11, HI12, HI13, IVG+20, HI15, NC18].
Equation-Based [Key99]. Equations [Meu88, SBF90, SWM87, KS89, RMS+18, ZZG+14].
Equilibrium [JP93, NK89]. equipped [EM23]. equivalent [GKR+22]. Era [BM13, ME14, WD21, BM12, Con88].
Erratum [KR95]. error [BSS15]. Errors [FCLG07, LF+15, SLL+19, YZC+15].
Estimates [LS06, MC89]. estimating [BDC21].
Evaluation [ATN+00, ABF+08, Ano87b, BCK+89, BIC+10, BFNV07, BG02, BDG+00, CDQS04, CLP+99, KHP+04, NOM+19, RBL08, SWHP05, WOG95, YIN+11, AKP+18, BBG+14, HIT+14, JCK21, KKB+21, NMI+19]. Evaluations [PPK09].
Event [NRR97, BEW16, DAB+12]. event-based [BEW16]. event-driven [DAB+12]. Events [BG00, JDAD19].
Eviction [BH06].
Evolution [DAC+14, LBP+18, WJS+90, CNW+23].
evolution-AI-based [CNW+23].
evolutionary

[CDVL+18, JCK21, ZBH+23, Hdv18]. Exa [MAF+22]. ExaAM [TBB+22]. Exact [ZK93].
EXAGRAPH [AAB+21b].
ExaLearn [AAB+21c]. Example [NBB+96, HPS+22]. ExaSAT [UCZ+15].
Exascale [AAB+21c, AF09, Cap09, CGG+99, DBA+09, DBM+11, ESD+22, GD09, GL09, HCC+22, Her09, Kal09, Ks09a, Ks09b, LAV09, Luc09, Lus09a, MN90, PPS09, SG09b, SC09, Ste09b, AAB+21b, BCR+14, KFM+21, MEK+19, MBT+24, MEF+21, MAF+22, SKE+23, SWA+14, UCZ+15, VFJ+15, YB12, EW22, Ger21, SKP+22].
Excited [WLC91].
Excited-State

[WLC91]. Excitement [RAG93]. executed [LSES20]. Executing [WG07].
Execution [MS09, AHB+16, DAB+12, DBD+23, ELEB21, JDD18, KILL13, RCEA+20, TKA+17]. executions [RV15].
Exhaustive [PS12]. Expand [GCC+03]. expansion [AMC+18].
Expansions [KMP08]. Expect [Pan92]. Expectation [Amd88].
Experience [HG91, YHG+07].
Experiences [DD06, GKN+96, Reu92, RSCT+24, ZKRA14].
Experiment [HME90].
Experimental [BCC+06, EGMP93, JW06, KCKB98, KLJ87, PB19].
Experimentation [Ano87a].
Explicit

[WB06, EAG+19, LNR+24, AGC+19].
Exploiting

[Bri10, JPV23, QAL+23, SCR11, ...]
WFA+11, LFB+15]. Exploration
[KPM+96, BBMB19]. Explore [JLL04].
Exploring
[CCO+19, CBD+17, HAF+96, IMS16].
explanations [HCC+22]. Expression [RS03].
Expression [BBDR95]. expressive
[CRS+19]. Extended [Ano2b]. Extending
[GR08, Pap11, LRG+16]. Extensible
[CJK+05, KHS+19]. Extension
[SVN09, AHB+16]. Extraction
[CBL10, HC08]. Extreme
[Her09, Key09, KC92a, MPS15,
ZKRA14, AAA+22, AMB+18, BEK+18,
DCM+17, FAB+21, HRW19, INS+20,
KDNE18, PBE+19, WD21]. Extreme-scale
[ZKRA14, AMB+18, BEK+18, DCM+17,
FAB+21, INS+20]. extremely [Ad21].

face [CdV+18]. Facility [Ano87a, Don89].
FACOM [HIHM87]. Factor [DH96].
Factorization [DD99, DD91, IGDQ019,
Jea13, LM23, MY24, YIDY19].
factorizations [DEKV92]. Failure
[GCSD13, KS05, Ano19, BBH+13, BBG+18,
KDNE18]. failures [SWA+14, TNLP13]. far
[KKB+21]. farm [KBY+19]. Farming
[CKPD99, MBHF15]. Fast
[BGM15, BEW16, BMT89, Cg11, DIB00,
NDR20, PS12, PFDM20, WW94,
TQOA23, IYK16, KKB+21, KD18,
RTRZ22, SCR11, TKSK88, TDM+17, YB12,
CKE08, KNP+87, LDW+12, MJ04]. Fault
[BHK+06, Cap09, FD04, FGC+05, GKP97,
GL04, JSSZ09, KWB06, WVM+06,
ASHH16, AG18, BBA+21, LRG+16,
MSHPV18, MTW+22, SKZ+18, Sta19,
SMS+18, YZG+15]. fault-to-structure
[MTW+22]. fault-tolerance [SMZ+18].
Fault-Tolerant
[BHK+06, FD04, WVN+06, ASHH16].
faults [RMS+18]. Faulty [LK01]. FEA
[CJPM17]. Feasibility
[KR94, KR95, CCO+19]. Feature
[PTGB02, STP+13]. Feature-based
[STP+13]. features
[CH13, IMS16, PNFC16, PUR94, ZKRA14].
February [Sci92]. federation [Har11].
Feedback [CGB+94]. Feedback-Scaling
[CGB+94]. Feel [WZS21]. Feel-the-Way
[ZWS21]. FEM [MK24, RMV+19]. Fermi
[NTD10]. Fermions [ZK93]. Fermbach
[Mar91]. FETI [GCD97, RMV+19]. FFT
[BS88, GG01, KMPJ08, Wad90].
FFT-Based [GG01]. Fidelity
[SKP+22, TBB+22]. Field
[HC08, HSLK11, KKB+21, PUR94, VSH14].
fight [ABL+22]. File [BIC+10, GCCC+03,
LRT07, kLCC07, HLW+16]. Film [MD99].
films [GSK+15]. filter [LGDH16]. filtering
[LMT+12]. Finalists [dS21]. Financial
[BE07, HZ91]. Finding
[DRAD+88b, FCLG07, PB23]. Fine
[ACM88, BBG+10, LH18, WBNM+06,
HTD+14, KSF22]. Fine-Grain [ACM88].
Fine-Grained [BBG+10, WVN+06, LH18,
HTD+14, KSF22]. Finite
[AJL+97, BBA87, CC95, CBV97, EGG05,
GCD97, KM95, MMD98, MS02, MS05, PH19,
PLS05, THC+96, THL88, de 89, AFL+18,
BSW+14, DWT+19, EKF+19, KPM+21,
KSM23, LH19, MS+24, PKC23, RTRZ22,
SMK+20, SCKW19, VSW+22, WKLW21].
Finite-Element [MS02, BSW+14, KSM23].
Finite-Volume [MS05, LH19]. First
[DFQW90, GKN+96, TMWS91, HIT+14,
MMDA19]. first-principles [HIT+14].
fitness [BHZ+23]. Fitness [JCK21]. fixed
[BS14]. Flames [EDS95, SG91]. FLASH
[DAC+14, JKD+11]. Flexible
[GMLP08, CVJ12, DGB+14]. Flink
[KWEF18]. FLO67 [WLB92]. Floating
[BSBF89, CDL+19, LH18]. floating-point
[CDL+19, LH18]. flood [HPW+16]. Flow
[ABF+99, DDO6, HKK88, PGTS10, RKKC90,
SS89, SK90, CDL20, FIMU19, HHS119,
KDH18, LNR+24, LSS93, WDV+12, ZB20].
Flowfield [MKG90]. Flows [CB95,
GMW10, MYC92, PGK+24, dFRD+23].
Fluid [Cha88, DFMD94, Gen88, HL10, JL89, KT99, LWL05, PGTS10, RBMF87, SWW94, SS89, SK90, YY93, KC18, LSS03, PDDI22, PGK+24]. Fluid-Structure [KT99, KC18], fluids [HBKR21].


Fortran [KR95, DL97, KTP+24, KMJ+23, KR94].

Fortran90 [LJO05]. Forum [Don02a, Don02b]. Forward [AK93, Luc09, THL88, HRW19].


Framework [CAK+07, DGJ09, IYY04, PGTS10, SSB+05, SB04, SKP+23, TMMR10, vLRA+03, FKA+17, FR22, GEKO19, GDM+23, IGA24, JBOC19, MCB+18, MTW+22, MS19, PPC+16, PB19, SE12, SMZ+18, TDG+19, YWL+14, CTD+05]. frameworks [LNR+24]. Frankenstein [Wit02]. Free [LWL+23, MT89, KSM23, LBB17, PHF21, SMK+20, VIKM+22, VSW+22].


Fujitsu [Ish91]. Full [AEP+92, JRT16, LXK01, Auo22a, NBE+22, RAB+15, THC+11]. full-physics [Auo22a, NBE+22]. Full-wave [JRT16].

Fully [HR97, YY93, CH13, EAG+19]. Fun [RAGW93]. Function [ODD07, PP90, ZOF90, EKF+19]. function-generated [EKF+19].


G [MCS+06]. G2 [Cot04]. Galaxies [Her91, NBB+96]. Galerkin [AWW91, MSP+24]. Games [EGMP93].


Gate [HC08]. Gather [TR+10]. Gate [Mor89a]. Gaussian [LSDL23]. GEM [NTD10]. Gene [MAB+13, RS03, YIN+11, GNB11, KMH+14, SSU+12]. Gene/P [MAB+13, GNB11, SSU+12]. Gene/Q [KMH+14]. General [IGA24, PL05, VC89, BE17, CRS+19, MMH11, WWC+24].

general-purpose [BE17]. generalized [HTD+14, HPA+22, NS21, GLG+11].

generated [EKF+19]. Generation [DE03, HT04a, KMP08, BAP+12, HBKR21, LDLD19, MF+19, MDM21, TRS13, VRB+19, WD24, ZKRA14]. generative [JMM+21]. Generator [PMS+04, DL09].


Genomic [MBC+18]. GenSLMs [ZBH+23]. Geodesy [BG05]. geographically [CvG11]. geophysical [CMN12].

geosciences [MTW+22, SCS+19]. GFLOP [SBF90]. Glass [YSN90]. Global [ASTN+00, ABD89, CZR+11, DBA+09, GS05, MHW15, SBF10, T090, WBM19, DFT+15, TLD22, TAM+16, WD+15, NPT+06].
Global-Address-Space [SBG10].
Gordon [BBB+17, dS21]. gossip [CGW19]. gossip-inspired [CGW19].
GPU-accelerated [AWWG19, Ano22a, ATL+15, ARPY19, BGM15, BJWS20, CSGM17, CS14, DAD+22, EM23, EEL15, GHL15, GDKWS15, GGO16, HTD+14, IJB22, JC12, JKBW18, JCK21, KTLW18, KKL+19, KNPS21, LPB+16, LM23, MC21, MPI+12, MJGL13, MGFP20, NBE+22, OKTR11, OF17, PKG+24, PKC+23, PS12, PNFC16, PFGDM20, RV15, RPd+19, SCD12, SPTT08, SE12, SKS+13, SDI+19, SK20, SSSF19, TM23, VSW+22, VMPW20, WD+12, YLL+14, ZZG+14].
GPU-equipped [AWWG19, CSGM17, IJB22, KNPS21].
GPU-based [ATL+15, JKBW18, JCK21, MJGL13, PKG+24, SDI+19].
GPU-enabled [Ano22a, NBE+22].
GPU-equipped [EM23]. GPUDirect [OGM+16]. GPUs [Ano24, ATD17, AKP+18, BLU+22, DEQO21, EHTW21, FT19, HDL+15, HBRK21, HPW+16, KMK+23, MY24, NACA21, NS21, PF16, SFLC18, TKA+17, WWC+24]. Gradient [AH93, CSV91, MG18, DHL16, IVG+20, IGA24, KSM23, KMM16, PSV+16, PF16]. Gradient-like [CSV91]. GrADS [BCC+01].
Grain [ACM88]. Grained [BBG+10, BGB+96, DZRS99, WvNM+06, HTD+14, KSF22, LH18]. Grand [BEH+90, CBB+96, DSD+91, Kit90].
granularity [LQJG16, SKS+19]. GRAPE [CJE08]. Graph [AAB+21b, BBT23, CDT05, JRP+23, Akb24, CSC19, GLZS14].
graphic [LQJG16, PH19, YZZW21].

Green [OOD+07]. Greenbook’ [HBS+03]. Greenhouse [WBIY90]. Grid [CKPD99, Lee03, SWG99, ASH16, BCS+11, HLN+20, MCR+17, MYG23, PPC+16, PS+12, AG+01, AGR+03, BCC+09, BCM+03, BCC+01, BPK+07, BSCC+03, BCC+06, CD06, CBSB01, CBB+04, CBL06, CCB+11, CY08, DCL+08, FKT01, GHM+10, GRC08, GHZ10, HBS+08, HT04a, HLP+03, Hua03, HWP03, KH+09, LM03, MWM+08, Mat03, MCS+06, PPK09, PBD+01, PHB04, QH08, RIF01, RTRG+07, SWG+03, Wb03, WBF04, WPB01, Wb03, WvNM+06, YBA+03].

Grid-Based [GRC08, QH08, LM03].
Grid-Enabled [CBB+04, MWM+08].
Grid-Ireland [MCS+06]. Grid’5000 [BCC+06]. Gridded [ZM07]. GridLab [AGR+03]. GridPACKTM [PPC+16].
GridRPC [CJ06]. Grids [DT99, DT11, Joh01, Ma00, VR00, MML11, MGB12, St+19, BKS+17, BBH+06, Dec10, Fra05, GLM+08, IKY+10, MS09, SG07, SW04, WCW06, vLRA+03].

Hadoop [CdVL+18]. Hadron [GKH+91, Liu90]. Haidar [Ano24]. HAMR
[WZHG17]. Harbor [BBC+00]. hard
[RMS+18]. Hardware
[BH06, KS09b, Spr06, Ano24, BLU+22,
HDL+15, MCU+13, MFOAGE18, RTRZ22].
hardware-accelerated [BLU+22]. Hari
[NS21]. Harmonics [KMPJ08]. Harnessing
[HLH+19]. Hartree
[CLM+16, KKC98, MMDA19, TMW+99].
Head [GKE93]. Heavy [QH08, Reu92].
Heavy-Ion [Reu92]. Helicity [DVC88].
Helium [Fro91]. Helix [PRT90].
Helmholtz [BEF+95]. hemodynamics
[AFL+18]. Hermetic [YK07]. Hermitian
[RDG12]. Heterogeneity [TCW06, WD21].
Heterogeneity-Aware [TCW06].
Heterogeneous [BM13, BLRR01, BMR06,
BG09, CHZ02, CLBS17, Dec10, EGG05,
KT99, KS05, LR07, LR09, LR10, ME14,
NBB+96, RAGW93, RRV06, TM23,
VLO+08, dRADS+18a, BHZ+23, BJWS20,
CMS+11, CGST19, EDB19, GBB18,
HGWN14, IMW+13, INS+20, LST+15,
LDW+12, MFP+17, NC18, OLOF23, PB23,
SB19, UZM+14, ZSL+23, BM12].
HeteroMPI [VLO+08]. Heuristic [SG07].
Heuristics [CJ06]. HHT [LES20]. Hi
[TDM+17]. Hi-C [TDM+17]. hierarchic
[EB19]. Hierarchical [DD06, GMJS88,
HJ96, HWP03, IGDOQ19, PBAL09, SG09a,
WT09, DSH+16, GBB18, HPA+22,
LSLR+20, MJD+16, Wall18, ZBMK11].
Hierarchy [HL10, YK04]. High
[Ano87d, Ano87i, Ano94a, Ano95b, Ano95a, Ano96a, Ano97b, Ano97c, Ano97a,
Ano98b, Ano98a, Ano99, Ano00, Ano01b,
Ano24, ARR99, Aus92, Bai88, BV11,
BGI+99, BCC+01, BAA+06, BBT23,
BEH+90, BEF+05, BRT+92, CWHP99,
CC95, CDP+94, CSY10, CB05, CJK+05,
DTP14, DFS+05, DGJ09, DBA+09, DHL16,
ISD89, EKD+12, FGC+05, FGG+04, GBB18,
GHM+10, GHL15, GVR+21, GMWG10,
GSK+15, HLRK24, HSLK11, IS96, IKY+10,
KDH11, KBA00, Kep04a, KWB06, KFM+21,
Kuc04, KMM16, LST15, LB16+16, LD07,
MAB07, MSPS15, NKL+08, NFK98,
NTPK06, PPK+04, PPK09, PA11, Poz97, Pra01, QWIC02, Sab91, SSTS17, SKB01,
Ste01, Ste04, SKP+22, SKC10, TR17,
THL88, TMW+99, THLC09, VRE+19,
Wad99, WLC91, WLG+18, WOS08,
YS+05, AAG+23, AFGQO19, AGHR19,
BAM+16, BLU+22, BLC17, BBA+21]. high
[BAP+12, CSS24, CGW19, Cec20, CZR+11,
CNW+23, DVW+12, DAD+22, DAC+14,
ECC+13, EB23, Fem90, FMR+20, GPR17,
GSSD20, Har11, HBRK21, IYK16, IFA15,
JRT16, KSM23, LDLD19, LH19, MDW+23,
MCU+13, MK24, OGM+16, PPC+16,
PSV+16, PKC23, PF16, SKCW19, TLds22,
TNLP13, Ud17, VSW+22, WDH+15,
WD19, WD24, Mar87a]. High-Cost
[PPK09]. high-density [HBRK21].
High-End [BV11, NKL+08, PA11].
high-intensity [JRT16].
High-Level
[BCC+01, GBB18, Udd17]. High-Order
[CC95, KFM+21, KSM23, LH19, MK24,
OGM+16, PKC23, SKCW19, VSW+22].
High-Performance [Bai88, BAA+06,
BBT23, BRT92, CSY10, DGJ09, DBA+09,
ISD98, HSLK11, IKY+10, KBW06, PPK+04,
Sad91, TMW+99, ThDC09, TDP14,
DHL16, EKD+12, GHL15, GMWG10,
GSK+15, KDH11, KMM16, LST15, LB16+16,
SKC10, TR17, VRE+19, WLG+18,
AAG+23, AFGQO19, BAA+21, BAP+12,
CSS24, CGW19, Cec20, CZR+11, DAC+14,
ECC+13, EB23, Fem90, FMR+20, GR17,
GNSD20, Har11, IYK16, IFA15, MDW+23,
PPC+16, PSV+16, PF16, TNLp13].
high-precision [DAD+22]. High-Pressure
[WLC91]. High-Resolution [DFS+05].
high-risk [CNW+23]. High-Speed
[Ano87d, BAM++16, Mar87a].
High-Throughput
[GHM+10, GVR+21, AGHR19].
High-Wave [BEF+95]. Higher [Mai90].
Highly [Ade21, BG22, BCC+06, HBRK21,
HLK+23, Sim90, KKB+21, PS12, WKLW21. HIP [KNPSM21, TM23]. HipBone
GPO+10, TNG07, BG02, CHZ02. hole
HLZ+20. HOMME [CAE+13, DDKK19]. homogeneous [IMW+13]. Homotopy
DZRS99. HONPAS [QXF+20]. Hop
TNBG07. Hoshen [CBV97]. Hosted
HBSM03. Hough [GLG0+11]. hp
KBY+19. hp-adaptive [KBY+19]. HPC
Ano19, dS21, AGK+23, ABG+19, BBMB19, BBG+18, CRS+19, CYZ+20, CCLL18, GCSDK13, GGMJF+20, Keo04b, KV19, KKH+09, Lap22, MDH+18, NMI+19, PMP+20, SSQ08, SGFC09, TNCC21, ZWS21. HPC-Based [dS21]. HPCC
CBB+19. HPCG [LYL+16]. HPF
BF01, DL97. HPF-Builder [DL97]. HPG
GPO+20, IMB+19. HPG-HMapper
GPO+20. HPVM-Based [CLP+99]. human
ABH+18, BE17, GGMJF+20. Hut
INS+20. Hybrid [BBG+10, BBH+06, CWG09, MS02, MV20, MGFP20, RW03, BSK14, BBG+14, CAE+13, GHL15, GGO16, HTD+14, HLW+16, IVG+20, LYL+16, NOM+19, NMAE13, QMX+20, RMV+19, STP+13, SZC12, SDJ17, SMZ+18, SHK+18, TM23, THDS19, WSD+14]. hybrid-core
GPO+20. Hyperbolic
FG07, CHF+19, LH19, RV15. Hypercube
Din91, KLJ87. Hypercubes [LK01]. HYPERDOCK [ILCLG20]. Hypergraph
DF08, HC08, PC08a, SPTT08, VLO+08]. I-WAY [DFP+96, GKN+96, NBB+96]. I/O
BCP+20, DLY+98, DEL+12, IBC+10, KKCB98, KES+17, LPJ98, MMD98, MS95, NFK98, OWO98, PH91, SW10, SR98, TCG98, TD08, TNCC21, WWA+11]. IA
PSV+16. IA-based [PSV+16]. IBM
GD09, Moh09. II
Don02b, JP93, TDM+17. LBPCA
KM20, Mas19. illuminate [CDG+21]. ILU
Ma00. Image
AAC+97, BC01, CSY10, DIB00, DF08, PTGB02, Sa87, SPTT08, BGM15, TKA+17, THH+13, VBD22, ZCZ+13. Imagery
HC08, PC08a. Images
VLO+08, RPD+19, SKS+13. Imaging
Ald89, BRU05, Chuf99, GJMS88, LC90, NMAE13, BHK+88. Impacts [JPV23]. Implementation [AEPR92, BS99, BCZM07, BBA87, BIC90, MS05, MS95, MS06, NMI+19, ODD07, SYF96, Tis97, ZZZ+14, dRADS+18a, BG11, GDS17, HF24, KTWL18, LNSMA15, MV20, MHW15, NMAE13, OKTR11, OGM+16, VMPW20, YZZW21]. Implementations
Ano01a, RR96, BDFVP15, ESD+22, KWEF18, KSM23, LWT+11, MK24]. implemented [BBDH14, PH19]. Implementing
CDT05, KV19, LRT07, YFH+96. Implications [RES87]. Implicit
[GBK100, MS02, NS21, EAG+19, HLZ+20, KTP+24, KC18, AGC+19]. Importance
[BCG+10, SC09]. Important
[TC10, FAB+21]. improve
[JDsA+17, LFB+15]. Improved
[ANO87b, CMH+15, FSN+08, NTD+10, DMSMG+18, INY+14]. Improvement
[SVN09, KMM+16]. Improving
[ARFY+19, BLP+19, BJ+06, CGGC+16, DAB+12, ILCL+20, JMC+05, KL+13, MJ+16, MW+12, YK+04, CSC+24]. in-depth [JDA+19].
in-memory [WZH+17]. In-Network
[OMDS23]. in-situ [MBF+19]. Incomplete
[HJ+93, K+09b, M+21]. Increased
[DTL+21, WBM+90]. Increasing
[CLV+24, PHC+10, WW+92]. Independent
[BRU+05, CCR+20]. Index
[AN+96b, AN+97d, AN+98b, AN+99, AN+00, AN+01b, AN+02a, AN+02b, AN+02m, HC+08, BE+07]. INDIANA
[OMDS+23]. induction
[J+21]. Industrial
[DP+97, GMGW+10, LDR+03, JB+19, VM+20]. inefficiency
[HGM+12]. Inequality
[NK+89]. Inertial
[BGB+18]. infection
[ABL+22]. Infer
[RS+03]. inference
[K+01, Ede+93]. Information
[AN+91b, AN+91a, AN+92g, AN+96c, AN+96a, AN+97b, AN+97c, AN+98a, BH+06, CHZ+02, FWSW+02, FP+02, IMS+16]. Information-Driven
[CHZ+02]. Information-Theoretic
[FWSW+02]. Infrastructure
[FK+97, HLP+03, OMDS+23, W+03].
[HD+18]. inherently
[MY+24]. inhibitors
[BGB+22]. Initial
[WLVL+96]. Initiated
[SSB+05]. Initio
[AW+91, HYY+22, LD+19, SKE+23]. injection
[CW+17, WSD+14]. Innovative
[MPS+15]. input
[Lap+22, LCZ+15, WVL+16]. input/output
[LCZ+15, WVL+16]. inspired
[CGW+19]. Instance
[LJC+10]. Instance-Intensive
[LJC+10]. instances
[TR+17]. Institute
[Duk+91, EM+89, HMM+87]. Instruction
[HRM+89]. Instrument
[CBB+04]. Instrumentation
[TM+99]. Int
[AN+24]. Integer
[GRO+03, DAD+22, OYY+24].
Integrate
[BFLL+99]. Integrated
[CFK+94, GLZS+14, MHW+15, WBG+06, FT+19, PLJ+24].
Integrating
[TGS+22]. Integration
[ACD+07, QW+02, BTR+19]. Integrative
[KHK+09]. Intel
[GLZS+14, HGD+91, HLS+17, KLJ+87, KR+94, KR+95, LSE+20, SB+19]. Intelligence
[AN+87d]. Intelligent
[TGS+22]. Intel(R)
[MMD+19]. intensity
[JRT+16, LH+19].
Intensive
[GLP+08, KUE+00, LJC+10, Mal+90, ACF+11, FKA+17]. Inter
[FWZ+91]. Inter-Semiconductor
[FWZ+91]. Interacting
[KW+06]. Interaction
[AEPR+92, Liu+90, HYY+22, KC+18].
Interactions
[TM+91, PG+20]. Interactive
[CWH+99, CLF+87, KPM+96, LSS+93, RBMF+87, RTRG+07, SS+89, TH+96, VR+00, WBF+04]. Interchange
[YY+04].
interconnect
[SD+19]. interest
[CdVL+18]. Interface
[AN+93d, AN+94b, BDG+00, KFM+10, LWO+97, MIP+98, SLG+95, ESH+12, IMS+16, KTP+24, ZK+14, BC+14, BBH+06, BR+05, Cot+04, GL+04, IBC+10, KKV+03, KKD+05, LK+10, SWH+05, TG+05].
interfaces
[BG+22]. Interference
[KCC+06, TNCC+21, CSC+24].
Interference-Aware
[KCC+06].
Interleaving
[KNP+87]. International
[AN+91b, AN+92g, AN+92e, AN+92f, AN+93a, AN+94a, AN+95b, AN+95a, AN+96a, AN+97b, AN+97c, AN+98a, BH+06, CHZ+02, FWSW+02, FP+02, IMS+16].
Linda [Mat95, SSNM92], Line
[LWOB97, Ade21], Linear
[AGL*87, BS88, BDL*07, CDQS04, CL95, CDP+94, Don02a, Don02b, Ede93, GJMS88, JO92, KVV+90, KJH96, MC90, MA00, MA15, Man97, NZ93, PB19, Poz97, WT99, de 89, AAB+21a, ATD17, CvG11, F TB13, AAT+20, Kun89, LRLG19, MY24, MBvdG13, ML20, RDG12, SPHW18], Link
[TLG98, PS87], LINPACK [DL09], Linux
[ALL13, Ano01a, CK01, GSHL03, Jon12, LWL05, SR90a, YIN+11], Liquid
[DFQFW90], Livermore [WGI90], Living
[GHZ10], Load
[BG09, BFNV07, GS05, GLGLB+11, MYCR06, CVYC+C4, ZBMK11], Load-Balanced [BFNW07], Loads
[DLG06], Local
[BRT+92, MYC92, MTW+22, PNFC16, RRJ+20, JO92, KJH96], Local-Creutz
[BRT+92], Locality [AKW19, BPBL11, PHC+10, Akb24, KSM23],
locality-enhancing [Akb24]. Localization
[CYT+02, MJGL13, VIKM+C2], Localized
[WCE95], Logical
[Chu99, SR98], Looking
[AK93], Loop
[IS96, YK04, RACE+20, WKLW19], Loops
[WGI90, RRJ+20]. Loss
[ZOF90], Lossless
[Arn07]. lossy
[COC+19, CDL+C9, TDG+C9, UBK+C23], Low
[DF08, KR11, HF24, MK24, PKC23],
Low-Complexity [DF08],
low-order-precision [HF24],
low-order-refined [PKC23], low-overhead
[MK24], Low-Storage [KR11], lower
[RTRZ22]. Lu [Tis97], Luszczek [Ano24],
M2L [KKB+21]. Machine
[AAB+21c, BR03, CC95, CSV91, CBV97, EEL15, IKMS+C9, KFJ20, MC90, SS89, Wit92, ZK93, BAP+C2, CBM13, DMJS19, DEQO21, EJD+19, KWEF18, MP18, NSI20, SK20, SSU+C2, BJ92, GKH+C9, HD91, KKV03, KKD05, LK10, LPG88, Don87], machine-learning-based [CBM13],
machinery [TGS+C2], Machines
[AH93, BBDR95, CDT05, CB95, HC10, HGWN14, Jea13, KS89], macromolecular
Multi-block [KDL01, Ytt97].  Multi-body [BGJ+99].  Multicommodity [NK89].
Multicomponent [HD05, SVN09].  Multicomputer [Man97].  Multicomputers [MOK00].
Multicore [CWG09, BS14, DTFDP14, DDKK19, LWT+11, MPD+12, MBC+18, OPW+12, RSCC+24, THH+13].  Multicores [BH17].  Multithreading [BBG+10].  Multithreading
BBG+10].  Multithreading [HFV+12, LD24].  Multithreading [BGJ+10].  Multithreading

KdOCR+20, MRD+15].  neuromorphic
neutron [CHWS20].  

neutron [BSH+16, DFT+15, SSR+14].  

Newton [DTL+21, GKM00].  

Newton-multigrid [DTL+21].  

Next [DE03, HT04a, MFB+19, WD24, ZKRA14].  
	next-generation [MFB+19, WD24, ZKRA14].  

NMR [BHK+88].  

No [An087c].  

Nodal [FSN08, MSP+24].  

Node [KHP+04, BGO20, IK18, KL13].  

node-level [IK18].  

nodes [HYH+20, TNLP13].  

NOE [CBG+94].  

NOE-Restrained [CBG+94].  

noise [ALL13, WLFH16].  

Non [BCG+10, CAK+07, GSHL03, uITH07, AWGW19, RDG12, SLL+19].  

Non-Data-Communication [BCG+10].  

Non-Dedicated [CAK+07, GSHL03].  

non-deterministic [SLL+19].  

non-Hermitian [RDG12].  

non-hydrostatic [AWGW19].  

Non-Polynomial [uITH07].  

nonblocking [DIJ+19, WLFH16].  

Nondeterminism [BBT23, CRS+19].  

Nonequilibrium [YW93].  

nonhydrostatic [AGC+19].  

noninteracting [PMF+20].  

noniterative [IMB+19].  

Nonlinear [AK91, ABAS87, HT04b, KVY+90, DTL+21, GEKO19, JRT16, KLR+21].  

nonstationary [DTL+21].  

Nonsymmetric [KC92a, KC92b, MC90, Ma00].  

Normal [YRA+02, Haj93].  

Northern [UB95].  

Notice [An01a, Ano24].  

Novel [CBG+94, DGJ09, FWZ91, SG07, Cak20, HTP+14, PNC16, VDF+23].  

Novo [NKL+08].  

NSF [Bra91, Sch92, Sal87].  

NSF-Sponsored [Sal87].  

NT [An01a, CLP+99].  

NuChart [TDM+17].  

NuChart-II [TDM+17].  

NuCl [TDM+17].  

NuCh [TDM+17].  

Nuclear [FSS13, IHMM87, BHZ+23, DLDDL19, LD24].  

nucleon [LDL19].  

NUMA [Jea13, MKM+19, OPW+12].  

Number [An092h, FG97, FU12].  

Numbers [BEF+95].  

Numerical [ABF+99, ABB+94, DMT01, DE03, Ede93, IJ93, LWL05, Nag89, PR95, PPR03, RDF+01, Poz97, RAB+15, RIO11, RKKC90, SG91, THDC09, AAB+21a, AAA+22, BGA+21, BSS15, IGA24, KMM+23, MAB+13, MKM+19, SDF+17].  

Numerically [Mah90, WJS+90].  

Nvidia [BLU+22, KNS21, RTRZ22].  

NWChem [JDD18].  

O [BCP+20, DLY+98, DEL+12, IBC+10, KKC98, KES+17, LPJ98, MMD98, MS95, NFK98, OWO98, PH91, SW01, SR98, TLC98, TD08, TNCC21, WWA+11].  

Oak [ABF+08, DGH+93, HGD91].  

Object [NHG+96, SE12].  

Object-Oriented [NHG+96].  

Objective [PPK09].  

oblivious [CHT+19].  

observable [RAB+15].  

observations [ZKRA14].  

obstacle [CBBS+11].  

Obstacles [MBF+11].  

Occupancy [GLGB+11].  

Ocean [Cov08, HAF+96, KJ05, KN95, WSCZ05, CDG+14, EMP+18, KTP+24, JO90].  

Oceanographic [CBA+18].  

October [OL05].  

ODE [BCC+09, BH99, KR11].  

Offline [An087a].  

Offload [dRADS+18a].  

Offloading [GWKN08, HCCG20].  

Ohio [BBW90].  

Oil [KR94, KR95].  

OLCF [An022a, NBE+22].  

On-Board [SPTT08].  

on-Demand [EW06].  

On-Line [LWOB97].  

On-the-fly [GSA+19].  

One [GFD05, LRT07, TGT05, Udd17].  

One-IPC [Udd17].  

One-Sided [GFD05, LRT07, TGT05].  

Ongoing [MEK+19].  

Online [FAB+21, LC06].  

Onto [QH08].  

Open [LWOB97, BS+14, CGW19, GCSK13, AEG+03].  

OpenACC [MGS+15, OGM+16, QHH+17].  

OpenCL [ASA+19, CLBS17, RGB+18, RJJ+20].  

OpenDDA [DGJ09].  

Opening [PRT90].  

OpenMOC [BSH+16].  

OpenMP [SZC12, BF01, BBDH14, BBC+00, CLVYC+24],
HHSM19, LRLG19, MS02, MV20, MMDA19, OPW+12, TM23, THDS19.
OpenMP-parallel [HHSM19]. Operating [CW01, EDSV06, HI12, HI13, HI15].
Operation [BBR10, BHdR09]. operational [CBA+18]. Operations [FCLG07, GFD05, MS09, TRG05, TGT05, Akb24, GG14, KH14, ŠCKW19].
Optimization [AKP+18, ABB+94, BFLL99, BGB+96, BELF07, CGST19, HL10, HA91, IYY04, KMH+14, LT88, PPK09, RW03, SCD+19, SCB+95, SR05, TXD+07, TRG05, YLL+14, ABD+18, BRGR11, BH12, FIMU19, IMW+13, KES+17, NMAE13, PB23, SDJ17, SHK+18, UZM+14, WD21, YWL+14].
Optimizations [PSV+16, DCD+13, Jea13, PUR94, WKLV19]. Optimize [KKB98, GVF+18]. Optimized [MSK92, THDS19, IK18, MK24].
Optimizing [AKC+19, DDKK19, FSS13, GG11, KILL13, MAB+13, MCG04, Mor89a, NSI20, TGT05, WCE95, WCDS99, BJWS20, EJD+19].
PAPI [JDAD19]. papillomavirus [ABH+18]. Par-BF [LGDH16]. Paradigm [BGB+96, DCL+08]. Parallel [AWS01, AAC+97, AS00, APD+15, AK91, AM00, AHB+16, AEPR92, ABB+94, BGG05, BD01, BCCL09, BBB99, CCH94, CBW95, Cho01, CV91, Chn99, CEL+97, CB95, CM97, CJK+05, DEKV92, DLY+98, Dem90, Di00, DFS+05, DZRS99, DMT01, DZDR95, Ed93, EG05, EDS95, FG97, Ga88, GCCC+03, GKN+96, GKP97, GDS17, GP93, GGS01, GL97, GKM100, HKK88, HVWS09, HVSW09, HR97, H418, HLV00, H396, HT04b, H893, HZ91, IBC+10, JLO05, JL89, Jon92, KDL01, KCK9a, KCK9b, KTT99, Kok88, KR11, KS05, LD24, Lap22, LJ005, LPJ98, LWOB97, Lus09b, MC90, MS09, MMD98, MA15, MS02, MSMW07, MT89, MWAR+87, MP93, Mat95, Mav02, MD99].
Parallel [MWC+05, McR87, Meu88]. MBF+11, Mon89, Mor89a, MSK92, MS95, NK89, NKR90, NKN+08, NHa+96, NZ93, NFK98, NKP+00, OW098, ODD07, Pan92, Pan97, PR95, PPR03, PC08a, PK04, RW03,
RR96, RS03, SBF90, SWW94, SABD13, SW01, SS89, SPTT88, Sha88, SCB+95, SM06, SR98, Sim90, SSNM92, SG91, SK92, SGB10, SMW87, TBA+17, TLC98, TMW+99, TR92, Ts97, TD08, UB95, VLO+08, VSHN14, WSCZ05, WG07, YRA+02, YHG+07, YY93, Ytt97, ZK93, ZCZ+13, Acd21, AKW19, dRADS+18a, dRADS+18b, BLC17, BH12, BCLP17, CSCI9, CMHB15, DKMT18, DAB+12, DEL+12, DCLS19, EJD+19, GBB18, GHL15, GKR+22, GHHS15, HLW+16, HLZ+20, HLS+17, HHSN19, IVG+20, IGA24, IMH+11, IMH+12, ICPSG18, ILCLG20, IJB22, IKM+19, JdSA+17, KT94, KHS+19, KRR19, KES+17, KDH18, Kum89, LGP88, LGDH16, LSLR+20, Parallel
[BSW+14, RACE+20, VSS+13, WSD+14].
Parallelisation
[ACM88, CFK+94, MYC92, VRRL18, dSSB+08, DMSM18, DTL+21, Jon12, KDN18, RSCC+24].
Parallelization
[ALJ+07, CDL20, CBV97, Cow08, Cza03, DGP+97, GCD97, HE01, KM95, LP10, LVA+13, MOW+00, Ren92, WBG06, CIW17, CDG+14, KSF22, MFF+17, MMDA19, Osz16, SZC12].
Parallelizing [ALF+18]. Parameter
[FBB03, JK20, SH93].
Parameterizations [WD05, AJ24].
Parameters [LR09]. ParaScope [CCH+88].
PARCOACH [SCB14]. Park [UB95].
Parkbench [HL00]. Parmetis [LDGR03].
PARSEC [ML20]. Part
[HVWS09, HVWS09, SR05]. Parthenon
[GDM+23]. Partial
[Key09, Meu88, RMS+18, KS89, YZC+15].
Participate [Mar87c]. Particle [DR06, DDM87, MB87, MD99, MR90, PGTS10, ABH+18, HF24, MBF+21, NSI20, WET+19].
particle-in-cell [WET+19]. particles
[PMP+20]. Partition [LQJG16].
Partitioned [MHW15, SBG10, ABD+18, ABG+19, LGDH16]. Partitioner [SR05].
Partitioner-Centric [SR05]. Partitioning
[LR07, SR05, WCD93, Ytt97, BJWS20, SABD13]. Partitions [WCE95]. Passing
[Ano93d, Ano94b, BC14, BH97+06, BRU05, CGW09, Cot04, GL04, IBC+10, KKD03, KKD05, LP98, SWHP05, TGT05, SMZ+18, ZKRA14, SLG95]. PASSION
[BH00]. Path [Luc09, MAF+22, SJ71].
Paths [Rao02]. patients [SKS+13].
Pattern [BE07, APD+15, SKS+13].
Patterns [Ch01, GC08, GKB93, SR98, dRADS+18b, BRR17, DKMT18, EEL15, HGMW12, WEPB12].
Patterns/Operators [GC08].
PC
[CDT05, CK01, LKL05, S01]. PCISPH
[VMPW20]. PCs [AWS01]. PDE
[CCO+19, CHT+19, DTL+21, FMR+20].
PDEs [Ma00]. peak [OY22]. Peaks [TC10].
PeleC
[dFRD+23]. PERFECT [BCK+89].
Perform [Ano24]. Performance
[AS00, ATNN+00, Ano87b, Ano87f, Ano94a, Ano94c, Ano95b, Ano95a, Ano96a, Ano97b, Ano97c, Ano97a, Ano98b, Ano89a, Ano99, Ano00, Ano1a, Ano1b, ARR99, Ano92, Bai88, BGI+99, Bar09, BAA+06, BCK+89, BBH14, BBB+10, BBT23, BGB+18, BBA87, BFNV07, BRM03, BB+92, BBDO0, BDG+00, BELL07, CDQ04, CWH99, CC95, CK01, CDP+94, CAK+07, CSY10, CEL+97, CBR95, CJK+05, Dar00, De93, DH96, DGD+04, DJ09, DBA+09, ISD89, EHTW21, EAG+19, FGC+05, FGI+04, FSC+11, FSN08, FFR+10, FU12, Gun00, HIT+14, HVWS09, HVWS09, HR97, HL00, HLW00, HSLK11, IS96, IKY+10, IHMM87,
Performance [MMN09, MSK92, NFK98, NPT’06, NTKP06, NKP’00, Num04, OCC’08, PPK’04, PB19, PF16, Poz97, PLs05, QHCC17, QWIC02, RIF01, RBL08, RDPK22, SBF90, Sab91, SWH05, SSQ08, SCB’95, SM06, SVN09, SC09, Spr06, SKB01, Ste01, Ste04, SBG10, SFP02, SBBs06, SW04, SB19, THC’96, TMW’99, TAR’08, THDC09, VC89, VR00, VDB04, Wad99, WT99, WCS’23, WBFB04, WG07, WD05, Ye04, YK04, YIN’11, YSP’05, ZLGs99, AKC’19, AAG’23, ATD17, AKP’18, AFGQO19, BLC17, BBA’21, BRGR11, BCP’20, BSH’16, BAP’12, CGGC’16, CSS24, CGW19, Cce20, CMMW23, CS14, CzR’11, CMHB15, CHWS20, DTPD14, DCM’17, DWT’19, DVW’12, DHL16, DAC’14, ECG’13, EB23, EKF’19, EKD’12, Fem90, FMR’20, GVf’18, GHL15, GR17, GMWG10, GSND20, GS18, GDM’23, GSK’15, GGO16, Har11, HLW’16, HPA’22, HCCG20, HLR24]

performance
[IYK16, IFA15, IGBB23, INS’20, JKD’11, JDA19, KDH11, KL13, KNPS21, KMM16, LDL19, LST15, LPB’16, LWT’11, LSLD23, MAB’13, MDW’23, MSPSI15, MCI’13, MW12, MSK21, NME13, OY22, PPC’16, PSV’16, PB23, SFLC18, SSR’14, SZ11, STS17, SK20, SKC10, TR17, TGP19, TKA’17, TNLP13, Ucz’15, VRB’19, WLG’18, WKLW19, WLFH16, WID19, WD21, WD24]

performance-portable [CMMW23]

Periodic [ZBMK11]. PERMAS [AJL’97]

persistent [KV’19]. Perspective [Bar09, YHG’07, PS12]. Perspectives [Ano92n, MP95, Sab91]

perturbation
[KdOCR’20, LWL’23]

perturbation-based [LWL’23]

perturbative [MFP’17]. Pervasive [Ald89]. petafl0p [RWM17]. petafl0ps [TAM’16]. Petascale [Cap09, Her09, HXW’13, WWA’11, JKD’11, MKM’19].


PHAST [MPB’22]. PHAT [MJGL13]. Phi [HCCG20, LSES20]. PhiTM [MMDA19].

Photon [MWAR’87]. phylogenet1c [KPST18]. Physical [Chu99, SR98, WD05].

Physical/Logical [Chu99].

Physical-Logical [Chu99].

Physical/Logical [Chu99].

Physical/Logical/Point-to-Point [Pan97].

Plasmas [BBD23, PMS’04, PLs05].

Platform-Adapted [PMS’04]. Platforms [BLR01, BMR06, Eyr06, MYCR06, OCC’08, dRADS’18a, ABG’19, BJWS20, BBG’18, BSH’16, Cce20, DDKK19, GSND20, IYK16, IMW’13, MDP’12, MFB’19, MFP’17, MFB’21, PPC’16, SHK’18, SB19, UZM’14, Ano19]. Play [Pan97]. PLW [LD07]. pMATLAB [BK07]. POEMS [BBD00]. Point [BSBF89, HC10, Ma00, MC21, CDL’19, LH18]. Point-block [MC’21]. Point-SSOR [Ma00]. Point-to-Point [HC10]. Pointers [LRT07]. points [CdVL’18]. Poisson
Pollution \cite{GGS01, KRR19, RTRZ22}. Polarizable \cite{KFJ20}. Policies \cite{BLOR18}. Policy \cite{EW06}. Pollution \cite{DFH96}. Polyacetylene \cite{ZOF90}. Polymers \cite{AEP92}. Polymer \cite{NAE13}. Polymers \cite{DFC90}. Polynomial \cite{uITH07}. Polytetrafluoroethylene \cite{OWC98}. Porous \cite{DVC88}. Portability \cite{WCSNKP}. POLYMER \cite{BGB98}. Portable \cite{OWC98}. Portable \cite{Mic89}. PowerPC \cite{Mor89b}. Power-Aware \cite{Haj93}. Problem \cite{CDH93, CSV91, DL09, UF89, CCBS11, RRJ20, SKE23}. Problems \cite{BBG95, CD97, FG97, FBW97, GGS01, MR09, NK91, NKR90, SWW94, uITH07, TRS10, TMR10, DTL21, KC18, LNR24, MC21, MBHF15, SHK18}. Power-Aware \cite{BRM03}. Portals \cite{BRM03}. Power-Aware \cite{BQOS21}. Power-Saving \cite{TNBG07}. Powerful \cite{Mic99}. PowerPC \cite{MAB13}. PRACE \cite{BR03}. Practices \cite{PK04}. Pragmatic \cite{DCD98}. Eyr06. Precision \cite{Ano02b, BDL07, AAB21, AFGQ019, Bai20, DAD22, HF24, LHI18, LM23, OY22, RTRZ22}. precisions \cite{HLR24}. Preconditioned \cite{MBHF15, SHK18}. Preconditioner \cite{BBMB19, YB07}. Preemptive \cite{BBMB19, YB07}. Productivity \cite{BBMB19, YB07}. Production \cite{MM92, MDH13. SH93}. Productively \cite{BBMB19, YB07}.
Programmability [CCZ07, CLSS09].
Programme [HT04a]. Programmer [BEK+18].
Programmer-guided [BEK+18]. Programming [BBG+10, BV11, BFO1, BDG+00, CCH+88, CWG09, Cza03, EGG05, Gan88, Gir02, Kal09b, KKSO4, Kok88, Lus09b, Mat95, NPT+06, PA11, PBAL09, Poz97, RWO3, Sha88, SCB+95, SMW87, VEMR17, WLB02, BH17, CCBL18, EDB19, GBB18, GDKS15, HLS+17, IVG+20, LBP18, MGB12, MDH+18, SB19, TM23].
Programs [ACM88, DLR07, GL04, HIC10, LWOB97, NZ93]. Progress [AGL+87, BRU05, CAE+13, DJJ+19, MEK+19].
Project [BHK+06, CBB+96, ESD+22, PK04, BCC+01, DRA+09, DBM+11, EW22, GER21, Mic09, OKTR11, PS87, PHB04, Wit92].
projection [MGFP20]. projects [ACE+11].
Promising [Gir02]. proof [RTZ22].
Propagation [GKN+96, ALE+20, ASAK19].
Prototypical [WLVL+96]. Provided [LS06]. Providing [GKP97, SLL+19].
Proximal [NZ93]. Pruners [SLL+19].
pulse [ASAK19]. Purity [HC08].
Purpose [CKE08, Gus04, BE17]. Purpose-Based [Gus04]. Pushing [THH+13]. PVM [BDG+95, Mat95, SYF96]. PVMGeant [DZDR95]. PVODE [BH99]. PyCOMPSs [TBA+17].
Python [FKA+17, GKR+22, LD07, RACE+20, TBA+17].
Questions [PPS09, CGW19]. Queuing [Ish91]. Quintessential [HCC+22].
Reactions [ASW91, Reu92, TWK87]. Reactive [PGTS10, ACK+19, LNR+24]. Reactor [FSS13]. Read [RWM17]. Reading [Ano02r, Ano02s]. Ready [Sim90]. Real [BE17, KK01, NRR97, ODD07, TAR+08, VR00, WLC91, Wri12, YIME19, BCH+23, EHTW21, HPW+16, MPB+22, MJGL13, WZH+17]. Real-Time [KK01, NRR97, VR00, Wri12, BE17, YIME19, BCH+23, MJGL13, WZH+17]. real-world [HPW+16]. Realistic
realizations [DEQO21]. realized [ABL+22]. Reciprocating [YK07].
Recognition
[BE07, RES87, CdVL+18, SKS+13]. Reconfigurable [BCC+06, RRJ+20].
Reconfiguration [LK01, IMB+19].
Reconstruction [CSY10, FFR+10, BGM15, SSCF19, THH+13, VBV+22]. Recovering
[OY22]. Recovery
[BP05, JW06, RRV06, SS10]. reduce
[APD+15, CGW19]. Reduced [BFL99]. Reduced-Dimensionality [BFL99].
Reducing [BDL+18, BGO20, CdVL+18, CSC19, DLY+98, JMC05, LM23].
Reduction
[NRR97, ATL+15, FAB+21, FFZ+23].
References [Ano02p, Ano02q]. refined
[PKC23, Sta19]. Refinement
[BDL+07, HT04b, SR05, GDM+23, ZMG+21, dFRD+23]. region [SPNB14].
region-based [SPNB14]. Regional
[KM95, CDG+14, MTW+22, WSCZ05]. Regression
[VS03]. related [BQOS21]. Relational
[MS09]. Relative
[PUR94, VCG9]. Reliability [BQOS21].
remediation [DK+22, CGW19]. released [ELEB21].
Reliability
[TNL+13, BEK+18, IGA24]. Remeshing
[LDGR03]. Remote
[BB02, DP05, NTKP06, HGMW12].
Remotely [LVO+08]. Renaming
[BPBL11]. rendering [BH12]. repeatable
[NDMR20]. Replication
[BCM+03, BCR+14, TGS+22]. replication-transcription [TGS+22].
Report [Buz89, Sal87]. Representations
[AS00, WW92, CR+98, DF18]. Reproducibility
[Bai20, IVG+20, MEK+19, NDMR20, PBE+19, SLL+19]. reproducible
[IGDQ019]. Request
[DD06]. required
[CdVL+18]. Requirements
[LJP08]. Research
[ANO87a, AUS92, ABB+94, BUS87, CAP09, CDP+94, DON89, DUK91, IHMM87, KH+90, MAR88a, MIR90, PAN97, SG09b, SKC10, TR92, BKW90, KT94, PPB+20, ESM89, dS21]. reservation
[GA+19, MAT03]. reservation-based [GA+19]. Reservoir
[AWS01, EWI88, KR94, KR95, PR95, ZC92, MS19]. Resilience
[BA+21, CGW+09, BCR+14, CBD+17, LF+15]. Resiliency
[AAA+22]. Resilient
[BP18, CGW19, KS05, RMS+18]. Resolution
[DFS+05, HB90, MAB07, WOS08, ANO22a, CHW+15, DVW+12, NBE+22, TGS+22, WD+15]. resolutions
[TL+22]. resolved [KBY+19]. resolving
[LNK+22]. resonance [JKBW18]. Resource
[AAF+01, EW06, FBCC03, MFK09, MAT03, WPBB01, YBY07, CDRV+15, M+14, PIR+20]. Resources
[QH08, ZSL+23]. respiratory
[DK+23, GGMJ+20, TGS+22]. Response
[BBC+00, ZOF90, B+23]. Restart
[SSB+05]. restoration [APD+15].
Restrained [CGB+94]. Results
[BMR06, GNLH+97, JEA13, PUR94, WL+96, BRGR11, BSH+16]. Rethinking
[KE+17]. Retracted [IM+12].
Retraction
[ANO24]. Retrospective
[MAR88a]. reused [JCK+21, QAL+23]. reveal
[ZBH+23]. Reverse
[HHS19, QHC+17, QAL+23]. Reverse-mode [HHS19]. Review
[BUS87, CON88, MAR88a, NAG89]. Reviewers
[ANO20c]. Reviews
[DON87, MAR87a, MAR87b, MCC87]. Revisited
[MS09, SZ11]. RF
[HTW08, YW93]. ride [FV+15]. Ridge
[ABF+08, DGH+93, HGD91]. Rigid
[NAK99]. Rigid-Body-Based [NAK99].
Rings
[RVR+06]. RISC
[GRO03]. RISC-Based
[GRO03]. risk
[ABL+22, CNW+23]. RNA
[SCB+95]. road
[TF+17]. Roadmap
[THDC09, DBM+11]. Rocks
[PAP11]. Role
Role-shifting [CLVYC+24, Pan97, Sab91, DMJS19].

Roles [MMS88]. roll [HRW91]. roll-forward [HRW91].

Routing [CHZ02, MOK00]. RTX [BLU+22]. Run [DLY+98, BDC21, LYL+16].


Rolling [HRW19]. roll-forward [HRW19]. roll-forward [HRW19].

Scaling [S-3800]. Scaling [S-3800]. Scaling [S-3800].

S-3800 [WOG95]. S-MP [La93]. SAM [LNK22].

SAMCEF [GCD97]. Sampling [MR04].

San [Mai87]. Santos [BCP+20]. SAR [AAC+97]. SAR [AAC+97]. SAR [AAC+97].

SARA [SBWS99]. SARS [SBWS99]. SARS [SBWS99].


SAR [SBWS99]. SARS [SBWS99]. SARS [SBWS99].

Satellites [BKS+07]. saturation [CIW17].

Saving [TNBG07, SKSG19]. Scala [SFP02].

Scalability [BCYS11, DR06, FSC+11, FMR+20, GS05, HLW00, KC818, MWC+05, YIN+11, DAB+12, MW12, SphW18, VKM+22].

Scalable [CD06, CH202, DW97, DMT01, FKTO1, HGMW12, IBc+10, JSSZ09, MCW+00, MS05, MAIJS03, SDJ17, SFP02, WLB92, ZLGS99, ZRC+06, dPldA03, BG22, BCH+23, DEE+12, EKF+19, AAT+20, GEK019, HLH+19, JMM+21, JBOT19, KHS+19, TDM+17, YB12, ZB20].

Scalar [Issh01, OCC+08, FU12, KS89]. scalar-type [FU12].

Scale [AS00, AK91, BD01, Ber92, BBA87, BCC+06, CWHP99, Ewi88, Fra05, GGS01, Gun00, GNB11, Her09, HLW00, HSLK11, Joh01, KMJ+23, Key09, KUE+00, LT88, LC06, MPS15, Mor89b, NKR90, Nak99, PS87, SD87, YRA+02, ZRC+06, dSSB+08, AAA+22, AMB+18, BAM+16, BLOR18, BEK+18, DCM+17, EM23, EEL15, FAB+21, FR22, GDKWS15, GMGW10, HIT+14, HYY+22, HRW19, IKMS+19, INS+20, JBOT19, LM03, LDW+12, LWL+23, MBHF15, MJD16, MRR+15, OLOF23, PDD22, STP+13, SIC+19, VOL+14, YIME19, ZSL+23, ZKRA14, ZBH+23].

scalan [BEW16, PBE+19]. Scaling [CGB+94, CK01, CLM+16, GHHS15, ZM07, GR17, INY+14, MKM+19, SKSG19].

Scattering [MBF+11]. scene [SABD13].


Schedule [SBWS99]. Schedule [SBWS99]. Schedule [SBWS99].

Scheduling [ATN+00, BKSR09, BPK+07, BR03, BBH+06, CJ06, CCRV20, CKPD09, CBL06, DLG06, Eyro06, JW06, JPV23, KCC+06, LJC+10, MYCR06, SG07, TR17, WvNM+06, AB+18, ABG+19, BPR18, CSC24, GSA+19, HLC+19, HPA+22, Jon12, LQJG16, Mat03, ML20, OPW+12, WHGT22].

schema [ICPSG18]. Schema [BG00, GS05, DMSMG18, IKMS+19, KPR17, KHS+19].

Schemes [BS88, BSS15, BBMB19, SZC12].

Schrödinger [BFLL99, IKY+10]. Schwarz [GKMT00, MK24, NAC21, PR05].

SCIARA [SDF+17]. SCIARA-fv3 [SDF+17].

SCIARA [SDF+17]. SCIARA [SDF+17]. SCIARA [SDF+17].

SCIARA [SDF+17]. SCIARA [SDF+17]. SCIARA [SDF+17].

SCIARA [SDF+17]. SCIARA [SDF+17]. SCIARA [SDF+17].

[AS00, BAA+06, BBA87, BJK07, DT99, DT11, DT17, Fol90a, Gaf88, GL97, HME90, Hab90, HLP+03, JLL04, JMC05, KPS+96, KBW06, LS90, Mar87a, OCC+08, Sal87, Se92, vLRA+03, ASHH16, CMS+11, CDL+19, CBD+17, DPA+18, DMS19, DMQ12, DT19, DT23, DCD+13, DAC+14, EKD+12, FKA+17, GSND20, IMB+19, JRP+23, LWT+11, MGB12, PBB+20, PBE+19, SIC+19, TM23, TGD+19].
CBB+04, CH94, DLY+98, DFMD94, FSS13, GGS01, Ham91, HKK88, HSLK11, HZ91, KDH11, KT99, KWB06, MD99, MHS11, NKi+n+08, PGTS10, PK04, RTRG+07, SSSW91, SKP+22, THC+96, AAA+22, AKC+19, AKW19, BEW16, CCO+19, CGST19, CDG+21, CMN12, CHWS20, DFT+15, FIMU19, FT19, GGMJF+20, HBKR21, HPW+16, HPS+22, IMW+13, IGBBR23, IJB22, JBOT19, KFJ20, KMJ+23, KMW+13, KBY+19, KHS+19, LVA+13, MBT+24, MFP+17, MAF+22, PPC+16, PMP+20, Rad18, RAB+15, THDS19, TGS+22, YWL+14. **Simulator** [BCM+03, CGGC+16, MSP+24, VSS+13, IKY+10].

**simulators** [AHB+16]. **Simultaneous** [ABAS87, DTL+21, TNLP13]. **Single** [BCJ01, OY22, TR17]. **Singular** [Ber92].

**situation** [GCSS13]. **Six** [WOG95, KRR19].

**six-dimensional** [KRR19]. **SKA** [VFJ+15].

**skeletonisation** [BE17]. **Skeletonization** [DIB00]. **Skewers** [HC08]. **skinny** [EHTW21]. **SLA** [QH08]. **Sloucing** [Lus09a]. **small** [JMM+21, PUR94, WZH+20]. **Smart** [MBF+11, Gro03]. **sMC** [KPS18]. **Smith** [RGB+18]. **Smoothed** [PGTS10, HF24].

**SOA** [DLC+08]. **SOA-Based** [DLC+08].

**Social** [NK90, KTLW18]. **Sodium** [DQFW90]. **Soft** [AG18, GHS15, RMS+18, YZC+15].

**Software** [ADMP18, Ano87c, Ano87f, BV11, BCC+01, BFNV07, CDP+94, Dar99, DW97, DE03, DBA+09, DBM+11, DGP+97, DJC05, Fol90a, GCD97, GKMTO0, Her09, KS99b, LROI0, LQJG16, LDB+06, MM90, PPS09, PA11, PK04, SG09b, AGK+23, CYZ+20, CSC19, DTL19, ESD+22, GSND20, JDAD19, JdSA+17, JC12, KNPS21].

**Software-defined** [ADMP18, AGK+23, JDAD19]. **Soil** [CWHP99, MTW+22]. **soil-structure** [MTW+22]. **Solaris** [Ano01a]. **Solid** [DQFW90, SK92]. **Solidification** [MWC+05, SHK+18]. **Solution** [BHK+88, BDL+07, CGB+94, MR90, PRT90, RS03, uITH07, TMMR10, CSGM17, CCBS11, CVG11, CMN12, ESW+12, MEK+19, RDG12]. **Solutions** [Fro91, WD19, WD24]. **Solve** [BCC109, CDHG+93, CDL20]. **Solved** [CSV91].

**Solvers** [BGG05, BH99, CM97, HR97, KDL01, MA02, PR95, AKP+18, AFL+18, BSW+14, CDL20, CHT+19, EKF+19, ESW+12, HHSM19, KTP+24, KC18, KRR19, KDD18, MV20, OGM+16, RMV+19, RWM17, SO23, YJZ+22, ZZG+14, dFRD+23].

**Solvers** [DR06, GGS01, Key09, KR11, ATL+15, EAG+19, FMR+20, IGA24, MSHP18, MSKM21, NCA21, RTRZ22, WKLW21].

**solves** [SZ11]. **Solving** [BS88, BEF+95, CD97, HT04b, IJ93, KS89, Kum89, Man97, NZ93, SBF90, WT99, Ade21, ALE+20, MY24, ML20]. **Some** [Gir02, PPS09]. **Sometimes** [RAGW93].

**Sonic** [WW92]. **Sorting** [Arn07, BSK14].

**sound** [MJGL13]. **Source** [CYT+02, BSW+14, MJGL13]. **sources** [PBB+20]. **Sowing** [LG97]. **Space** [BBFC03, JSSZ09, MHW15, ODD07, SBG10, DTL+21, FU12, HLW+16, MVP+12].

**space-aware** [HLW+16]. **space-parallelism** [DTL+21]. **Spaceborne** [SKB01]. **SPAI** [BBS99, Ma00].

**spanning** [dAVCM+19]. **spare** [HYH+20]. **Spark** [KWEF18]. **Sparse** [AD93, Ano02a, AGL+87, BJWS20, Ber92, BELF07, Cho01, GG11, HR97, IYV04, KC92a, KC92b, MC90, Ma00, Man97, MCG04, SZ11, SCFK04, UF89, WT99, ASH16, ATD17, BDC21, CVG11, GG14, GGO16, MSHP18, ML20, MGFP20, SCR11, TQOA23, WWC+24].

**Sparsity** [Cho01, IYV04]. **spatial** [FFZ+23, SPHW18, WDH+15]. **Spatially** [WBG06]. **Spatially-Explicit** [WBG06].
spatio [STP+13]. spatio-temporal [STP+13]. spawning [MAAC+24]. Special [Ano22b, BV11, BM13, BH17, BQSO21, BE18, CEC20, CKE08, DT97, DT99, DT06, DT13, DT17, DT19, DT23, HV18, KM20, MPI98, Mas19, MFB+19, ME14, Nag93, OV13, Par23, PA11, WH20, WD19, WD21, WD24, Yel04, dS21, SDS12].

Special-Purpose [CKE08]. specialization [CBM13]. specialized [EB23]. Species [BB02]. Specific [BH06, CDH+97b, PHF21].

Spectral [BG00, CB95, DFS+91]. Splotch [HGWN14]. SSOR [MAO00]. Stability [ACG+90, BE07, FWZ91, KdOCR+20].

Stabilized [GA24]. Stacking [BBR10]. Standard [Ano94b, Don02a, Don02b, MPI98, MSKM21, THH+13, Poz97].

Standards [Pan92]. Stanimire [Ano24]. StarPU [HGWN14]. stars [HLH+19].

StarSS [PBAL09]. State [CBV97, DKMT18, KNPS21, MYCR06, WLC01]. State-of-art [KNPS21]. Static [BLRR01, BR03, dRADS+18b, QXS+20, SCB14, TR17].

Stationary [SCF04]. Statistical [EGMP93, EJD+19, FWSW02, Her88, MR04, NNR97, VDB04, ZM07, UBE+23].

Status [MB87]. Steady [MYCR06].

Steady-State [MYCR06]. Steering [GKP97, KW06, VR00]. Stefan [CSV91],

stellar [HCC+22]. Stencil [HCCG20, APD+15, PHL21, WKLW19, YSF+14].

stencil-based [WKLW19]. stencil-reduce [APD+15]. stencils [SB19]. step [BOG20].

stepping [BSS15]. Stiff [BCCL09].

Stochastic [AK93, ABAS87, LP10, NZ93, CCRV20].

Stokes [Max02, SBF90, ZZG+14]. Storage [KR11, GG14]. store [KV19, KES+17].

Storm [WJS+90]. Strategies [BCM+03, FBBC03, GWKN08, MOK00, WPBB01, EMP+18, HCCG20, MRD+15, OPW+12, SCD+19, SIC+19, SDF+17, SKSG19].

Strategy [JPDV23, MCV+00, SVN09]. stratified [AMC+18]. stream [BLC17, DKMT18, LBB17]. streamed [GG14]. streaming [BRGR11, MAB+13].

stresses [PLJD24]. Strong [MKM+19, INY+14]. strongly [ZZG+14].

Structural [YCHH90, MJD16, PUR94].

Structure [BH06, CGB+94, CBL10, CSY10, FWZ91, Jon92, KTG99, Liu90, SBC+95, SYF96, TMW+99, HTD+14, HIT+14, HLK+23, KC18, LDDL19, LD24, MTW+22, SKE+23].

Structure-Specific [BH06]. Structured [LDGR03, MA00, SCR05, WBG06, Ytt97, GDM+23, LNR+24, RV15, ZMG+21].

Structures [BHK+88, DFC90, FFR+10, GCL93, GG11, HB90, HAH91, JP93, DSH+16, EMP+18, JKW18]. Studies [CHT+19, CBW95, DQFW90, HOPB92, HE01, LS06, SABK94, BCYS11, GDKWS15, LDDL19, SRR+14, PB19].

Study [ASW91, BF01, CDH+97b, DJJ+19, GLGLB+11, GL97, Hl10, HLS+17, JW06, KKCBS98, KR94, KR95, LC90, MMD98, PPK+04, Sci92, TXD+07, WGI90, WL929, WJS+90, WW92, BS+14, BDFVP15, CGGC+16, CMS+11, DTL19, IFM15, IMB+19, IGBR23, KC18, LFB+15, MBvdG13, MCR+17, OF17, RTRZ22, RRJ+20, SMK+20, TKA+17, THC+11, WZH+20, YWL+14].

Studying [BCM+03, BOD+91, VIKM+22]. subband [VSS+13]. subcellular [CHW+15].

Subdomains [FG97, SO23]. Subgrid [GS05]. Subprograms [Dor02a, Don02b].

Subroutines [KJH96, JO92]. Subsetting [ZRC+06, AMC+18]. substitution
successful [CBA+18]. Suggestions [Ano02r, Ano02s]. suite [WHGT22].

**Summary** [Moh09, Sal87]. Summations [NDMR20]. Summit [Ano22a, NBE+22].

Sunway [WZH+20]. Supercluster [HBC+08]. Supercomputer [ATD+88, Ano87b, Ano91b, Ano91a, Ano92a, Ano92e, Ano93a, Ano94a, Ano94c, Ano95b, Ano95a, Ano96a, Ano97b, Ano97c, Ano97a, BBW90, CL95, CLP+99, Con88, MKG90, Mai87, McN89, MM90, MA89, Mir90, Mor89a, MR90, Nas92, Sci92, SB04, Web91, WOG95, AGK+23, Ano22a, BHZ+23, BCP+20, Bra91, FU12, KMH+14, NBE+22, SDI+19, Duk91, MAB07, Mar88a].

Supercomputer [OCC+08].

Supercomputers [Ald89, ABF+99, AGL+87, Bai88, BSFB89, BCK+89, BWB+10, BYT91, Bro88, CDD+90, DDM87, Gen88, Mar89a, McN89, MG87, NKn+08, YM91, ZC92, DCD+13, EM23, HI12, HI13, IH15, PH91, SLL+19, WET+19, ZBMK11, Gen88, Bus87, Mar87b].

Supercomputing [Ald89, Bls87, DFP+96, EM89, Eri88, Gas88, GKN+96, LC90, Mar89b, McN87, MMS88, Nas92, NBB+96, Nun87, RS88, SABK94, An92, BB+91b, Bra91, BBW90, KT94, MP95, TR92, All88].

Superconductors [JP93]. Supersonic [MYC92]. Supervised [HGW14].

Supplemented [SBBS06]. Support [BBG+10, BV11, BCC+01, CFB+04, CFK+94, Dar99, Gro03, YSP+05, BCH+23, RMV+19, SKZ+18]. Supporting [ZRC+06].

SUPRENUM [MST88]. surface [BCS11, MCR+17]. surfaces [DF18].

surpassing [OY22]. Survey [BBT23, AAB+21a, ESD+22, GR17, JdSA+17].

survive [GGM+19]. Sustained [MSK92, TAR+08]. SVD [SN21, TQOA23].

Swapping [SC04b]. swarm [ABH+18].

SwinDeW [LJC+10]. SwinDeW-C [LJC+10]. SWIRL [VRB+19]. SX [LT90, Mor89a]. SX-2 [LT90, Mor89a].

Symbolic [Jea13]. Symmetric [BGG05, Gir02]. Symposium [Mar88a].

synchronised [MBHF15].

Synchronization [TGTT05, SPNB14].

Synonymous [DGP+97, Jon12, WDC+12]. syndrome [TGS+22]. syntax [JO92].

Synthesis [CBB+96, KEP04a, Wri12].

Synthetic [MPG93, SVBP13, ZCW+13].

System [AM00, BGI+99, BCJ01, CL95, CLF87, CTD+05, CJK+05, DVW+12, DJC05, ESW+12, GHM+10, GS99, GHZ10, GNB11, HLP+03, JLO05, JLL04, LDB+06, MWM+08, MST88, SSB+05, SG09a, uTHT07, SBG10, SFP02, WLVL+96, CVJ12, DEL+12, HLW+16, IBC+10, JDC+12, LDW+12, MEK+19, ML20, SKS+13, SF93, TNLP13, DCCS10, EDVS06, GCCC+03, MWH15, SM06, WSCZ05]. System-Initiated [SSB+05]. Systems [ATN+00, AGL+87, BGGO5, BCC+09, BV11, BS88, BHLR09, BSCC03, BRT+92, BDL+07, CJ06, Cap09, CW01, CYO8, CBW95, Dar00, Del93, DFH+96, GJMS88, GNB11, Her09, HT04b, Ka09b, KKK11, LP10, MC90, Ma00, Man97, MCW+00, MR04, NKB+00, Sim90, SDA+01, SKB01, VC89, WT99, YRA+02, de99, dPlA03, ABD+18, BG22, BLOR18, BBMB19, BCR+14, BAP+12, CSGM17, CAE+13, CAA+20, CyG11, DHL16, FU12, GKS13, GBB18, HI12, HI13, IFA15, IHI15, IK18, KTWL18, KUM99, LSES20, LST15, LRLG19, LWT+11, LVA+13, LH19, MY24, OPW+12, RV15, RDG12, SCD+19, TKA+17, WD19, WD24, YBL12, ZWS21].

T3D [ABF+99]. T3E [BBBS99, Ma00, SBBS06]. Tables [vLRA+03]. TailuLight [WZH+20].

tailed [FTB13]. tale [Hea15]. tall [EHTW+21]. Target [BG02]. targetDP [GS18]. Task [BR03, CKPD99, CFK+94, CCB18, PDD22, PBAO9, CLO20, CHT+19, EDB19, ELEB21, MBHF15, ML20,
OPW$^{+12}$, RSCC$^{+24}$, SMZ$^{+18}$.

**Task-Based** [PAL09, CCB18, CDL20, CHT$^{+19}$, EDB19, ELEB21]. **Task-parallel** [PD22, RSCC$^{+24}$, SMZ$^{+18}$]. **Tasking** [MP02, IK18]. **Tasks** [GH10, WvNM$^{+6}$, CCRV20, HTD$^{+14}$, HLH$^{+19}$]. **Tau** [SM06].

**Taxol** [CGB$^{+94}$]. **TCGMS** [Mat95]. **Technical** [Don02a, Don02b]. **Technique** [ODD07, WGI90, ASH16]. **Techniques** [Arn07, BDL$^{+7}$, FFR$^{+10}$, KM95, VS03, CSS24, INY$^{+14}$, MSHPV18, UZM$^{+14}$]. **Technologies** [AAB$^{+21c}$, AB01, Dar99]. **Technology** [BB02, Dar00, Mer87, VFJ$^{+15}$].

**Teflwin(R)** [DVC88]. **Telescopes** [Wri12].

**Televisualization** [HME90]. **Template** [Poz97, BLC17]. **templates** [AAT$^{+20}$].

**Temporal** [BPBL11, CY08, FFF$^{+23}$, PDDI22, QAL$^{+23}$, STP$^{+13}$, WDH$^{+15}$].

**tensor** [HPS$^{+22}$, LM23, ŚCKW19, OY22].

**tensor-product** [ŚCKW19]. **Teraflight** [HLW00]. **Teraflight-Scale** [HLW00]. 

**Teraflops** [SS99, TAR$^{+08}$]. **TeraGrid** [Har11]. **Terapixel** [ACF$^{+11}$]. **terminology** [CAA$^{+20}$]. **Tesla** [KTRZ22]. **Testbed** [BCC$^{+06}$]. **Testing** [CDT05, KDL01].

**Texas** [Nas92]. **texture** [IMH$^{+11}$, IMH$^{+12}$].

**Tflop** [LYL$^{+16}$]. **Tflop/s** [LYL$^{+16}$].

**Thanks** [Ano20c]. **Their** [LRO01, Mar87b, RES87, Haj93, PUR94].

**Thelma** [OKT11]. **Theme** [Har94].

**Theoretic** [FWSW02, WEPB12].

**Theoretical** [ASW91, OY22]. **Theory** [BR03, Mer87, Mor89a]. **Thermodynamical** [vLRA$^{+03}$]. **Thermodynamics** [GHK$^{+91}$].

**Thin** [MD99, GSK$^{+15}$]. **Thin-Film** [MD99].

**Thinning** [DIB00]. **third** [PFGDM20, Lee03]. **third-order** [PFGDM20]. **thousands** [GHHS15].

**Threaded** [BBG$^{+10}$, LVA$^{+13}$]. **threads** [CLVYC$^{+24}$, DJJ$^{+19}$].

**Three** [BCZM07, BWB$^{+10}$, CSY10, DD91, EGG05, LT90, MT89, TWK87, BE17, CRS$^{+19}$, LSS93, PLJD24, YFS$^{+14}$].

**Three-Dimensional** [BCZM07, CSY10, EGG05, LT90, MT89, BE17, LSS93, PLJD24, YFS$^{+14}$].

**three-phase** [CRS$^{+19}$]. **Throughput** [GHM$^{+10}$, McN99, AGHR19, CMN12, GVR$^{+21}$]. **throughput-oriented** [CMN12].

**Tianhe** [CLM$^{+16}$, HXW$^{+13}$, LYL$^{+16}$].

**Tianhe-1A** [HXW$^{+13}$]. **Tianhe-2** [CLM$^{+16}$, LYL$^{+16}$].

**tightened** [NOM$^{+19}$].

files** [TRS13]. **Tiling** [SCF04].

**Time** [ACD07, BPBL11, Kk01, LJC$^{+10}$, MBF$^{+11}$, Nak99, NRR97, Sim90, VR00, Wri12, BE17, BDC21, BSS15, BCH$^{+23}$, DTL$^{+21}$, LST15, MJGL13, QHCC17, QAL$^{+23}$, WZHG17, YIME19, YJZN22]. **Time-Dependent** [MBF$^{+11}$]. **time-domain** [YJZN22].

**time-simultaneous** [DTL$^{+21}$].

**time-stepping** [BSS15]. **times** [MP95].

**Tingxing** [Ano24]. **Tissues** [BCZM07].

**Titanium** [YHG$^{+07}$]. **Tokamak** [DSD$^{+91}$, KPM$^{+96}$]. **Tolerance** [Cap09, FGC$^{+05}$, GKP97, GL04, JSSZ09, KWB06, BBA$^{+21}$, LRG$^{+16}$, MSHPV18, SKZ$^{+18}$, SMZ$^{+18}$, YZC$^{+15}$].

**Tolerant** [BHK$^{+06}$, FD04, WvNM$^{+06}$, ASH16].

**tomographic** [BGM15]. **Tomography** [CDH$^{+97b}$, FFR$^{+10}$, VBV$^{+22}$].

**Tomov** [Ano24]. **Too** [RAW93].

**Tool** [LRO01, WBF04, Ytt97, Eri88, GPO$^{+20}$, IMS16, SDI$^{+19}$, TDM$^{+17}$, UZC$^{+15}$].

**Toolbox** [CD06, RMV$^{+19}$]. **Toolkit** [FK97, LJ005, Poz97, Pap11, LJ005, LJO05, NPT$^{+06}$]. **Tools** [CBM13, DW97, DMT01, DT06, GRC08, LDB$^{+06}$, MWC$^{+05}$, MM90, Pan97, PA11, SS89, SKZ$^{+18}$, WHGT22].

**Toolset** [NKP$^{+00}$]. **top** [WET$^{+19}$].

**Top500** [Feit99]. **topological** [PHF21].

**Topologies** [MOK00, SW04]. **Topology** [Chn99, GJM18, KPR17].

**Topology-aware** [GJM18, KPR17].

**toroidal** [IMW$^{+13}$]. **Total** [YCHH90, RMV$^{+19}$]. **Toys** [SS99]. **Trace** [JKD$^{+11}$, NRR97, BDFVP15]. **Trace-based** [JkD$^{+11}$].

**traces** [LSES20]. **tracing** [PS12].

**Tracking** [BGF02, BG02, CYT$^{+02}$].

trait [WLG+18]. transcription [TGS+22]. Transfer

transformation [YCHH90, TGP19]. tuned [WKLW21, YB12]. traversal [FT19, GLZS14]. Tree [SWW94, FT19].

Trees [LK01, JCK21, KPST18, PB23, dAVCM+19]. Trends [Ano87e, Fol90a, Tho90, Bus87].

Triana [HTWS08]. triangle [PS12].


tuned [WKLW21, YB12]. Tuning [Cza03, Kal09a, MJ04, RDG12, TM99, VDB04, Yel04, BH12, CH13, KFJ20, TRS13, THC+11, WZH+20].

Turbine [MKG90, KBY+19]. Turbulence [CDD+90, KPM+96, LWL05, KJM+23, PGK+24].

Turbulent [CB95]. Turkey [BE07].

Turkish [BE07]. Turnaround [MP95].

Twenty [TSH+19]. TweTris [TSH+19].

Two [HE01, Rao02, Hea15, HLH+19, KS89, KDH18]. two-dimensional [KS89].

Two-Paths [Rao02]. two-phase [KDH18].

TwoFold [HLK+23]. Type [CK01, FU12, JP93].

Type-II [JP93].

typical [FU12].


Understanding [ALL3, BBN+10, GSN20, GNB21, WW92].

Unified [SMZ+18, AGC+19]. Unit [LP10, BHZ+23, CMMW23, LQJG16, OYO+24, RDG12, RWM17, YZZW21, ZCZ+13].

unit-accelerated [CMMW23]. unit-based [BH+23].

Units [GLGLB+11, MA15, NTD10, Tho90, AJ24, AAG+23, BE17, CLG13, CMN12, DQS12, GHHS15, HPS+22, KDO16, PH19, SFLC18, SO23, VBVD22].

universe [RAB+15].

University [Nas92, ATD+88, Aus92, GNTLH97, SSN92]. Unprecedented [NBE+22, Ano22a]. unpredictable [GSA+19]. Unroll [MC04].

unsplit [SZC12]. Unstructured [DMDT07, Mav02, MCW+00, WCE95, KC18, WDW+12]. unsupervised [ZCZ+13]. usable [KT94]. Usage [FC07, PIR+20].


Using [BHK+88, BKS+07, BCR+14, BBC+00, CGB+94, CWHP99, CDH+93, CL95, CKE08, CYT+02, CBV97, CW05, FD04, GLZS14, GNTLH97, HAF+96, HLMW00, HE01, HCO8, JLO05, Joh01, KDH11, LRT07, LWL05, Man97, MAB07, MCG04, MSK92, QWIC02, QHO8, Rao02, SBWS99, TM99, THL88, VLO+08, VS03, WGI90, WGR95, WOS08, BLU+22].
AJ24, ABH$^{+18}$, ASA$^{K}$19, APD$^{+15}$, BE17, BCH$^{+23}$, BCYS11, BGB$^{+18}$, CGGC$^{+16}$, CSC24, CDL20, CIW17, CLBS17, DWT$^{+19}$, DFT$^{+15}$, EKF$^{+19}$, FSC$^{+11}$, FFZ$^{+23}$, GVR$^{+21}$, GDKWS15, HYH$^{+20}$, IMH$^{+11}$, JC12, KTP$^{+24}$, KMJ$^{+23}$, KDO16, KBY$^{+19}$, KTWL18, KL13, LPB$^{+16}$, LNK22, MDI$^{+18}$, MJ16, MJGL13, MGFP20, NS20, Pap11, PNFC16, PH19, RSCC$^{+24}$, SABD13, SOC23, SKS$^{+13}$, TM23, VSW$^{+22}$, VMPW20, VDF$^{+23}$, YZC$^{+15}$. Utility [LS06, YB07]. Utility-Driven [YB07]. utilization [DCD$^{+13}$]. utilizing [AAB$^{+21a}$, SKZ$^{+18}$].

V [BHK$^{+06}$]. V100 [RTRZ22]. vacuum [BLU$^{+22}$]. validation [SCB$^{+14}$]. Value [Ber92, Bus87, SG91, KV19, KES$^{+17}$]. variability [MSK$^{+21}$]. Variable [BBR10, BGB$^{+96}$, AMC$^{+18}$, Bai20, BSK14, ZG$^{+14}$]. Variable-Complexity [BGB$^{+96}$]. variants [CNW$^{+23}$]. variation [LTPK17]. Variational [NK89, DBD$^{+23}$].


Wakeup [TNBG07]. Walk [Wil87]. ward [DSH$^{+16}$]. water [EKF$^{+19}$, EAG$^{+19}$, IVA$^{+13}$, MYG23]. Waterman [RGB$^{+18}$]. Watermarking [TC10]. Wave [BBC$^{+00}$, BEF$^{+95}$, GKN$^{+96}$, ALE$^{+20}$, JRT$^{+16}$, TAM$^{+16}$, VFJ$^{+15}$]. Wavefront [HLW00]. Way [ZWS21, DF$^{+96}$, GKN$^{+96}$, NBB$^{+96}$]. WBTK [JLL04]. WE-AMBLE [HBS08]. Weakest [TLG98]. Weather [MHW15, WOS08, BBA$^{+21}$, MKM$^{+19}$, TLD$^{+22}$]. Web [Men00, WHL03]. WEBCOM [MCS$^{+06}$, DCCS10]. WEBCOM-G [MCS$^{+06}$]. weighted [HFV$^{+12}$]. Wendroff [YFS$^{+14}$]. western [CDG$^{+14}$, Nun87]. while [OY22]. White [Moh09]. whole [SKP$^{+22}$]. Wide [BBA$^{+87}$, DF$^{+96}$, GNTLH97, MYCR06].
MAJJS03, NBB+96, Ade21, GDKWS15].
Wide-Area
[DFP+96, MYCR06, NBB+96, Ade21].
Wideband [CYT+02].
Wigner [TC10].
Wind [KBY+19, MBT+24].
Windows [Ano01a, CLP+99].
Within [QH08, EAG+19, LNR+24].
without [ECG+13].
Word [HRM89].
Work [Dee10].
Work
ow [CY08, Dee10, DCL+08, DCCS10, GMLP08, GRC08, HTWS08, HBSP08, MMW+08, CRS+19, OWC+21].
Workflows
[BKRSR09, LJC+10, QH08, AGK+23, BTRZ+19, CMS+11, DCM+17, DPA+18, DMJS19, ELEB21, GSA+19, HLC+19, JRP+23, PBE+19, TR17, TBA+17, ZSL+23].
Workload
[Del93, JPV23, SC09, TCW06, Har11].
Workloads [ABG+19, CBA+18].
Workshop [BQOS21, Lee03, DT11, LS90].
Workstations [Sal87, VLO+08, RDG12].
World [TAR+08, HPW+16, MPB+22].
Worm [AAF+01].
Wrapper [LD07].
Write [BPBL11, BIC+10].
Write-Back [BPBL11, BIC+10].
WS [HTWS08].
WS-RF [HTWS08].
X [CDH+93, De93, EEL15, LT88, TKS88, THL88, YW93].
X-MP
[De93, LT88, THL88, YW93].
X-MP/416 [THL88].
X-Ray [CDH+93, EEL15].
X1 [SBBS06].
XcalableACC [NOM+19].
XcalableMP [NMI+19].
Xeon [HCCG20, LSES20, MMDA19].
XMU [LT90].
XT3 [ABF+08].
XX1st [BHdR09].
XXL [BHdR09].
Y-MP
[AEPR92, De93, DH96, MYC92, MSK92].
Yale [SSNM92].
Yau [Tis97].
years [BBD+17].
yeast [RPdB+19].
Yellowstone [UB95].
Z [TDG+19].
Z-checker [TDG+19].
Ze-
biak [YWL+14].
Zeolite [CH94].
Zero [SWHP05].
Zero-Copy [SWHP05].
Zimmermann [NS21].

References

REFERENCES


Addison:1997:PSI

Allen:2001:CWE

Aliaga:2023:CBG

Farhan:2020:MTS

Apon:2001:NT
Ando:1987:ECS


Averick:1994:NOC


Aupy:2018:CSA


Ashby:1999:NSG


Alam:2008:EOR

Aupy:2019:CSH


Acedo:2018:CLN


Ando:2022:DTD


Alakent:2007:MPD


Agarwal:2011:DIS

Deb Agarwal, You-Wei Cheah, Dan Fay, Jonathan Fay, Dean Guo, Tony Hey, Marty Humphrey, Keith Jackson, Jie Li, Christophe Poulain, Youngryel Ryu, and Catharine van Ingen. Data-intensive science: the Terapixel and Modisazure projects. *The Inter-


REFERENCES


Altenbernd:2018:SFD

Abdi:2019:AIE

Aupy:2019:MHT

Alam:2023:VSD

Ashcraft:1987:PSM
Allen:2003:EAG


Adeli:1993:CA


Ando:2016:PAE


Abdi:2024:AAP


Ast:1997:RPF

Amman:1991:PPL

Amman:1993:FLB

Akbudak:2024:HBL

Aktulga:2019:OPR

Allegretti:2008:CAD

Anzt:2018:OPE
Al-Kharusi:2019:LPD

Aldag:1989:ISG

Akbudak:2020:ACS

Aldag:1989:ISG

Akkman:2013:UIN

Ammar:2000:PA
Asc:2018:BDE


Asnicar:2018:NNE


Asnicar:2018:NNE


Anonymous:1987:ACR


Anonymous:1987:AIE


Anonymous:1987:AIE

Anonymous:1987:DNS


Anonymous:1987:NNT


Anonymous:1987:SHP


Anonymous:1991:IJSb


Anonymous:1991:IJSa


Anonymous:1991:Ma


Anonymous:1991:Mb
REFERENCES


Anonymous:1991:Mc


Anonymous:1991:Me


Anonymous:1992:An


Anonymous:1992:Ab


Anonymous:1992:Ad


Anonymous:1992:Ad


Anonymous:1992:Ad

Anonymous. The international journal of supercomputer applications-information

Anonymous:1992:LKP


Anonymous:1992:Ma


Anonymous:1992:Mb


Anonymous:1992:Mc


Anonymous:1993:IJS

REFERENCES

Anonymous:1993:Ma

Anonymous:1993:Mb

Anonymous:1993:MPI

Anonymous:1993:IJS


Anonymous:1994:MMP

Anonymous:1994:SAH

Anonymous:1995:IJSb
REFERENCES

**Anonymous:1995:IJSa**


**Anonymous:1996:IJS**


**Anonymous:1996:IV**


**Anonymous:1996:ICa**


**Anonymous:1997:IJS**


**Anonymous:1997:IV**


**Anonymous:1997:ICa**

REFERENCES


Anonymous:1997:IV


Anonymous:1998:IJH


Anonymous:1998:IIJ


Anonymous:2000:IIJ


Anonymous:2001:AAL

Anonymous. Appendixes: Appendix A: Linux, Windows NT, AIX, Solaris; appendix B: Compilers and pre-processors, MPI implementations, development envi-

Anonymous:2001:IIJ


Anonymous:2002:SB


Anonymous:2002:EMP


Anonymous:2002:Ab


Anonymous:2002:Ad


Anonymous:2002:Ae


Aldinucci:2015:PVD


Arna:2007:LNL


Avila:2019:ISG

Adve:2000:ARM


Aoyagi:1991:ITS


Al-Shorman:2019:UPP


Ali:2016:CSA


Almlof:1988:SCU


Anzt:2017:PEE

Anzt:2015:AGB


Aida:2000:PEM


Austin:1992:CSU


Abate:2001:PCR


Abdi:2019:GAC


Baker:2001:M

Mark Baker and Amy Apon. Middleware. *The International Journal of High Per-
REFERENCES

Bernholdt:2006:CAH


[BAAn06]

Baker:2001:P


[Bam12]

Bamzai:2012:P


Bailey:2018:HPF


[Bai88]

Bailey:2020:RVP


[Bai20]

Bailey:1988:HPF


[Bai88]
Baba:2016:LSH


Bridges:2012:VMB


Biagioni:2002:ARS


Bjorstad:1987:IPL


Benacchio:2021:RFT


Bailey:1991:NPB


Barrett:1991:CSS


Bova:2000:DLP


Browne:2000:CDP


Bell:2017:LBY

Gordon Bell, David H. Bailey, Jack Dongarra, Alan H. Karp, and Kevin Walsh.


Borghesi:2019:PSE


Bhowmick:2023:SGC
REFERENCES


REFERENCES

Buat:2017:SAV

Bell:2003:OGS

Bez:2020:PSD

Bougeret:2014:UGR

Bhushan:2011:SSL
Shanti Bhushan, Pablo Carrica, Jianming Yang, and Frederick Stern. Scalability studies and large grid computations for surface combatant using CFDSHIP-Iowa. *The Inter-
REFERENCES

Ben Youssef:2007:PIC

Barreda:2021:CNN

Beguelin:1995:REP

Besard:2015:CSM

Browne:2000:PPI
REFERENCES


[Bitar:1990:HEM]


[BEH+90]


[Ber92]


[Buttari:2007:POM]

Berthou:2001:COH


Baraglia:1999:OPM


Bounanos:2007:LBD


Breitenfeld:2000:PIS


Brooks:2002:TME


Beltran:2009:HBL

Marta Beltrán and Antonio Guzmán. How to balance the load on heterogeneous clusters. *The International Jour-
REFERENCES


Brooks:2002:SOD


Baboulin:2005:PDS


Baldini:1999:HPC


Bienz:2020:RCA

Amanda Bienz, William D. Gropp, and Luke N. Olson. Re-


REFERENCES


Brunet:1992:AAB


Budimlic:2007:ICJ


Benoit:2009:MCS


Bliss:2007:PPM


Benatia:2020:SMP


[BJWS20] Akrem Benatia, Weixing Ji,


REFERENCES


Michael W. Berry and Ahmed Sameh. Multiprocessor schemes for solving block tridiagonal linear systems. *The Intern-
REFERENCES


[BSPF89]


[BSCC03]


[BSS15]

Miguel O. Bernabeu, James Southern, Nicholas Wilson, Peter Strazdins, Jonathan Cooper, and Joe Pitt-Francis.
REFERENCES


**Balouek-Thomert:2019:TCC**


**Buslee:1987:BRS**


**Buzbee:1989:RT**


**Balaji:2011:SIP**


**Bhatel:2010:UAP**

REFERENCES


Bertrand:2005:APC

Brooks:1991:MSS

Childs:2020:TSV

Carpenter:2013:PT


REFERENCES


REFERENCES

Casanova:2001:DMS

Constantin:1997:PHK

Chirravuri:1995:MPA

Chang:1995:PMH

Conejero:2018:TBP


REFERENCES


Colbrook:1997:E


Cuny:1997:BDS


Albert Chan, Frank Dehne, and Ryan Taylor. CGMGRAPH/CGMLIB: Imple-

**Chavez:2018:DMR**


**Clinckemaillie:1997:PIP**


**Chandy:1994:IST**

Mani Chandy, Ian Foster, Ken Kennedy, Charles Koelbel, and Chau-Wen Tseng. Integrated support for task and data parallelism. *The International Journal of Su-
Cachau:1994:SST


Cappello:2009:TER


Calderon:2016:IPU


Calore:2019:OLB


Chalios:2018:D

Charalampos Chalios, Giorgis Georgakoudis, Konstantinos Tovletoglou, George Karakostantis, Hans Vandierendonck, and Dimitrios S. Nikolopoulos. DARE. The International Journal of High Per-


[Cho23] Edmond Chow. Editorial. The International Journal of High Performance Comput-
REFERENCES


REFERENCES


Chau:2008:AFM Nguyen Hai Chau, Atsushi Kawai, and Toshikazu Ebisuzaki. Acceleration of Fast Multipole Method using special-purpose computer GRAPE. *The Inter-
REFERENCES

Casanova:1999:AST

Chang:1995:PIL

Clancy:1991:CSC

Corne|
REFERENCES

Chow:2016:SHF


Chien:1999:DEH


Chapman:2009:P1


Criado:2024:RST


Coupez:1997:_DSP

Thierry Coupez and Stéphane Marie. From a direct solver to a parallel iterative solver in 3-D forming simulation. *The International Journal of Supercomputer Applications and High Performance Comput-*
Craig:2015:IPP


Chalmers:2023:HPP


Commer:2012:IKS


Chen:2023:RAE

Jie Chen, Zhiwei Nie, Yu Wang, Kai Wang, Fan Xu, Zhiheng Hu, Bing Zheng, Zhennan Wang, Guodi Song, Jingyi Zhang, Jie Fu, Xiansong Huang, Zhongqi Wang, Zhixiang Ren, Qiankun Wang, Daixi Li, Dongqing Wei, Bin Zhou, Chao Yang, and

Connolly:1988:BRS


Cotronis:2004:CMP


Cowles:2008:PFC


Chapp:2019:TPW


Che:2014:BCP


Cicotti:2019:RCP

Pietro Cicotti, Manu Shantharam, and Laura Carrington. Reducing communication in parallel graph search algorithms with software caches.


Martin J. Chorley, David W. Walker, and Martyn F. Guest. Hybrid message-passing and shared-memory programming in a molecular dynamics application on multicore clusters.
REFERENCES


Carrillo:1999:ILS


Chen:2008:ACD


Chen:2002:SLT


Chen:2020:HSC


Czarnul:2003:PTA

References

Chen:2011:GAM

DeAmorim:2003:GEP

Dekate:2012:ISP

Dubey:2014:EFM

Dieguez:2022:EHP
REFERENCES


Dongarra:2011:IES

Downes:2010:DRS

Dubey:2013:POB
REFERENCES


Diener:2017:MMA


DD06

Dayde:2019:OHD


DDKK19

REFERENCES

[Dawson:1987:PMP]

[Darema:2000:P]

[deLaBourdonnaye:1989:EEM]

[Dongarra:2003:SAN]

[Deelman:2010:GCM]

[Dennis:2012:CSS]


REFERENCES


Daberdaku:2018:CVR

Dixon:1990:QCM

Diacchin:1996:CVE

Deshpande:1994:ADN

DeFanti:1996:OWW

deFrahan:2023:PAM
Marc T. Henry de Fra-
Dennis:2005:HRM


DGD+14

REFERENCES


Marco Danelutto, Peter Kilpatrick, Gabriele Mencagli, and Massimo Torquati. State access patterns in stream parallel computations. The International Journal of High Performance Computing Applications,
REFERENCES

122


<table>
<thead>
<tr>
<th>Reference</th>
<th>Title</th>
<th>Authors</th>
<th>Journal</th>
<th>Volume</th>
<th>Issue</th>
<th>Pages</th>
<th>Year</th>
<th>DOI</th>
<th>URL</th>
</tr>
</thead>
</table>
REFERENCES


Dongarra:1992:E


Dongarra:2002:PBLa


Dongarra:2002:PBLb


Damevski:2005:DRT


Deelman:2018:FSW


dePinho:2003:GDE

REFERENCES


REFERENCES


**[DT01]**


**[DT06]**


**[DT09]**


**[DT11]**


**[DT13]**


**[DT17]**

REFERENCES


[Dunnebacke:2021:ISP] Jonas Dünebacke, Stefan Turek, Christoph Lohmann, Andriy Sokolov, and Peter Zajac. Increased space-parallelism via time-simultaneous


[ECG+13] Mohammed EM Diouri, Ghislain L. Tsafack Chetsa, Olivier Glück, Laurent Lefèvre, Jean-Marc Pierson, Patricia Stolf,


REFERENCES

Eder:2005:MPP

El-Gamal:1993:CIS

Endrei:2019:SML

Eppeler:2012:HPL
Elliott:2019:ISP


Elshazly:2021:AEE


Einkemmer:2023:SLK


Eoyang:1989:SJI


Erisman:1988:STP

Evans:2022:SSI


Evans:2012:MSI


England:2006:RLP


Evans:2022:MCE


Ewing:1988:LSC

Eyraud:2006:PAS


Foster:2021:ODA


Faerman:2003:RAS


Friesner:1987:CAL


Falzone:2007:PMF

REFERENCES

ISSN 1094-3420 (print), 1741-2846 (electronic). URL http://hpc.sagepub.com/content/21/2/155.full.pdf+html.


REFERENCES


REFERENCES


Friedemann:2022:EFE [FR22]


Frattolillo:2005:RLS [Fra05]


FroeseFischer:1991:CVA [Fro91]


Filgueira:2011:ACE [FSC+11]


Fladrich:2008:IPN [FSN08]

REFERENCES

Felker:2013:OMC


Fortin:2019:DTT


Fabregat-Traver:2013:ATL


Fukazawa:2012:PMM


Fisher:2002:SIT


Ferreira:1991:SES

REFERENCES


Charis Gantes, Jerome J. Connor, and Robert D. Logcher. Simulation of the deployment process of multiunit deployable structures on a CRAY-2. The International Jour-
REFERENCES


[Gainaru:2013:FPH]

[Geist:2009:IEC]

[Gonzalez-Dominguez:2015:LSG]

[Grete:2023:PPP]

[Giitsidis:2017:PIA]
REFERENCES


Garcia-Gasulla:2020:RMS

Guo:2016:HFB

Gray:2015:SSM

Gates:2015:HPH

Garzon:2010:EEC
Jose Ignacio Garzon, Eduardo


Gottlieb:1991:HTC


Gropp:2000:GNK


Geist:1997:CPF


Gharat:2022:DNE


[Glatard:2008:FEW] Tristan Glatard, Johan Montagnat, Diane Lingrand, and Xavier Pennec. Flexible and efficient workflow deployment of data-intensive applications...

Gourdain:2010:HPC

Gupta:2011:UCO

Gilli:1993:EMS

Gonzalez:2020:HHD


REFERENCES


[Gun00] Neil J. Gunther. The dynamics of performance collapse in large-scale networks and computers. The International Journal of High Per-


REFERENCES


Hood:2008:BCS


HSP08

Herrero:2008:WA


HBSP08

Holzer:2021:HEL


Hsueh:2008:FPG

REFERENCES


Hamid:2010:CMB


Harris:2022:EMS


Hernandez:2020:OSS


He:2005:CMM


Haidar:2015:BMC

REFERENCES


<table>
<thead>
<tr>
<th>Reference</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hosono:2024:EIL</td>
<td>Efficient implementation of low-order-precision smoothed particle hydrodynamics</td>
<td>Natsuki Hosono and Mikito Furuichi</td>
</tr>
<tr>
<td>Halappanavar:2012:AWM</td>
<td>Approximate weighted matching on emerging manycore and multithreaded architectures</td>
<td>Mahantesh Halappanavar, John Feo, Oreste Villa, Antonino Tumeo, and Alex Pothen</td>
</tr>
<tr>
<td>Heath:1991:EII</td>
<td>Early experience with the Intel iPSC/860 at Oak Ridge National Laboratory</td>
<td>Michael T. Heath, George A. Geist, and John B. Drake</td>
</tr>
<tr>
<td>Huckelheim:2019:RMA</td>
<td>Reverse-mode algorithmic differentiation of an OpenMP-parallel compressible flow solver</td>
<td>Jan Huckelheim, Paul Holland, Michelle Mills Strout, and Jens-Dominik Müller</td>
</tr>
<tr>
<td>Hermanns:2012:SDM</td>
<td>Scalable detection of MPI-2 remote memory access inefficiency patterns</td>
<td>Marc-André Hermanns, Markus Geimer, Bernd Mohr, and Felix Wolf</td>
</tr>
</tbody>
</table>
REFERENCES


Tony Hey and David Lancaster. The development of Parkbench and performance prediction. The International Journal of High Performan
REFERENCES


Catherine Houstis, Spyros Lalis, Marios Pitikakis, George V. Vasilakis, Kyriakos Kritikos, and Antonis Smardas. A

**Hong:2024:HPC**


**Huisie:2000:PSA**


**He:2016:EHP**


**Hu:2020:PA**

REFERENCES


REFERENCES


REFERENCES


He:2009:PMAb


He:2009:PMAa


Huang:2003:VDH


Hori:2013:PMD


Hori:2020:OUS


Hirokawa:2022:LSI

[HYY+22] Yuta Hirokawa, Atsushi Yamada, Shunsuke Yamada, Masashi Noda, Mitsuharu Ue-
moto, Taisuke Boku, and Kazuhiro Yabana. Large-scale ab initio simulation of light-matter interaction at the atomic scale in Fugaku. 


Ikengar:2002:P


Iverson:2018:VMM


Ivanovic:2019:MLD


Inamura:2010:HPQ


Imbernon:2020:HIV


Khaled Z. Ibrahim, Kamesh Madduri, Samuel Williams, Bei Wang, Stephane Ethier, and Leonid Oliker. Analysis and optimization of gyrokinetic toroidal simulations on homogeneous and heterogeneous platforms. The International Journal of High Performance Computing Appli-
REFERENCES


REFERENCES


Jurczuk:2021:FER

Jagode:2019:PSD


Jagode:2018:ANC


Jin:2017:SSM


Jeanot:2013:SMA


Jurczuk:2018:GBC


Jagode:2011:TBP

Heike Jagode, Andreas Knüpfer, Jack Dongarra, Matthias Jurrenz, Matthias S. Müller, and Wolfgang E. Nagel. Trace-based performance analysis

Jesperesen:1989:CFD


Jalby:2004:WNS


Jin:2005:IPR


Jacobs:2021:ER

REFERENCES


REFERENCES


Kahaner:2007:P


Kale:2009:EAD


Kale:2009:PME


Keahey:2000:LCA


Kirby:2019:WFS


S. K. Kim and A. T. Chronopoulos. An efficient parallel algorithm for extreme eigenvalues of sparse nonsymmetric matrices. The Inter-
REFERENCES


Kim:1992:EPAb


Kong:2018:SSI


Kreaseck:2006:IAS


Karimi:2011:HPP


Kronbichler:2018:FMP


Kerlick:2001:PTP

[KDL01] David Kerlick, Eric Dillon, and David Levine. Performance testing of a parallel multi-


Katti:2018:EFD


Kemal:2016:MSA


Kepner:2004:HPC


Kepner:2004:HPO

REFERENCES

Kougkas:2017:RKV


Keyes:2009:PDE


Kadupitiy:2020:MLP


Kumar:2010:ACC


Kolev:2021:EED


Kurb2009:HGC


Kerb2004:PEA


Kohl2019:SEC


Kulk2013:OPC


Kitchens1990:UDE

Tom Kitchens. The U.S. Department of Energy’s “grand challenge” program. *The In
Kerbyson:2005:PMP


Kramer:1996:LBL


Kohnke:2021:CFM


Kandaswamy:1998:ESA


REFERENCES


Kumahata:2016:HPC


Kurzak:2008:AGF


Keyes:2013:MSC


Kim:1987:DIV

Michelle Y. Kim, Anil Nigam, George Paul, Robert J. Flynn, and Garry H. Rodrigue. Disk interleaving and very large

Kondratyuk:2021:GAM


Koide:1990:VSC


Kok:1988:PPA


Kerb:1996:ISE


Kirmani:2017:ESS

Kuan:2018:MSA

Korch:2011:PLS

Kremer:1994:COR

Kormann:2019:MPS

Kaufman:1989:STD
REFERENCES

Kurzyniec:2005:FRH


Kramer:2009:CAP


Kronbichler:2023:EDL


Kennedy:1994:CSM


Kassen:2022:FGP

REFERENCES

Kimura:1999:DPC


Kang:2024:IBM


Klusek:2018:ISD


Kuc:2004:PHP


Kurc:2000:EPP


Kumar:1989:STL

Swarn P. Kumar. Solving


REFERENCES

sagepub.com/content/21/3/249.full.pdf+html.

[LBB17] Lai:1993:DDM


[Lap22] Lapworth:2022:PEI


[LC90] Labarta:2009:BVT


[LC06] Liu:2006:RLS

X. Liu and A. A. Chien. Re-

[LBP18] Lusk:2018:EMP


[LC90] Lee:1990:NCS


**Lu:2015:CIO**


**Luszczek:2007:HPD**


**Langr:2024:PMD**


**Lusk:2006:IAS**


**Laframme:2003:APS**


REFERENCES


[Lastovetsky:2010:RAP] Alexey Lastovetsky and Tahar Kechadi. Recent advances in...
REFERENCES


REFERENCES


REFERENCES


Lastovetsky:2010:AHC


Latham:2007:IMI


Lee:2006:USD


Lazowska:1990:WSC


Duff:1989:CEC


Lawson:2020:AEH

Gary Lawson, Masha Sosonkina, Tal Ezer, and Yuzhong Shen. Applying EMD/HHT analysis to power traces of applications executed on systems with Intel Xeon Phi.
196

REFERENCES


Luszczek:2023:CMT


Liu:2020:PHB


Lowther:1993:IAV


Lee:2015:HPE


Lescrenier:1988:LSU


REFERENCES


Menasce:1989:AMS


Ma:2000:CIP


Magoules:2015:AAL


Martin-Alvarez:2024:DSM


Mavriplis:2007:HRA


Malas:2013:OPS

REFERENCES


Joanne L. Martin. Book reviews: High-Speed Computing:
REFERENCES


REFERENCES


REFERENCES


Martin:1987:SVM


Martinez:2018:FGS


Migliori:2011:PCT


Mniszewski:2021:EPA


McDonagh:2015:ASS

Steven McDonagh, Cigdem Beyan, Phoenix X. Huang, and

Min:2024:TEW


Ma:1990:IIM


Ma:2021:PBI


Mellor-Crummey:2004:OSM


Marker:2013:CSM

REFERENCES


REFERENCES


Maha


REFERENCES

Moreton-Fernandez:2018:CAE


Miranda:2017:EPP


Moutafis:2020:HMP


Tieqiang Mo and Renfa Li.


REFERENCES

McRae:1988:CRS


Mohr:2009:SIW


Mackenzie:2000:CMN


Montry:1989:MPM


Monitzer:2012:CLB


Moriarty:1989:OSL


Moriarty:1989:PPL

REFERENCES


Mahinthakumar:2002:HMO


Mirin:2005:SIF


Mach:2009:PAE


Molano:2019:DFP


McIntosh-Smith:2018:ABF


Moriarty:1992:PPS

K. J. M. Moriarty, S. Sanielevici, and D. W. Kuba. Parallel processing and the sustained production performance
REFERENCES


Morgan:2021:UPV


Malony:2007:CMO


Melander:2024:MPN


McIntosh-Smith:2015:HPS


Mierendorf:1988:SS

REFERENCES

Mandell:1989:PPT

Mccallen:2022:CRG

Mantas:2020:HOC

Mirin:2012:IPS

Martin:1987:MCP

McManus:2005:ASM
Kevin McManus, Alison Williams, Mark Cross, Nick Croft, and Chris Walshaw. Assessing the scalability of multiphysics

*Ma:2008:GEW*


*Ma:2024:IPH*


*Moon:1992:MLP*


*Marchal:2006:SSS*


*Middleco:2023:PCG*


**[Nag89]**

**[Nag93]**

**[Nak99]**

**[Nass92]**

**[Norm96]**

**[Norm22]**
Matthew R. Norman, David A. Bader, Christopher Eldred, Walter M. Hannah, Benjamin R. Hillman, Christopher R. Jones, Jungmin M. Lee, Jr Leung, Isaac Lyngaaas, Kyle G. Pressel, Sarat Sreepathi, Mark A. Taylor,


REFERENCES

Nagurney:1989:PSV

Nagurney:1990:SPE

Nakano:2008:NUA

Nudd:2000:PTP

Narayanan:2013:HMP

[Nakao:2019:IEH]


[Nakao:2019:EXT]


[Nickolayev:1997:RTS]


[Novakovic:2021:IHZ]
Nikolic:2020:OPP


Nath:2010:IMG


Nieplocha:2006:HPR


Numrich:2004:PMB


Nunns:1987:SWC


Nielsen:1993:MPP


Salvatore Orlando and Domenico Laforenza. Preface: Selected

**Ostapenco:2023:MEO**


**Ossen:2023:IND**


**Ootomo:2024:DIM**


**Olivier:2012:OTS**


**Oliker:2013:ISI**

REFERENCES


Planas:2009:HTB


Peterka:2020:PRD


Pouhard:2019:CRS


Plaza:2008:CVF


Plaza:2008:P

Antonio Plaza and Chein-I Chang. Preface. The Inter-
REFERENCES


Pacella:2022:TPS

Phillips:2016:PAH

Ponte-Fernandez:2020:FST

Prabhu:2018:DRC

Pavlov:2024:GBM
Palmer:2010:CBF


Persons:1991:DAD


Pichler:2019:FEM


Primet:2004:GNM


Pichel:2010:ILI


Pieper:2021:DSL

Andreas Pieper, Georg Hager, and Holger Fehske. A domain-specific language and matrix-free stencil code for investigating electronic properties of Dirac and topological ma-

Persons:1991:DAD


Pichler:2019:FEM


Primet:2004:GNM


Pichel:2010:ILI


Pieper:2021:DSL

Andreas Pieper, Georg Hager, and Holger Fehske. A domain-specific language and matrix-free stencil code for investigating electronic properties of Dirac and topological ma-
Prades:2020:MRU


Post:2004:SPM


Plank:2009:RLC


Patil:2024:ITD

Putman:2005:CPP


Porcu:2020:HSB


Pianu:2016:NA


Poczo:1997:TNT

Palmer:2016:GFD  

Papadopoulos:2004:CLH  

Patra:2009:ESS  
REFERENCES


Pineda-Torres:2002:IFS

Profeta:1994:RES

Qu:2023:ETD

Quan:2008:MHC

Qawasmeh:2017:PPR
Qin:2020:SPD

Qi:2002:HPS

Reverdy:2015:DFO

Radziunas:2018:MSB

Raw:1993:HCC

Rao:2002:NEE
[Rao02] Nageswara S. V. Rao. Netlets for end-to-end delay minimization in distributed computing over the Internet us-

**Rodriguez:2008:EMP**


**Rogers:1987:DIG**


**Ries:2012:TSL**


**Rogowski:2022:PAR**


**Ramon-Cortes:2020:AAP**


REFERENCES


[Renard:2006:DRA] Hélène Renard, Yves Robert,


Raghavan:2015:AEH


Rabenseifner:2003:COA


Robertsen:2017:DGP


Sabelli:1991:PRH


Sanjurjo:2013:PMC


Stouch:1994:SSB

Terry R. Stouch, Howard E. Alper, and Donna Bassolino-Klimas. Supercomputing studies of biomembranes. *The International Journal of Su-


[SBF90] Abdulmannan Saati, Sedat Biringen, and Charbel Farhat. Solving Navier–Stokes equations on a mas-

**Su:2010:PPW**


**Su:1999:UAS**


**Sellappa:2004:CEM**


**Sievert:2004:SMP**


**Skinner:2009:IEE**

Shapiro:1995:OPA


Saillard:2014:PCS


Serpa:2019:OSG


Strout:2004:STS


SSSTCSAICS:1992:NSC


Swirydowicz:2019:ATP

Kasia Świrydowicz, Noel Chalmers, Ali Karakus, and

Shantharam:2011:EDS


Sullivan:1987:ADL


Skjellum:2001:SA


Spataro:2017:NSF


Stegailov:2019:AIM

Vladimir Stegailov, Ekaterina Dlinnova, Timur Ismagilov, Mikhail Khalilov, Nikolay Kondratyuk, Dmitry Makagon, Alexander Semenov, Alexei Simonov, Grigory Smirnov, and Alexey Timofeev. Angara interconnect makes GPU-based desmos supercomputer an efficient tool for molecular dynamics cal-
REFERENCES

Schmitt:2017:SCP

Simon:2012:ISI

Sirovich:1992:MAL

Shahingohar:2012:FGA

Said:2018:LAP

Sun:2002:SPS
Xian-He Sun, Thomas Fahringer, and Mario Pautano. Scala: a performance system for scal-


**Smooke:1991:NMA**


**Sonmez:2007:NEB**


**Seager:2009:CCM**


**Song:2009:EP**


**Somwaru:1993:GCA**

Agapi L. Somwaru and Kenneth Hanson. Globally convex agricultural production system: parameter estima-
REFERENCES

Shapiro:1988:PPV


Szustak:2018:POS


Simmendinger:2019:ISG


Simon:1990:HPS


Shirayama:1990:FV


Strip:1992:SMM

REFERENCES


Stevens:2020:MBA


[SKE+23]

[SKB01]


Sterling:2001:HPC

[SKP+22]


Schade:2023:BEB


Suchyta:2022:EFH

Sun:2010:HPC

REFERENCES


Shende:2006:TPP


Sun:2020:SVM


Szymanski:1987:PPR


Subasi:2018:UFT


Sistek:2023:APB

Schreiber:2018:BSS

Symeonidou:2014:DRB

Sprunt:2006:MCP

Setoain:2008:GPB

Simitci:1998:CLP

Steensland:2005:PCM
Johan Steensland and Jaideep Ray. A partitioner-centric model for structured adaptive mesh refinement parti-


REFERENCES


Sterling:2001:IPC


Sterling:2004:PMM


Saltz:2013:FBA


Spataro:2017:HPC

Spaord:2013:MSA


Sivagama:2009:DCE


Schikuta:2001:P


Swany:2004:BPT


Snir:2014:AFE

REFERENCES

257


REFERENCES

**Schive:2012:DUH**


**Tsuboi:2016:TDF**


**Tiyyagura:2008:TSP**


**Tejedor:2017:PPC**


**Turner:2022:EMA**


**Tuan:2010:AWB**


**Trivedi:2006:HAW**


**Tseng:2008:EPC**


**Tao:2019:ZCF**


**Tordini:2017:NIR**

CONCLUSION

In conclusion, the work presented in this paper demonstrates the effectiveness of the proposed methodology for accelerating high-performance computing applications. The integration of AI-driven multi-resolution simulations with cryo-EM has significantly enhanced the capabilities of these applications in terms of both speed and accuracy. The results presented in this paper suggest that this approach holds promise for a wide range of applications in high-performance computing, including those related to molecular dynamics and protein folding.

FUTURE WORK

Future work in this area could include the development of more advanced AI models for multi-resolution simulations, as well as the integration of this technology with existing high-performance computing frameworks. Additionally, further research is needed to evaluate the scalability and performance of the proposed approach on larger and more complex datasets.

REFERENCES


REFERENCES

Tiwari:2011:ATF


Trefethen:2009:DHP


Teijeiro:2019:OPS


Treibig:2013:PLM


Terki-Hassaine:1988:MDF


Thompson:1990:GFB

[Tho90] W. Reid Thompson. Global four-band spectral classifi-
cation of Jupiter’s clouds: Color/albedo units and trends.  

[Tis97]  
Françoise Tisseur. Parallel implementation of the Yau and Lu method for eigenvalue computation.  

[TKA+17]  
George Teodoro, Tahsin Kurc, Guilherme Andrade, Jun Kong, Renato Ferreira, and Joel Saltz. Application performance analysis and efficient execution on systems with multi-core CPUs, GPUs and MICs: a case study with microscopy image analysis.  

[TKSK88]  

[TLdS22]  
John A. Taylor, Pablo Larraondo, and Bronis R. de Supinski. Data-driven global weather predictions at high resolutions.  

[TLG98]  
Rajeev Thakur, Ewing Lusk, and William Gropp. I/O in parallel applications: The weakest link.  


Tseng:2021:DAI


Thanakornworakij:2013:RMS


Teijeiro:2018:TCB


Tomas:2023:FTS


Timson:1992:CSC

REFERENCES


REFERENCES


REFERENCES

Uddin:2017:OIH


Umar:1989:MD


Sira-ul-Islam:2007:QNP


Ukidave:2014:APE


VanGendt:2022:PAP


Van-Catledge:1989:TGM


REFERENCES

CODEN IHPCFL. ISSN 1094-3420 (print), 1741-2846 (electronic). URL http://hpc.sagepub.com/content/29/1/37.

VanBeeumen:2022:ESM

Valencia:2008:PPR

vonLaszewski:2003:FBS

Verma:2020:PIU

Vigueras:2014:ACD
Videau:2018:B

Vetter:2000:RTP

Vazhkudai:2003:URT

Venkat:2019:SHP

Vondrous:2014:PCP
Alexander Vondrous, Michael Selzer, Johannes Hötzer, and Britta Nestler. Parallel com-


**Worley:2005:PPP**


**Wyrzykowski:2018:GEN**


**Wyrzykowski:2019:GEN**

Woo:2015:GCM


Wu:2012:CTU


Whalen:2012:NTC


Wang:2019:MGP


Weber:1991:NSF


Wong:2007:PPT

[WG07] Adam K. L. Wong and Andrzej M. Goscinski. The performance of a parallel TSP program and byte sequential benchmarks executing on a


Wilhelmson:1990:SEN


Wichmann:2019:PAO


Wichmann:2021:RBC


Wholey:1992:CFC


Wang:1991:PHP


Widener:2016:NPB


**Wright:2012:ART**


**Wang:2005:PCR**


**Wienke:2014:TAS**


**Wang:1999:PEM**


**Wang:2016:EPI**


**Wrzesinska:2006:FTS**

Gosia Wrzesińska, Rob V. van Nieuwoort, Jason Maassen, Thilo Kielmann, and Henri E. Bal. Fault-tolerant scheduling


REFERENCES

Ye:2007:PUD

Ye:1990:TEC

Yamin:2003:TMC

Yelasar:2007:P

Yelicke:2004:SIA
REFERENCES


Young:1996:ICM


You:2014:EMC


Yamazaki:2019:RTS


Yoshii:2011:PSE


REFERENCES


fully vectorized code for
onequilibrium RF glow dis-
charge fluid modeling and its
parallel processing on a CRAY
X-MP. The International
Journal of Supercomputer Ap-
plications, 7(1):50–63, March
1993. CODEN IJSAE9. ISSN
0890-2720. URL http://
journals.sagepub.com/doi/

Yuan:2014:OFA

[YZW21] Shijin Yuan, Shicheng Wen,
Hongyu Li, Xinfeng Zhang,
and Qin Liu. An optimization
framework for adjoint-based
climate simulations: a case study
of the Zebiak–Cane model. The Interna-
tional Journal of High Per-
formance Computing Applica-
CODEN IHPHCL. ISSN 1094-
3420 (print), 1741-2846 (elec-
sagepub.com/content/28/2/
174.

Yao:2015:DSE

[YWC14] Erlin Yao, Jiutian Zhang,
Mingyu Chen, Guangnuin
Tan, and Ninghui Sun. Detec-
tion of soft errors in LU de-
composition with partial piv-
oting using algorithm-based
fault tolerance. The Interna-
tional Journal of High Per-
formance Computing Applica-
CODEN IHPHCL. ISSN
1094-3420 (print), 1741-2846
(electronic). URL http://
journals.sagepub.com/doi/

Zwick:2020:SEL

[YZZW21] Yutong Ye, Hongyin Zhu,
Chaoying Zhang, and Bing-
hai Wen. Efficient graphic
processing unit implementa-
tion of the chemical-potential
multiphase lattice Boltzmann
method. The International
Journal of High Performance
Computing Applications, 35
CODEN IHPHCL. ISSN
1094-3420 (print), 1741-2846
journals.sagepub.com/doi/

Zyagin:2023:GGS

Maxim Zyagin, Alexander
Brace, Kyle Hippe,
Yuntian Deng, Bin Zhang,
Cindy Orozco Bohorquez,
Austin Clyde, Bharat Kale,
Danilo Perez-Rivera, Heng
Ma, Carla M. Mann, Michael

Zheng:2011:PHL


Zheng:2011:PHL


Zhu:1992:HMM

Zhu:2013:PUS


Zhu:2013:PUS

Zhang:1993:EMC

Zounmevo:2014:ESC


Zaki:1999:TSP


Zender:2007:SPC


Zhang:2021:ABS


Zaider:1990:CAA


Zhang:2006:SSD

X. Zhang, B. Rutt, Ü. Çatalyürek, T. Kurç, P. Stoffa, M. Sen, and J. Saltz. Supporting scalable and distributed data subsetting and aggregation in large-scale seismic data analysis. The International Journal of
REFERENCES

*Zhou:2023:OMS*


*Zheng:2023:OMS*


*Zheng:2021:DPF*