A Complete Bibliography of Publications in *Computing in Science and Engineering*

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**Title word cross-reference**


3 [KBLD08]. 39th [Ano15b]. 3D [Lew99b]. 3M [CW05d]. 3Ms [CW05b, CW05c, CW05a].  

43 [UZC+12]. 4th [CHC17].  

6000 [Tou02b]. 6i [Shi01a].  

7 [Sim13].  

8 [Bur99].
Abinit [PBD+11]. Abridged [FB04].
Academic [Bot16, LTD11]. Accelerate
[WCH12]. Accelerated
[Ben04, FPRK16, PHL+10]. Accelerating
[EKS12, KSB07, MSM13, Thi12a, TCD+14, UZC+12, WZS+10, WOAEAG10].
Accleration
[AAAH+16, FKB+13, NLGNJ13, SKP+10]. Accelerator
[AMS14, DLB+07, SG10]. Accelerators
[Eis17, HGV+08, KWB+10].
Acceptance
[PS17]. Access
[ACKW01, AGC+16, DJ02, Gal11, GDDR16, LPB13, PKST08b, PLW17, MMG+05]. Accessible
[Oli13]. Accidental
[BPH+13, HMS+00]. Accurate
[TM14]. AceDB
[STM99]. ACES
[YLCZ05]. ACES-iSERVO
[YLCZ05]. Achieving
[OS04]. Acid
[Maj03]. Acquisition
[Azo06, Cas16, CN103, CC99, LGW+17, MM16, NC03, PAN+16a, PNL+16, PS17, Shi01a]. Acquisitions
[DCWH07]. Action
[Lat16]. Active
[GHKZ17, SD11]. Activities
[Par12]. Additional
[AAGH17a, AAGH17b]. Addressing
[Bot16, HG02]. Adds
[Got02a, Shi01a]. Adjunct
[CL14]. Adjunct-Based
[CL14]. Adjustable
[Par006]. Adjusting
[KS13]. Adobe
[To08, To09a, To09b]. Adopting
[SWPB00]. Adoption
[PS17]. Adsorption
[KM99]. Adsorption-Desorption
[KM99]. Advance
[Ano15-37, TMC+13]. Advanced
[DDR+04, Got15, Got16, MSD10, STG11, SNTL13, WZZ11, DJM18]. Advancement
[Che15]. Advances
[AMS14, CK09, ECK+15, GL99, HP14a]. Advancing
[Gor13, KMB+08, LG10, PV00]. Advantage
[Mil10]. Adventures
[Nob006]. Advertisement
[Day10b]. Advice
[Day09a]. Affects
[KRH+99]. Affordable
[Weg00]. African
[Sca16]. African-American
[Sca16]. After
[Key05]. Again
[Cho07b, Sul07b]. Age
[Gav06, Thi02]. Agency
[Smi16]. Agent
[AM03, DYY+17, FRG17, HXMC05, PI16]. Agent-Based
[AM05, HXMC05, PI16]. Agent-Oriented
[FGRS17]. Agents
[BO04]. Aggregates
[KLS01]. Aggregating
[DMXR+14]. Agile
[ABC+14, SHPL12, VB08, Var08, FKB+13]. Agilent
[Tou01]. Aging
[Dub15a, Fen06, dOMdO+04]. Agreement
[Smi99e]. Aided
[Ass00, Day17a, Gig00, JS99, Lew02b]. Aims
[For01, TMC+13]. Ain’t
[Dub08c, Sul04f]. Air
[EDJ+10, PAN+16b]. Aircraft
[KNKP14, MM16]. Airspace
Alert [SSG16]. Algebra [FGP99, LPV00, Los03, Sch14, ZZPC06].

Algebraic [Fal06, RLRML04a]. Algorithm [ALH15, ATG05, BST+13, Bea00, BS00c, BS00d, DCC10, Ebr10, Liu06, MBS+00, OOB17, FL07, Par00a, Pre09, Roc00, Rus03, SSP06, SR12, Thi13c, ZYHN06].

Algorithmic [Fra07]. Algorithms [DS00, Eng09, MBS+00, MSS09, NKV99, Rag07, Sul00c, Wep15]. Alignment [XHL+13]. All-Digital [Thi15a].

All-Optical [GBPR11]. Alliance [CMN00]. Almost [Shi00a]. AlphaGo [Che16]. Alternative [ALH15, CF03]. Alternatives [EHG01]. Am [Su07a]. Amazon [FPRK16, JRD+13]. Ambient [Dac16]. America [Smi00b]. American [Sca16]. among [Cho12]. AMP [Zhu16]. Analog [Azo06]. Analogous [CB02]. Analyses [Cor07, HE05]. Analysis [ALH15, AAH+08, Ano15e, BT01, BKK15, BCC+99, CR15, DVP+17, Dai09, DH12, DLM04, DMR+09, DKWL17, EHG01, GM02, GNB+09, HAB17, HBB08, HB08, JSNR11, JRP+17, KHE13, KL07, LFC01, MRU+15, MB07, O’L06f, OMKdSB11, Ome06, PI16, PAN+16b, RD05a, RD05b, SSCN11, SCW+17, Shi99, Sul06b, TGP+06, TGEA09, VN99, VGM+09, WT12, XYC+09, SOV+13].

Analytical [DPBS16]. Analytics [AAB+13, Ano14-44, Ano16-39, GP15, KHE13, SAK+13, SBZB13, Wan18]. Analyzing [ABK+02, CS01a, DL00, O’L07a, O’L07b, SPW+13, Vla12, WGJ16].

Anatomic [CZ07, LHC07]. Anatomical [GWA+07]. Anatomy [LCY08, YCL05]. Anderson [SS11]. Anecdotes [Got14a].

Aneurysm [WNZ+17]. Angle [Nob02b, O’L12]. Animal [DL00]. Animating [Sil00, YCZ07]. Animation [LJWC06, WLCJ12]. Anisotropic [FL05].

Anniversary [SCBT18]. Annotated [Wep15]. Announcing [Leu17]. Annual [Ano99, Ano00a, Ano01, Ano02a, Ano03, Ano04a, Ano05a, Ano06, Ano08, Ano09a, Ano11c, Ano15b]. Anomaly [Smi99d].

Answer [Sul05a]. Antennas [PAN+16b].


Appliances [How12]. Application [Bas02, BHC+15, DGK16, DSA+17, HRRS09, Lau05, Läu06, LTG07, NDS17, NDS17, SSCN11, SCW+17, SKP+10, SB00, WY12].

Applications [Ano15b, Ara99, BFF12, BC05a, BC05b, Bry11, CF99a, DBH’02, Di 11, DSK15, DYY+17, DG12, Fox03d, GZC14, HPMJ12, JSNR11, KNG10, KVP+16, KVP+17, KSM+17, KSB07, KTG08, KHC+07, LZZ17, Mem16, OKS10, PF04, PMFM14, PAN+16b, Rag07, Ran06, RLRML04b, SBZ+08, SSP06, SKC02, SL03, Shi07, SBZB13, SF11, WCA+14, WD06, Wep15]. Applied [Coo14, MT00]. Apply [Eng15]. Applying [ST05, SFSK01, TX08, TMC+11, YLR02].

Approach [ABNZ09, Ama00, AM05, Bas14, Bet99, BZL+07, Che99, Che03, DPG+12, EGFL12, FGR+07, FGRS17, Gao02, JML08, KPA+16, Kyr08, O’L05c, RGD13, Roo06, SR12, Ste00, SKC05, VPP+12, Wri16, WC12, XKG05, YML06, YM14, ZS07, GGD+05].

Approaches [MVUSK14, Pat02, TGP+06]. Approximating [GBDW04]. Approximation [Hin15a, Kus06a, Sul10a]. Arbitrary [GLTZ10]. Arboreal [Shi03].

Archaeology [Day16a]. Architecture [DADY15, DYY+17, EWN+13, GHKR11, GHKZ17, HKB12, HDB+04, HRRS09, JER13, KS13, Läu06, LTG07, PKST08a, PKST08b, PKST08c, SES+11, Lau05]. Architectures
Dub08a, Got01, Sul04f, Sul06c, Roa04a.


Between [Ano17x, Ano17y, Ano17z, Ano17-27, Bac07b]. Better [Ano17x, Ano17y, Ano17z, Ano17-27, Gor07a, Lan06, Wil06, Ano17-28]. Between [BHKW03, MGD+08, GRE99, OW01].

Beyond [Cus13, Lof03, Mei03, Pie04, SFC07, The03, Thi11a, dSRT16]. Big [AHS11, Ano14-44, Ano16z, Ano16-27, Ano16-28, Ano16-29, Ano16-38, Ano16-37, BKK15, BKK16].

Bioinformatics [GL08, SF11]. Biological [Bot02, GW15, Gor06a, MHH+06, TLR10, dOMdO+04]. Biologically [For00].

Biologists [K1n16]. Biology [Cho06c, D’V99, MS99, MG907, Wep15].

Biomechanical [ZCX99]. Biomechanics [VSE01]. Biomedical [FKB+13, Joh12, WZS+10]. Biomolecular [ABK+02, CR15]. Biophysics [Eth01].


Books [Ano10a, Ano11a, Ano11b, Ano12a, Bac10, CG08, Hai10, LC12, TCCC13].

Borders [HH99, Day11c]. Boring [Sul05b].


Boundaries [KSSF11]. Boundary [Moy06]. Brain [Dub08a, Gor08b, GIF+12].


Broadening [Slo16]. Browser [SSC18].

Browsing [Day11c]. Bubbles [Smi01a]. Build [DEK03]. Builder [ASM+14].

Building [BDCT05, Den16, Gor07a, Kni05, Maj03, NCM+14, Rou10]. Bundle [Kra03].


C [CNC10, Cot03, EGFL12, GRE99, HC99, PMM+08, RXM12, UZC+12, Zak18, Zhe16].

C-to-CUDA [UZC+12]. Caching [PE09].

Calculating [RLHGA+13]. Calculations [Eis17, Kyr08, WOAEAG10, dKAY00].

Calculators [Got02a]. Call [Ano13a, Ano14d, Ano14a, Ano14b, Ano14c].


Computability [Lau02]. Computation [Bai05, BC99, BSD07, Cho09a, Cho12, CS01a, Day07a, HLS+16, Hu07, Kar99, Kin16, Kir03, KRH+99, LG10, Liu11, Mei10, Ott16, PBSS14, PS02, Raf16, Re10, SCC18, SJDV09, Ste00, Sul99b, TFF05, TB99, Win06, YMK11, vdWVC11]. Computation-Based [HLS+16]. Computational [Aya07, Aya14, BAC07, BW14, BERT09, CK09, CL14, Car09a, Car12, CE14, CHC17, CB02, CG09, Cyb99a, DSPY05, Da99, Das00, Dav12, Day06b, Day11b, Day12a,
DV99, DL00, DM12, DPG+12, DMR+09, DG12, Ebr10, EI11, FG01, Fox02a, FKSS08, FWGB07, GC00, GPL09, Gor10, GCV08, Gor13, Got14b, HS03, HL01, Hin15a, Hin15b, Hin17c, HG00, HPMJ12, HMB+14, JHJO1, KLS01, KHS09, KSP12, KSMM+17, KLMS99, Lan04, Lan06, LC09, LPB13, LPB15, LHN+12, LWS07, LM07b, MM12, Mar17, Mas06, MK10, MB11, MR13, MM14, Mem02, MS99, MB17, Mes15, Mil17, MS07, Naj08, NL99, O'L06a, Oug03, PARD13, Par12, Pat02, PGH+05, Pos07, Pos09, Pos10, PG17, Ric99, Roo06, Run00, RF12, SH10, SBH+00, Sch15, Sch17b, SM17, SGA03, SDD+08, ST08, Sim13.

Computational [SV14, SK01, SR13, SMC01, STB03, SMS15, Sul03a, Sul04a, TGP+06, TB11, TK06, Tes15, Tha14, Thi02, TB04, Thi09a, THL10, Thi13a, Thi15c, TX08, TS10, THGS07, TP04, TM00, Tur14a, VGD+11, Vir16, VSE01, WPW11, WM00, Wep08, WL09, WCH12, YRT+00, YML16, YMI14, Yas17a, Day12e, PAN+16a, PNL+16].

Computationally [Sch07]. Computations [DM04, DKK05, FS12, Ful06, GBDW04, PE09, SKC00, VCvdG+09]. Compute [Day09b, HRWS06, Has08, HRRS09, Sul06a].

Computer [AAGH17a, AAGH17b, Ano13i, Ano13h, Ano14z, Ano14-29, Ano14w, Ano14-27, Ano14y, Ano14x, Ano14-28, Ano15x, Ano15y, Ano15z, Ano15-27, Ano16t, Ano16q, Ano16u, Ano16r, Ano16z, Ano16v, Ano16a, Ano16s, Ano16-27, Ano16w, Ano16c, Ano16x, Ano16p, Ano16m, Ano16y, Ano17a, Ano17o, Ano17k, Ano17i, Ano17m, Ano17p, Ano17n, Ano17-31, Ano18b, Ass00, BMP+06, BT10b, Boh00, CF99a, CS007, Day17a, Dec15, FL99, FM02, FG09, Gig00, Gor08b, GH00, HHR02, HT99, Jav12, JS99, Kad04, KS00, KS13, KPD+99, KPW15, Les16, Lew02b, LWT+13, LPV00, Los03, MTT17, MB99, New00, OW01, O’L06b, PKST08a, PKST08b, PKST08c, PR01, Run06, Ree16, Saa09, SW10, Sca16, Sch14, Sch15, SS06, Shi01b, Slo16, TS02, Tre99, Var08].

Computer [Vla12, WCP17, dKCY00, Mat05, Wil01, Sy13]. Computer-Aided [Ass00, Day17a, Gig00, JS99, Lew02b].

Computer-Based [KBPW15].

Computer-Guided [BT10b].

Computer-Simulated [Tre99].

Computers [Ano15b, Bal17, CL01, Cra03, Cref99, Day12d, Day16b, Dun09, FHM09, GS13b, JT01, PSA14, SDA+14].

Computing [AMS14, Ano13b, Ano17c, Bak10, BFF12, Bal15, Bal99, BT17, BCH+09, BMC99, BS99b, BS99a, BS00b, BS00b, BS08, BST+06, BCC+09, Biz16, BT01, Bog05, BC05a, BC05b, BCJK99, BB01, BHC+15, Bry11, CR15, CF99b, CN03, Che15, Che16, Che17b, CHJC05, Cho06d, Cho06g, CNC10, CG09, CT00, Cyb02, DD05, Dan99, DCW07, Day06a, Day07c, Day13b, Day14e, Day17d, Den16, DMXR+14, DW01, DSS05, DTL+17, DRR+04, DKWL17, EDJ+10, EHG01, FKS15, FLV+09, FM13, For00, FG01, Fox01, Fox02b, Fox03b, Fox03c, Fra02, FPRK16, GHT+10, GR508, GHK+08, Gor05a, Gor06a, Gor07b, Gor07d, Got06, GS13a, Got14a, Got15, Got16, Got17, Gro09, HP14a, HP14b, HLWR17, HC99, HRAB05, HJLH03, HB08, HG+08, Hig04, Hin17b, Hin18, HG02, HP04, HPMJ12, How12, HJ16, JR10, JCC+10, Job12].

Computing [JPMG08, KM99, KT08, Kel10, KSB07, KTG08, Kin09, KWB+10, KT11, Kin12, KS13, KILZ13, Kup03, KBLD08, LMPV13, LM08, Lat16, LUMM14, Lew02c, Lew02a, LZZ17, LAY04, LUN01, MP09, MWE08, MR06, MMT17, Mes17, MMG08, MKM+14, Muc09, MSD10, NC03, Nob00a, Oli07, Osk07, PGF+15, Pap16, PA12, PLW17, PG07, PGH11, Pos11, Pos13, Rag07, RVG+10, SA08a, SA08b, SBZ+08, SBB+15, SKC02, Sha14, SES+11, SL99, SOH13, SMI00a, SMI16, SKA+02, SS09, SLM12, Sto12, SGS10, Str10, ST99, Sul09a, Sza11,
Ter11, Thi05, Thi09b, TP13, Tho99a, Tho99b, Tho00, Tho01, Ts414, VB08, VGD+11, VM15, WCCG08, WCAL14, WG15, WR00, WR16, YLZ17, ZFS12, ZGR+17, ZAF+01, Beh05, Ano03, Ano05a, Ano12b, Ano13g, Ano14v, Ano15w, Ano16l, Ano16-30.

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Coprocessors [BHC+15].

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Courses [Cho06d, Ful06, GL08, Pes03, Win06].

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CPU [Lan04].

CPUs [Alt10, AAAH+16, WJLY08].

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Deblurring [CO15, NO03]. Debris [JJ15]. Debt [Hin15b]. Debugging [HMB*14].
[WW17]. Decomposition [FSED10, SCW*17]. Decompositional
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[NSLD99, Hsu06]. Defect [LWT*13]. Defense [HG02, OLS10, Pos07, PS17].
[SB00]. Deformations [YCKK03]. Deformed [CCPS12]. Degeneracy [Bei02].
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[Wep08]. Derived [PMM*08]. Derminant
[BS00b]. Description [FMF14].
Descriptions [Eng09]. Deserve [An016s]. Design
[Cho08g, DAKM16, Don03, For01, Fra07, Gor06a, Ikk16, Jer13, JS99, KB07, Kwa17, 
Le09, Lun01, MSS09, NRG*17, PAN*16b, SNCM16, She07, TJ14, WW17, WQT*16].
Designing [DD07, Dub02, GW15, SGW02, WZS*10, ZFS12]. Designs
[FMB*07, SW10]. Desktop [PR01, TS02].
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[BS00b]. Deterministic
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[JWLG14, KB09, KB04, RRAB06, WD06, YBD10]. Development
[ABC*14, BW14, CAS*07, DGK16, Fox04b, Gyu99, Hin13c, KMSH10, KVP*16, Lau08, 
MBB*09, NCM*14, Pos14, PBD*11, STWK15, SHPL12, SPJ*14, MMG*05].
Developments [SS06]. Device [HRRS09]. Devices [KL10, YLZ17, Zhu02]. DEVS
[Zei17]. DFT [Lew10]. Diagnosing
[DRA11]. Diagnosis [Gil00]. Diagnostic
[WZS*10]. Diamond [CJ16].
Diamond-Like [CJ16]. Dictionary
[WLL*14]. Did [TL08a]. Diego [LC09].
Difference [Bar11, SMI01b, UZC*12].
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[GW09, JWEK06, JHJ01, Lud13, 
MSL*07, MW14]. Difficult [Hin15a].
Diffraction [Tre99]. Diffuse [SGA03].
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[Thi12b]. Digital [An013d, An014e, An014f, An014g, An014h, Cho08c, Gar06, Gor05b, 
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[ARO*11, GYL*17, No00b, SL03, Vor01a, 
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[CN03, GWMG04, HKW03, Maj03, MB99, 
NC03, Shn06, SR13, dSRT16].
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[Lew02b]. Direct
[Bet99, CCSS08, HSG03, O′L05c]. Directed
[PL02]. Directed-Energy
[PL02]. Direction [OM03]. Direction-of-Arrival
[OM03]. Directions [DSSS05]. Directives
[BBG*01]. Disaster [WPM*12]. Disasters
[FCT*10]. Disbelief
[Sal01d]. Disciplinary
[Biz16, PV00]. Disciplines
[Cyb00b].
Discourage [Bot16]. Discovering
[MSM13]. Discovery [CJ16, ESO08, 
JWLG14, LN01, SSP06, WTE14, TCD*14].
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[HNC08]. Dispersion [PAF08]. Display
[Tho08]. Displays
[WJ04]. Dissemination
[MK10]. Dissimilar
[Has12]. Dissipation
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DLR [ERS+03].

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DO [Day12f, Bar11, Day10b, Deb18, Has08, Lew00a, Rag06, SHPL12, Sul09a, Thi13d].

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Dream [DG12, Hin17b, Sic09].

Drinking [Tha09a].

Driven [Cas16, Col18, Läu08, NCM+14, PCY14, PGH+05].

Droplets [YYZ04].

Drugs [BW01].

Drug [Lun01, Sch99].

Easier [Day12].

Easy [Dub08c, Sul02a, Tho99c, Vor01b].

Eau [Smi99b].

EC2 [JRD+13].

ECG [WGJ16].

Eclipse [WD06].

EcoG [SES+11].

Ecological [GYF+10].

Economist [Fla17].

Economy [Wes03].

Ecoregion [HH99].

Ecosystem [DBCN03, PGH11, WCGB05].

Eddy [DSJ313, YWMM04].

Eden [SOH13].

Edge [KSSF11].

Edition [Dub04, Seg99].

Editor [Ano07, Cyb99b, Sul99a, Ale13, MF16, NLV99, Asr04, Ber99, Cho03, Cyb99a, Dub07e, Dun09, Eth01, Got06, Kar02, Kax01, Kup03, MS99, Pos04a, Pos04b, Pos07, Run00, Run05, Sul09a, Win06].

Editor-in-Chief [Cyb99a].

Editorial [GS13a, HP14b].

Editors [CBB00a, Cyb99c, Cyb00b, Kal09, Kii99, MBS+00, MHDM99, Sul99b, Sul00c, Sul00b, Sul00a, BC05a, AM15, Ano04b, BC99, BS06a, BC05b, CE14, CN03, C207, CLZ13, Cho05c, Cho05d, CF13, Cyb00c, CS01b, DS00, FC09, FF03, For16b, HP14a, HS03].
HG02, HP04, KS02, MR06, Men15, NC03, NL99, PT14, PV00, PS02, RC01, SS02, Sul01a, Sul01b, Sul03b, Sul03c, Sul03d, Sul03e, Sul04a, Sul04b, Sul04c, Sul04d, Sul04e, TA05, TX07, Thi05, TB99, TP04, TM00, VP04, VN99, Wai16, WR00.

**Education** [Ano16c, Ano16d, Ano17b, Ass00, Bac07a, Bei12d, BB06, BERT09, But99, Day06b, Don99, FGP99, Gor13, HL00, Hu07, JHJ01, JPMG08, KMB08, Lan06, LM08, Mar17, Mas06, MS07, PMK08, Roo06, SDD08, Thi12a, TX08, TMC13, Tre99, YRT00, YMLJ06].

**Educational Effect** [Chr99, MHDM99].

**Eect** [Chr99, Don02, KS06].

**Eective** [PTML11, SNCM16, TS02].

**Eectively** [Luo13].

**Eects** [ZMM03].

**Eciency** [MM16].

**Ecient** [CLC03, Hoe10, RK05, SH10, SSP06, SES11, Yav06, ZJW08, dKCAY00, vdWCV11].

**Eciently** [CPdlF12].

**Eort** [Fom15, Got02b].

**EICs** [SCBT18].

**Eigenpairs** [GBDW04].

**Eigenstates** [Nob02b].

**Eigenvalues** [O'L05a].

**Einstein** [KF03, STTV05].

**EJB** [Lau05, Lau06, LTG07].

**Elastic** [MJAK09].

**Elasticplastic** [O'L04a].

**Electrical** [Ass00].

**Electro** [Roh10].

**Electro-Mechanical** [Roh10].

**Electrocatalytic** [VWP12].

**Electrograms** [SOV+13].

**Electromagnetic** [LFN+11].

**Electromagnetics** [KLS01].

**Electron** [KHC+07].

**Electronic** [BJ02, GBDW04, GS03, Kyr08, Lew99a].

**Electrons** [SDA+14].

**Electrostatic** [CLC03].

**Element** [Bas14, IHL+02, LFC01].

**Elementary** [Ono01].

**Elements** [Ara99, BGHR06, JC02, O'L05g, Pos16].

**Eliciting** [Rao16].

**Elliptic** [Don10].

**Elusive** [Lew01a].

**ELVIS** [Tou03].

**Email** [Day15c].

**Embedded** [JR10, NW15].

**Embraced** [RTS14b].

**Emergencies** [Par16].

**Emerging** [Dec15].

**EMinerals** [BDCT05].

**Empirical** [SCW+17].

**Enscripten** [Zak18].

**Enable** [DAKM16, HC99].

**Enabled** [BDCT05, ESO08, GWA+07, PARD13, SKL10, TGP13, Thi10, VSMD+09, VCGS11].

**Enabling** [Can99, Thi02].

**Enacting** [Smi16].

**End** [FF03, LAY04, Liu11, Mes15, TW17, TFS17, YBD10].

**End-to-End** [YBD10].

**Endless** [Day15b].

**Energy** [AMS14, DGJ+08, Eis17, ECK+15, MB99, PL02, PSA14, SW10, SM17, SPJ+14, SSK02, WGI5, dKCAY00].

**Energy-to-Solution** [Eis17].

**Engagement** [Den16, PBSS14].

**Engine** [GHK+08, SKP+10].

**Engineering** [Ama06, Ana14y, Ana14-49, BT17, BCH+09, BSD07, Bot16, BERT09, Car09a, car09b, Car12, CHHB13, CE14, Car16, CHC17, Cas16, CC03, Col18, DSPY05, Day06a, DMXR+14, Dun09, DST+09, EJ09, ESO08, FLV+09, FM13, GPL09, Gor07c, HEB+11, HLS+16, JRP+17, KSM11, KMM+11, KRH+99, MK11, MK10, Mi10, PARD13, PZJS10, PV00, Pos07, Pos09, Pos10, Pos13, PK15, PAN+16a, PNL+16, PAN+16b, PG17, STWK15, SSK13, SKL10, TB11, Thi15c, TP04, VP04, WL09, YMK11, Ano03, Ano05a, Ano12b, Car09a, CHC17].

**Engineers** [CHHB13, Cho12, MA11, Tho12, Wri10].

**Engines** [Gor07a, MGCBI17, PA12].

**Enhance** [BBN03, BBD+13].

**Enhanced** [HEH+10, MSR+16, Tou01, YKD+03].

**Enhancing** [BNNM04, Den16, PK15, PG17].

**Enrollment** [MMDT+17].

**Ensemble** [GVB15, SCW+17].

**Ensembles** [BH02].

**Enthusiasm** [Sul08a].

**Entrepreneurs** [Lew00c].

**Entropy** [PAF08].

**Enumerations** [Gut01].

**Environment** [Asr04, CAP+10, CAS+07, CS15, GWA+07, GHKZ17, Har04a, Hun07, Ong02, PTML11, Par16, PL02, RPBE12, Shi01a, WQT+16].

**Environmental** [GLS07, MKJ07].

**Environments** [DGR+05, Fox03b, LRRK00, MHK+06, PAN+16a, PNL+16, VSMD+09, Weg00].
Farewell [Bei12b]. Far-Infrared [UGV11].

Fashion [Day17a]. Fast [Ara99, BB07, BS00d, KLMS99, MBS+00, O’L05f, RCrK99, RRAB06, Tho99c, Zak18, Clo15, DR05c, DR05b, DR05a, Don06a, Don06b, RD05a, RD05b].

Fate,Com [Smi99c]. Fault [JRP+17, GGD+05]. Faults [PSR+00]. Feasibility [FPRK16]. Feature [JG12, TNV+02].

Features [Bur99, GvdWT07, PMFM14, Shi01a, Shi03]. Feld [DMXR+14]. Federating [BDS13]. Female [HHZK01a, HHZK01b, ZMM03]. Fields [Ma16, SÜP+11, SV14]. Fifteen [KHS09, Poi10, Shi99].

Filter [Han03, Jav12, SK01]. Filtering [JLew00b, Lew00c, Lew01a, Luo12].

Filtering [Han03, Jav12, Lew00b, Lew00c, Lew01a, Luo12].

Filters [Don06a].

Finnish [Ara99, Bas14, BGHR06, LFC01, NA07, O’L05g, UZC+12, YLR02].

Finite-Difference [UZC+12].

Finite-Element [LFC01]. Finite-Volume [YL02].

FiPy [GWW09]. Fire [Tha08b].

Fires [HMS+00].

Fireworks [Don02]. First [BB06, CHJ05, Day08a, Day14c, HWPS16, Slo16, Car09a].

First-Generation [Slo16].

First-Principles [HWPS16].

First-Principles [HWPS16].

First-Principles [HWPS16].

Fitting [Don10, O’L04b, Rus01a, Rus01b, Rus02, Rus03, SM17, TR08, WS09].

Five [KHS09, Poi10, Shi99].

Fixed-Wing [MM16].

Flexible [DKCL14, GHKR11, KB07, LVLA14].

Flight [ACS15, Sim13].

Floating [Bai05, PPE00, TM14]. Floating-Point [Bai05, TM14]. Flow [CCPS12, FPRK16, Ged16a, GvdWT07, GbF+12, HF04, JMFJ01, KS+12, Ma16, N13, RSC+14, TGEA09, VCGS11, WT12, YWMM04].

Flowers [Sul05b]. Flowfield [HWPS16].

Flowfields [MM04].

Fluid [Ben04, CFC04, JCP14, KSP12, KSM+17, LUMM14, LWSK07, LCY+04, Liu06, MB17, Ork09, SFSK01, SKC05].

Fluid-Structure [LCY+04].

Fluids [Bry99]. Focus [An002b, An141, An14j, An14k, An14m, An15j, An15k, An15l, An17d, EVL+17, For00, For01, Lew00a, Lew00b, Lew00c, Lew01a, Luo12].

Folding [Han03, Jav12, SK01]. Following [O’L06c].

Forecast [Gor07b, SS09]. Forecasting [Lum07, STHR12].

Forecasts [DWC+11, Gan02, KILZ13, ZQY+11].

Forefront [GLS11].

Forests [DBC03].

Forever [Smi99f]. Forgeries [Gor05b].

Form [Yas17b].

Formal [KNKP14].

Formalism [GW15].

Formalism-Based [GW15].

Format [Ben09, Poi10].

Formation [CDKF15, SETK05, SNTL13].

Formats [CY09].

Former [SBCBT18].

Forth [Nob00b].

Fortran [Mul12, CRDO16, DNG07, DY99, Fos17, GRE99, Pad00, PMM+08, Rei03, RMX12].

Fortranning [Mul12].

Forty [WG15].

Forward [Cho05f].

Foster [For99].

Fostering [Tur14a].

Fourier [DR05c, DR05b, DR05a, Don06a, Don06b, RD05a, RD05b, Cor07, Tre99].

FP [DPP+01].

FP-LAPW [DPP+01].

FPGA [BMP+06, BCC+09, HGV+08, NLGNJ13, SDC10, SG10, TJ14].

FPGA-Based [BCC+09, HGV+08, NLGNJ13, SDC10].

FPGAs [AAAH+16].

Fractal [AR0+11].

Fracture [BP99, Han05, RK99, VN99].
VKN99, XHL+13. Frame [Wil01]. Framework [CBB06, DL00, EP10, GBDW04, GYL+17, GRS08, GS+12, HC17, Ikk16, KRR+12, KSM+17, LVLA14, McK11, RPBE12, RPEB14, SBB+15, SNCT13, Sto09, VCGS11, ZFS12, HDB+04]. Frameworks [HMB+14]. Frankenstein [Sul03c]. Free [Shi00c, THGS07, XKG05, dKCA00]. Frameworks [HMB+14]. Frankenstein [Sul03c]. Free [Shi00c, THGS07, XKG05, dKCA00]. Frame [Wil01].

Framework [CBB06, DL00, EP10, GBDW04, GYL+17, GRS08, GS+12, HC17, Ikk16, KRR+12, KSM+17, LVLA14, McK11, RPBE12, RPEB14, SBB+15, SNCT13, Sto09, VCGS11, ZFS12, HDB+04]. Frameworks [HMB+14].

Free-Energy [dKCA00]. Freedom [Ano15-44, Lew00b]. Frequency [CPdlF+12, PAN+16b]. Frequency-Domain [CPdlF+12]. Fresnel [Tre99]. Friendship [Sim13]. Front [Ano13f, Ano14r, Ano14p, Ano14q, Ano14r, Ano14s, Ano15m, Ano15n, Ano15o, Ano15p, Ano15q, Ano16f, Ano16g, Ano16h, Ano16i, Ano16j, Ano17f, Ano17g, Ano17h, Ano18a, SG10]. Front-Side [SG10]. Frontier [Kus07].

Frontiers [HP14b, HJLE03, Pos04a, Pos04b]. Full [Nob02a]. Fullerenes [SMC01]. Fun [Day11e]. Function [BHC+08, Don10, KEF07, NSR10, Rus01a]. Functional [GW15, Hin09, Kar99, LT09, MB07]. Functions [LTD11, MAC08, Rs01b, Rus02, Rus03, Tho99b, Tho00]. Fusion [ECK+15, Ma16, TWE14, SMM+11].

Future [AHL+11, Bec15, Cho07c, Cho08b, Dau99, Day06c, Day12a, DISS05, Dub07f, Dub07d, EKLY07, Got15, Got16, Hin13b, LVWK02, Mar17, Pos11, Rei03, SP15, Smi00d, Sul04f, Thi11a, Thi13a, Thi15a, Thi15b, TW03, Zha11]. FutureGrid [JRD+13]. Fuzzy [CS01a, DKCL14, Fra07, GYF+10]. Fuzzy-Neural [Fra07]. FVTG [SWB00].


Gismo [BCA+00]. Glacier [BZL+07]. Glass [YZZ04]. Glasses [BHKW03, DCC10]. Glast [BCA+00]. Glimpse [Hin13b]. Global [BB07, BBM+15, CNO99, ECK+15, KE05, LAY04, MRNT17, SI10, TR08, TLD02].

[Cha08]. Got [Dub15b]. GPGPU [HKB12]. GPS [Tou02a]. GPU [BFF12, CG09, DJS13, EKCS12, FKB+13, FPDK16, Gra09, Kel10, MMG08, SES+11, TGP13, VGD+11, Wei11, WCH12].

GPU-Accelerated [FPDK16]. GPU-Based [WCH12]. GPU-Enabled [TGP13]. GPU.js [SSC18]. GPULib [MMG08]. GPUs [Ale15, Kin12, SSC18].

Grabbers [Wil01]. Graders [Ste14]. Gradients [Tof09b]. Grading [KC09a, KC09b, KC09c]. Graduate [GN08, LC09]. Grain [Bil00]. Grande [Fox03d, WSC04]. Granular [Saa09]. GRAPE [Mak06]. Graph [Coh09, HB08, Wan18]. Graph-Based [Wan18]. Graphical [ATRA00, CO15, UM08, WOAEAG10]. Graphicality [Clo15].


Grids [BB07, CCJ04, FG01, Gor07d, GWA+07, HF04, SYP08, YLCZ05, BC05a, BC05b, BDCT05, CHJC05, Fox03b, Fox03a, Ford07b, JRD+13, Zhn02]. Grid-Enabled [GWA+07, BDCT05]. Gridlock [FLV+09].

Heads [Cho05a, Cho05b, Cho05c, Cho05d, Cho05e, For02, JRP+17, LGW+17, MR13].

Heating [CJ16]. Health [Day13c]. Hearing [Gio02]. Heart [ZB04]. Heart-Rate [ZB04]. Heartbeat [HMA00]. Hearted [Bar12].


Here [MM13]. Heterogeneity [BB+13]. Heterogeneous [Bak10, CR15, MSB+14, Sch15, SGS10, TFF05, VGD+11, YB12, GGD+05].

Heuristics [Boe00]. Hewlett [Got02a]. Hidden [Bal17]. Hierarchical [BZL+07, YB12, Po10]. High [AAGH17a, AAGH17b, AMS14, Bai05].

Bak10, BCC+09, CN03, DD05, DCWH07, DWC+11, DGJ+08, DSS05, EDJ+10, EHG01, FHM99, Got02b, HC99, HB08, HKW03, HG02, HP04, HEH+10, JPMG08, JPK01, KTG08, KWB+10, KT11, KBLD08, Lan02, LM08, Lat16, LAY04, Liu11, Mes15, MMG08, MCC+16, MB99, MBB+09, NC03, NS09, NL99, PT14, PV00, PS02, Pos04a, Pos04b, Pos07, RC01, Run00, RM05, SS02, Su09a, TA05, TX07, Thi05, TB09, TP04, TM00, VP04, VN99, Wai16, WR00, Win06]. GUI [OASFLAB09]. Guide [KL15, Lew10, Pek04, Tsa14]. Guided [BT10, DiP18b, JT01, VVL+11, ZFS12].

Guides [Sch01]. Guiding [Bur18]. GV [LGW+17]. Gyrokinetic [ECK+15].
PGF+15, Pap16, PSA14, Rag06, Rao16, SW10, SBD+08, SDA+14, SBB+15, SKC02, STG11, Shi09, Shn06, SL99, SOH13, SR12, SR13, SJDV09, SS09, Str10, TAM+14, VM15, Vi08, YBBP15, ZMM03, ZQY+11, dSRT16.

High-Density [ZMM03].

High-Dimensional [CN03, HKW03, MB99, NC03, Shn06, SR13, dSRT16].

High-Dimensionality [Vil08].

High-End [LAY04, Liu11, Mes15].

High-Energy [AMS14, DGJ+08].

High-Fidelity [HEH+10].

High-Impact [STG11].

High-Level [MMG08, Rag06].

High-Performance [AMS14, Bak10, BCC+09, DD05, DCWH07, DSSS05, EDJ+10, EHG01, FH99, HC99, HB08, HP04, JPK01, KTG08, KWB+10, KT11, KBLD08, LM08, Lat16, PGF+15, Pap16, PSA14, SW10, SBD+08, SDA+14, SBB+15, SKC02, SOH13, SJDV09, SS09, Str10, VM15, YBBP15, SL99].

High-Precision [Bai05].

High-Productivity [MBB+09].

High-Resolution [DWC+11, Lau02, TAM+14, ZQY+11].

High-Risk [Rao16].

High-Speed [SR12].

High-Throughput [MWC+16].

Higher [Pie04, SUP+11, SSG16].

Higher-Order [Pie04, SUP+11, SSG16].

Highly [HF04].

Hike [Lau05, Lau06, LTG07].

Hilbert [NA07].

Hip [XHL+13].

HiQ [Shi99].

Hire [Day14f].

History [Mar17, Wil08].

Hit [Tou03].

Hodge [JG13].

Holograms [HRWS06].

Holographic [Toh08].

Holography [Sic09].

Home [Kra03, Kra15, Thi06].

Homework [Ben00, O’L06e, O’L07b].

Hood [O’L06b].

Hopes [Got02b].

Hopkins [KBLE15].

Horizon [Cho05b].

Horizons [BMC99].

Hose [Tha08b].

Hosting [Thi07].

Hot [Ano14t, Ano17-40].


How-to [Lew10].

HPC [CHC17, Bor02, GDDR16, Hem10, Hoe10, HMB+14, KVP+16, KVP+17, SSK13].

HPCMP [HLS+16, HWPS16, KPA+16, LGW+17, WQT+16].

HPJava [CF03].

Hubble [Chr15].

HUBzero [MK10].

Hulls [Muc09].

Human [Ano15-44, DL00, Gor08b, LCY08, PBSS14, TGP+06, YCL05, YCZ07, ZB04].

Humanitarian [MSB+14].

Hundred [Sul05b].

Hurdles [Got02b].

Hurricane [DWC+11, WZZ11, Zha11, ZQY+11].

HWRFx [ZQY+11].

Hybrid [CL14, FGR+07, FGRS17, Gaa03, Gan02, LVLA14].

Hydraulic [FGR+07].

Hydrodynamic [WQT+16].

Hydrodynamics [KSM+17, MSS09, Owe01].

Hydrogen [SSK02].

Hyperbolic [LeV09].

Hyperspectral [DM12].

Hypotheses [GP15, Rus01b].

Hysteresis [KPD+99].

I-V [Azo06].

Ianus [BMP+06].

Ice [THGS07].

Ice-Free [THGS07].

ICTvDB [BO03].

Ideal [Smii0a].

Identification [CPdpF+12].

Identifying [BH02, EUD15].

IDL [Gal11].

IEEE [Ano16b, Ano17-31, Ano13g, Ano13i, Ano13h, Ano13j, Ano14v, Ano14u, Ano14z, Ano14-29, Ano14w, Ano14-27, Ano14y, Ano14x, Ano14-28, Ano14-31, Ano14-30, Ano15w, Ano15x, Ano15y, Ano15z,
Ano15-27, Ano15-35, Ano15-36, Ano16l, Ano16t, Ano16q, Ano16r, Ano16z, Ano16v, Ano16n, Ano17o, Ano16w, Ano16o, Ano16x, Ano16p, Ano16m, Ano16y, Ano16-27, Ano16-28, Ano16-29, Ano16-30, Ano17o, Ano17j, Ano17k, Ano17l, Ano17m, Ano17p, Ano17n, Ano18b. IEEE-CS [Ano16b]. Ignition [Ged16b, LBS14]. II [BC05b, DR05a, Lau06, LT09, Mal07b, Pos04b, RTSS14b, Rus01b, SA08b]. III [LTG07, Rus02, RD05a]. IK [WLL+14]. IK-SVD [WLL+14]. Illuminating [DRR+04, Ged16b]. Illumination [BB07, Dac16]. Illustrator [Tof08, Tof09a, Tof09b]. Image [CO15, CS11, Eng15, FSED10, FKB+13, KSSF11, LFC01, MP09, NO03, PL07, Pey11c, Van12, VWL+11, ZFS12]. Image-Based [LFC01]. Image-Guided [VWL+11, ZFS12]. Imagination [Wil01]. Images [Day15a, Gig00, GMPR11, JG12, MFD+09, YWC02]. Imaging [JT01, MJA09, MB07, QPCJ07, UGV11]. Immune [KS00]. Immunology [Cyb99b]. Impact [CR15, Day08a, ECK+15, GWGM04, Ree16, Sch15, STG11, Van12]. Imperfect [Day16d]. Implementation [MVUSK14, SCW+17, TLD02]. Implemented [Nai08]. Implementing [GEH+99, GDDR16, Joh06, ZFS12]. Implicit [RSC+14]. Importance [BS99b, Fox02c, PCY14]. Importance-Driven [PCY14]. Important [Day07c]. Impress [Nai15]. Improve [Eis17, STG11, WJO4). Improvement [MBH14]. Improving [CJTH+13, Gan02, KL07, MM16, SMM+11, SNCT13, YLZ17, ZQY+11]. In-Socket [SG10]. Included [Dub07c]. Inclusion [Leu17]. Inclusive [Deb18]. Income [Slo16]. Incompressible [DJS13, DGK16]. Increase [MMTD+17]. Incremental [Roo06, WLL+14]. Independent [EP10]. Index [Ano99, Ano00a, Ano01, Ano02a, Ano03, Ano04a, Ano05a, Ano06, Ano08, Ano09a, Ano11c]. Indifferent [Sul04b]. Individual [Biz16]. Individuals [Oli13]. Indoor [KLMS99]. Induced [FCT+10, KNKP14]. Industrial [Das00, Mil10]. Industry [Ano14t, Bea00, Bet99, Fei05, Gyu99, Haa99, WLCD01, YAA+07]. Infection [O'L04c, O'L04d]. Influence [AM05, DKWL17]. Influences [JH16, Sca16]. Inform [DBC03]. Informatics [DBC03, GKG+15, Liu15, MSM13]. Information [Ano13i, Ano14-29, Ano18b, BBN03, BCL03, Cha08, Che10, FL99, Fox02a, Fox03c, Ged16a, Kal99, KNV03, MO03, SMM02, Pok04, TW17, ZS07, ZYKG04, SMM+11]. Information-Theoretic [KNV03, ZS07]. Infrared [ML02, UGV11]. Infrared-Scene [ML02]. Infrastructure [Cyb99b, Got02b, MTG+12, Got15, Got16]. infrastructures [SBS15]. Initial [LTD11]. Initialization [WZZ1]. Inner [YZC+13]. Innovating [Goo17]. Innovation [McM09, Mil17, PG17, SSSK13]. Innovative [For99]. Inputting [FSED10]. Insights [Ano14t, Mal07a]. Inspired [For00, Gor08b]. Instabilities [BW01, ZB04]. Institute [ABC+14, CHH+13, MMG+05, Par12]. Institutional [Biz16]. Instruction [CL01, CW05b, CW05c]. Instructional [Rec16]. Instrument [DC04]. Instruments [Tou03]. Integer [AB03, Bai00]. Integral [Ama00, Ron14]. Integrals [Ron14]. Integrated [CAP+10, DDV+08, GF04, HKB12, HEH+10, JMELO8, NCB+05, RF00, She07, WQT+16]. Integrating [CF99b, Fox03c, Hu07, MCE+03, YWC02]. Integration [Nan11, Nob00a, O'L04c, Tur15, ZZYNH06]. Integrative [CL01]. Intel [BHC+15, DADY15, HKB12, Rob13].
Sch16, Sil00, Tho99c, XYC+09.

**Mechanism** [Cho08g]. Mechatronics

[Cho03]. **Media** [Day13f, KM99, Sah03].

Mediated [WLC01]. Medical

[CLZ13, Eng15, Gag08c, Luo12, PL07, QPCJ07, TMC+13]. **Medicine** [WR00].

Meep [LFN+11]. Meets

[Bei09c, CT00, Fox02a, Haa99].

**Membership** [Ano13n, Ano13o, Ano14-19, Ano14-40, Ano14-41, Ano14-42, Ano17x, Ano17y, Ano17z, Ano17-27, Ano17-28, Ano17-29, Ano17-30]. Membrane

[FGP99, Wol16]. Membranes [TLR10].

**Memory** [AAAH+16, DPP+01, OL06b, PKST08b, VM15]. Mentoring [Bar11].

**Mercer** [Mar02]. Mercury [MW14].

**Merger** [Smi99e]. Merging [WC17]. Merit

[EV4+17]. Merwin [Ano14-43, Ano17-31].

Mesh [Bry99, LJWC06, MCAA05, NSLD99].

**Mesoscale** [DGR13]. Mesoscale [DGR+05].

**Message** [BBG+01, Fox02b, Vin12].

**Messages** [Bau08]. Metadata [Fox03a].

Metal [KLS01, WM00]. Metaphysics

[Cho07a]. Method [Ama06, Bas14, BS06b, BGRH06, CL14, CLC03, Fra07, GH00, IHL+02, Nas00, RK05, Rei02, WNZ+17].

Methods

[ATG05, BW06, BS06a, Coo14, Fe00, GS03, GPC08, HMB+14, JSNR11, JHJ01, JS07, OL06c, OL06d, OL06h, Orko9, Oug03, SÖS+00, STB03, TK06, TLD02, Wep08, XBK10, Yax06, YLR02, Seg99]. Metropolis

[BS00c]. Michelson [Ste02].

Microanatomy [DZW+05]. Microbiology

[Nai15]. Micromagnetic [Zhu16].

Micromap [WCC+02]. Microprocessor

[WL08]. Microscopy [SRM+07].

Microsoft [Smi99e]. Microstructural

[BP99]. Microstructure [CBS14].

Microstructures [LFC01]. Microwave

[BCK99, BKK15, CPdlF+12]. Middle

[Les16, Sca16, Thi02]. Migrating [TSKG03].

Millenium [ZAF+01]. Millennium

[Cyb00c]. Millisecond [Fox04b]. Mills
Molecular-Dynamics [NKV99].
Molecular-Scale [Rei02].
Molecul [Mar99a].
Money [SW10].
Monitoring [KNKP14, VVNV18].
Monotonically [GF04].
Monte [AMA06, BS06a, BS06b, BSO07, DCC10, Day13c, Eng09, EKCS12, Fe00, GH00, LSDP+04, Lui06, Nob02a, OASFLAB09, Ork09, PPE00, SG00, SU17, VWP12].
MOOC [Kra15].
Moon [LAN02, MM14].
Moore [FLA17, FF03, GAR17, MEI03, TW17, TFS17, WES03, Morley [Ste02].
Morphogenesis [MHK+06].
mOSAIC [JCPS14].
Motion [JRP+17, VWL+11, YZC+13].
Motions [BHKW03].
Motivation [MM12].
Motors [Cho08g].
Mountains [JJZC10].
Mouse [ERS+03, SRM+07].
Mouth [GMPR11].
Mouth-Structure [GMPR11].
Movable [And11].
Movement [DL00].
Movie [Kra03].
MPI [CNC10, Ong02].
MPPs [DSSS05].
Mr [Day09b, Smi00b].
MRI [HMA00, MWC+16].
MRICloud [MWC+16].
MRS [Smi00b].
Multi [Ano16-47, Ano16-48].
Multiagent [Ano16-48].
Multiagents [Naj08].
Multicanonical [GH00].
Multicellular [CAS+07].
Multicharacterization [ALH15].
Multicomputers [SWPB00].
Multicore [Gor07e, KM12, WJLY08].
Multics [MKM+14].
Multidimensional [HW15, NSP12, OL04e, SKNV03, YKD+03].
Multigrid [BW06, BGR06, Fal06, MR06, OL06d, OLO6h, Yay06].
Multilevel [PLW17].
Multimedia [EGFL12, Shi00c].
Multimillion [BW14].
Multimillion-Line [BW14].
Multimodal [LPB13].
Multimodel [SPJ+14].
Multipart [Ben00].
Multiphase [FPRK16].
Multiphase-Flow [FPRK16].
Multiphysics [Gra08a, GZC14, KVP+16, KVP+17, TA05].
Multiple [Bea00, DKWL17, Kus06a, Smi03].
Multiple-Choice [Bea00].
Multiple-Precision [Smi03].
Multiple-Scales [Kus06a].
Multipole [BS00d, MBS+00].
Multiscale [BPH+13, FMKS08, GZC14, GNB+09, Hym05, HHL+02, LVI14, MACA05, NBK+01, PAF08, Pey11b, NICT13, SFSK01, SKC05, XKG05].
Multisensory [Har04a, Lo03, Rob04].
Multitask [GVB15].
Multitask [TSK+03].
Multithreaded [SZM+13].
Multivariate [AMCH07, DH12, HH99, JME10, Liu15, SETK05].
Multiyear [JH16, Wol16].
Muscle [YCZ07].
Muscles [Roh10].
Musings [Cho07a].
My [Bei12c, Ben09, Day06b, Day10c, Day10d, Day14c, MM14, TL08a, Toh08].
myComputer [Ano13p].
myCS [Ano17w].
MyDB [LT08].
N [Mol12].
Naked [LAN08].
Nallatech [SG10].
nanobiological [MKM+08].
nanohub.org [KMB+08].
Nanoparticles [KLS01].
nanophotonics [BVB+07].
Nanoscale [SKL10].
nanoscience [RC01].
Nanoscopic [Kyr08].
nanostructured [KNG10].
nanosystems [NBK+01].
nanotechnology [KMB+08, RC01, SMC01].
nanotubes [SMC01].
NASA [DM12, LAY04].
Naval [PAN+16b].
National [LBS14, Tou03].
nature [NTW07, Run03, Rus01a, Rus01b, Rus02, Rus03].
NCS [MR13].
Navy [MSP+16].
Naval [PAN+16b].

Necessary [Toh07].
Necessity [Hem10].
Need [Day14e].
Needed [Ano15-37].
Needs [HG02, TH13d].
NEEShub [HEB+11]. Negative [Bot16].
Negotiations [BFS04]. NEMO [KL10].
Nene [KPM10]. NERSC
[BKK15, ECK+15, YBBP15]. Nerve
[Has08]. NEM [MSR+16]. Nest [Dub05c].
Network [Cas16, NCB+05, Put16, ZGR+17, ZYKH06]. Networking
[ALH15, BMC99, Hoe10, Thi06].

Object [BJ02, Fox02c, GRE99, TSKG03, YaL10].
Object-Oriented [BJ02]. Objects [And11, Laiu08, RMX12, To09b, To05].
Observe [Shi00a]. Observations [The03].
Observatories [BHF+08]. Observatory
[Run05]. Observer [Shi02b]. Obtaining
[Azu06]. Occasion [Pre09]. Ocean
[BHF+08, WHM+02]. oceanographic
[IK05]. off [NLV99]. Office [MWE08]. offs
[PSTK08c]. Oh [Sul02d]. OK [Day11f].
Olfactory [WJ04]. Olive [Oli00a].
OMEN [KL10]. Once [Sni01a].
One [Ano17-29, Ano17-30, Bar11, BOS07, Day11b, Dub15b, Will16].
Online [Ano15e, COS+15, GDDR16, Mar02]. Only
[Sni99b]. Ongoing [Sul01a]. OOF [LFC01].
Open [ABC+14, AM15, BCB07, CC03, CBB06, KBLE15, Owe01, Thi12a, JRD+13, LFN+11, PFG+15].
Open-Source
[CC03, CBB06, Owe01]. OpenCL
[Di14, PCY14, RGD13, SGS10]. OpenGL
[XYC05]. Open [DiD03]. OpenMM
[EP10]. OpenMP [BST+13].
OpenOffice.org [DiD03]. OpenPNM
[Put16]. OpenSees [McK11]. Operation
[BDCT05]. Opportunities
[DPG+12, EUD15, GPL09, LM07b, TGP13, VM15, WPW11, WCP17, THGS07].
Optical [GBP11, HO099, HJLH03, SGA03, ZMM03]. Optical-Disk [ZMM03].
SBB+15, SKC02, SOH13, SR12, SJDV09, SS09, Str10, VM15, YBBP15, Zei17, SL99.

Performance-Optimization [SR12].

Performant [HLRW17]. Periodic [Pos16].

Permanent [Gor07d].

Permeation [TLR10]. Persistence [DKWL17, JH16, TL04a]. Person [Bar11, O’L04c].

Perspective [Ben04, BERT09, CSS00, CMN00, Deb18, Fla17, Ja00, MDK16, Ric99, SPW+13, YRT+00, Wep15].

Pervasive [Ano16-39, Day17d]. Petaflap [GIF+12, LSV07].

Petaops [Day10d].

Petascale [CDKF15, DW01, Dun09, DST+09, GHT+10, GPL09, Gre09, Kog09, YMK11].

pF3D [LBS14].

Phantom [O’L13, WNZ+17].

Phase [BMS99, IBPV03, Lan99, Lun01].

Phenomena [Ebr10, Lan99, Run03].

Phenotype [SRM+07].

Phi [BHC+15].

Photon [SG00].

Photon-Beam [SG00].

Photorealistic [LCY08].

Photosynthetic [Hin17a].

Photovoltaic [KNG10].

Phylogenetic [Rao05].

Phylogeny [Rao16].

Physical [EUD15, Fra02, Lau02, Tie16].

Physicists [Far99, Mer02].

Physics [AMS14, Aya07, Aya14, Bäc07a, BCB07, BT10b, CF09b, CYW01, Cho06d, Cho09a, CSS00, DLB+07, DAKM16, DGE+08, Fu06, G03, Gor07d, Got17, Han05, HWPS16, KMSH10, Lau04, Lau06, LG10, LPB13, Liu11, MCA05, Mar17, Mas06, Par12, Pat02, Raf16, Ran06, Roo06, Sch15, Sch17b, TK06, TNV+02, Tow09, Tur14b, Win06, Zak18, Wep15].

Physics-Based [CF09b, CYW01, DAKM16, HWPS16, KMSH10, Raf16, TNV+02].

Physlets [BC03].

PIC [ECK+15].

Picture [Rob06, Sku04].

Pierro [Wep15].

Pipeline [Che03, EWN+13, STG08].

Pitaevskii [STTV05].

Pitch [OS04].

Place [BSD07, Dub04].

Placenta [SRM+07].

Placing [LM07a].

Plan [MKM+14].

Planetarium [Shi02b].

Planetary [SV14].

Planning [Lew99b].

Plans [Che17a, O’L06c, O’L06g].

Plasma [CFA04, LBS14, SJDV09, TWE14].

Plasmas [GPZ+04].

Plate [BL07].

Platforms [Has12].

Play [Bal15, DD05].

PlayStation [KBLD08].

Points [Che17a, O’L06e, O’L06g].

Plasma [CFA04, LBS14, SJDV09, TWE14].

Plasmas [GPZ+04].

Plate [BL07].

Platforms [Has12].

Play [Bal15, DD05].

PlayStation [KBLD08].

Points [Che17a, O’L06e, O’L06g].

Plasma [CFA04, LBS14, SJDV09, TWE14].

Plasmas [GPZ+04].

Plate [BL07].

Platforms [Has12].

Play [Bal15, DD05].

PlayStation [KBLD08].

Points [Che17a, O’L06e, O’L06g].

Plasma [CFA04, LBS14, SJDV09, TWE14].

Plasmas [GPZ+04].

Plate [BL07].

Platforms [Has12].

Play [Bal15, DD05].

PlayStation [KBLD08].

Points [Che17a, O’L06e, O’L06g].

Plasma [CFA04, LBS14, SJDV09, TWE14].

Plasmas [GPZ+04].

Plate [BL07].

Platforms [Has12].


predictability [Mat05]. Predicting [Lew10, MSR+16, SÖS+00]. Prediction [DJ02, LMPV13, LAY04, MKJ07, STG11, VWL+11, WZZ11, WC15, Zha11].

Predictive [Ano16-39, GP15, KS01, WLCD01].

Prefetching [XLLJ04]. Preliminary [JH16]. Prepare [Lat16]. Preparing [Bor02, GPL09, GN08]. Prescriptions [Bal99, BS99b, BS99a, BS00a, BS00b, BT01, CT00, Nob00a, ST99, Tho99a, Tho99b, Tho00, Tho01]. Present [Cho07c].


Primitives [Che03]. Prince [Sny13]. Principal [Nob00a, OMKdSB11]. Principles [Day08a, HWPS16, O’Lo05a].

Printing [Ano15-38, Ano15-39]. Problem [Hah04]. Problem-Solving [ATRA00, Bea00, Bre17, CAS+07, FGP99, GPC08, Kul07, MO03, MHK+06, OM03, Pes03, Smi99a]. Problem-Solving [CAS+07, GPC08, MHK+06]. Problems [Ama00, Bel09b, Ben00, BT10b, Bet99, CLC03, CG09, CS01b, Das00, DV99, DMXR+14, Hym05, JCPs14, LeV09, Naj08, SH10, SAC15, SFSK01, Sul02c, WB03, XBK10]. Process [GPC08, Gyo99, MBH14, RPEB14, WLCD01]. Processes [CBS14, CK09, ReK09, TAM+14, dKCAYO00, Mat05].


Products [Shi00d, Shi00a]. Professional [Tho12]. Program [Bur99, CFA04, CMN00, GCV08, Lan04, OASLAB09, PAN+16a, Vla12, PNL+16].

Programmer [Shi00a, Thi07]. Programmers [Esq11, Sma12]. Programming [AAGH17a, AAGH17b, BBG+01, CF03, CL12, DS12, Dra00, DY99, Dub99, Dub00, Fal09, GRE99, Gra09, GS13b, HC99, HHZK01a, HHZK01a, Hin09, Hin13a, Hin13b, Kar99, LT09, LPV00, LC12, Nas00, PTML11, Rag06, S050, SL09, SB00, SG10, Taj10, YXC05, Wep15]. Programs [BCC+99, CRDO16, Di 14, Dub05b, Dub12, Jos17].

Progress [GF04]. Project [KMSH10, KPA+16, Mak06, NCB+05, Owe01, PSSP15, Thi07, Fom15, KPM10, Mes17]. Projection [MR13, NSP12, Rus03, YCKK03].


Promise [Gor06c, Pos09, Pos10]. Promises [Hin09, LT09]. Promising [Mar17, ZGR+17]. Propagation [LPV00, SA08a, SA08b]. Propellant [HD00]. Properties [Lew10, MJAK09, Osk07, PI16, SÖS+00].

Property [Cyb99c]. Prospectus [Boa17]. Protection [Lew00a]. Protein [Han03, Jav12, Mal07a, Mal07b, SK01, Wol16, WCH12]. Protein-DNA [WCH12].

Protocol [Gal11, LZZ17, Zet17]. Prototypes [Mil17, Pos14]. Prototyping [FMB+07, HD00, LRRK00, PL02, PS17]. Prove [Sul99b]. Provenance [AAH+08, DJ+08, FKSS08, MGD+08, SFC07, ST08].

Provide [Tou01]. Provides [CC99, Rob06, Tou00, Wol16]. Province [GYF+10]. Provision [GHKZ17].


Publish [Thi14]. Publishing [Ano13c, Thi15b].
Pulses [TDB09]. Pulverized [MRKK17].
Pure [LT09]. Purpose [FHMK99, Got06, SSC18]. Pursuit [Sac09].
Putting [LTNNE09, Mar99a, WC15]. PynSol [Top05]. Python [Wep15, APS10, Aya14, BAC07a, BVB07b, Cot03, Day14d, Di 14, DY99, Dub07e, Gre07, GWW09, Hin07, KB07, LFN+11, Lev09, MSL+07, MB07, MA11, MS07, MG07, Oli07, PGH11, Sch17a, Shi07, Sm12, Tie16, TGEA09, VB08, Vir16]. Python-Based [Aya14]. Pythons [Dub05c].

QCD [Mor15]. QPACE [GHK+08]. Quadratures [Bal99]. Qualitative [DKWL17]. Quality [HLS+16, RPEB14, Ste99]. Quantification [XKG05]. Quantify [JJJC10]. Quantity [Fos17]. QuantLib [Vir16]. QuantLib-Python [Vir16]. Quantum [Alec15, BAC07b, BC03, BCB07, Bro06, Cyb02, DCC10, Day07c, EC012, GK+08, OASFLAB09, SDA+14, UM08, VMH05, WOAEG10, WB03]. Quarks [Cre04]. Qubit [Key05, Lew01a]. Queer [Wri16].

Querys [MPP14, OLE14]. Query [AAA16]. Quest [DW01, Mat05]. Questions [Su03]. Quick [Var01b]. Quickhull [Muc09]. Quickly [Muc09]. Quicksort [Ja09].


Radiation [Lew99b, MS09, SG00, VV011, ZFS12]. Radio [KLMS99, PAN+16b]. Radiometers [CP+12]. Radioterapy [LSDP+04].


Reader [CW06, Day14c]. Reading [Day12c, Day12d]. Real [CyW01, ClO15, CC99, EC012, HE05, LC08, PSA14, SBZ+08, VV011, VSG+02, WHM+02, YZZ04, YH05].

Real-Life [HE05]. Real-Time [CyW01, CC99, LC08, PSA14, VV011, WHM+02, YZZ04, YH05, VSG+02]. Realistic [RSC+14, WLC12]. Realistically [KL10]. Reality [TW03, YWC02]. Realizations [LBP15].

Really [Day07c, Day16c]. Reason [Day14c]. Reasons [Poi10]. Reclusive [BC02]. Recognition [AN15f, AN16s, FOdVF+11].


Reduction [GYL+17, SL03, Vl08, Vor01a]. Redux [MHDM99]. Refined [BW06].

Reform [ATG05, Brr99, MCA05, NSLD99]. Reflect [SCBT18]. Reflection [Che09].

Reforms [For99]. Region [KSSSF11, PL07].

Regional-Growing [PL07]. Regional [WC15]. Regions [LM07b, Rao16].

Regression [CT00, GY+17, RPB12, SL03]. Regression-Test [RPB12]. Reinvigorate [TK06]. Related [HEH+10]. Relation [Bai00]. Relational [TSK03]. Relativistic [FMB+07, MW11a, MW11b]. Relevant [BCL03, HC17, MM13]. RELM [STHR12].
Ano15k, Ano15l, Ano17d, Gor07a, KHE13, MGCBI17, VMH05. **Searching**
[Le01a, Pok04, Sch01]. **Seas** [Lew99a]. 
**Second** [Car09b], **Secondary** [FCT+10]. **Secure** [AGC+16]. **Security**
[Ano16-40, PLW17]. **Security&Privacy** [Ano14-30]. See [Bil00, NO03, Sul03a].
**Seeing** [Bro06, Gor08c]. **Seemingly** [Has12]. **Seems** [Yas17b]. **Segmentation**
[GMPR11, PL07, WNZ+17]. **Seismonic** [AMKL04, CL14, HH06]. **Seismology**
[TB11]. **Seizure** [SSG16]. **Selection** [CdDF+12, MGFR+12, Ts08f]. **Self**
[CHHB13, CJ16, KL07]. **Self-Assessment** [Kl07]. **Self-Healing** [CJ16].
**Self-Perceptions** [CHHB13]. **Semantic** [Fox03a, Zhu02]. **Semiconductor**
[Gyu99, KL10]. **Semiconductors** [CHHB13]. **Self-Perceptions** [CJ16, H07].
**Sensitivity** [DRA11, HK09, O’L06f]. **Sensor** [AMKL04]. **Separated** [HF04].
**Sepkoski** [Ome06]. **September** [HPK04]. **Sequel** [BT10a]. **Sequencing**
[Mey99]. **Sequential** [SA08a]. **Sequstration** [TAM+14]. **Series**
[JSNR11, Liu15]. **Server** [Goo17, Nei08, TSFG08, Tha08a, YKD+03].
**Serves** [TS10]. **Service** [Ano14-43, DG+05, Dub07b, GHM+16,
GHKZ17, LZZ17, MF16, MWC+16, WPM+12, DBH+02, Smi99c].
**Service-Based** [WPM+12]. **Service-Oriented** [DG+05, LZZ17].
**Services** [Ano13c, Fox04a, MRU+15, PF04, PGH+05, GGD+05]. **services-based**
[GGD+05]. **Serving** [Dr00]. **Sets** [BCG+99, Don02, Gor06d, GYF+10,
MFD+09, Ste12, Wan18]. **Seventh** [Ste14]. **Several** [Tou02b]. **Sez** [Sul04e]. **SH**
[WQT+16]. **Shadow** [GRE99]. **Shadow-Object** [GRE99]. **Shake** [Bet17].
**Shape** [Gio02, Sul10b]. **Shapes** [Tofo9a, VSG+02]. **Shared**
[BWC01, GCV08]. **Sharing** [Cho07d, DDC04, Van12]. **Shear** [NTW07].
**Shed** [TM15]. **Sheets** [PAF08]. **Ship** [KSM+17, KS06]. **Ships** [Lew99a]. **Shock**
[Ben04, Cyb99a, MSR+16, ST05]. **Shock-Accelerated** [Ben04]. **Shock-Wave**
[ST05]. **Short** [KILZ13, Pek04]. **Short-Term** [KILZ13]. **Should** [Day14f].
**Show** [Gor06c]. **Shrinkage** [Tas00]. **Shunt** [DKCL14]. **SIAM** [BERT09]. **Siechuan**
[GYF+10]. **Side** [SG10]. **Sides** [O’L05f]. **Sierra** [MSR+16, Nds17]. **Signal**
[APS10, CWOL11, FSED10, Kus06b, Pey11a, Pey11b, Pey11c, Tou01]. **Signals**
[Kwa17]. **Signature** [JWLG14]. **Silico** [Han03]. **Silicon** [The03, WLC01].
**SimEvents** [Gra07]. **Simon** [Sny13]. **Simple** [Fox04a, New00, Nob07, Sul02a].
**Simplex** [Nas00]. **Simplicity** [Hin17b, Sul00a]. **Simplified**
[SAC15, SOH13]. **Simplify** [Sh00d]. **Simulate** [Day06c, Kul07]. **Simulated**
[Tre99]. **Simulating** [AGM+00, BCA+00, CPdDF+12, Cr04,
DL00, DLLM04, EKLY07, FGRS17, HMS+00, Ks00, MGCBI17, Par00b, Roh10,
SBH+00, UGV11, WVP12, WSC+04, ZMM03]. **Simulation**
[ASM+14, AM15, BKS15, CDF+04, Cas16, CR15, CYW01, CHC+11, CJTH+13, CSS00,
CBS14, CFCD04, DAKM16, Die12, DH12, Don03, FMKS08, GW15, GSB+12, Got02b,
Gra07, HAB17, HWPS16, HS12, HT99, Hill15, HPK04, HXMC05, Ik116, IBP03,
Jon15, Kado4, KNG10, KBLE15, LSDP+04, LWT+13, Lui06, LL11, MAJAK09, MM04,
Malo7b, MW14, Mki11, Mili0, MGZ00, MM16, NBK+01, NW15, Ork09, Par16,
PV00, PCY14, PI16, Pos04a, Pos04b, Saa09, SA08a, SA08b, SDA+14, SS11, SPJ+14,
Str10, SKC05, TB11, TGP13, TLR10, TAM+14, TL08b, UZC+12, Wai16, WAS+12,
WLC01, Wolo16, YZZ04, YZC+13, YM14, Yas17b, YWMM04, Zei17, ZJW08, ZCXM99,
Simulation-Based [Mil10]. Simulation-Driven [Cas16]. Simulations
[Adl03, AMCH07, Ama00, AMKL04, BMS99, Boe00, CLZ13, CSS00, CDF15, CS14, CS15, DLB+07, DJS13, DDC04, EP10, JKCA05, FPRK16, Ged16a, GL99, GWMG04, GC00, Gb05, GPZ+04, GIF+12, GH00, HHR02, HL00, HSG03, HHF+14, HT99, HEH+10, Jv97, JRP+17, KM99, KSP12, KS00, KMM+11, KPD+99, LBS14, LUMM14, LL13, LVALA14, LCY+04, Mal16, MRU+15, Mal07a, MTG+12, MB99, NKV99, New00, NSLD99, PZJS10, PR01, Raf16, Ral16, RSC+14, S06, Sta03, Ste09, SKL10, TWE14, Tow09, VKN99, YAA+00, YB12, Zhu16, dKCAY00, RF00]. Simulator
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Anonymous:2017:CNE


Anonymous:2017:CWW

Anonymous:2017:FCa


Anonymous:2017:FCb


Anonymous:2017:FC


Anonymous:2017:ICSa


Anonymous:2017:FCc


Anonymous:2017:FCd


Anonymous:2017:FYJ


Anonymous:2017:FC


Anonymous:2017:ICSa
Anonymous:2017:ICSf


Anonymous:2017:ICS


Anonymous:2017:ICSe


Anonymous:2017:Ma

Anonymous. Masthead. Computing in Science and


Anonymous:2017:RMS


Anonymous:2017:TCa


Anonymous:2017:TCb


Anonymous:2017:TCc


Anonymous:2017:TCd


Anonymous:2017:TCe


Anonymous:2017:TC

Anonymous:2017:Ta


Anonymous:2017:Tb


Anonymous:2017:VHW


Anonymous:2018:FCa


Anonymous:2018:ICSa


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