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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: http://www.math.utah.edu/~beebe/
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Title word cross-reference

+ [AJD13, CTW+10], $100 [ZMR+88]. 111 [Bli07a]. 11 [Bli06b]. 2 [AP11, BBT+13, CCF97, CMO+99, GWF98, MD00f, MKFN87, SMWS88, SSOCC01, UIL+06]. 25 [Ang17]. 2 x 2 [Bli96a, Bli07b]. 2
[Abo99a, ASW93, AP10, Ana17-33, AA09, BRL+17, BC87, BBF+98, BGSC85, Ben99, BH16, BA13, Bli88c, BFB+98, BCF+08, BBT+13, BKSS07, Bux05, CD12, CCG+04, CPCS08, Cam17, CCF97, CRB+02, CBB+14, CT09, COK97, CMO+99, DB03, Del99b, DGA+97, DNS+15, Die00, DY09, DWL+92, EHBPG04, Enc14a, FYZ85, FSK07, FD03, FB09, FHKH06, FZ03, FTAT00, GWF98, Ger91, Gir87, GBT+02, GKB89, HPG08, HdlRL+13, HWY16, HTZ+19, Han01, HGMT17, HF07, Hay95b, HJF06, IKMF12, IG98, JWLC18, JAC+08, KK02, KS07, KTA+02, KB88, K14, KSRS13, Kon12, KZC+11, Ku09, KPL17, KDMH17, LaV08, LFV+97, Law99, Lea96a, Lea96d, LJB+13, LYO02, LSQ+12, Mac97a, Mac13, MD99f, MD99e, MD09d, MD00f, MKFN87, MSF07, MGO+16, Mas98, MVWB05, McG93, MFM+16, MSH+08, Mil03, Mun98, NTH02, NINT89]. 3 [NE93, NM08, NF91, NLvLM09, dSNRdSN16, Nur08, PW97, PSX13, PL+16, PJC88, Paq96, PT90, PTR+98, Pie06, PVV+03, PG93, PKJ+07, Red01, RLOW13, RWB+14, RR03, RB00, RDH+02, RT07, RFN89, RBK+13, RGCBO7, SRS91, SPJ99, SS17, SSG95, SBMK20, SB16,

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SMWS88, SRL06, SRDT01, Shn03, SM04, Sim96c, Sin01c, SSCO01, SFL+04, SD99,
Spa16b, SQG+05, SAHK13, Tau11a, TLL+96, TMB+13, THB+90, TH17, US17,
UBS+12, WOF96, WAH+21, WMS92,
WK94, WLL+16, Wea99b, WWV+10, WL88,
WSKY09, Wor96b, WZQ+19, YY16, YCB05,
YZM+11, YYO10, YY99, YWR09,
YBL+12, ZZ05, ZCS+06, aE01, vHdP94. 4
[Bli03e, CMPA18, HLE04, KN07, MD99e,
OWZ17]. 4 [YT85]. 6 [HHLL14]. =
[CTW10]. 2 [AGBC09]. C 1
[CW87, CW88]. D
[RSDP01]. G
[Sch93a]. N
[Gil94, HT98, Sch93a, MG04].
-D [HTZ+19, SBMK20, WAH+21, WZQ+19].
-Dimensional [MG04]. -DOF [HHLL14].
-Draw [SR16]. -Sided [HT98, Sch93a].
-Step [Gil94]. -Year [Ang17].

1 [Arn14a, WS09a]. 1/2D [WW07]. 12-bit
[WWC91]. 17-inch [MD99e]. 19 [Ano20u].
1996 [Lea97d].

2 [Arn14b, Bro82, MD99f, TT84, WS09b,
WW07, WWL+21, YMK+12]. 2-1 [WW07].
2-1/2D [WW07]. 2-D [TT84, WWL+21].
2.0 [MD99f, MD99e, MD99d]. 2000
[MD99d, XPH05]. 2003 [SP04b]. 2007
PGS+08]. 2009 [SR10]. 2010
[Ano10b, Ano10c, DPL+11]. 2011
[OKET12]. 2012 [Kas12a, SKS+13]. 2013
[LZF+14]. 2014 [Ano13b]. 2016 [GCS+18].
2018 [Ano18c]. 2019
[Arn19p, Ano19-39, Ano19-40]. 2020
[Ano20t, Ano20-36, Ano20-37]. 21st
[Ann17, Ano20c]. 240GTX [Ake89].
25-Year [MLJ19]. 2D [WW07].

3 [Bal98c, Bar84, CVC85, CE83, FZY84,
FPT+82, FPI84, HU83, Ike84, LSF83,
LCG83, MITT83, OATO85, RSDP01, TT84].
3-D [Bal98c, Bar84, CVC85, CE83, FZY84,
FPT+82, FPI84, HU83, Ike84, LSF83,
LCG83, MITT83, OATO85, TT84]. 3.0
[MD99d]. 31 [Ano15c]. 3D [PM86]. 3DUI
[FKK+10].

4 [Lea96a, NCO03]. 4.0
[PZD+18, Spa16b, Sto15]. 450-Year-Old
[Abo99b]. 4D [Ake89]. 4D/240GTX
[Ake89].

5 [MD99e]. 64-Bit [GBK89].

7 [MD99f]. 777 [DSW07].

8 [Bar97a]. 8-Bit [Bar97a]. '85
[MZT85a, KR80]. 86 [Gre86a]. 88
[Ano88b, Pea88].

94 [BDHH95]. 95 [Hay96d, IS95]. 96
[Hay96a, Lea97c]. 97
[Bal98b, GH97, JLC98, Lea97d].

A-Changing [Rib98]. A-Desk [STJ+20].
Aboard [Tho02a]. above [WB14].
Abstract [Rou09, SR16, Sin02b, Sin05d,
Sin10a, Sin15a, Sin1b, Zha07].
Abstraction [BWD+19, Sin16e]. Abstracts
[Hay96b, Sin08b]. Academic [PGV20].
Accelerate [IO07]. Accelerated
[FTI86, RNNTD14]. Accelerating
[MSU+16, RAPL98]. Acceleration
[JAPF07]. Accelerator
[HG86, MD99d, MQR99, RLV+16].
Accelerators [JAC+08, Pin91]. Access
[AS96, RD90]. Accessible [SKJ+13].
Accidents [NdSM+16]. Accurately
[Pen10]. Account [Hec86a]. Accumulation
[HW95]. Accuracy [BWP+16, WF93].
Accurate
[ANS15, BS96, LKV90, LTG92, LX04, SK97,
SPA+16a, Tur88, Gre91a]. Achieving
[ARL+10]. ACM [Ano88a, Ano19a].
ACM/IEEE [Ano19a]. Acoustic
[LSB21, MOD00, NTM+01, Sch91].
Aircraft
[BSA+04, DFP+11, Tur02a, Bro89, Sin94c].
Akira [Nea89b]. Alchemical [Sin18a]. Alert [CAG+06]. Alerts [FAL+06, SZZ+18].
Alfred [Shn20]. Algebra [Bli04b, DM02b, MD02e, SzeMJ12, ZZ05, GJ93]. Algebraic
[Sze84, SG86a, Sed90b, Han94, Sed90a].
Algorithm [BB00, BB84, Cha88, DW87, Ell94b, Gal89, GG83, H97, KKH90, 
Lor20, McLe83, MW82, Nap05, PO84, PB85, RR85, Sm86, Sta17, Van84, Y94, AM91, 
Bli93a, Car87, PB87, Roul87, Sug92, Wan93].
Algorithms [BFP86, Cro87a, FM85, FIB+20, Gi94, HHS+92, IFH+03, LKP19, 
Luc01, Mam89, MD95b, Neu94, OKM84, OKK13, Pan90, SR93, SL00, THB+90, 
UF11, WD15b, WD15c, WPF90, Wr90, XZWH14, YKF84, SW88]. Alias [Hay95b].
aliasing [Bli89c]. Alice [UVa95].
Alignment [RMP+16]. Alis [Kub84]. Alive [Sin10b]. Alpha [SB86a, Bli96b]. Alternate
[Lec17, Smi87]. Alternating [HM85].
Alternating-Pair [HM85]. Alternative [II15, Ill86]. Altia [MD99d, MD00f].
Altitude [PCJ+16]. am [Bli88e]. Amazing [GP93b]. Ambient
[Gol00, GSF08, SKUT+10]. Ambiguities [Bre87]. America [Hay95b]. Among
[IDJW19, LWS98]. Amorphous [FH84b]. Amplification [Coh00]. Amutees
[VCBS97]. Analog [Tho84]. Analyses
[WSW08]. Analysis
[AY16, AESF21, AV20, AOH+14, BQP+19, BFH86, BS+15, BP06, BG82, CMSEM08, 
CWB02, CTW+10, Cro18, D+15, DL+18, Dwy16, FJKTX19, FTAT00, GGG08, GLK06, 
GGS+18, Gro83, GZM89, HT04, HGW13, Hua21, JS10, JBH+10, 
LPZ12, LH+21, LT16, MD99e, MBR19, 
MTN18, Mi88b, PA18, RGL+06, RMĐT96, 
RLV+16, SFD16, She06, SJ+16, SJSK19, 
SGEF+12, Sw10, TMWJK04, T85, 
TLS+14, UBS+12, VFLJ02, WYG+12, 
WBS+05, Wl87b, WDK17, WHC+14, 
Woo85, XSN+20, Yan01, YBL+12, ZGC14, 
FM87, GT93, LK95a, RBOV94, UO91].
Analysts [KBHP14]. Analytic
[CS85, CPG+16, EI17, MRB19, SP15, 
XAJK+15, ZHZ+15, JRM17]. Analytics
[Ano14-30, Ano18c, BHPS12, BQP+15, 
BQP+19, Cha09, CZGR90, Che08, CCR10, 
CTW+10, CP13, CL18, DFL+18, ENDAD13, 
EE12, EBN13, End14, ECHN15, EI17, 
FFN19, FDC14, GCS+12, KCW+17, KW15, 
KVHD17, LBDM19, LAC+14, LRS12, 
MZX+21, MGO14, MHA+09, MGA+21, 
MLJ19, MGN+11, PGS+08, PGS09, QC15, 
Ren15, RBD14, SBCv504, SYP+19, 
SZMJ12, TC06, TC15, WT04, WLL+09, 
WCG+11, WSP12, WSJ+12, WHC+14, 
ZY18, ZYL+17]. Analyze [BK+10, Koz12].
Analyzing [AESF21, BGM+07, CKJC12, 
EG98, Gai04, PGM19, SRE98].
anatomic [RKR87]. Anatomical
[HBR+92a, WLC+12, HBR+92b]. Anatomy
[BWHR99, Wil97]. ancient [Cra91, YOIT92]. Andrew [BG96, Gla02a, 
Gla96c, Gla96b, Gla96d, Gla96e, 
Gla97a, Gla97e, Gla97d, Gla97c, Gla97f, 
Gla97b, Gla98e, Gla98b, Gla98a, Gla98f, 
Gla98c, Gla98d, Gla99e, Gla99a, 
Gla99c, Gla99b, Gla00a, Gla00e, 
Gla00f, Gla00b, Gla00c, Gla01b, 
Gla01f, Gla01a, Gla01c, Gla01d, Gla01e, 
Gla02e, Gla02d, Gla02f, Gla02b, Gla02c, 
Gla03a, Gla03b, Gla03e, Gla03f, Gla03c, 
Gla03d, Gla04a, Gla04b, Gla04c, 
Gla04e, Gla04d, Gla05a, Gla05b].
Andy [De 11]. Aneurysm [MGW+18].
Aneurysms [GGG08]. Angeles [Wor94].
Angels [BSH01]. Angigrams [WOF96].
Angkor [CC20]. Angle [Bar1a, GMW15].
Angle-Preserving [Bar1a, GMW15].
Animal [Gir87, MR98, Wea99a, WAB+13].
Animals [Wil97]. Animated [CMM15, 
Gir87, Kop03, Lam01, PFS03, SAD02].
Animating [FYZ85, KB96, Sin01b, MT91].
Animation [AH95, AWM10, iAH03].
Ano98g, Bad82, BL14, BHS11, BJC18, CBD+93, CHP21, CE83, CMPA18, CPAV+17, DiL15, EMTT79, FS82b, Gla88a, HFZ+13, HE82, HEW17, HKSK17, JLS15, KMTM+98, hKKSK17, Kla89, Kon12, LY002, MD99f, MD99e, MD99d, MAB05, MTT83, MTT85b, MTTF85, MTT85c, NP17, NK85, PSJ87, PJC88, Par82, RPM17, Sin01a, Sta17, SH07, SBS10, TNTM07, USW17, Wil87b, WS90b, YM95, Zel82, Csu91, FSB82a, GS88, Bad00, DiL15.

Animations [CZP+10, SC12, Ano98h, Ano98i]. Animators [SL11, Str90]. Animatronics [AJD13]. Anime [Kri06]. Animengine [NK85]. Anisotropy [IMS03]. AniViz [AWM10]. Annotated [NVC92]. Annotation [BBDZ08, LHZ+21, SJB+16]. Announced [MD99f]. Announces [MD99f, MD99e]. Annual [Ano96a, Ano97a, Ano98f, Ano01, Ano02, Ano03a, Ano04a, Ano05a, Ano06a, Ano08a, Ano10a, Ano11a]. Anomalies [Chr83, Al092]. Anomaly [ZHZ+15]. Antarctic [ASP+21]. Antennas [CWGC90]. Anthropometric [Doo82]. antialiased [FG88a]. Antialiasing [Bar91, BBC+87, Cro81, LJR96, Mam89, Max90, WEWL00, NINT89]. Anything [Cai20]. Aortic [GGG08]. Ape [Bar04]. Aperiodic [Gla98a]. Aperture [BKS19]. Apex [Fei85]. API [AJH+12, SD09, Zhu12]. Apollo [NL84]. Apparatus [Wca99b]. Apparel [Paq96, Bre96a]. apparent [Kla93]. Appearance [OKKP13, PR12, RP95, Sto01]. Apple [CZW99, Ano19b, Ano20a]. Apple-Sixth [Ano20a]. Apples [RSZ96]. Appliances [FJHW00, KRL97, WB00a, WB00b]. Application [Agr18a, CPG+16, DNS+15, Eng86, HE16, FJ87, GWA84, LS80, LSB18, MN97, RGRHFM21, RMR+19, Sp186, WYM10, WCE+17, WK85, RKRW87, UFK+89]. Application-Driven [LSB18, WYM10]. Application-specific [Eng86]. Applications [Abo98a, Abo99b, Abo99h, AGB09, Ano92c, Ano93f, Ano93g, Ano94c, Ano04a, AJH+12, DFQ12, BFW99, CWRF05, Cha85, CP89, CDBL83, CHC+97, DB96, Del97, Del98b, Del9c8e, Del99a, Del00b, DM02b, Ear98, EM09, FE97, GE97b, GBT+02, GPR94, Gre86b, GP93b, GM12, GDY+11, HJ03, Han00a, Han00b, Han01, HU83, Hoe12, KHP+11, Kri00, Kri01, Kro02, KF05, LTJ18, Lea97a, Lea97b, Lie84, ML16, MD99d, MD02c, Mil99a, Mil18b, MYK+08, NL84, PJC88, Paq96, PSE+09, Pot98, Pot00, Pot04, PW14, RM89, RXB09, RR96, RLG+02, Rok96, R0597, SW88, Sch08a, SMWS88, Sim95a, Sim95b, Sim95c, Sim95d, Sim96b, Sim97, Ste18, Swe01, TCB03, UMO82, WAB+05, WWFO0, War85, Whi96a, Whi96d, Wri97, Yan01, Z999, e01, Goe96, Rei91, Sim93a, Ano03a, Ano21d]. Applied [BC87, HMM18, MC85, MD18, TF01, MNR+91]. Apply [WCE+17]. Applying [BK06, EH16, Rod14]. Apprentice [Sim96c]. Approach [AFYC03, BFK+84, CC20, CGB16, CM16, DJM13, DiL15, DYS+07, HWP+19, Hed84, HR0IK16, LBS+03, MPDR14, PD09, PRN15, RPM17, SC89, SPM04, Shi17, WS04, Y8393, Zha96b, FG88a]. Approaches [Gol83b, HYN03, Mil86]. Appropriate [Ano14a, Ano14b]. Approximate [FKD12]. Approximating [Ake21, PT03]. Approximation [ELK97, SF92]. Approximations [RPHW11, Tur88]. Apps [MRI13, Nav04]. Arbitrary [CW88, KSK00, ILK84, PO84, Sar90, CW87]. Arc [Gal89, GP90]. arcades [Bal98c]. Archaeological [PVV+03, Sim97, VIK+02, VFLJ02]. Archaeologist [PTK01]. Archaeology [CR02a, Ste91]. Archeoguide [VIK+02]. Archimedean [OZH15]. Architectural [DD84, Mil09, RAPL98, WYR99, FJ87]. Architecture [Ano19g, BHPB+12, CG85].
Eng86, FL81, Gol84, KB88, Kel84, KKAM84, KM88, MYPT09, MRD06, NL84, SMWS88, WMS92, Wei84, Wil86. **Architectures** [CPA+10, Fri20, KB92, MSU+16, SB03a]. **Arctic** [Sin18b]. **Area** [Cro87a, GDY+11, Pic92, Rie93, de 86]. **Areas** [Sar82]. **Argentina** [Han00b]. **Arguments** [SEAKC21]. **ARIES** [CRD+18]. **Arithmetic** [Gol01]. **Army** [Del00c]. **Arsenal** [WF02]. **Art** [Ano16a, CS15a, CS15b, CF16, CPAM08, CR02a, Cha98b, CRD+18, Csu91, Dev13, Die85, Die00, Gla04c, Gla04d, Gla05a, Hag90b, Hay95a, kHHBEH13, JSH16, JW16, Kre06, LB20, Mar07, MR99, Me85, MGN+11, ND05, Pal85, Pri00, RGRFLM21, RSZ20, SGE+18, Sin05a, Sin08a, Sin08e, Sin09c, Sin11c, Sin13c, Sin14b, Sin15b, VCS19, WLS18, Whi95b, Wor96a, Yea97b, vOW15, Hag91a, Hag94, Mac97a]. **Art-Science** [CS15b]. **Arthritis** [ZCBM14].
Auto-Adaptive [BB00]. Automated [CH81, DLN05, Fei85, GGG08, HSK02, OATO85, Swi10, WJ93]. Automatic [ASW93, DD19, FM90, G87b, JWL08, KH98, LHZ+21, MOP89, MSF07, MGV+18, MTS+20, Rot03, Wil87a, YP08, ZGC14, ZLMY19]. Automatically [QNT02, Shi83, SK91]. Automating [Kru95]. Automation [May83]. Automotive [BFBK00, RBW05, SWS07, Ste84]. Autonomy [BFBK00]. Autonomy [LJ15]. AutoPlant [MD99f]. Autoscan [BFB98]. Availability [KFH18, SSOC01]. Available [MD99f, MD99e]. Avatar [PMR09]. Avatars [CLP18, SPS99]. Average [GH86]. Averaging [CP89]. avionics [PG93]. AViSSS [EM09]. Award [Ano16e, Ano18q, Ano18d, Ano18n, Ano19a, Ano19c, Ano19d, Ano20b, WW95]. Awards [Ano18a, Ano18c, Ano19a, Ano19m, Ano20v, Ano21-36, Hay95b, Lea96a, Lea97d, Tau12c, Ano17-31, Ano20-51, Ano21-37]. Aware [Gas16, GD11, PGM19, TSLX12, TCB03, dHPF10]. Awareness [FGW00, LGZ04, PMR99, RDDT97, SVW90]. away [Sim94a]. Axis [KPN05]. Axonometry [Kri00]. B [CP92, GS94, HN85, PT89, PT03, RSR83a, RSR83b, SR85, SB86b, Til83a, WVL+21, YSSP91]. B-Spline [HN85, PT89, RSR83a, RSR83b, SR85, SB86b, WVL+21, YSSP91]. B-Splines [GS94, PT03, Til83a, CP92]. B. [Ano19c, Ano19d, Ano20b]. Babbage [Ano18d]. Back [Ano16f, Bli03c, Bli07b, Enc14a, Enc14b, FGR85, She05, Sin08d, GC91]. Back-To-Front [FGR85]. Back-to-School [Ano16f]. Backface [Bli93a]. Background [Ker13, LSFW83, Mac85]. Backpropagation [CPM+18]. Badges [PGV20]. Bag [Sin11d]. Baggage [TH17]. Bake [PLB+01]. Bake-Off [PLB+01]. Balancing [Whi94b]. balls [MG92]. Band [Iga19]. Bands [Sin01b]. BandWeavy [Iga19]. Barcelona [Cab89]. bare [KnuKK+18]. bare-hand [KnuKK+18]. Barium [SKS+13]. Barnard [BC19]. Baroque [Sin16c]. Barriers [MR13]. Base [UMO82]. Baseball [Gol01, LOC+16]. Based [AWM10, ACL+12, AS11, Ano16-43, BN95, BSHW07, Ben99, BTM17, BF93, BMS+13, BKSS07, CFF01, CRF+21, CAP+05, CM92, CMM+03, CPN09, CW96, CS86, CKJC12, CMM+15, CXP919, De 89, DMO2a, Deo2b, DiS14, DNBC16, DD04, ERH+11, EJ98, FH19, FNPHH17, FJP02, FGR85, FPW00, GA97, GWW86, dOGDM+19, GF90, GD13, GQA04b, HdlR+13, HFZ+13, Her03, HZ11, HRK16, HJF06, HNC+04, HHH1, HKSK17, IZ07, IWF97, VCR00, JKKM+03, JCM07, Jos11, KS20, KV+05, KS07, KB88, KPN05, KSD04, hKKSK17, KKKM14, KMM+01, LW94, Lat98, LMWC17, LD08, LGW+12, LZS04, LLZ13, LZR+21, MBSD20, MSWT14, MSRHMH09, MII88b, MOD00, Mor05, NTH02, NMR06, NL02, OF14, OC14, ODW15, PSX13, PLS+16, PPK05, PHAS20, PG04, RO17, RCR5, RSL14, RRV+15, RS97, RSE09, RBE08, RGGCB07]. Based [RBD14, SS17, SPMS04, SS97, SRL6, SBBM20, SS08, SWS07, SH04, SH07, Ste84, SL00, SSMH03, SOM+10, SZZP15, TLC02, TW88, TM88, TS13, TWB+07, UCK+04, Van10, VBHS11, W013, Wei85, WVL+21, XSNS19, YST84, YK95, YL11, ZGC14, ZHZ+15, ZYJ+21, Coq87, DG99, FQ93, GGS+18, Han00b, HJS00, HZB92, HBB+92b, HBR+92a, KnuKK+18, LK95a, MGV+18, PB87, RN94, SKK91, SZ94, SUG92, WS92]. Bases [Ken81, PSJ87]. Basics [BEW91]. Basis [MBV17]. Basketball [LT16]. BAT [WJ88]. Battle [Kri03]. BattleBridge [SBSW96]. Bay [WVL+96]. Bayou [Hay96a]. Be [Ano00c, Ano16x, Ano18s,
JB02, Tac16, Sim96a. Bead [TNTM07].
BEAMES [DCCE19]. Beaming
[KND+18, SSO+12]. Beautification
[KJR+18]. Beautiful [OF14, OC14],
ODW15, OZH15, OWZ17, WO13. Beauty
[Cha99, Pru90, Sin07a, Sin15f]. Become
[SF20]. Becomes [Sin11f]. Before
[HS01]. Beginning
[CMBZ00, Gol12]. Behavior
[BKM16, DEN13, KSRF11, MGA+21,
OKET12, PB06, SF20, SSB06, TSF+98,
WZM+11, WAPW06, WGP97, AES93].
Behavior-Authoring
[KSRF11]. Behavioral
[WS90b]. Behaviors
[BCI08, SQG+05, WYG+12]. Behind
[Enc14c, OCS20, Sin06f]. Being
[DeF00, SN86]. Believability
[BRD17]. Believing
[SH06, SP06]. Bell
[Hay96c, TCE+02]. Belle
[DPG18]. Belle2VR
[LAM01]. Benchmarks
[MSC89]. Bending
[KGK94]. Benefits
[BBC+87, Lea96d]. Bertin
[ZK10]. Best
[Ano19-45, Dom12, Fol14, Sin12a, ZM20, Ano18-29]. Beta
[BD85, Bar93, Gol86, GU86]. Beta-spline
[BD85, GU86]. Beta-splines
[Bar93, Gol86]. Beta2
[BD85]. Beta2-spline
[BD85]. Better
[Ano16-37, Ano16-38, Ano17c, Bro15, DeF00,
De97, HBB20, Shn03, Ano17b, Ano17a]. Between
[KPTS89, Pra84a, Sin06f, SO95, Sni87, WFOP85, BKPO1, HI08, Mol18b,
RAGS01, Rhy03, TYKO1, YP08]. Beyond
[EHN13, FZH+13, Han00a, Kra06, LS04a,
NTB+20, Pac04, RWB+14, RR92, Ste18,
Sto08, Wea98a, WWV+10, ZK10, vD00,
EBBS00, RRB+14, WB14]. Bézier
[ABB90, SF92, Phe87a]. Bibliography
[MRT85b, MRT87a, NVC92, Bar91b]. Bibliometric
[Ano14b, Ano14a]. Bicubic
[PK87, PB87]. Bicycle
[HS01]. Bidirectional
[CPL06, RZSP04, XZZL19]. Big
[Ano14-30, Ano16-28, Ano16-42,
Ano16-40, Ano16-41, Ano18a, Ano19e,
Ano20g, Ano21i, Ano21g, Ano21h, BvRS+11,
CP13, HB16, KQM13, LSB18, LR14,
RRB+14, RBD14, SP15]. Big-Data
[KQM13]. BigBarChart
[PCG+21]. Bilevel
[WN82]. Bill
[Ano20-62]. Billion
[JLB+21]. BIM
[LHZ+21]. Binary
[LJB+13, MHPK94, UO91]. Binary-Encoded
[LJB+13]. binary-swap
[MPHK94]. Bindings
[SG86b]. Bing
[Pen10]. Bins
[TO02a]. Bio
[LCG+02]. Bio-LCG+02.
bioelectric
[MJM93]. Biological
[AJH+12, CCE+14, MGO14,
WLC+12, WLVL+96]. Biological-Modeling
[AJH+12]. Biologically
[JW16]. Biology
[GSS05, KS14, PF83, SPW84]. Biomechanics
[FIG02]. Biomedical
[GPW+19, GM12, YBL+12]. Biometric
[Sim94a]. Biometrics
[Kro02]. Biopsy
[NC+Q+11]. Biosciences
[ZP95]. Biplane
[WOF96]. Biquadratic
[Ste84]. Bisectors
[EF99]. Bit
[GKB89, SB86a, Zac84, WWC91, Bar97a]. Bit-Map
[Zac84]. bitmap
[Kot87]. Bivariate
[DMR83, RO86, WGG95a, Rou87]. BKViz
[LTB16]. Black
[Lee99, ABB+93]. Black-Ink
[Lee99]. Blackboard
[ABB+93, Ano92k, Ano92i, Ano92m, Ano93v,
BB95, BHMNO95, CR95, CG94, Ger91, HM95,
HASK98, Koh93, KMK95, KFM94,
MJM93, Mat96, MA98, MKL97, PJJF96,
PM97, RBOV94, Sch93b, Sch91, SRRSH95,
Ste91, SBHM97, TC96, TS97, Tre98, UVA95,
VCR98, ZP19, Zha96a, TSH96]. blend
[Sch93a]. Blender
[BL14]. Blending
[HT98, PPPO5, SHS+21, SR95, YLR17, Gol83c]. Blendshape
[LD08]. Blendshapes
[LI1A0]. Bliu
[SB192e, Bli92f, Bli87, Bli88d, Bli88e,
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SW83, Smi83, Wei84, RA06]. CADBlocks [MD99d]. Cadcentre [MD99c]. CAGD [Hof93, Nie93a, Sch93c]. Cage [KW10].
calcium [SAO+95]. Calculating [Bli96c, ILK84]. Calculation [FBL81].
Calculations [JF99, WNAJ92]. calculus [Gor83]. Calendar [Ano95h, Ano95i, Ano95j, Ano95k]. Caleydo [TLS+14]. Calibration [Hay95b, PLS+16].
California [Del00c]. Call [Ano11b, Ano14j, Ano14k, Ano14l, Ano15m, Ano15o, Ano15p, Ano15v, Ano15t, Ano15q, Ano15u, Ano15r, Ano15s, Ano16c, Ano16r, Ano16s, Ano16t, Ano16u, Ano16v, Ano17a, Ano17p, Ano17j, Ano17k, Ano17l, Ano17m, Ano17n, Ano17o, Ano18c, Ano19m, Ano19o, Ano20j, Ano20k, Ano20l, Ano20i, Ano20q, Ano20m, Ano20r, Ano20n, Ano20o, Ano20p, Ano20s, Ano20-35, Ano20-34, Ano20-41, Ano20-42, Ano21o, Ano21l, Ano21m, Ano21n, Ano21r, Ano21p, Ano21q, Ano21-33, Ano21-34, DFL87]. Calls [Ano14a, Ano14o, Ano14m]. CAM [Ano84, Bee82, Bre84, Ken81, Lil81, MD99f, MD99g, MD99d, RA06, Ric85, RSR83a, RSR83b, SW83, Smi83, Wei84]. came [Bli88a]. Camera [AXP07, BE11, GDY+11, HB08, MD99d, Mor05, PBR+14, PXCO2, Rus11, Sch00]. Camera-Based [Mor05]. Cameras [GLC11, MTT86, RM89]. Camp [BL14, Sim94d]. Campus [Sau04]. Can [Abo99b, Ano17b, Ano17c, Gai17, Glab99, JB02, MGN+11, Sch17, SF20, SL00, Zuc84]. Canal [CZP+10]. Cancer [BSM+15, Lea96a, SOM+10, TLS+14]. Cancer-Screening [SOM+10].
Capture [Del98c, GLC11, GM12, LD08, RPM17, SH07]. Capturing [BGM19, Mas18, SPMS04]. car [Sim95a]. Card [Gla02e, Gla02d, IM14]. Card-Weaving [IM14]. Cardiac [GZM97, SADC02]. Cardiovascular [Wix83]. Cards [DJM13]. Care [Han01].
Career [Ano19-43, Ano19-41, Ano19-42, Ano20w, Ano20-54, Ano21s, Ano21z, LWZ+18, Sin10a].
Carries [Whi95d]. Carrying [SK13].
Cartograms [CCM15, KPN05].
Cartographic [BCA+20, CMSEM08, Jon89]. Cartolabe [CRF+21]. Cartoon [AH03]....
Co-presence [BRD17], Coarse [CRC+02], Coast [KP12], Cockpit [MSA+94, PG93], CoCoNutTrix [IBH+09], Code [PLM+19, Sin13c, Sin16a], Coding [GUFG15, LSQ+12, SKK91], Cognitive [CMT+10, PD09], Coherence [Cro87a, GP89, SM84], Coherent [PBR+14], Cohort [AOH+14, BSM+15], Cohort-Study [AOH+14], Collaboration [LA20a], Collaboration-Specific [BH11], Collaborations [CS15b, KM13], Collaborative [Agr09, BRG+00, CRB+02, CPN09, CCVA02, Enc15c, Fis02, FFA+97, FLSG98, IBH+09, JLJ+10, JMOG99, KP18, LFV+97, LJ96, NPH+09, PW97, RDH+02, SSTP18, SKS+96b, SCH05, WIL+09, vHV09], Collage [Fig01a], Colleagues [Ano20-61], Collection [Cro96], Collaborative [Agr09, BRG+00, CPN09, CCVA02, Enc15c, Fis02, FFA+97, FLSG98, IBH+09, JLJ+10, JMOG99, KP18, LFV+97, LJ96, NPH+09, PW97, RDH+02, SSTP18, SKS+96b, SCH05, WIL+09, vHV09], Collaboration-Specific [BH11], Collaborations [CS15b, KM13], Collaborative [Agr09, BRG+00, CPN09, CCVA02, Enc15c, Fis02, FFA+97, FLSG98, IBH+09, JLJ+10, JMOG99, KP18, LFV+97, LJ96, NPH+09, PW97, RDH+02, SSTP18, SKS+96b, SCH05, WIL+09, vHV09], Collage [Fig01a], Colleagues [Ano20-61], Collection [Cro96], Collaborations [CRF+21, CRD+18, WSL+20, YLL10, dRVW10], Collins [Abo98b], Collision [Dai89, EW96, FUF06, GASF94], Collision-Free [Dai89, EW96], Colloidal [OOhR14], Color [Bar97a, BBK82, Bli93c, BP06, BT07, BH11, BBS09, Dia91, EH99, FZY84, GUGF15, HML83, Hla90, Iek84, JF99, LSH4, LH92, LBW+17, LBSS85, Mac99a, MD99f, MD99e, Mei85, MSK04, MG88b, Mur84a, NM98, PH98, PH99, PP95, RGW05, RAGS01, ROS6, RS99, RP95, SW83, SPA+16a, Sto01, Sto12, TT00, War88, XJ94, YP08, ZLMY19, Dia94, FG88b, Rob88, WWC91, MD99f], Color-Accurate [SPA+16a], Color-defective [MG88b], Color-Map [BH11], Color-Naming [BBK82], Color-Shaded [SW83], Color-Space [NM08], Colorful [OZH15], Coloring [PP12], Colorization [BP06, SSC+11], Colormap [SKR18], ColorMoves [SKR18], Colors [Hag90a, Sin14d, Sto05, SFCD99], ColorSketch [LBW+17], Column [Her96], Comb [Bet00], combat [Bro89], Combination [Ano16d], Combinatorial [Woo85], Combined [VCR98], Combining [BHS+11, HBB20, KRSR13, LGM13, Lec17, OZH00, PNPS03, WZM+11], Combustion [WYG+12, YWG+10], Compact [MD99f, MD99d, de 86], Comparative [AHP+10], Comparing [ELK97, Hal99], Comparison [Cro81, Eas90, HS87, LTD16, MMD+19, vL18, GG87], Compatible [FM89a], Compelling [HCL+20, SH03], Competition [JB97], Completion [MRL+21, ONDA20], Complex [BQP+15, DAG95, JW16, KTA+02, KMS07, MTT91, PP12, Rh97a, SSW+07, Sin17a, Ste07, KS94, RN94], Complexity [KCMK20, Voo89, Tll81], Components [HW82a, HH01, TW88], Composers [FPJ04], composing [Mak87], Composite [SSH+98, KGM95], Compositing [Bli94d, NINT89, QNT02, RGL+06, MPHK94], Composition [FK87], Composting [Bli94a], Comprehensive [VG84], Compressed [Van10, SR93], Compressing [VK17], Compression [FM89b, KB92, Lea96d, WYM10, WGY+18, Har96], Compressive [WLH+12], Compromise [Whi95d], COMPSAC [Ano18e, Ano19p, Ano20t], Computation...
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[End14, ECNZ15, GWH05, Hal99, MHC98,
Sar82, XNSW19, Til81]. Computational
[BKLZ17, BA13, CBGH19, CP13, CN03,
DM02b, DS07b, EH16, Fig01b, Gai04,
GW08, HU83, Lev10, MD02e, Mas18,
RWB+ 14, UFK+ 89]. computations
[Woo93]. Computed [NFMD90].
Computer
[AKME+ 90, Agr18a, Ama87, AVV20, AS11,
Ang17, Ano03a, Ano04a, Ano14s, Ano14q,
Ano14p, Ano14r, Ano15w, Ano15y, Ano15x,
Ano16e, Ano16f, Ano16y, Ano16x, Ano16z,
Ano16w, Ano16-27, Ano17q, Ano18s,
Ano18u, Ano18t, Ano18x, Ano18v, Ano18w,
Ano18r, Ano19g, Ano19-30, Ano19-31,
Ano19-32, Ano19-35, Ano19-36, Ano19-34,
Ano19-33, Ano19-44, Ano19-54, Ano20-32,
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Ano20-38, Ano20-45, Ano20-41, Ano20-39,
Ano20-50, Ano20-42, Ano20-46, Ano20-40,
Ano21w, Ano21d, Ano21-33, Ano21x,
Ano21-36, Ano21-35, Ano21y, Ano21z,
Ano21-34, Ano21-27, Ano21-28, Ano21-29,
Ano21-30, Ano21-31, Ano21-37, Ano21-32,
Arn14a, Arn14b, Atw84, BC87, BC05,
Bar81b, Ber83, BHS11, BT00, BB82,
BBDM98, Bli98c, BDM02, BBS09].
Computer [Bre96a, BH83, CDLS19, CF93,
CHP21, Car83, CM86, CR02a, CLC+ 96,
CE83, DGTK07, DP82, De 11, Del02, DiS14,
Die85, DDG88, Ear98, EMTTT98, Enc00,
Enc06, ECS+ 15, Fer01, Fet82, FWC84,
FAB+ 98, Fry83, FL81, Fyo97, Gar15, GB96a,
Gir87, Gla96b, Gla03d, Gol83b, Gol00,
Got82, GRWN87, Gre84, GM87, HW82a,
HH92a, Hay96b, HJO86, Hob81, HM85,
HLC11, HN85, Hur82, JCM07, KSM85,
Kas11c, Ker13, Kla89, Koc94, Kon12, Kri05,
Kri06, Lav83, LLML16, LGM13, LR90,
LMP89, Lic84, LPMEPCM11, LSFW83,
MC85, Mac99a, ML16, Mac81, Mac83,
Mac85, Mac94, Mac00a, MIA+ 08, MTT85b,
MTT85c, Mar07, Mar83, Max83, Mil99b,

MM14, Mye85, Myk88, NTS+ 07, Nea86,
Nea89a, NG96, Nie92, Pal81, Pal85, PF83,
PG04, Pot96, PFA86, Pri00, RME14].
Computer [RGA+ 83, Rho90, Rho91, Rho93,
Rho97a, Rie81, RS99, SDS+ 11, Sar90, Saw83,
Sch81, SM86, SMWS88, SG11, SF20, SG86a,
SRL06, She82, Sin02f, Ska86, SG86b, Sta91a,
Ste18, SP06, SRS83, SDS95a, Str90, SBE95,
Stu98, SD83, Tau10c, Tho00, Tur02a,
USW17, VG84, VG81, WB85, War81b,
War81a, WMB85, Whi97, YST84, YKR+ 84,
Yan85, Bro89, FG88b, GB96b, Hod92,
Mac91, MG88b, PG93, RKRW87, Rho96,
SW88, Sta91b, SDS95b, WFG92, Woo91a,
Wor93, Ano96i, Ano97h, Ano18y, Ano18-28,
Ano19-38, Ano20f, KR86, Ano20-70].
Computer-Aided
[BC87, BDM02, BH83, CF93, CLC+ 96,
DP82, HLC11, Hur82, KSM85, Lic84, Myk88,
NTS+ 07, Nie92, SM86, SG86a, Bar81b].
Computer-Animated [Gir87].
Computer-Assisted [AKME+ 90, SRS83].
Computer-Generated [Gla96b, HM85,
JCM07, MIA+ 08, PF83, Yan85, WFG92].
Computer-Integrated [YKR+ 84].
Computer/Art [Pal85]. Computerized
[Hue83]. Computers
[CWRF05, HHLL14, HS01, MGN+ 11, Tho84,
de 86, Ano19o, Ano20q, Ano20m, Ano20n,
Ano20o, Ano20p, Ano21r, Ano21p, Ano21q].
Computing [Ano87, Ano20-35, Ano20-33,
Ano20-34, Bak88, BvDE+ 99, EK99, Gla01c,
Gla01d, Gla01e, GP90, HJ03, Lee08, LS04a,
LCC+ 96, Nie07, PTB+ 15, RMG16, SZP+ 00,
Sto15, VBW94, YIÇ09, vL16, Ano15v,
Ano16-29, Ano18b, Ano19f, Ano19h, Ano19k,
Ano19l, Ano20j, Ano20k, Ano20l, Ano20c,
Ano20h, Ano21o, Ano21a, Ano21j, Ano21k].
ComputingEdge [Ano19q, Ano19r,
Ano20d, Ano20e, Ano21b, Ano21c]. concept
[WJ93]. Concepts
[BFW99, Rou09, SCB04a]. Conceptual
[JMOG99, LGK+ 06, LO94]. Concurrent
[HDKS95]. Conditioned [Mac90].


Conference [Ano20r, Kos15, Bli95d].
Conferences [Ano92d, Ano93h, Ano93i, Ano93j, Ano94g, Ano94e, Ano94f].
Conferencing [EG98].
Configuration [SP99]. Configurations [CPN99]. Configuring [PM99].
Confidence [WDK17]. configurable [GFB87].
Configuration [SPJ99]. Configurations [CPN09]. Configuring [PM82]. Conformal [FS90, OC14].
Connection [MD00f]. Connectionless [BS03].
Context [CWL+10, GLRK06, GD01, KM02, OBE+84, DHP+10].
Context-Aware [GD01, dHP+10].
Context-Preserving [CWL+10].
Contextual [BWG18]. Contiguous [CCM15]. Continent [Hag90a].
Continuum [DRHL+03]. Contour [SR85, Her86]. Contouring [DBV89].
Contraction [Bli01b]. Control [AMJ+08, AGL87, Ber83, CEMTT98, COK97, DLEF15, EDC96, EBN13, HPG08, JXW+08, KP11, hKKS17, LJK15, L00, LLZ13, Mab82, MD00f, PMP+09, Pie87b, PT00, PBM+96, RDO+96, SPMK14, SKBF12, SKS+96b, Sin02d, Sin17a, VS07, Wil87a, WS09b, Zel82, BCB+94, Coq87].
control-point-based [Coq87]. Controlled [IMS03, JDH+89]. Controller [AP11, BDJ86, DSKH95]. Controllers [TLT11, Jam87].
Control [AMJ+08, AGL87, Ber83, CEMTT98, COK97, DLEF15, EDC96, EBN13, HPG08, JXW+08, KP11, hKKS17, LJK15, L00, LLZ13, Mab82, MD00f, PMP+09, Pie87b, PT00, PBM+96, RDO+96, SPMK14, SKBF12, SKS+96b, Sin02d, Sin17a, VS07, Wil87a, WS09b, Zel82, BCB+94, Coq87].
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control-point-based [Coq87]. Controlled [IMS03, JDH+89]. Controller [AP11, BDJ86, DSKH95]. Controllers [TLT11, Jam87].
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control-point-based [Coq87]. Controlled [IMS03, JDH+89]. Controller [AP11, BDJ86, DSKH95]. Controllers [TLT11, Jam87].
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control-point-based [Coq87]. Controlled [IMS03, JDH+89]. Controller [AP11, BDJ86, DSKH95]. Controllers [TLT11, Jam87].
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Convolutional [CXW⁺20, Hei18, WZQ⁺19].
Cooking [NOK⁺08]. Coons [WW95].
Cooperation [Koc94]. Coordinate
[Bli95b]. Coordinates [Rie81, Bli91c].
Cope [Del02, SP15]. coprocessor [Shi86].
Copyright [Whi95d]. Copyrights [VP99].
Cords [CS06]. Core
[Ano15-44, Enc14d, FS01, KH98, GS12].
Cornea [SRJ99]. Cornell [Ano97i]. Corner
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Bli88c, Bli88b]. Corner [BG96].
Cortical [SM86, WVL⁺18, ZTT99].
Cosegmentation [WZQ⁺19]. Cosmic
[Sin06a, GR94, Sin93b]. Cosmological
[HH08, SBD⁺17]. Cost [PCJ⁺16, YST84].
Costs [Neu94]. Could [Whi95d].
Countering [CAG⁺06]. Countries
[NdSM⁺16, RMG16]. counts [DH91].
Coupled [PIBV11, WLVL⁺96]. Coupling
[End14, ECNZ15, YK95]. Course
[Don12, EE12, Gre84, Moh85]. Courses
[AJK15, Ker13, ODE⁺13, SDS⁺11, YY16,
Zhu12]. Court [Hay96a, Whi95d].
Covariant [Bli96c]. Coven [TSF⁺98].
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Ano15h, Ano15j, Ano16h, Ano16i, Ano16j,
Ano16k, Ano16l, Ano16m, Ano17e, Ano17f,
Ano17g, Ano17h, Ano18h, Ano18i, Ano18j,
Ano18k, Ano18l, Ano19x, Ano19y, Ano19z,
Ano19-27, Ano19-28, Ano19-29, Ano20x,
Ano20y, Ano20z, Ano20-27, Ano20-28,
Ano20-29, Ano21u, Ano21v, Bal97,
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Cha99, Del98a, Del00a, Fig00, Fig01a, FY97,
Hay95a, Hay97, How00, Law99, Lea96b,
Lea96c, Mus99, Sin96a, Sin01b, Sin01c,
Sin02b, Sin02a, Sin02d, Sin02c, Sin02e,
Sin03a, Sin03b, Sin03d, Sin03c, Sin03e,
Sin03f, Sin04a, Sin08a, Sin09a, Sin09b,
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Covered
[Ano19-34, Ano20-43, Ano20-44,
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CPU
CraMs [DNS⁺15]. Craniofacial [PVML96].
Craniofacial
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[KHSE98, SWS07, Koh93, Sin95a].
Crash-Worthiness
[KHSE98]. Cray
[Ano17-31]. Crayons [Sin08d]. Creasing
[KGK94]. Creates [Sin13e]. Creating
[Abo00a, CMT⁺10, CTM18, CP06, CW09,
FEV⁺01, GH86, KGR⁺18, LSV⁺02, Mye87,
SKJ⁺13, YL09, ZED⁺09, Sin96c]. Creation
[DL15, Fei85, GS87b, KS07, PB10, Sin06d,
Sin08f, Sin13a, ASW93]. Creative
[Bra86, CLP⁺14, Sin15a]. Critical
[GCS⁺12, SRK90, TCH⁺96]. Criticism
[KDHL08]. Crop
[Gla04c, Gla04d, Gla05a, MV93]. Cross
[ANS15, Bli98d, Bli03e, CJS⁺19, SK91].
Cross-Platform
[CJS⁺19]. Cross-Ratio
[ANS15]. Crosscutting [SSZS21].
Crossings
[Gla99f]. Crossover [Sin10d].
Crosswalk [GJM18]. Crowd [Ber86]. Crowd [BKM16, CTJ+17, GD11, GD13, Hay96d, JXW+08, PD09, PB06, TLC02, Yi09].
Crowd-Behavior [BKM16]. Crowds [DPA+11, Kan09, MYT09, MYPT09]. CRT [Zuc84]. Cruise [PSE+09]. Cryptography [Wor96b].
Crystal [FH84b]. CS [Ano19a, Ano14-39, Ano15-43, Ano18g, Ano18-50, Bar97].
CSG [CH95, GMTF89, LF87, Vos85, WKS86].
CSpray [PW97]. Csuri [SCN90]. CT [FYZ85, RGA+83, Wal91, ZCBM14]. CT-Aided [RGA+83].
Cube [Lea96d]. Cuberille [CHRU85]. Cubes [Ano20-62, Lor20]. Cubic [Bli99a, Bli99b, Bli99c, Bli00b, Bli06c, Bli06a, Bli06b, Bli07a, Bli07b, FPW+00, Sed90b, Bli89d, CP92, Sed90a].
Cubic-Mouse-Based [FPW+00]. Cubism [CMA+18, Gla04e, Gla04f]. Culling [AM04, CIF99, Gla04f]. Cultivating [SH06].
CultLab3D [Sin14a]. Cultural [Arn14a, Arn14b, BTM17, JK09]. Cyberhuman [Fig02].
Cybersickness [WW95].
Cyberspace [CWZ09, Pot98, Wli06b, Kri03]. Cyberworlds [Kun200]. Cycle [KM00, MD99e].
Cycles [MD99e]. Cyclides [DMP93].
D [Abo99a, Ano18n, FYZ85, Hay95b, MD99f, MD99e, MD00f, MKFN87, PKJ+07, SD99, AP11, ASW93, AP10, Ano15-33, AA09, BRL+17, BC87, Bal98c, BBF+98, BGSC85, Bar84, Ben99, BH16, BA13, Bli88c, Bli03e, BFB+98, BCF+08, BBT+13, BKSS07, Buxt05, CD12, CC+04, CPCS08, Cam17, CVD95, CFF+02, CBB+14, CT09, CE93, COK97, CMPA18, DB03, Del99b, DGA+97, DNS+15, Die00, DY09, DWL+92, EHPG04, Enc14a, FZY84, FSK07, FD03, FB09, FHKO06, FZ03, FP+82, FPI94, FTAT00, GFW98, Ger91, Gir87, GBT+02, GKB89, HPG08, HdlRL+13, HWY16, HTZ+19, Han01, HGMT17, HF07, Hay95b, HU83, HJF06, HLE04, IKMF12, Ike84, IG98, JWL+18, JAC+08, KN07, KK02, KS07, KTA+02, KB88, KP14, KSRS13, Kon12, KZC+11, Kul09, KPL17, KDMH17, LaV08, LVF+97, Lax99, Lea96a].
D [Lea96d, LJB+13, LSO+12, LSWF83, LCG83, Mac97a, Mac13, MD99f, MD99e, MD00f, MKFN87, MSF07, MGO+16, Mas98, MVWB05, McG93, MFM+16, MSH+08, Mil03, Mun98, NTH02, NINT89, NE+95, NM08, NF91, NLvLM09, dSNRdLdSN16, Nru08, OAT05, OZL17, PW97, PSX13, PLS+16, PJCA, Paq96, PT90, PVR+98, Pie06, PV+03, PG93, Red01, RLOW13, RWB+14, RR03, RB00, RDH+02, RT07, RFT98, RBK+13, RGCB07, SR91, SP09, SS17, SSG95, SBMK20, SB16, SMWS88, SRL06, SRDT01, Shm03, SM04, Sim96c, Sin01c, SSOC01,
...
SFL+04, Spa16b, SQG+05, SAHK13, Tau11a, TLL+96, TMB+13, THB+90, TUH+90, TH17, TT84, US17, U1+06, UBS+12, WOF96, WA+21, WMS92, WK94, WLL+16, Wea99b, WWV+10, WL88, WSKY90, Wor96b, WZQ+19, WLL+21, YY16, YCB05, YZM+11, YYOT92, YY99, YWR09, Y12. D
Deterministic [MD95b]. Detour [Add95]. Develop [Hay96c]. Developer [IFH+03, Luc01]. Developers [ZTJ*07]. Developing [CPC99, Hay96f, LZF+14, Nav04, ND3+16, RMG16, Rei91, RdcF+20]. Development [CG85, Die11, Hay97, KIQ+06, LPoLiD18, LK08, MN97, MD00f, MKH20, Moh85, Oia82, SADC02, SMN90, WAH+21, WHR19, WiI86, Pap96]. Developments [GN83, HILW98, Laz87, Ped01, WHC94]. Develops [Hay95b]. Device [BSA+04, MD00f, Mor05, PFA86, SB16, SQG+05, War81b, War81a, Kor87]. Device-Independent [War81b]. Devices [CW93, DL15, DD04, FHK06, HPG08, HBP+07, KK02, LS08, NCO03, PARV05, WWV+10, WSAY90, YIK85]. DEViSE [RXB09]. DevOps [Fis21]. Diagnostic [CDBL83, WH99, WVL+18]. diagramatic [FSB82a]. Diagrammatic [FSB82b]. Diagrams [Bli01a, Bli03c, Cho95, ITW01, LBD+02, MMMM21, PVW07, TO83]. DIAL [FSB82b, FSB82a]. Dialogue [Bli09a, Bli09b, Kos15, Bli89d]. Differential [HGMT17, SM86]. Differentiating [REF+06]. Diffusion [PQC+12, ZGP+13, CR95]. Digesting [Wei99b]. Digital [ARL+10, ATS+03, Ano16a, AB14a, BE11, BSS20, BRM+02, BEAC+18, BWF99, CFF01, CDBL83, CGMB20, Cha98a, CG84, DL15, Ear01, Enc16a, Gla02a, Gla06e, Gla06f, Gla03a, Gla03b, Gla04e, Glao4f, Gol12, HU83, IM11, Lea97a, Lea97c, LS84, Mac97a, MD99f, MD99d, MD00f, Mar07, MRD06, MTC07, Nak84, Nie07, PMI06, Ped01, PBL10, San01, SS19, Sco8a, Sco8b, SC06, Sin02a, Sin05a, Sin08d, Sin09a, Sin09b, Sin12d, Sin15b, Sin16c, Swe01, TK03, Tur02b, VP99, Wea99a, WGH15, WH99, Yan01, Zha96b, BaI98c, ARL+10, PCZ+09]. Digital-Content [IM11]. Digital-Image [VP99]. Digitally [Ann17, VP+11]. Digitization [KN07, SL00]. Digitize [SPM10]. Dimmers [MD99e, MD00f, LTL+96, WP87, de 86]. Digitizers [MD99e, PTC+98]. Digitzing [MD99d, Sin14a]. Dimension [HH92b, Wih96a, MD99e]. Dimensional [CDBL83, ESS82, Gas16, Gro83, HKW99, MTT85c, MG04, Nak84, PM86, Rob87, TH84, WJ88, Wix83, ZZL19, PS86]. Dimensions [Gol03, GZS88, Sin16b, FP95]. Dinnerware [SK02]. Dinosaur [Gla88b]. Direct [Bai01, CW93, EBN13, KP11, LiA10, NM08, SRC+06, TT84, VP16, YNF+92]. Direct-Touch [SRC+06]. Directed [HWP+19, KB82, NLvLM09]. Direction [MTT87b]. Directionality [IMS03]. Directions [BCF+08, ECS+15, FIB+20, RV83, Ros00b, SGE+18]. Director [Kon12, MTTF85, SJB+16, WKB11, MD99f]. Director-Oriented [MTTF85]. Dirty [Bli98b]. Disabilities [Hay96e, MFM+16]. disabled [Sin94d]. Discard [Cai20]. Disciplinary [Sin01d]. Discipline [GH97]. Discomfort [CR15]. Discontinuity [LTG92]. Discourse [WKM+04]. Discoveries [Ric15]. Discovering [CES07, DY09, Kun00, VFL02]. Discovery [Ano15-38, Bec97, DGTK07, PKJ+07, RKJH99, Sin13d, Swe01]. Discrete [Ale21, YCK92]. Discretization [VS14]. Discriminant [Bli06a]. Discriminants [Bli00e, Bli01a, Bli02a]. Discussion [Tan11c]. Disease [WBA+96]. Disk [WWL+21]. Disorder [Mac09]. Disorders [HAB+01]. Displacement [ABS+05]. Display [Ano92e, Ano92f, Ano93l, Ano94h, Ano94i, Ano15b, AYS98, Bol94, BMC04, CW93, CDBL83, CG84, Cro97a, DT81, Eng86, FMM06, FGR85, FPT+82, FPI84, GV81, Gol84, Gos90, GAW86, Gro83,
HF18, Hag94, HCL+20, HJS00, HU83, Hob81, HM85, HRMS06, IWF97, JLJ+10, KIN+05, Kan88, KL09, Lea96a, LGLD86, Lev88, LCC+00, MD99e, Mur84b, Mye84b, Mye84c, NOK+08, Nak84, NTM+01, PPKM15, RR84, RCB+05, RR86a, RR86b, Sad16, SPMK14, SFF+00, SK86, SQG+05, TT84, WAB+05, WN82, YY16, ZWWS19, Zuc84, Bow93, GC91, KmKK18, KKM96, PFH95, Roc87, WB14].

Display-Rich [JLJ+10]. Displaying [HML83, PJC88, PO84, Mas18]. Displays [Ano92e, Ano92f, Ano92g, Ano93k, Ano93l, Ano94h, Ano94i, Bal97, Ber83, BWP+16, BB05, BBDM98, Bow93, BFBK00, CHC97, DSP+14, FKKB05, FH84b, FI83, FL00, GM87, HW82a, Hag94, HCV+13, JPSM13, KTA+02, KKG13, KF05, Lea96d, LFOI15, MD99e, Mas18, Mor05, PMI06, RLOW13, RS14, SB97, SCH05, SSOC01, Sto01, WSK+00, WLH+12, Whi84, Zac84, Ano98j, BR13, LTSE92, MG88b, Rob88].

Dissemination [BDC+12, BAE+18, Enc15c]. Distance [DP+08, FMM06, FUF06, Glal97a, PT92, SJSK19]. Distance-Similarity [FMM06]. Distances [BMWC17]. Distinguishing [Han14]. Distortion [CCF97]. Distributed [BS03, Bres84, EY03, Kell84, LD97, LCC+96, MAB05, MSA+94, RDH+02, St96].

Distributing [BBP94]. Distribution [CWB02, CPK06, FAZH17]. distributions [MTS91]. Dithering [WWC91, Bli94c].


Draw [Whi99, Bli95a, Bli95b, Bli95e, SRS91].

Drawing [CS15a, BAAQ21]. Dreams [BAAQ21, Die00, Sin13b, TYK01].

Dreamcatcher [BAAQ21].


Drop [AKFPW20, Di14]. Drops [SKN+15]. Dual [TLS+14]. Duck [Gla02b].

Dukane [MD99f, MD99d]. Dunhuang [HCL+20]. during [KLR12, PB06, TN10].

Dust [HW95]. dv [MD99f]. dv/MockUp [MD99f]. Dynamic [AM04, ACL+12, Bao16, BN95, BP90, CR15, CDHM97, CWL+10, Dai89, DDG88, EBG+10, FM86, GAB+18, GSG90, HLB+07, J1L08, KN07, KK02, KP18, LFOI15, LX04, MBSD20, Mol18c, Rhe02, RBE08, SPMK14, SB86, Ste18,
Dynamical [OZH15, WGP97].
Dynamically [BMH98, CMBZ00, Mil12].
Dynamics [Ano94g, Bar97b, BTM17, CIF99, Gai04, KDH +95a, KB96, MCP +06, ND05, Sin07c, SBS10].
Dysplasia [WVL +18].

E-Books [Har00]. E-mail [MD99d]. Ear [Ken20, PHAS20].

Ear [Ken20, PHAS20].

Economics [Sin19e]. Economist [Wil84].

Economist [Wil84].

Earth [GS87a, JMOG99, Wor94].
Earthquake [CCC +07].

Egyptian [YYOiT92].

Ellen [CS17a].

Ellipse [Van84]. Ellipse-Drawing [Van84].

Elliptical [GH86]. Emaps [VWL +18].
[Erv93]. Embedding
[DSK+14, FAECOG19, dOYG04].
Embracing [Ano94g]. Emergency
[Han00a, MG14].
Emergency-Medical-Service [MG14].
Emerging [BRCP17, EFD05, LLK+03, Per16, Ree84, SP04b, Str04]. Emily
[ARL+10]. Emotion
[LM10, PB10, Pic00, YL11, ZGC14].
Emotion-Based [YL11]. Emotional
[KMCMT09, RRV+15, Smi84b, WSK+19].
Emotions [Sin10c, SH03, TN10]. Emphatic
[Hua11]. Empirical [DBV89, SC89].
Employing [RSP15]. Employment
[LSB18]. empowers [Sin94d]. Enabled
[BBB08, NCO03, LS04b]. Enables [MD00f].
Enabling [CRD+18, DRHL+03, NR03, PTB+15, SSZS21, Tac16, TBO+20].
Encarnação [WW95]. Encoded
[DT81, LJB+13, WBS+05]. Encoding
[KSY85, XPH05, YKR+84]. Encouraging
[Enc11]. Encyclopedia [Bal97]. End
[MZL+21]. End-to-End [MZL+21].
Endogenous [JW16]. Enemy [Hay96a].
Energy [BB82, GN83, MMMM21, FJ87], energy-efficient [FJ87].
Engagement [KWK21, WSP+20]. Engaging [HE02].
Engine [BEW+98, BSA+04, DMJ05, MD09e, MJC08]. Engineer [Jer18a, SB11].
Engineered [BPQ+15]. Engineering
[AJD13, BH83, CCVA02, CNC+05, EJ98, FH84a, GV81, HS87, HDKS95, MSC89, MB05, MRBW12, Myk88, NK85, Paq96, RSS+09, Ric85, SRE98, WJ93, Ano21a].
Engines [Won08]. Enhance
[DEN13, ITW01]. Enhanced
[BSP97, GF86, PEMF92, WC91].
Enhancements [MD99f]. Enhances
[MD99d, SKMY09, YMK+12]. Enhancing
[GDS+18, KPL17, MM21]. Enough
[WSL+20]. Ensemble
[LHFL20, RMP+16, OJ14]. Ensembles
[Cro18, GGS+18]. Enter [Wor96b].
Enterprise [KBHP14]. Entertainment
[Agr21, CMZ01, HSHS05, KK02, Lat98, MEW98, Mor98, Ros00b, YSS+16, ZHM+03].
Entertainment-Defense [CMZ01].
Enthusiastic [Sp06]. Entire [Cai20]. Entities
[VK95]. Entrepreneur [Ano16e]. Entropy
[SHZ+15]. Entropy-Based [SHZ+15].
Enter [MD99e]. Entry-Level [MD99e].
ENTVIs [SHZ+15]. Environ [RSS+09].
Environment
[AS96, BC19, BKRE88, BRG+00, BMR90, CRB+02, CHRU85, DHI97, Dai89, DRHL+03, DGA+07, EM09, GPr86b, Hec99, JW+99, MN97, MD00f, MAB05, MSRMH09, MMR+06, PHAS20, PRM+09, PBM+96, RMDT96, San01, SRE98, SZP+00, SKMY09, SDPW20, FUK+89, VS07, YMK+12, KY94].
Environmental
[JW01, KP12, RA93, SCB+04b, SSM+07, SMI84a, Dem93, RBR+93].
Environments
[AM04, AFYC03, AXP07, AA09, BWA96, BH16, BMH98, BVDE+99, BHO6, CF16, CWZ99, CMZB00, CWBS99, Cb11, CMO+99, ERS13, EB94a, EBG+10, FSP00, Fis02, FPW+00, GH599, GMNF97, GAB+18, GSG90, HAI87, HB08, HLCC08, HH95, HGK+04, HBG04, JK09, JXW+08, Ken20, KP18, LJ96, LA20a, LA20b, LSMC04, LSV+02, MRB19, NPB+18, dSNRIEdSN16, PBVH15, RL07, RFK+13, RDH+02, Sty06, Sze96, TSK97, UCK+04, VKN17, Wei85, dOYG04].
Envisioning
[Ge07a, WFW00]. EPA [BRB+93].
Epidemiology [LRS12]. Epilepsy
[WKHL96]. Epinome [LRS12]. Episogram
[CLWD16]. Equation [Bli05a, Bli06c, Bli06d, Bli06a, Bli07a, Bli07b].
Equations [Mac90, Man94]. Equivalent
[BD89]. Era [BT00]. Ergonomic [CLG+16].
Ergonomics [Mye84b]. Erratum
[An19v, An19w]. Error
[KT96, Lev00, Sin04e, Bli94c]. Errors
[JHD+89, JS03]. Escher [Sin02d].
Essentials [Jer18a, Lar11]. esthetics
[Hag91b]. Estimated [HNC+04].
Estimating [PWH04, TT00, ZGP+13].

Estimation [DNBC16, GDY+11, SB02, UF11]. ETOMs [WW95]. Euclidean [FD03]. Euler [MS82, Wil85]. Europe [Enc00, Hay95b].

European [EGR94, Enc06, RMM+91]. EVAC [PBM+96]. Evacuation [CTJ+17, MJC08, PB06, She82, WZM+11].

Evaluations [Sim95e], evaluate [Bro89]. Evaluating [AJK15, BBC+20, CTJ+17, DB16, HWP+19, KTA+02, Liv05, MHR+09, MSC89, OKKP13, PGS+08, RMP+16, ST09, SS20, TM05].

Evaluation [AKFPW20, Ano84, BKS20, Bar84, BDH+89, BEK+03, BH84, GHS99, GWA84, LKPM19, LTD16, LCG83, MSB+06, NB93, OKS+17, PG509, SFD16, SM84, SM04, SRK90, USW17, Mi193, NB94].

Evans [MD99d]. Event [CPG+16, SOSG08, Ano14p]. Event-Driven [SOSG08].

Events [KN07, MZC+21, RXB09, SSZP15, WOo95]. Eventual [Sin14b]. Every [Jer18a].

Everyday [Gla03d, Jae17]. Everyone [Pac10, PP98]. Everywhere [BGD+99, BB13]. evidence [Sim93d].

Evolution [Bak88, BEK+03, DD84, Hag91b, Hue83, MTT85c, PBV16, Sin07d, Sin08c].

Evolutionary [CRT+10, CC20, McG93, Wor96a]. Evolving [Ano20w, Ano21s, Ano21t, VMJ9796]. ex [MM89, Mus90a]. Exact [AH95]. Example [FJP02, KS14, Sim87, WC11, OD88].

Example-Based [FJP02]. Exascale [Ahr15, Sin19c]. Excavated [ZZ99].

Excavation [KL18]. Excellence [Hay95b, Lea96a, Lea97d]. Exchange [RXB09, SH97]. Execution [PB85].

Executive [VG81]. Exercise [WD15b].

Exercises [WD15c]. Exergaming [SHMN09]. Exhibit [AWB+97, Hay95b].

Exhibition [DOH+20, IS95]. Exhibitions [HdlRL+13]. Exhibits [Gel06]. Existing [DB16]. ExoMars [MGC20]. Exotic [SPW84]. Expanding [JLS15, Kas13, KGB14, MFL08, TLCC17].

Experience [CLP+15, FIB+20, GDS+18, HMC+20, KPL97, RB+05, Sin16f, YSS+16].

Experiences [DRHL+03, Enc16a, HT04, KJA+18, MBS120, MM21, Sni87].

Experiencing [Ano98g, MFG+17].

Experiment [DPG18, Fei85, Use98]. Experimental [Hay97, MSW10, TM05].

Expert [Hay97, MSW10, TM05]. Expertise [Ker21, TBO+20]. Experts [Ano15-44].

Explainable [CL18]. Explaining [TH01].

Exploration [AGBC09, Bac16, BBT+13, CRD+18, GN83, HBW+14, HB16, II15, JKK+03, KK94, KP18, LOC+16, RRR+16, SBD17, SVW09, Sin13d, TH17, UCK+04, YLL10].

Explorations [BMC04]. Exploratory [FDK12, P099, SWK+12, SGEF+12, WVL+18].

Explorer [KCW+17, SHS+21].

Exploring [BHA+13, DSW07, FF20, Hag90b, JAPF07, Kro02, Lea96b, Ma00, MMM21, MG04, Mun98, Pru90, PG93, Rei02, RMD06, Rh11, RSDP01, Sin15c, SOSG08, Swo01, Zha21].

Exposition [Lev00]. Exposure [CTM18].

Express [LM10]. Expression [LSQ+12, LZR+21, Sin08e, WKM+04].

Expressions [Bli00d, EG98]. Expressive [CT04b, Dev13, LM10, LS95].

Extended [AVV20, OKM84, Chi87].

Extending [BHA+13, DSW07, FF20, Hag90b, JAPF07, Kro02, Lea96b, Ma00, MMM21, MG04, Mun98, Pru90, PG93, Rei02, RMD06, Rh11, RSDP01, Sin15c, SOSG08, Swo01, Zha21].

Extensible [CMBZ00, LS08, MTTF85, MRD06].

Extension [DJP+08, PM86]. Extensions [Pic92].

Exterior [LHZ+21].

Extra [Ano98j, Ano98h, Ano98i].

Extracting [Lar11, LY02, LFPS01, ...]
PSX13, Rie93, ZTT99]. Extraction [LF87, LLR09, MGW+18]. Extrapolation [LZR+21]. Extraterrestrial [Pic95].

Extreme [CPA+10, Ma90, WSP12, WSJ+12]. Extreme-Scale [WSP12, WSJ+12]. ExVis [Us98]. Eye [DLN05, KW15, MKL97, Whi95a, HKW99]. Eyeglasses [ZGL+17]. Eyes [MGC20, Sin03d, Sim94a].

F [Sin12f]. Fabric [EDC96, MD00f]. Fabricate [SR13]. Fabricating [BRL+17, TMB+13, Wan10]. Fabrication [BKLZ17, BA13, CMPA18, IO07, Mue18, KGM95]. FabSquare [BRL+17]. Facades [Fin08, FZH+13]. Face [CD12, Gla04a, HML83, Mar82, YLR17]. Faces [Bee15, PB10, TMB+13, Sim94a].


Factory [SBC15]. Fail [LMWC17]. Fail-Safe [LMWC17]. Failure [BQF+19].


Fantastic [Abo00b]. Fantasy [Cha97a, Pac04]. Farewell [Bar05, Bl94b, Taw12a]. Fast [Ash03, EWS96, Glk84, GPR94, HHK17, HJCW06, KLSZ03, Kan09, KSLL07, LGW+12, LFT19, LB+13, MD99e, POC+12, RKJH99, Rob87, SW83, SK97, Sin10f, U091, Web08, WW95, GFB87].

Faster [De97, De99a, FM89b, FB81, KS97, Gre91a]. Fatal [HMRS06]. Favor [Lea96a]. Fear [HKW+96]. Feasibility [PK87, SC21]. Feature [CM92, HR98, LF84, LTS+13, LWZY19, LLR09, MD00f, Mar83, SW85, SSC+11, WBS+05, WO08]. Feature-Based [CM92]. Featured [Ano20-70]. Features [GZ88, JS10, KTD10, KLR12, KHP12, LF87, Sch17, WMG97, SG90]. Feedback [AV20, Bar15, COM15, HH95, SK05]. Feel [MKH20]. feels [Wor94]. Femoral [GRWN87]. Fernbach [Ano17-31]. Fiber [Lea96c]. Fiction [Ano98g, NMRI06].

Fidelity [ADBR+12, Bee15, MH04, NK14, SB11]. FIDS [Kan88]. Field [Ano10d, Bas14, CR15, CMB94, FPH+06, FTAT00, Gk05, HTZ+19, HLC08, Rok96, Sch00, SW+98, WHL+12, Wri83, Ym95, HH91, Hnp89, PT92]. Fields [Ba97, DBV89, FUF06, IL83, IXW+08, KVM+05, KHP12, STW+08, Tye02, U1L+06, Dn93, EW96, Mjm93]. FieldVis [FO+07].

Fieldwork [PVV+03]. Fighter [Gha12]. Figurative [CM16]. Figure [AGL87, BMW87, BWP+16, HE82, WH97, Zel82]. Figures [CBD+93, Fet82, Mac90].

Figurines [TMB+13]. Filaments [MWY+15]. Filials [HDK95, WH99, Ano98j]. Fill [Gla01b, Her86]. filling [Sch93a]. Film [Bux05, FH84b, KB14, MT87b, MM21, Mor98]. Filter [GH86]. Filtering [Gas16, JBB10, LKPM9, LR90, Sin14c]. Filters [BS89, CRC+02, Sin05b]. Final [Ano95e, Ano95f, Ano95g, Ano96e].

Financial [MD00f]. Find [De99a, HMC+20, MG92]. Finding [Cha99, GCS+12, Hov00, NB04, War04]. Fine [MWY+15]. Finger [PBVH15]. Fingerprint [Han00b, PSX13, Sim94b]. Fingerprint-based [Han00b]. Fingertip [OK02]. fingertips [Sim95c]. Fine [EDC96, OATO85, SSB06, TCH+96, UTM11, YS83]. Finite-Element [EDC96, SSB06]. Fire [Abo98a, FMMS03, RHC95].
[TSK97]. fireworks [LTSE92]. First
[BEHt82, Die85, Han00a, Han14, Hee99, HLCC08, Koz12, PRN15, BHK91].
First-Generation [Hee99]. First-Person
[HLCC08]. Firsts [Sin12f]. Fit
[Ao16-37, Ao16-38, VCBS97, Ao17z].
Fitting [ADBW96, BMC84, BW94, VK17].
Five [Hilb04, Jer18a]. Flag [GA97]. Flames
[Dio97]. Flat
[Bal97, Lea96d, MD99f, Zuc84, Kan88].
Flat-Panel [Bal97, Lea96d, MD99f, Kan88].
Flatland [MD99f]. Flattening
[SM86]. FlatWorld [PNPS03]. Flaws
[HMRS06, TMWJK04]. Flexibility [Sin15d].
Flexible [BFB+98, CPC08, DD04, EWS96, EDC96, KB14, LSQ+12, PBR+14]. Flight
[AHDG00, Gla00g, Lk95b, Sch81, Sin17d, Yan85, ZMR+88, CG94]. Flipping
[LPOLID18]. Floating [Bli97a].
Floating-Point [Bli97a]. Fledar
[Ao98z, Tre98]. Flood [Hua21]. Flooding
[ZCS+06]. Floor [Del99b]. Florentine
[Ao99b, BRM+02]. Flow
[Dil04, FOI+07, FMMS03, GCS+12, Gün20, HTZ+19, Hed84, IC98, JS10, KHP12, STW+08, Sin11b, SFL+04, Tre98, War08, YIK85, van93, vHdP94, JM95]. Flows
[KSRS13, RGG19, HH91]. Fluid
[Bro15, CdHM97, Gai04, KC05, NL02, vHdP94, HH91]. Fluid-Based
[NL02]. Fluids
[DYS+07]. Flurries [SFL+04]. Fly
[MHC98]. Flying [HWK+96, MKH20].
Focus [WVL+18]. Focus
[Ano95e, Ano95f, Ano95g, Ano96], Ano14c, Ano15d, Ano15e, Ano16c, CS17a, Ebe05, KMH02, MGN+11, SP15]. Focused
[GLC11]. Focusing [GLRK06]. Foe [Bal97].
Fold [Gla98c]. Folk [VVP+11]. Follow
[ZWWS19]. Follower [SKN+05]. Following
[Dil04]. Fond [Bar05]. Font [MTS+20].
Fonts [HBBG95, HH01]. Food [MMMM21].
Force [ACL+12, HF18, HWP+19, HH95, SK05, Bro89]. Force-Based [ACL+12].
forecasting [TC96]. Forensic [UBS+12].
Forensic-Case [UBS+12]. Forensics
[Han00b]. Forest [ZK10]. Forget [Del05].
Form [Cas87, CS07, HT98, Kim84, KKAM84, LW94, LFOI15, SB86b, Ano96b, Ano97g, Chi87]. Form-Based [KKAM84].
Format [Dom00, RDDY07]. Format
[Agu86, BE11, FL00]. Formations [GD13].
Formgraphics [KKAM84]. Forms
[FH85, Sei93]. Formulae [Wil85].
Formulation [Bli03a]. Fortran [Bli94b].
fo3 [IP92]. fossil [KDH95b]. Foster
[Gai17, SFD16]. Fostering
[Dom12, RGRLFM21]. Foundations
[HS04, HU83, RET+94]. Fountain [YL09].
Four [Bli04c, Mac94, Wix83].
Four-Dimensional [Wix83]. Fourier
[Gla99d, MWM87, SP04a]. Fourth [HH92b].
FoxTrax [Cav97]. Fracas [Sin05c]. Fractal
[CR94, Har96, OF14, Sin05c, Sin06b, Sin09c, Sin15e, Sin16a]. Fractals
[MD95b, Sin05f, Sin14f, Van10, GBC93].
Fractional [Bli88b]. Fragile [CT09].
Fragmentation [TS13]. Fragments
[Sin08b]. Frame [FG85, GF86, PEMF92].
Frame-Buffer [FG86, PEMF92].
Frameless [TLL+96]. Frames
[AH95, MED+93]. Framework
[BDW+19, CXW+20, DKS+05, DM02b, GTHL99, HW18, JAC+08, KSRF11, KGR+18, LGK+06, MD02e, RB14, SPA+16a, Tak85, VP99, MD99e, MD99d].
Franca [SR16]. Fraunhofer [EAr98]. Free
[AHDG00, Cas87, CS07, COM15, Dai89, DDdSC11, FB3, HT98, Kim84, LW94, Lea96d, PLS+16, SB86b, Chi87, EW96].
Free-Form [Cas87, CS07, HT98, Kim84, LW94, SB86b, Chi87]. Free-Throw
[COM15]. Freenum [Men94]. Freehand
[RLOW13]. Freestyle [GD13]. freeze
[MED+93]. freeze-frames [MED+93].
Fresh [Ano14d]. Friend
[Bal97, Bli04a, Hay96a]. Friendly [Pat12].
Frieze [Gla96a]. Front [Ano14e, Ano14f, Ano14g, Ano14h, Ano15e, Ano15f, Ano15g,
Gol00, Hei94, KHP12, KPTS89, Lee08, LS21, MD02e, MGO+16, MK84, Nie92, Ozt15, RSDP01, Ros89b, SG86a, Tak85, Tau12b, UTMII11, WW86, Wil81b, Car87, FH85, GJ93, GU86, GBCK93, Kali87, Til81. geometric-modeling [Kal87].
geometric-modeling/drafting [Kal87]. Geometrical [DM02b, MD02e]. Geometrically [BD90].
Geometry [Bee15, Ben99, Bli05c, Cam17, FD03, FWSN86, GTHL99, Mil99a, Mil99b, RR86b, SW83, SR16, SM86, SG86a, WKS86, Cam91, GG92]. Geometry-Based [Ben99].
Geophysical [GDF+14]. Georges [LFE+18]. Geoscience [JLMV06, SSZS21]. Geoscientists [FPH+06]. Geospatial [DMAS17, GDS+18, HJF06, Jon07, KPSN04, MMR+06]. GeoTime [PCH+07].
Geovisualization [Kra06, MGP+04, RMD06]. GeoWall [JLMV06]. Gestalt [RC15]. Gestural [KDMH17, RLOW13, Mak87]. Gesture [BPB14, OSK00, KmKK+18]. gesture-based [KmKK+18].
Gigapixel [BE11, PPKM15]. GII [DB96, GB96b]. Girls [Wea98a]. GIS [Wor94]. give [Sim94a]. Given [FM82]. GKS [BEHt82, BDDH95, GKS6, MN84, PM86, Sch86, Spi86]. GKS-3D [PM86]. GKS-94 [BDDH95]. Glance [BFH02]. Glasses [Del05, Hay95b]. Glassner [BG96, Gla02a, Gla96e, Gla96b, Gla96a, Gla96d, Gla96c, Gla97a, Gla97e, Gla97d, Gla97c, Gla97f, Gla97b, Gla98e, Gla98b, Gla98a, Gla98f, Gla98c, Gla98d, Gla99d, Gla99f, Gla99b, Gla99a, Gla99c, Gla99b, Gla00a, Gla00e, Gla00f, Gla00b, Gla00c, Gla00d, Gla01b, Gla01f, Gla01a, Gla01c, Gla01d, Gla01e, Gla02e, Gla02d, Gla02f, Gla02b, Gla02c, Gla03a, Gla03b, Gla03e, Gla03f, Gla03c, Gla03d, Gla04a, Gla04b, Gla04e, Gla04f, Gla04c, Gla04d, Gla05a, Gla05b].
Global [GB96a, GOPK18, JLL+10, MYK+08, MED+93, Sim96c, Whi20, ZCBM14]. Glove [MGO+16, SZ94]. Glove-based [SZ94].
Glyph [LMWC17]. Glyphs [CE98]. GMSOLID [BG82, Sar82]. Go [Ano18-50, Hay96a, Mac97a, Ano14-39, Ano15-43, MD99e]. Goal [KB82, Lea96a, Mas98, MOD00, NLvLM09].
Goal-Based [MOD00]. Goal-Directed [KB82, NLvLM09]. Going [Gla97a, Sin19f].
GPU [Bai09, Bai11, Bai13, IO07, JCM07, RNNTD14, RBE08, SWS07, Ste18].
GPU-Accelerated [RNNTD14].
GPU-Based [JCM07, RBE08, SWS07]. GRAAL [JAC+08]. Grabbing [KP14].
Graceful [Alp93]. Gradient [ZGP+13].
Gradients [CPM+18, KGM95]. Grading [AJK15]. Graduate [EE12]. Graduates [NK94]. Grain [Sin11a].
Grand [CZP+10, FKK+10, vL16]. Grandpa [Bli92c]. Graph [BVD19, DFM+02, HWP+19, IK15].
OKS+17, Pat12, RBD14, SR16, SZMJ12, SSZP15, WCG+11, WZQ+19, SK91].
Graph-Based [RBD14, SR16, SSZP15].
Graphical [Ano92h, Ano93m, Ano93n, Ano93p, Ano93q, Ano94k, Ano94l, Ano94m, Cai20, GF94, MOP98, Mar83, Mar84, RC85, Sim93b, Sto00, War00, McC83, MF89].
Graphically [Agu86, DiS14, FPJ04, MTT83, SWD+98, Wil84, Alp93, ODS88, PM86].
Graphically [Agr09, Cha09, CW09, GDS+18, Mac09, Saw08].
Graphics
GUIDON [RC85]. GUIDON-WATCH [RC85]. GUIs [LS08]. guitar [Ano97i].


Habitats [MR98]. Hair [XY01, WS92]. HairStudio [XY01]. Halos [Gla96c, GL96b]. Hammung [LMWC17].

Hand [HFZ+13, MIA+08, KMKK+18, LK95a]. Hand-Drawn [MIA+08]. Hand-Driven [HFZ+13]. Handled [EZM+97]. Handheld [BVRF05, SPT+15]. Handler [Goo86].

Handles [KP14, MD99d]. Handling [BHP07, ESS82]. Handprint [WB85].

Hands [BPB14, Kas12a, NF11, Sin21b, Sin94a]. Hang [CZP+10]. Happily [Ger96]. Happiness [Got09]. Haptic [BSA+04, CT04a, DYS+07, HS04, KS04, KP18, KW04, KL99, LPLN04, LGM13, LS04b, LS04a, LO05, LLZ13, LX04, MH04, SS97, SB04a, Sin04d].

Haptic-Based [LLZ13]. Haptic-Rendering [KSD04]. Haptics [BDK+04, GHQ04b, SM04, Sin04b].

HaptiStylus [ABS16]. Har [JB02, Kas12b]. Hardware [ABS+05, Ano94a, Bar91, BFP86, Eng90, GH05, Hob81, Kas13, KY97, Lazz87, MD96c, Mac96, Mac97b, Mac98, MD99f, MD99e, MD99d, Mac99b, MD00f, Mac01, Mac03, Mac04, SR13, WBS+05, Pap96, Sta91a].

Hardware-Assisted [Bar91, KY97, WBS+05].

Hardware-independent [Pap96]. Hardware/Software [MD96c]. Harlan [Anol18a]. Harlem [JLC+02]. Harmful [BT07]. Harmonic [MG88a]. Harnessing [Int90, RTF+05, SQG+05]. Hats [Sin18f, Whi94a]. Having [Enc17b].

Haystacks [War04]. Hazard [Hua21]. HD [HKW99]. HD-Eye [HKW99]. HDR [SPA+16a]. Head [HCL+20, MD00f, RS14, SK13, HCL+20].

Head-Mounted [HCL+20]. Head-Pose-Based [RS14]. Heading [PPA14]. Heads [Hay96a]. Healing [Tak05].

Health [CLP18, Han01, LTD16, MGA+21, Saw08]. Healthcare [GB16]. Hearing [GDS+18].

Heart [WOF96]. Heart-Vessel [WOF96]. Hearts [Ano97i]. Heat [SMP9+19].

Heidelberg [MMS91]. Heights [Anol15-44, GE98]. Helical [PR08].

Helicopter [MG14]. Hell [Dia97]. Hello [ST10]. Help [Ano18b, LS018, Rei17].

Helping [Del02, DASF13]. Helps [Del99a].

Her [Sin11c, Sin12c]. Here [Bar00, Del98b, Bl189c]. Heritage [Nol14a, Anol14b, BT00, EHBPG04, GBT+02, RSZ20, Sin14a, SPM10]. Herzog [Anol8b].

Heterogeneous [AOH+14, PGM19, RFK+13]. Heuristic [SFD16]. Hey [BG96]. Hidden [DOH+20, He82, MR87, OKM84].

Hidden-Surface [MR87, OKM84]. Hierarchical [CCV85, FUF06, GPW9+19, Gla00b, GD93, HLE04, ITS06, LW+18, MKF87, SW88].

Hierarchies [G87b, SL00]. hierarchy [FH85].

High [ABR+12, AJD13, Ano15m, BL14, Bee15, BB82, CB86, C++07, CNL00, DBS96, Del99a, DASF13, DSS4, FT00b, Gas16, HBB95, HKW99, Iko84, JLW08, KKV+02, LS84, MD99e, MT83, MH04, MQR99, MMP+07, NK14, Rot03, SFF+00, SBM20, TO83, War85, XPH05, DWL+92, Sin95b].

High-Dimensional [Gas16, HKW99].

High-Dynamic [JLW08].

High-Dynamic-Range [XPH05].

High-Fidelity [ABR+12, MH04, NK14, SBM20].

High-Level [MTT83, TO83].

High-Performance [CBB86, DD84, FT00b, War85].

High-Precision [MMP+07]. High-Quality [Rot03, HBW95].

High-Resolution
[CCC+07, KKV+02, MQR99, SFF+00, Sim95b]. **High-Speed** [DBS96, Ike84, LS84].
**High-Tech** [MD99c]. **Higher** [Dwy16].
**Higher-Order** [Dwy16]. **Highlights** [Ah03, GH97, vWNS10]. **Highly** [XZWH14]. **Historic** [ATS+03]. **Historical** [RV82]. **Histories** [DOH+20]. **History** [CR02a, Hag90d, Lor20, Woo91a]. **HLS** [FS86]. **HMDs** [CR15]. **Hockey** [Cav97].
**hole** [ABB+93]. **Holes** [HT98, Sch93a].
**Holly** [II10]. **Hollywood** [PNPS03].
**Holograms** [Bim06, PF83]. **holography** [HH92a, Sch91].
**Home** [Agr21, Ano15m, Bar15, Lat98, Lea96a].
**homes** [FJ87]. **Homogeneous** [ERS13, Rie81, Bli93b].
**Homographies** [PXC02]. ** Honor** [Hay95]. **Honoring** [Ano19-30, Ano19-33, Ano20-34]. **Hopefully** [SF20]. **Hopper** [Ano88a]. **horizon** [Bli95e].
**Hosek** [Wil13]. **HOST** [Ano19-36, Ano19-37]. ** House** [Ano14s, Ano14-29, Ano15c, Ano15t, Ano15u, Ano15v, Ano15-35, Ano15-38, Ano16d, Ano16g, Ano16r, Ano16s, Ano16t, Ano16u, Ano16v, Ano16y, Ano16x, Ano16z, Ano16-27, Ano16-28, Ano16-29, Ano16-30, Ano16-35, Ano16-47, Ano16-49, Ano16-51, Ano16-53, Ano17a, Ano17c, Ano17p, Ano17-27]. **HPC** [Ano15q, Ano18h]. **Hubble** [LK95]. **Hulls** [RSR83].
**Human** [AGL87, Atw84, Bad82, Bee15, BRD17, Bol94, BBC+87, BvdE+99, CCP82, CBD+93, CNT+97, CMSE08, DBV+08, DLEF15, EJ98, Enc16a, Fct82, FWC84, Gre84, HS04, HWY16, HE82, IK15, Jer18a, KJA+18, hKKS17, KB96, Koc94, KW10, LBS+03, Liv05, LK08, MGA+21, MKL97, Mun08, NZB00, Paq96, PB10, SDR16, SR99, Sin16f, Sin21b, Smi84a, SD83, TK03, Ta97, VCR98, WCI11, Wil82, YNH04, YCFK15, aCJF+12, vOW15, KDH95b, MB91, Sim96b, TSH96, Whi95d].
**Human-Centered** [BvdE+99, Jer18a, Ta97, YCFK15].
**Human-Character** [WC11].
**Human-Computer** [Koc94].
**Human-Robot** [DLEF15].
**Human-Virtual** [BRD17]. **Humanities** [BSS20, BEAC+18, CDLS19, CN03].
**Humans** [BES17, CGMB20, CEMTT98, EMTTT98, EBT98, KMTM+98, Lok06, LCR+14, Tae16, YBL+12]. **Humpback** [WAP06]. **Hungry** [Sin19a].
**Hurrah** [ScNG99]. **Hurricane** [ZCS+06]. **HuSIS** [SWDR16].
**HutWindows** [KM88]. **Hybrid** [KSD04, Lev90, RFK+13, RLG+02].
**Hybrid-Reality** [RFK+13]. **Hybridized** [DOH+20]. **Hydrothermal** [LSB21].
**Hyperbolic** [Bli04a, Mun98, OC14, Bli95e].
**Hyperfun** [CAP+05]. **Hypermedia** [Ano19, CLC+96, Cra91]. **Hyperscore** [FPJ04]. **hyperstream** [DH93].

**I-WAY** [DB96]. **I/O** [KHP+11]. **i3Drive** [AP10]. **i860** [GK89]. **Ice** [ASP+21]. **Iconic** [Lo83, Mar84]. **Icons** [YLI1, Hag94].
**Identify** [Han00].
**Identifying** [MGO+16, SSZP15, TCH+96].
**Identity** [Mar84, REF+06, SCOSL13].
**Identity-Differentiating** [REF+06].
**IDGraphs** [RGL+06].
**IEEE** [Ano19r, DPL+11, GGS+18, LZF+14, OKET12, SKS+13, Ano98f, Ano99, Ano00, Ano03a, Ano04a, Ano13b, Ano14a, Ano14b, Ano14c, Ano14d, Ano14e, Ano14f, Ano14g, Ano14h, Ano14i, Ano14j, Ano14k, Ano14l, Ano14m, Ano14n, Ano14o, Ano14p, Ano14q, Ano14r, Ano14s, Ano14t, Ano15a, Ano15b, Ano15c, Ano15d, Ano15e, Ano15f, Ano15g, Ano15h, Ano15i, Ano15j, Ano15k, Ano15l, Ano15m, Ano15n, Ano15o, Ano15p, Ano15q, Ano15r, Ano15s, Ano15t, Ano15u, Ano15v, Ano15w, Ano15x, Ano15y, Ano15z, Ano16a, Ano16b, Ano16c, Ano16d, Ano16e, Ano16f, Ano16g, Ano16h, Ano16i, Ano16j, Ano16k, Ano16l, Ano16m, Ano16n, Ano16o, Ano16p, Ano16q, Ano16r, Ano16s, Ano16t, Ano16u, Ano16v, Ano16w, Ano16x, Ano16y, Ano16z, Ano16w, Ano16-27, Ano16-28, Ano16-29, Ano17p, Ano17j, Ano17k, Ano17l, Ano17m, Ano17n, Ano17o, Ano17q, Ano18s, Ano18u, Ano18t, Ano18x, Ano18y, Ano18z, Ano18w, Ano18r, Ano18y, Ano19a, Ano19-30, Ano19-31, Ano19-32, Ano19-35, Ano19-36, Ano19-34, Ano19-33, Ano19-37, Ano19-38, Ano19-39, Ano19-40, Ano20r, Ano20-47, Ano20-48, Ano20-43,
IEEE
[Ano20-44, Ano20-38, Ano20-45, Ano20-41, Ano20-39, Ano20-50, Ano20-42, Ano20-46, Ano20-40, Ano20-52, Ano21-33, Ano21-36, Ano21x, Ano21-35, Ano21y, Ano21z, Ano21-34, Ano21-27, Ano21-28, Ano21-29, Ano21-30, Ano21-31, Ano21-37, Ano21-32, Hay96b, Hay96f, LRS09, PBSB08, Sto07, vWNS10, Ano18a, Ano18b, Ano19o, Ano19g, Ano19h, Ano19i, Ano19j, Ano19k, Ano19l, Ano20j, Ano20k, Ano20l, Ano20q, Ano20m, Ano20n, Ano20o, Ano20p, Ano20-32, Ano20-30, Ano20-31, Ano20f, Ano20g, Ano20h, Ano21o, Ano21r, Ano21p, Ano21q, Ano21w, Ano21d, Ano21e, Ano21f, Ano21i, Ano21g, Ano21h, Ano21j, Ano21k]. If [Cai20, Fre84, Sin02f]. iFeel [TN10]. IGES [GG87, Ken81, LK82, Smi83]. II [DPG18, HHH+21, Mus90a, RLIB99, SW88]. III [Kim84]. III [Mac90]. Ill-Conditioned [Mac90]. Illuminance [GUFG15]. Illuminating [DOH+20, HH92b, Sin17b]. Illumination [ANS15, MYK+08, RDRS10, Whi20, ZCBM14, ZGP+13]. Illusions [SB13]. Illusory [Abo00a]. Illustrating [LWY+20]. Illustration [BSP97, GAB+18, SE05]. Illustrative [HBP+07]. Illustrators [Kon12]. Image [AK84, AL11, AJK15, BFK+84, BN99, CCT+20, CGB86, CRD+18, CPX19, Deb02, DG99, DNBC16, ESS82, ERH+11, Eng97, FK87, FS90, doDM+19, GLC11, GPW+19, Gla03e, HG83, HNC+04, IKMF12, IWF97, JLW08, VCR00, JF99, KB92, KKMH90, LKS96, Ler82, LW13, LPZ12, LWZY19, LLL+13, LZS04, MTT87a, MKL97, Nea89a, OSRW97, PP95, Rie93, RM95, Sch81, SMWS88, SKP09, TSLX12, TLC02, TA85, TTO, UCK+04, VP99, WK85, WKHL96, XJW18, XJ94, XPH05, Yan01, YY16, YBL+12, YMS01, Zha96b, Bro88, GFB87, Har96, Kor87, LH92, MNR+91, WS92, DWL+92]. Image-Based [CXP19, Deb02, HNC+04, IWF97, LZS04, TLC02, UCK+04, DG99]. Image-Generation [Eng97]. Image-Space [SKP09]. Imaged [DM02a]. Imaged-Based [DM02a]. ImageHive [TSLX12]. Imagery [CTM18, KB88, WFR+00, Yan85]. Images [AFYC03, CFF01, DNBC16, FI83, GJM18, GH86, GZM97, HU83, HM85, LCA96a, Lea96d, LWS98, LS84, MA+08, MTTF85, MKFN87, OSJ11, PCJ+16, QNT02, RAPL98, RGW05, RGAS01, Rob87, SW83, SLNG07, SPA+16a, SN86, SKN+05, Tit07, TR93, WGZ+18, WN82, YP08, ZJH+18, Zhu19, FG88a, Ger91, Kor87, NINT89, SR93, WFG92].

Imagination [Coh00, SH03]. Imaging [BKS19, BEG92, CDBL83, Del98b, Dev99b, Dev00, FY84, FY85, Gel07b, GBT+02, Hei18, LSB21, Mas18, MMP+07, PB+96, RFT+05, RD+02, SK03, SC21, SDT+93, UBS+12, WH99, BHK91, CG94, Ker91, NF91, Dev99a]. Imagining [FBML15]. Immersion [JLC98]. Immersive [Ano18c, BH16, Bol94, BMC04, BRL06, CMT+10, Cam16, FEN19, FPH+06, HCL+20, HW18, KND+18, KH14, LBDM19, MR98, MLJ19, MTN18, MG04, ND+16, NP+18, PPK15, PBSB08, SSM+07, SKMY09, VM07, WHK+13, YMK+12, ZWS19, ZED+09, vDFL+00]. Impact [CLP18, GSFT16, Hua21, HLFL20, LSC+17, SF20, Tho00, Wei84]. Impacts [LSVB21]. Impaired [GJM18, PSE+09]. Imperfect [Ger98]. Implementation [ABS+05, PP12]. Implementation-Oriented [PP12]. Implemented [Mam89]. Implementing [BH81]. Implementor [AEB86]. Implicit [Ho93, KS01, NB3, SB03a]. Implicitly [Cha88, HW90]. Improve [Kee10]. Improved [HBB20, HB97, KM88, Koz10, PB85, RR84, TH14, XZZL19]. Improvement [JDZ04]. Improving [AMJ+08, AESF21, CNC+05, KDMH17, Pal81, SKW+12, Sin18c, SOM+10]. Improvising [Sin03b, Sin16b]. IMU [HROIK16]. IMU-Based [HROIK16].
**Interacting**
[Bai01, EBT98, Enc15b, FBML15, HdlRL+13, SB16, SC06, Str04, WLVL+96, WB14].

**Interaction**
[BVRF05, BRD17, BPB14, BJ18, Cat96, CMO+99, DSP+14, DYS+07, End14, ECNZ15, FWC84, FLMZ97, FPW+00, HILL14, IZ07, II15, Jer18b, JLS15, KMS07, Kec10, KBHT06, KGB14, Kul09, LaV08, LGZ04, LSR+00, LFOI15, MMR+06, Mue18, Mye87, PM06, SB06, SE19, SNS7, SHS+21, WHKM+13, Alp93, WC91].

**Interactions**
[BVRF05, BRD17, BPB14, BJC18, Cat96, CMO+99, DSP+14, DYS+07, End14, ECNZ15, FWC84, FLMZ97, FPW+00, HILL14, IZ07, II15, Jer18b, JLS15, KMS07, Kec10, KBHT06, KGB14, Kul09, LaV08, LGZ04, LSR+00, LFOI15, MMR+06, Mue18, Mye87, PM06, SB06, SE19, SNS7, SHS+21, WHKM+13, Alp93, WC91].

**Interactive**
[ADBR+12, ABVA08, AP10, AOH+14, BMS84, BBF+98, Bar95, Bar97a, BOP+19, BK16, BSM+15, BH16, BFi93, BAAQ21, BBC+20, BG82, BTTU84, BB+13, BHP07, CW96, Cro87a, DCCE19, DBV89, DPL+11, DG99, DAG95, ERH+11, Ell94b, ECNZ15, Eng86, FEV+01, FJHW00, Fab98, Fre86, GN83, GAB+18, Ge06, Gir87, Gla02e, Gl02d, GB16, GS88, GHHQ04b, HF18, Hai06, Hay96c, HCV+13, HB16, HHBEH13, HEP+07, Hua11, IML4, Iga19, IHW+13, JWL+18, JXW+08, KIN+05, KK02, Kan88, KFH+18, KWK21, Kas11c, KD20, Ken20, KMM+01, KKN96, KY97, LD99, LSV+02, MVWB05, MSA+94, MSK04, Mor05, MMD+19, NOK+08, Nea89a, NM106, ONDA20, PLM+19, PM82, Pie87a, RR95, RLL03, RGA+83, RNTD14, RPHW11, RF+06, SKR18, SPMK14, SWdWVW12, SS01, SBD+17, SS19, SWS07, SKP90, SRL06].

**Interactively**
[BHPB+12, CEO+93].

**Interactivity** [SO95].

**Intercomparison** [LSC+17].

**Interdisciplinary**
[RBMS17, RSZ96].

**Interest** [RGRLFM21].

**Interface**
[An18f, An18z, Bli05b, BSHB01, EJ98, FKC+05, GPA+17, Gre86a, HZHD03, KMS07, KGB14, KPL17, KMDH17, KL09, MD99d, MTT85a, Mar82, Mar84, MCP+06, Mye84a, OBE+84, Ovi83, PFA86, Pra84a, RD90, RC85, RSE99, RZSP94, SZP+00, SBM86, SRS83, SKN+05, TK03, Tak85, TM88, TWB+07, WP87, Wi84, Wi86, KmKK+18, Ols86, Pe88, Rob88, An19s, An19t].

**Interfaces**
[BH16, BPB14, BCF+08, BSHB01, CG85, CW09, EH03, EI17, F09, GSS05, HdlRL+13, Kas13, LJ15, LGM13, LS04b, Ma00, MSWT14, PARV05, RSP15, SKJ+13, Shn03, SWD+98, SS20, SS15, WFOP85, WWV+10, EFB+94, Mye88, WC91].

**Interfacing** [Lod83].

**Interference** [Dia91, SFC10, Dia94].

**Interior** [MG14].

**International**
[An20r, CPC99, Jar83, BHK91].

**Internet**
[An19h, Bai95, Hoe12, MD99e, MD99d, PTB+15].

**interpersonal** [Phi91].

**Interpolation**
[CW88, DMR83, FM89a, HZB92, RW93].

**Interpolatory** [FM90].

**Interpretation**
[MD00f, SD07].

**Interpreting**
[MUN+10, VVP+11].

**Interrogation**
[HHS+92].

**Intersection**
[HAG83, LF84, PO84, AB90, DS87, Sug92, W83, YSSP91].

**Intersections**
[SB03b, Pat93].

**Intersystem** [LK82].

**Interval**
[MB04, SF92].

**Intervals**
[WDK17].

**Intervention** [CYZ+13].

**Interventions**
[RNNTD14].

**Interview**
[CF16, CS17a, Nea89b, SCN90].

**Interviews3D** [BHP07].

**Interweaving**
[KJA+18].

**Interwoven** [WW07].

**Intracardiac** [CYZ+13].

**Intracranial** [FZY84].

**Intraoperative**
[SKS+96b].

**Intricate** [Tit07].

**Introduced**
Introduces [MD99c].

Introducing
[RT07, Sto07, Tau13a, Tau13b, Zhu12].

Introduction [AD05, AS10, AS11, AR99, BO09, BC05, BES09, BSS20, BDM02, Bre96a, BEG92, Bre97, BNP99, CR02a, CH10, CCR10, Coo02a, CES07, DM02a, Dev99a, Dil98a, DS07b, Ear97, EMTTT98, Ear01, EFD05, ED93, EH03, Eng97, FT00a, FSK07, FM03, FL00, GE97a, GE98, GW98, GHR01, GH97, GP93b, HJ03, HJS00, IZ07, JB02, KM00, KMS07, KNR93, KF05, LK03, LS04b, LOB08, MP99, Ma01, Ma06, ML05, MT94, MB95, MEW98, Mun02, Myk88, Nie92, NVC92, Nie93a, PP98, Par98, PB10, PG09, PP12, Rho93, RR96, Rho97b, RMD06, RR03, RA93, RS99, RBF95, RSZ96, RBT98, Rus11, SB06, SC06, Sto99, SP04b, SBE95, Tau12b, TF01, TR94, WB00a, Won99, vH90, vL06, vWNS10, BS16, FDC14, GP91a, L14, Sei93, Sta91b].

introduction [Sto15, TC15, YCKF15].

Introductory [DiS14, Hai06, SCB04a].

Intruders [TMWJK04].

Intrusion [EWF02, ITSK06, RGL +06, SZZ +18].

Intuitive [WC11].

Invariant [ANS15].

Invariants [Bli02a].

Invent [An017c, An017b].

Inverse [KB96].

Investigating [GDF +14].

Investigation [BBC +87, SMP +19, THB +90].

Invisibility [Nie07, Bli88b].

Invisible [DOH +20, Sin19c].

Inviting [CVS19].

Involving [DSP +14, FD12].

Ion [RLV +16].

Iowa [CN00].

IRI [An020r].

Iris [LS +03, Nie84].

Iron [BVRS +11].

IrPen [HLL14].

Irradiance [DDaSC11, GSHG98].

Irregular [Gie92, MW82].

irregularly [IP92].

ISDN [Jon93].

Islands [SMP +19].

Ismar [SR10].

Isn’t [KHPP06].

Isogeometric [AESF21].

ISOS [BDH +89].

isosurfaces [Wal91].

Issue [Agr09, Ano19-54, Ano20s, Dil98a, Enc17b, LQ18, Rus11, Tur02b, Whl97].

Issues [Fis02, Hal87, Mil86, Mil89, Mur84b, Pra84b, Ros94, Sli84a, Sto01, Whi95d, EFB +94, HPrW94, KKK +94, KSS94, NBG +94, RET +94, RN94].

Italic [Hua11].

Italy [MFG +17].

Iterated [Van10, Har96].

Iterative [LCW12, SL00].

Itself [Per16].

Key-Node-Separated [IK15].


Know [Gla98c, Jer18a]. Knowledge [Bec97, CEH+09, CH10, CPG+16, HZHD03, KTD10, KW10, MGP+04, MSW10, dSNRdLSN16, RC85, SF94, Ano18-40].

Knowledge-Assisted [CH10, CPG+16, KTD10, KW10].

Knowledge-Based [RC85, SI94]. Koch [PS88]. Kunii [Woz21].

L [Woz21]. L. [Use93]. Lab [CNL00, GK05]. Labeled [SSTP18]. Labeling [LFT19].


Landscape [ErV93, FBML15, MMR+06, QNT02, SC21, War00]. Landscapes [BCMF16, LFFB20, RGCBO7, Sin16c, YZM+11]. Language [CW96, FSB82b, Per16, SG86b, SS20, YIK85, FSB82a, G888, Pal92, St99]. Language-Based [CW96]. Languages [BBK82, SR16]. Laparoscopic [LGK+06].

Laplacian [KSSL07]. Large [ABM+01, AFYC03, AKJ15, Bal98a, BWA96, BE11, BB05, BSA+04, BFBK00, CRF+21, DSP+14, DSW07, EHBPG04, EWF02, FS01, FKKB05, FL00, Fyo07, HYN03, HMR806, HLW+07, JBH+10, JXW+08, Kan09, KPSN04, KHP12, KMM+01, KKK99, KCC+01, KF05, Ma01, MP01, MSWT14, Mor05, MRBW12, Mun98, PSJ87, RL07, RKF+13, RS14, RC+05, RW99, SBM20, SB16, Sen99, SBSW96, VBHS11, VK17, WAB+05, WYM10, War04, WSK+00, WK85, WTR11, YLL10, YZM+11, YW+10, de 86, KmKK+18, KMM96].

Large-area [de 86]. Large-Crowd [JXW+08]. Large-Display [HMR806, RCB+05]. Large-Format [BE11, FL00]. Large-Image [WK85].

Large-Scale [ABM+01, AJK15, Bal98a, DSW07, EHBPG04, EWF02, HYN03, HLW+07, JBH+10, Ma01, MP01, MSWT14, MRBW12, RL07, RW99, SBM20, SBSW96, VBHS11, WAB+05, WYM10, War04, YW+10].

largest [Bli88a]. Larry [Tal96a]. Laser [Lea96a, MD99f, SPM10]. Lasers [RB03].

Last [AC05, SVNG9].

Latency [Fri90].

Latin [Hay95b]. Launched [MD99c].

Launches [MD99e]. Law [WW95]. Laws [Gol01].

lay [Sch93b]. Layer [KHP+11].

Layered [Bol95, CMP95, OKS+17, YSWW08].

Layers [Fig01a, Sin15d].

Layouts [ABVA08, Cam17, HWP+19, IK15].

Lazy [BH84]. Leader [She06]. Leader [PB06].

Leading [Ano15-44].

Learned [FT16, WCG+11]. Learning [Agr18a, Ano19-54, BRD+20, BKM16, BBC+20, CPM+18, CL18, Dom12, DBJEY+02, EH16, HWP+19, HTZ+19, Hay96e, JMOG99, JRM17, KJR+18, LFT19, LA20a, Ma07, MSW10, MB05, MM21, MMD+19, dSNRdLSN16, Pead91, QCP+10, RdCFP+20, Ron09, SBRC17, SHS+21, Zhu19].

Leave [OCS20].

Left [Fol00, Sin12b, WR83].

Legacy [SK13].

Legal [Lav83].

Legged [Gir87]. Legibility [GFUG15].

Legible [CBZ+08].

Length [GP90].

Lens [BSP97].

Lenses [BH06, YCB05].

Less [Pie87c]. Lessons
Magnetohydrodynamic [FOI+07].
Magnifiers [BEK+03]. mail [MD99d].
Maintain [Fyo97]. Maintainability [BSA+04]. Maintaining [Hur82].
Maintenance [DFP+11]. Major [Ano19m]. Make [Shn03, Bli95c]. Maker [SR13].
Makes [MD99f, MD99d]. Making [BB13, BDG+99, CCC18, DOH+20, Fry83, Hec86a, Jae17, KMCMT09, LB20, MR99, MM14, Ozt15, PGV20, RBMS17, RA93, Sin19c, SEAKC21, TR83, WS09a, WS09b, WLC+12, WCS18, Whi96c, Yea97a, Den93].
Man [Ano20-62, Lil81]. Man-Model [Lil81].
Manage [Ano19-53]. Management [AHDG00, BB05, CE98, Cro96, DB03, DR83, EZM+97, KM88, LAC+14, MD99e, MGW+18, NMR106, OBE+84, Pal81, QCP+10, Tak85, UMO82, VG81].
Manipulation [CW96, EBN13, FK87, HKS17, KP14, LS84, Lia10, VP16, FB93, PT92, UO91].
Map [BT07, BH11, BBDDZ08, HB06, Lin99, Ros89b, Zac84]. Mapping [ABS+05, Bow93, CLG+16, FS86, FPBB08, Gel07b, Gre86b, Hec86b, Hua21, KJR+18, Lea97a, ODW15, PT90, RO86, SB86a, SPA+16a, WD15b, aE01, Bli90a]. Mappings [BS66, OC14]. Maps [BCA+20, BBDDZ08, CMT+10, CG84, HGK10, LC16, Man89, Nur08, SWwdWwW12, SAHK13, YM95, YZM+11, Zhu12, War88]. MapShaper.org [HB06]. Marathon [YIC09]. Marbling [JCM07, LJJ+12, LJJ+17, XMJ08]. March [Hay96b]. Marching [Ano20-62, Lor20].
Mass-Spring [HJCW06]. Masses [ASP+21, AB14b, LaV08, Sch07]. Massive [AM04, BHP07, DGY07, GCS+12, RLJ99]. Massively-Model [DGY07].
Match [CRC+02, MD99f]. Material [PR12].
Mathematical [Coh83, LaV07, LJJ+12, LJJ+17].
Mathematics [Cha99, Rout99, Hag94]. Matrices [Bli02b, Bli03b, FiL84]. Matrix [Bli00e, FH84b, WMFM13, Bli96a]. Matt [Hag90b]. Matter [Kri00, KH14, Ryh03, SBD+17]. Matters [Ano14-28, Ano14-29, Sto12, Ano14-27].
Matting [JAPF07]. Mature [BT00].
Maturing [GH97]. Mauchly [Ano19a].

Model [ADBW96, BRB17, BRM+02, CM86, CT09, DSK+14, DGY07, DPA+11, EWS96, EH99, Gol83b, HWY16, LM10, LQ94, LK95a, Li81, LSFW83, Wil13, MD99e, MMS+91, MMR+06, MBV17, MMD+19, NL02, PBR+14, SBRCD17, SM84, Str90, WAH+21, WD15a, WLVL+96, XZZL19, YYT92, GM119, MB91, RKRW87, RN94, Sim95b].

Model-based [LK95a, RN94]. Modeled [Ano97i]. Modeler [Coh83, MS82, SVB97, YT85]. Modelers [Hay95b, Hil82, Mil89]. Modeling [ATS+03, ARS17, AJH+12, BL14, BES17, BWWM12, BA13, BG82, Bre97, CAP+05, CS85, Cas87, CC20, CMP95, CIF99, CS06, Coo02b, CMPA18, Dal19, DM02a, DG99, Doo82, DMP93, EDC96, El80, FFA+97, Gol00, GAW86, GS94, GM12, GJ13, HB84, Hay96b, Hed84, HY03, Iga19, IKMF12, Jol11, KNRB12, LD99, LS21, MD99e, MD00f, MPDR14, Mas98, MMZ94, MP89, MMR+06, MKJ96, Mye82, NTH02, NG96, Nie93b, OSJ11, PCC88, PPK05, Pat12, PB06, PE09, Pio60, PP11, PPA14, Pra84a, RWF02, RSDP01, RWB+14, RV82, RV83, RR92, RH97b, SC89, Sar90, SM888, Sin03c, Spal16b, SBS10, Sto99, Tak85, Tii83b, TSUC86, Tur03, Tur88, UMT11, WW86, WK94, WW08, WMV+08, Wei85, Whi85, WFO85, WMG97, Bre96a, Chi87, Gor83, GS88, GT93, KS94].

modeling [MCW93, NFHL91, NGB+94, Sim95c, TR94]. modeling/drafting [Kal87]. Models [Arb90, AGL87, Bad82, BRD+20, BDC+12, Bar84, Ben99, Bohl95, CPCS80, CBZ+08, CEO+93, DNS+15, FM85, FZ03, GMNF97, GSN09, HR98, HS87, IFH+03, JWL+18, KTA+02, KMS07, KPTS89, LBD+92, MSH+08, Mi85, Mi88b, PSX13, Par82, PT90, Pic92, RWFO2, RSDP01, Rot03, RGCB07, SADC02, SSW+07, SD07, SM95, SRDT01, Sim97, SK86, TW88, WZZ+11, Woo88, YWR09, YLR17, ASW93, Gol86, KKM96, MTT91, PT92, SG90, WF93].

Modern [RME14]. Modes [LPLN04, LFFB20]. Modification [SR97]. Modified [YS83]. Modulation [TH14]. Module [MD99e]. Moebius [Sin01b]. Moiré [Gla97b]. Mold [BRL+17, IO07]. Models [Arb90, AGL87, Bad82, BRD+20, BDC+12, Bar84, Ben99, Boh95, CPCS08, CBZ+08, CEO+93, DNS+15, FM85, FZ03, GMNF97, GSN09, HR98, HS87, IFH+03, JWL+18, KTA+02, KMS07, KPTS89, LBD+92, MSH+08, Mi85, Mi88b, PSX13, Par82, PT90, Pic92, RWFO2, RSDP01, Rot03, RGCB07, SADC02, SSW+07, SD07, SM95, SRDT01, Sim97, SK86, TW88, WZZ+11, Woo88, YWR09, YLR17, ASW93, Gol86, KKM96, MTT91, PT92, SG90, WF93].

MPEG [Lea96a, NCO03, Whi95d]. MPEG-4 [Lea96a, NCO03], MR [GZM97]. Mullican [Hag90b], Multi [Ano15-44, GK86, RBE08]. Multi-Core [Ano15-44].

Multi-Microprocessor [GK86].

Multi-Volume [RBE08]. Multiactor [KSRF11]. Multiaxial [PT94]. Multicast
[Fis02, MZP+95]. Multicomputers
[BMR90, EL94b]. Multidimensional
[DKS+05, KK94, LLR09, RCB98, SCB+04b]. Multidisciplinarity [EE12]. Multifield
[LLR09, WBS+05]. Multiflash [RTF+05].

Multifrequency [CWBS99]. Multigrid
[LGW+12]. Multilevel [SBHM97].

Multimedia [CCR10, CTW+10, GP91a,
GGV92, JHH93, PWW97, RR95, RMDT96,
Sim94d, WSJY99, WWOM91, dPWW10,
Cha91, DSP91, GP91b, Pea91, Ph91, Re91].

Multimodal
[CMO+99, EH03, KBHT06,
Ovi03, RC15, SJSK19, WKLH96, WVL+18].

Multimodal [DCE19]. Multiperspective
[SK03]. Multiple
[BMW87, CBD+93, GL82,
GH86, HG13, LWS98, Mil07, MKK96,
Sin18f, Tay02, UI+06, YKS85, HO91].

Multiple-Scattering [HG13].

Multiple-Write [GL82]. multiplexed
[ Hod92]. Multiplexing [OHRH14].

Multiprocessor [GP89, GGV92, HDF+92].

Multiprojector [SFF+00]. Multipurpose
[ KKG+13]. Multiresolution [OSRW97].

Multiscale [CD12, SD07, YLR17].

Multiscaled [DY07]. Multisensor [Ste91].

Multisized [DY07]. Multisketch
[ADZK+21]. Multispectral [NK14].

Multitouchless [KGB14]. Multituser
[BWA96, BMO4, DGA+97, EBG+10,
EY03, MRD06, REF+06, WHKM+13].

Multivalued [LPK05]. Multivalued
[MUN+10]. Multivariate
[BDF93, Int00, War04, WG95b, MTS91, NFHL91].

Multiview [LY02]. Multitway
[JL98]. mummy [YYS+92].

Murmurations
[CS15a]. Muse [Mar07]. Museum
[BBB08, HCC05, Nea89a, PCZ+09]. Museums
[Ge06, Ba98c]. Music
[Si03d, TIt07, YL11]. Musical
[BM16, VM07, YL09]. Musical-Fountain
[YL09]. MVP [GGV92]. mWorld
[DG+97]. My
[Bli05c, Hay96a, Hb04, Bli88d].
myComputer [Ano13f]. myCS
[Ano16-36, Ano17x, Ano18-39].

Mystery [Abo99b, Dl98c]. Myth
[Ano20-62, Bres84].

N [Abo00c, Bar00, SC12, PS86].

N-Dimensional [PS86]. Name
[Jon89, WHSM17]. Naming [BBK82].

Nano [HPS20]. Nanometer [YBL+12].

Nanoscale [RA06]. Nanyang [Sou04].

NAPLPS [Cha85]. Narrations [ND05].

Narrative [ALD+06, BJC18, BAE+18,
KWK21, WKM+04, vL06]. NASA
[BHY18, De97, MIY03]. National [CB86].

Natura [MM89, Mus90a]. Natural
[AL11, GPA+17, Int00, JLS15, LJ15, MI18,
NPI7, OSJ11, SVT10, SS20, WTR11, Zhe19,
MG92]. Natural-Image [AL11].

NaturaSketch [OSJ11]. Nature
[Blo86, RZ96, Sin17b, Sin18d]. Naval
[ZD98]. Navigation [GNO90, HLC08,
JX+08, MYPT09, PKJ+07, RLOW13,
Rod14, WTPH90, ZY+12, dHPP10].

NBS [Ska86]. NCGA [Ano88b]. Ndebele
[LMPW01]. NDT [IL83]. Near
[AGL87, GMTF89, Kri05, LKS96, Sch00, XNSW19].

Near-Field [Sch00]. Near-Real-Time
[AGL87, LKS96]. Necessarily
[Sch86].

Neck [PP11]. Need
[An20w, An21s, An21t, Dom00, Joe13,
KSO8, Rei17, RDDY07, Bli89c]. Needles
[War04]. Needs [Jer18a]. Negawatt
[BRM10]. Negotiation [Hay96d].

Neighborhoods [DY07]. nerve
[ASK94, SAO+95]. Net
[GL97c, MD99f, JMT+01]. NetCDF
[RD90]. Network [CXW+20, CPN09].
Network-Based [RGCB07].

Network-Transparent [RFN89].

Networked [FSP00, HILW98, Tac98].

Networking [Ano18x, Ano18-41, CNL00].

Networks [Bac16, CCT+20, DBS96, DeF00, DD19, LFV97, LWZY19, MW82, WMFM13, WZQ19, RKRW87].

Neural [CXW+20, DD19, HHKK17].

Neuroanatomy [SM86].

Neurological [HS04].

NeuroNet [SKS+96b].

Neuroscience [JBH+10].

Neurosurgery [RGA+83].

Neurosurgical [RNNTD14].

NeuroTrace [JBH+10].

Newdle [YLL10].

News [Ano92h, Ano93m, Ano93n, Ano93o, Ano93p, Ano93q, Ano94k, Ano94l, Ano94m, Ano97i, Ano98g, Bal97, Bal98c, Bal98c, Hay96a, Hay95b, Hay96d, IS95, KND+18, Lea96d, Lea97c, Lea97d, Mac97a, Wri98].

Newton [Dia94].

Next [Agr09, BLH+08, DeF00, Gai17, JBD+21, JS03, LCG+02, LR14, Ma07, Mye85, Ryh00, RRB+14, ZTJ+07, vD05, Sta91b].

Next-Gen [BLH+08].

Next-Generation [Gai17, vD05].

Nexus [MMMM21].

Nice [Bli93c].

Night [Sch99].

NIH [MJM+06].

No [Hay95b, WF02].

Noble [Bar04].

Node [IK15].

Noise [SKBF12, Tur02a, XP05].

Nominate [Ano20-61].

Nominations [Ano16c, Ano17a, Ano19m, Ano20v, Ano20-35, Ano20-34].

Nominees [Ano16c, Ano17a].

Nonaliasing [Fan86].

Nonconvex [ILK84].

Nondissipative [XMJO8].

Nonhuman [KP11].

Nonintersecting [SS88].

Noninvasive [WKHL96].

Nonlinear [LR90, YCB05].

Nonmanifold [YK95, CR91].

Nonparametric [JAPF07].

Nonphotorealistic [DCLK03, FM03, LS95].

Nonpinhole [RPHW11].

Nonrigid [CD12].

Nonrigid-Deformation [CD12].

Nonuniform [PBR+14, RSK+06, YSWW08].

Nonuniform-Layered [YSWW08].

Normal [FZY84, Glk97e, JDZ04, SADC02].

Normalization [GMTF89].

Normals [MK14].

Note [And98, Fil84, Ger98, HB97, LR90, Mus90b, She82, WGI15, Wri98].

Note-Taking [WGI15].

Notebook [BG96, Gai17, vD05].

Notes [Ano10c, Mac97a, Wri83].

Nothing [Sin13f].

Notion [WS90b].

Novel [ABS16, DSP+14, SZZ+18, XP05].

Novice [FPJ04].

NPSNET [CMBZ00].

NPSNET-V [CMBZ00].

NRC [Wor96b].

NSF [MJM+06, Ano97i].

nSpace [PCH+07].

NTSC [Bli93c, DS87].

nu [Nie86].

nu-spline [Nie86].

Nuclear [AMJ+08].

Nucleus [CHY99].

Numbers [DH91, Sto05].

Numeric [MD99e].

Numerical [Mab82].

Numerically [JDH+89].

Numerics [Bli07b].

NURBS [BS96, Far92, LW94, Pie91, SR97].

NURBS-Based [LW94].

NVE [FEV+01].

NYSE [DS99].

O [Gla99e, KHP+11].

Oak [Sim95a].

Object [AKFPW20, BKSS07, G087b, G087a, HSK17, KP14, NL02, SC89, SPS04, SW85, S97, WJ85, EW96, KS94].

Objective [SC89, S915].

Objects [USW17, WGZ+18].

BRL+17, BC87, Bli05c, BH84, CCV85,
CW96, CS07, DT81, FGR85, GWW86, H87, JK09, LMA+17, LFPS01, MD99e, MOP89, MSF07, MK84, OAT085, PR0707, PS86, Rie93, RZSP04, SS88, SKP09, TAH+00, TTS84, WLL+16, WWM87, YYYT92, YY99, UO91. Oblique [KKH90]. observation [Hay95a].

Observations [CRA+18]. Observing [LZFT14]. Occluding [CS07]. Occlusion [AM04, AX07, GSF08, SKUT+10]. Occlusion-Resistant [AX07]. Ocean [DPA+11, GMNF97, MWM87, JM95]. Oceanographic [Ros89a]. OCME [GS12].

October [Ano15c]. Octree [DT81, FA85, KSY85, YKR+84, YKFT84]. Octree-Encoded [DT81]. Octree-Related [YKFT84]. Octrees [GWW86]. Ocularist [LBS+03]. Off [Hay95b, JAPF07, PLB+01, Sin01c, SO95, SN86]. Off-Center [JAPF07].

Offenhuber [OCS20]. Offered [MD99e].

Offers [MD99f, MD99e, MD99d, Sim95d]. Office [BW00, GOPK18, Lea96a, LWM14, MD09d, MD00f, WFR+00]. officer [ZPA95].

Offset [ELK97]. Offsets [TH84]. Offshore [CSWB01]. Oh [Bli05c]. Ohio [CHP21]. Oil [Del99a, LLG+07, RRR+16]. Okino [MD99d]. Old [Abo99b, Bre90, DS07a].


One-Dimensional [Rob87]. One-Semester [Dom12]. One-Way [Arn14a]. Online [BvDE+99, CSMT03, Gel07b, PFB06, TN10, YLL10]. Only [Lev00]. onto [YZM+11].


Open-Source [SSM+07]. OpenGL [PHAS20, RME14, RV07]. OpenGL-Based [PHAS20]. Opening [Gor96]. Opens [Mac97a]. OpenSpace [BHY18, BAE+18]. Opera [Wor93]. Operation [GPA+17, Chi87]. Operations [Arb90, DFP+11, HHK89, LSNC04, PS86, Rob87, TUSC86, YTS84, Car87]. Operator [AMJ+08, XP05, Gor83]. Operators [MS82, FZD+18]. Opponent [BBS90].

Opportunities [Ano20w, Ano21s, Ano21t, Bar15, CS15c, GB16, Ma09, Mac00b, Pac10]. Optical [BBF+08, GBT+02, MMP+07, PTR+98, TLL+96, WW95]. Optics [Ano98e]. Optimal [Bli98b, LLL+13, SM86].

Optimal-Scaling-Factor [LLL+13]. Optimization [NMR10, Tau12b, HO91]. Optimization-Based [NMR10].

Optimized [Red01]. Optimizing [Bli00d, CTJ+17, PLM+19, PA18, SB97]. Options [Ano16-37, Ano16-38, Ano19-43, Ano19-41, Ano19-42, Ano20-54, Ano17z].

Oracle [CXW+20]. Oral [Han01]. Oranges [RSZ96]. Order [Dwy16, DH93]. Organic [IMS03, VCS19]. Organization [CRD+18].

Organizing [Jou07, LC16]. ORGB [BBS90].

Oriental [Lee99]. Orientation [Ale21, HB08, YNA99]. Orientations [Lee08]. Oriented [DL16, Kos16, MMTF85, PP12, SC89, Sil95].

Origami [Gla96d, Gla96c]. Origins [Mö10, Whi20, Cro87b, McG93].

Orthogonal [LD08].

Orthogonal-Blendshape-Based [LD08]. Orthopedic [QCP+10, SSS00].

Orthophotography [Lea97a]. oscillating [IP92]. Oscillation [LTS+13]. Osmose [Sim96a].

Ostium [MGW+18]. O'Sullivan [Tau12e]. Other [Gree6b]. Our [BC19, Bli04a, OCS20, SF20, Tau10c, Wat06, CNL00, Sim94a]. Out-Of-Core [FS01, GS12]. Out-of-Home [Late98].

Outcomes [MM21]. Outdoor [Pie06, RLG+02, YNA99]. Outer [BDH+89, NTB+20]. Outstanding [Sin16d].

Overcoming [Gel08]. overlay [Wan93].

Overload [CAG+06]. Overview
[BDDH95, CS85]. Own [KGR+18, Sin11c].

P [Use93]. Pace [Kri01]. Pacific [vWNS10, FKC+05]. PacificViz [Ano13b].
Pairwise [FAECOG19]. Paleontology [Fig01b]. Palette [CW09, MSK04]. Palmer [Sin12d].
Panel [MD99f, MD00f, Tau11c, Zuc84, Kan88].
Panels [EBN13]. Panoramas [WHF01].
Panoramic [XZZL19]. Paper [KSM85, KGR94, Lar11, Lev00, Sch08a, Bil87].
Papers [Ano11b, Ano14a, Ano14o, Ano15v, Ano18c, Ano19o, Ano20q, Ano20m, Ano20r, Ano20n, Ano20o, Ano20p, Ano20-41, Ano20-42, Ano21r, Ano21p, Ano21q, Ano21-33, Ano21-34, LIS+19, WCE+17, Pea88].
Parabolic [Pav85]. Paraboloid [Bli04a].
Paradigm [Koc94, LaV07, YLT18].
Paradigms [JPSM13]. Parallel [ABM+01, BHPB+12, Elb01, GP93a, HB07, ILC10, KHP+11, MPHK94, MP01, MCEF94, MR87, Neu94, Pan90, PLM+19, Whi94b, WHC94, XZWH14, YSSP91, YiC09, BBP94, HM95, Wan93]. Parallel-Visualization [KHP+11]. Parallellepipeds [FA85].
Parallelization [Wri90]. Parameter [HBW+14]. Parameterizable [HH01].
Parameterization [AESF21, Gla97f, GXMW15].
Parameterized [Par82, van96].
Parameters [BBC+87, LYOO2, RB00, TT00, WK90, ZGP+13]. Parametric [BD89, BD90, Bli99b, Bli99a, Bli00b, GP90, HAG83, LF84, Lin99, LMD92, PB87, WWL+21, ZJH+18]. parametrically [Roc87]. Parametrization [BS96]. Parcel [Sin15e]. Park [SS01]. Part [Bai11, Bai13, BS86, Bli99b, Bli99a, Bli00b, Bli00c, Bli01a, Bli04a, Bli04b, Bli04c, Bli06c, Bli06d, Bli06a, Bli06b, Bli07a, Bli07b, DM02b, ENDAD13, Gla02a, Gla99c, Gla99b, Gla00a, Gla00e, Gla00f, Gla00c, Gla00d, Gla01c, Gla01d, Gla01e, Gla02d, Gla03a, Gla03b, Gla04f, Gla04c, Gla04d, Gla05a, MD02c, OF14, OC14, ODW15, OZH15, OWZ17, PH98, SDR95a, WG95a, WG95b, Bli94a, KnKK+18, SDR95b, Arn14a, Arn14b, Bli03e, Bli03a, Bli03b, Bli03c, Bli03d, Gla02e, HHH+21, PH99, WS09a, WS09b, YMK+12].
Participating [dOGDM+19]. Participatory [SML+09, Woo15]. Particle [DGP18, EWS96, Gos90, RSP15, SFL+04, WYG+12]. Particle-System [EWS96].
Particles [van93, Bli91d]. Partitioning [JWL+18, SS88]. partly [Her86].
Patent [WW95]. Path [GFW+19, Tau10c].
PC [BEW+98, Cav87, DS87, Hal87, JouH93, Jam87, Laz87, MD99f, MD00f, Rib98, WPLM01]. PC-CAD [Cav87, Hal87]. PCs [GRW99, Hay96d, PWW97]. Peace [Hay96d]. Peacekeeping [LSMC04]. Peak [RV07]. Peano [WN82]. Pebbles [Sin04c].
Pedagogy [Die11]. Pedestrian [Fox05].
Pedestrians [PE09]. Peephole [BK06].
Pen [HHL14, KL09]. Penrose [Gla98f].
People [GJM18, IS95, MFM+16].
Per-Element [TH14]. Perceiving [WFG92]. Perception [CS17b, DPA+11, GFW+16, HE02, LMLM16, MKH20, Sto12, TBPO1, TF01, XZWH14, EFB+94].
Perceptions [Lec17]. Perceptive [BTD+03, LSR+00]. Perceptual [EH03, HW82a, ITW01, LWZY19, SKBF12, SB13, WGZ+18, War08, BHMN95, Rob88].
Perceptually [HHB95, Red01]. Perchance [Sin20b]. Perfect [Ano16d, WWF00, Wil91]. Perfection [Abo98b].
Performance [Ala92, BRG+00, BKV+10, BBC+87, CS19, CB86, DD84, FT00b, GRB+85, HML83, Hoe12, HJKSK17, MMD+19, NB94, PLM+19, Pra84b, SO95, SH07, WP87, War85, Bro89, DWL+92, HM95].
Personal [CLms15, GM87, Hee86a, KWK21, KW15, Mue18, Tho84, TLCC17, TC15, WTM15, Woo15, YST84, de 86].
Personalization [SCOSL13]. Personalized [FH19, TMB+13].
Perspectives [BCF+08, KN07]. Pervasive [Ano20], Ano20k, Ano20l, Ano21o, DB03, TC03]. PET [Ger91]. Petascale [BHAA+13].
Petascape [BHAA+13]. Petras [VFLJ02]. PEX [RFN89, SRK90]. Phantom [SS97].
Phantom-Based [SS97]. Pharmaceutical [SBvcdS04]. Phase [AP11, BQP+15].
PHIGS-Based [TM88]. Phobias [JAM+05, WAB+13]. Phone [BBB08].
Phone-Enabled [BBB08]. Phonies [BH08, Sch07, WS09a, WS09b, Photo [MD99f]}. PhotoCloud [BBL+13].
Phylogenetic [HBW+14]. Physical [CS15a, DMSA17, HAB+01, HW18, KCMK20, LOF15, PCG+21, RZSP04, Smi84b, SDPW20, VK17, WLVL+96].
Physician [GRB+85]. Physics [ASP+21, BB82, DPG18, HZ11, Kan09, hKKS17, MQR99, SL11, VBHS11].
Physics-Based [HZ11, hKKS17, VBHS11]. Physiological [HS04, Mua84a]. Physiology [TA85].
Picks [Hay95b]. Picktoral [Fei85]. Picture [Gla02c, LSB18, Par98, PM82, SM84, Woe83, Wor83]. Picture-Plane [SM84].
Picture-Processing [PM82]. Pictures [Han14, Lea97a, Sim97, Whi95c].
Pins [JPSM13]. Pioneering [Swe01].
PIONS [BM86]. Pipeline [Bli96d, FP84, Mye84c, Bli91b, Bli91c, Bli91d, Bli92c, Bli93b]. Pixel [AMS91, Bli91c, Bli95d, Bre96b, DY07, DSKH95, Hag90d, MAM89, GFB87].
[ZGL+17]. 

[RMG16, Woo15, vDFL+00]. **Progression** [Fet82]. **Progressive** [LJB+13, NR03, OKKP13, SKBF12]. **Progressive-Rendering** [OKKP13]. **Project** [CK85a, CDLS19, RBMS17, ARL+10, Ano98b, JMOG99, Pit93, SFT+07, TSF+98]. **Projected** [WS90a, WFR+00]. **Projecting** [Bal98a]. **Projection** [EBBS00, Gre86b, HJS00]. **Projection-based** [HJS00]. **Projections** [YCB05]. **Projective** [HBG04, Rie81]. **Projector** [BVRF05, MD99f, MD99d, MSWT14]. **Projector-Based** [MSWT14]. **Projectors** [MD00f]. **Projects** [Ber99, BKP01, BSHB01, Bry99, CW99, CMBZ00, CMO+99, CKPF96, DB96, Del00c, DSP+14, Dio97, EBT98, EBB00, FLMZ97, FWSN86, FFA+97, FPW+00, GMNF97, Goe96, GRW99, HILW98, JW01, JLC98, KKV02, KKM96, LMPW01, LD97, LRS09, MR98, MD99d, MRBW12, RSS+09, RBW05, RFW02, RDO+96, Ros97, RDDT97, Rou99, SS97, SS01, SK03, She04, SPS99, SSS00, SD99, Tac98, WS90a, WS90b, WWG97, ZD98]. **Prolog** [FWSN86, GWA84, Jon89]. **Prompt** [WW95]. **Propagations** [GPW+19]. **Properties** [lLK84]. **Property** [Whi95d]. **Proportional** [TLT11]. **Proportional-Derivative** [TLT11]. **Proposal** [Hai87, Lea96a]. **Proposals** [Ano14b, Ano20s, Ano14a], **propositional** [PJJF96]. **Prosodic** [BRB17]. **Prostate** [BSM+15]. **Prostheses** [GRWN87]. **Prosthesis** [VCBS97, RKRW87]. **Protecting** [VP99]. **Protection** [Lav83]. **Protein** [AEFQ96, SGEF+12]. **proteins** [OG91]. **Protocol** [Agu86]. **Protocols** [BS03]. **Prototype** [CMSEM08, VM07]. **Prototypes** [MSF07]. **Prototyping** [Bai95, KRB11, MSRMH99, TBP01, Uva95, ZP95]. **Provenance** [BGM19, BWD+19, FJKTX19, MRB19, XAJK+15]. **Provides** [Hay96d, Lea97b, MD99d]. **Providing** [HH95, KKAM84]. **Proview** [MD99f, MD99e]. **Pruning** [GMTF89]. **Pseudoperspective** [Gol01]. **Psychological** [HAB+01]. **Psychophysical** [HS04, FG88a]. **Public** [BHY18, BAE+18, CT09, FZH+13, HdlRL+13, HHY20, HCV+13, HPS20, KKG+13, LB20, RLOW13, RS14, SPS99, WSP+20, BB13]. **Publication** [JPSM13]. **Published** [Ano20-32, Ano20-30, Ano20-31, Ano21w]. **Publisher** [MD99e]. **Publishing** [MD99e, DFL87, MD99d]. **Puck** [Cav97]. **Pulsatile** [SFL+04]. **Pulsing** [CM16]. **PUMA** [PLM+19]. **PUMA-V** [PLM+19]. **Pump** [OKET12]. **Puppet** [Gla12]. **Puppetry** [Stu98]. **Purpose** [GKB89]. **Pursuing** [AM90, CS15b, Kir21]. **Pursuit** [Got09]. **Pushing** [Ric15]. **Put** [CW96]. **Putting** [Agr18b, Gla02f, Han14, Sim96b]. **Puzzles** [RSDP01]. **Pyramid** [LWZY19]. **Pyramidal** [De 89]. **Python** [AJH+12]. **Quad** [Cam17]. **Quadratic** [Bli05a, Bli06d, CW88, GF86, CW87]. **Quadric** [Gol83b, Mi88b]. **Quadric-Surface** [Mi88b]. **Quadratics** [Gol83a, MG92]. **Quadilateral** [GXMW15, Pan15]. **Quadtree** [YS83]. **Qualities** [DiS14]. **Quality** [AHP+10]. **Quantification** [KHP12]. **Quantified** [CLms15]. **Quantitative** [AHP+10]. **Quantization** [Bli94c, XJ94]. **Quantum** [Ano20-52, Ano20-53, Gla01c, Gla01d, Gla01e, vOW15]. **Quartic** [Bli02a]. **Quasi** [LMWC17]. **Quasi-Hamming** [LMWC17]. **Quaternion** [ZZ05]. **Queries** [FDK12]. **Query** [ADZK+21]. **Quick** [FM82]. **Quo** [KH14]. **QuteVis** [ADZK+21].
R&D [ZHM+03]. Races [Kop03]. Racing [HS01]. Radial [MW82, MBV17, SZZ+18]. Radiance [Wil13]. Radiation [CWGC90, Mur84b]. Radical [SH06]. Radiation [CGIB86, GSC90, GCS94, LTG92, Gref91b]. Railway [LAC+14]. Rainbow [BT07]. Rainbows [Sin20a]. Rama [Gha12]. Ramakrishna [Ano19c, Ano19d, Ano20b]. Random [TH14]. Randy [SK13]. Range [HNC+04, JLW08, XPH05]. Rank [XHC+17]. Ranking [CPG+16]. Ranks [PBV16]. Rapid [Bai95, BDC+97, BFW99, CSWB01, CdHM97, CT04b, CT05, CT06, DPG18, DOH+20, EGR94, EBBS00, FLMZ97, FLSG98, Got09, GDY+11, HROIK16, HILW98, HSHS05, HH18, HAI00, JAM+10, KMTM, KMS07, Kri05, KMS07, Kri05, SKUT+10, Lea97b, LKS96, LMA+17, ML05, MD99f, MD99f, MRB19, MYPT09, MHC98, Mil12, MMR+06, MYK+08, NTH02, NL01, OKS02, PWH04, PFS03, Rau97, RFT+05, SKR18, SSB06, Tac98, TYK01, UCK+04, Wee02, Zha21, Fan86, MF89]. Real-Time [ACP+12, BFW99, CSWB01, CdhM97, CT04b, DYS+07, ERS13, EBG+10, GRTF89, GRW99, GRB+85, GFW+16, GDY+11, HE82, JFSG10, KMTM+98, KVM+05, KMS07, Kri05, SKUT+10, LMA+17, MD99f, MYPT09, MHC98, Mil12, MMR+06, MYK+08, NTH02, OKS02, PFS03, SSB06, Wee02, SKR18, Tac98, Fan86, MF89]. Real-World [BFWM12, MRB19, RFT+05, UCK+04, Zha21]. Realism [Abo00a, Ama87, Kul09, SKMY09, YMK+12]. Realistic [Ch’11, CT04a, CGIB86, HG83, IKS03, JWSG10, JF99, KMTM, SKMY09, SBS10, Str90, TLCC17, TR93, Web08, WKB87, YMK+12]. Realities [Enc15b, Sin12a, SR10, Sim94c]. Reality [AKFPW20, ABW+97, Ano98g, Ano16b, AR99, AB14b, ABB+01, BN95, BKV+10, BKP01, BPB14, Bre84, Bro99, BVD19, BK06, CLP+14, CZP+10, CNL00, DFP+11, DSB96, DJM13, DSA+19, DPG18, DFP+20, EGR94, EBB90, FLMZ97, FLSG98, Got09, GDY+11, HROIK16, HILW98, HSHS05, HH18, JAM+10, JBB02, KKV+02, KBHT06, KLS+15, LO94, Lea97b, LD97, LLG+07, LOB08, Liv05, LCR+14, ML05, MRL13, MZP+95, Mac09, MD99e, MD99d, MSWT14, MKH20, MKKJ96, Nav04, NTS+07, NdSM+16, NCQ+11, NTH+20, PCZ+09, PPKM15, Pet16, Pie06, PBS08, PXC02, RGRF16, RFT+13, RBW05, RBB06, RLG+02, RMR+19, Rok96, RBF95, Ros09a, SPT+15, SSW+07, SF20, SGE+18, SC21, SVT10, Sin03, SPS99, Smi87, SD99, Sto99, SK05, TYK01, TSK97, UVa95, VIK+02, WS90a, WS90b, WW95, YNA99]. Reality [ZYL+21, Bal98c, HAG91a, KAH94]
Kru95, MT94, Pap96, RBOV94.

Realization [Spi86]. Realizing [Iwa99, SFT+07]. Really [Rhy03, WPO96].
Realm [Sin02a]. Realtime [SS19].
Reasoning [DJS+09, Gla98b, Swi10].
Reborn [RBT98]. Reception [Lea96e].
Receptors [AYS98]. Recipe [Kir21, Pic89].
Recognition [CD12, HR98, MD00f, NF11, OSK02, RS14, Vos85, WB85, ZGC14, Ano15l, Sim94a].
Recognizer [TO83]. Recognizing [SG90].
Recollections [Ano08b]. Reconfiguration [ABVA08].
Reconstructing [HTZ+19, SRDT01, Woo91a].
Recollection [BGSC85, Bee15, EHBPG04, HWY16, KS20, KDH95b, KW10, KKKH90, LMP89, MBV17, PT94, RR03, WOF96, YMS01, PFH95].
Redesign [Sin21a]. Redirected [NPB+18, SB13]. Redistribution [GSG90].
Redo [TSUC86]. Reduce [NdSM+16]. Reduced [hKKS17, Voo89, PABS86].
Reduced-Complexity [Voo89]. reduced-function [PABS86]. Reducing [CR15, PT00, TCH+96, Tur02a]. Reduction [HTZ+19, SKBF12, XP05, CP92].
Redundant [Woo88]. Reel [SK91].
Reference [CM86, Sch11]. refinement [Rou87]. Reflectance [BWWM12, CPK06, OOH14]. Reflecting [Sin12c]. Reflection [Glase8e, MD18, TT00, WKM+04].
Reflections [CRA+18, Kd21]. Reflex [SBHM97]. Refraction [HBPB+12].
Region [FMM06, WWL+21, YNH04].
Region-Display [FMM06]. Regions [Pav85]. Registration [BN95, CD12, TUH+90, YNA99, MNR+91].
Regression [DCCE19]. Regular [OWZ17].
Regulation [RdCFP+20, RRV+15].
Rehabilitation [DSA+19, Tak05]. Rejects [Hay95b]. Related [SDS+11, YKFT84].
Relationship [IK15]. Relationships [Sin17a, WFG92]. Relaxation [GCS94].
Relaxing [Sin96a]. Release [Sin17a].
Released [MD99f, MD99e]. Releases [MD99e, MD99d, Wor96b]. Relics [ZZ99].
relies [Bro89]. Relighting [WHF01].
Remaking [Hag90d]. Remedy [Hay96e].
Remember [KMCMT09]. Remembering [Ano20-62, LFE+18]. Remembrances [Ano08b].
Remeshing [PFB06, Pan15, ZZWH14]. Remote [BBT+13, FT00b, GPA+17, GA97, KP18, LS08, LD97, PBM+96, Tac98].
Removal [MR87]. Removing [Boh95]. Renaissance [Fig00].
Rendered [YZZ+11]. Rendering [ABDR+12, AFYC03, iAH03, Bai01, BL14, BHPB+12, BPB09, Cha97a, CJS+19, CT04a, DM02a, DGY07, DCLK03, DD04, DW87, Elb01, FS01, FM03, Fr00, GP93a, GF86, GMTF89, GJ13, Hai06, Her03, HNC+04, HBP+07, IM98, JDZ04, KS98, KSD04, KMM+01, KY97, SKUT+10, LS95, LKV90, LPLN04, Lev90, Lev00, LS04b, LS04a, LO05, LTSE92, LX04, MP01, MD99f, MAB05, MYPT09, MCEF94, MD95b, NTH02, Neu94, NFMD90, Nie07, OKKP13, Pan94, PQC+12, RB00, RPHW11, SPM04, SCB04a, SBMK20, SKP09, SB03b, SFCD99, TLC02, THB+90, UO93, Wec02, Whi94b, WHC94, WMG00, WPLM01, YSWW08, Bil93a, DWL+92, MPHK94, PB87, RHC95, SSG95, WPO96].
Renderings [Dev13].
RenderMan [AM90]. Renders [MD99e].
Repository [KCC+01].
[BD85, Cam17, CNT+97, HMC+20, KSD04, Max83, RC15, SR95, Til83a, WWL+21, XZZL19, Bar83, CR91, GD93, Mak87].

Representations
[HB16, HW18, KSV85, MKFN87, Men94, MMZ94, SCB+04b, Wil87c, Mas18, Rob91].

Representing
[Bar93, CCV85, CK85b, FB89, GZS88, Lee08, Pie87b, Sto05, WW07, ZTT99].


Research [Ano14b, Ano19-53, Ano20-63, BMC04, CK85a, CPAM08, CMZ01, CPAV+17, Dej00c, DEN13, Ear98, ENDAD13, EFB+94, Enc15c, GPV+19, HF07, HPiW94, ITH+13, Joe13, Joh04, JLMV06, KHH+94, Kee10, Kub84, KSY94, Lar11, Lea96a, LIS+19, MFL08, MN97, MD18, Moll18a, MLL+15, MMJ+06, MM14, NBB+94, NPB+18, Rao97, RV83, Ric15, RET+94, Ros94, RN94, Sim96c, Sim97, TLLC17, TBP01, WLC+12, WSK+00, Wil86, XAJK+15, ZMNT15, vD05, Ano14a].

Researchers [Hay96c]. Resections [DPL+11]. Reshaping [ZHJ+18]. Resident [Sin19d]. residues [MV93]. Resistant [AXP07]. Resists [MD99e]. Resolution [CCC+07, CXPG19, FJP02, GJM18, JAPF07, KKV+02, MQR99, SFF+00, SW85, SO95, Sim95b]. Respectable [WF02].

Respiration [KLR12]. Response [Han00a, SKMY09, WSK+19, YMK+12]. Responsive [UTMI11, KF94, Ros97, RDDT79, WWG97].

Restoration [CCG+04, DNBC16, dOGDM+19].

Results [WG95a, WG95b]. Results [AM84, Gla97c, WAH+21]. Retargeting [LLL+13, SLNG07]. Rethinking [Mue18]. Retinal [MKL97]. Retrieval [BKSS07, HEW17, RSE99, SS17, XZZL19, YL11].


ROV-Manipulator [Agb95]. Rover [MG20]. RP [SBE95]. Rugby [LC16]. Rule [BF93]. Rule-Based [BF93]. Run [SL00, Sim95e]. Runs [SL00].


Scalable [CRF+21, IM98, KB14, KVHD17, LCC+00, MWY+15, SZMJ12, WPLM01]. Scalar [GHQ04a]. Scalar-Function-Driven [GHQ04a]. Scale [ABM+01, AKJ15, Bal98a, DSW07, EBHPG04, EWF02, HYW03, HLB+07, JBH+10, Ma01, MP01, Ma09, MKFN87, MSWT14, MRBW12, RL07, RW99, SMBK20, SBSW96, VBHS11, WAB+05, WYM10, War04, WSP12, WSJ+12, YW+10, vOW15, Sim93b]. Scales [LSC+17, YBL+12, LH92]. Scaling [CPA+10, GE98, LLL+13, AES93]. Scan [BE11, DW87, GPR94, Max90, Pav85, RB93, Rob89, SMBK20, PB87]. Scan-Line [DW87, Max90, Rob89, PB87].

Scandinavian [Oia82]. Scanline [Cro87a].

Scanned [CPCS08, TH17]. Scanner [BF8+98, Sch00, VPB+91]. Scanners [SPM10]. Scanning [HGMT17, PL+16, Pq96, Roc87]. Scape [HB04]. Scary [SR10]. Scattered [BMC84, HLE04, Nie93b, RM95, NFHL91, Tre95]. Scattering [BHPB+12, ERS13, GJ13, HG13, SKP09]. Scatterplot [Koz10]. Scatterplots [FH19]. Scenarios [LSC+17]. Scene [Gla01a, MD00f, Sow00]. Scenes [Enc14c, IKMF12, JLW08, MMW87, NTH02, NCO03]. Scheduling [FSP00, Stt18].

Schemata [Woo85]. Schematic [TO83]. Scheme [ABS+05, LMWC17]. schemes [GD93]. School [AJD13, Ano16f, BL14, CRA+18, JMC+02, ZD98]. Schoolers [DASF13]. Schools [CNL00]. Schwartz [Sin12f]. Schwarz [ODW15]. Science [AAW17, Ano20r, Ano21a, CS15b, CS19, CBGH19, CKJC12, DI14, GAI17, Han14, Ker13, MB05, MGC20, PL19, RBS21, SM91, Sin08a, Sin13b, Sin15f, Sin17e, VCS19, Yea97b, YLT18, vOW15]. Sciences [GS87a]. Scientific [AHP+10, Ahr15, Ano87, Cam16, CJH+19, Enc16b, GV81, GGS+18, Gro83, HBl6, Joh04, Kee10, KJA+18, LPLN04, LZF+14, LCC+96, Ma00, MLF+12, MAB05, NVC92, RD90, Rhy00, Rhy03, Ros94, SKR18, TBO+20, UKF+89, WTPH90, WFL+00, vDFL+00, NBG+94]. Scientist [PA18]. SciVis [KS14]. Score [SML+09, Wor93]. Scores [PBV16].

Scouting [Woo91b]. Scratches [MD99c]. Screen [BEK+03, Cro87a, ERS13, Lea96a, WGL+18, Bib96c]. Screen-Area [Cro87a]. Screen-Space [ERS13]. Screening [SOM+10]. Screens [EBBS00, RSP15].

ScrewBender [PR08]. Scroll [Bar00].

Sculpting [FM+16]. Sculpture [Abo98b, McC93]. Sculptured [JDH+89, Mil86]. Sculptures [Kd21, Nea88]. Sea [AFYC03, VS14].

Seafloor [LSB21]. SeaMaster [Agb95].

Seamless [FLMZ97]. Seamlessly [BKP01].

Search [Ano14c, Ano15d, Ano15f, Ano16g, Glaf3e, HE02, JKS19, Won80]. Seashell [Pic89]. Seashells [IP92]. Second [CLP+14, FM82, NPH+09, DH93, Whi87].

Second-Degree [FM82]. second-order [DH93]. Secondary [OZH00]. Secrets [How00, HMRS06, SIm05e]. sections [MG92, SK91]. Secure [Ano16-39, Ano17-27]. Security
[Ano14t, Ano16-43, Ano19i, Ano19j, Ano19-52, Ano21e, Ano21f, BNP99, CAG+06, Kro02, RXB09]. See [DBDH05, Gla99e, LSB18, Sim95e, WPO06].

Seeds [Sin16f]. Seeing [HH08, Kro04, MGC20, SH06, SP06, ZK10].

Seen [TYK01]. Sees [Sin13e].

Segment [Sin03c]. Segmentation [KTD10, KS20, LFT19, YNH04].


Self-Occcluding [CS07]. Self-Organizing [LC16]. Self-Similar [CR94]. Selfer [CLms15]. Selfie [CBC+20]. Semantic [AVV20, End14, ECNZ15, ITW01, LHZ+21, LFPS01, MZC+21, MSH+08, PVW07].

Semantics [CRB+02, GPW+19, Spa16b].

Semester [Dom12]. Semiconductor [BEG92]. Sensation [Ozt15].

Sensations [LBD+89, BS89, CR94, CW88, DP00, FS86, JBH+10, KPSN04, KMM+01, KNK99, Kri01, KKC+01, MP01, OCS20, Sen99, Whi04, WFL+00, CW87, RN94]. Setting [Tit07]. Settling [Hay95b]. Settlement [SKN+15]. Seven [HF07]. Seymour [Ano17-31]. Shaded [CE83, CG84, SW83].

Shade [AS11, RBE08]. Shaded-Based [AS11].

Shading [AKFPW20, BB84, MTC07]. Shanshui [Shi17].

Shape [Ale21, BLi00a, Bre97, CAP+05, CP89, CRC+02, DMR83, FM89a, Gla97g, HZB92, HH01, HEW17, Jos11, KS07, LFO15, LZR+21, Mac97a, MSF07, McL83, MZL+21, PPK05, RMP+16, RB00, RSE99, RP95, SS17, SR97, Sch17, SR95, Spa16b, Wil87c, WZQ+19, YT84, GU86, SG90, Spa16b].

Shape-Based [RSE99, HZB92].

Shape-Preserving [DMD83, FM89a, McL83, MZL+21]. Shapes [Cho95, CMPA18, FB81, Jac15, MGO+16, Sar90, SPW84, GJ93, Her86, KS94, Pie87c, SRS91]. Shaping [Cha98a, YSWW08].

Share [Ano19-53, Ano20-63, PB94].

Shared [DDdSC11, LRIC15, LA20a, LFBB20, MBSD20]. Shared-Memory [DDdSC11].

Sharing [HLB+07, JMT+01]. Sharpening [SP15]. Sharper [Ba197]. Shedding [Sin02c].

Sheep [CGMB20].

Shelves [AS+21]. Shiny [BLi00a].

Ship [Gos90, RSR83b, VS07].

Short
[Ano98, Ger98, HB97, Pic89, SBS10, Wri98].

Short-Term [SBS10]. Shortcut [KKG+13].

Show [vHdP94]. Showcase [BFSE01].

Showing [Sin01c]. Shows [Hay95b, YL09].

Shrinking [Kas13]. Shut [Gla99a]. Shuttle [Mil03]. Sick [Pot98]. Sided [HT98, Sch93a].

Sides [Hag90c]. Sidney [Ano17-31].

SIGGRAPH [Ano10c, Bli87, Kas12a, Bli95d, BG96, Hay96a, SP04b].

SIGGRAPH2015 [Ano15-37, Ano15-38].

Sights [MFG+17]. sign [Ker91]. Signals [KB09]. Signature [HEW17]. Signatures [WFL+00]. Significance [Gla97d]. Signs [Gla97d].

Silhouette [IFH+03]. Silicon [FH84b, WNA92, Ake89, Hay95b]. Silver [WF02]. Similar [CR94]. Similarity [FMM06, SJK19]. Simple [Nea89c, SPMS04, SR97, Bow93].

Simplification
[CBZ08, KT96, Lue01, YZM+11].

Simulate [JHW12]. Simulated [BMH98, Fet82, KP11]. Simulates [MD99d].

Simulating [AP11, HW95, IL83, KLR12, Lee99, MMG12, SKN+15, VMJ96].

Simulation
[AMJ08, ACO00, ARS17, Bar95, Bar04, BDK+04, Bro15, BRL06, CCP82, CF93, CdHM97, CEO+93, CKP96, GA97, GRW99, GGS+18, GD11, KSSL07, KL18, LTS+13, MD99f, MD99e, MDA94, MWA+15, MSB+06, NPH+09, PFB06, PD09, PVML06, RM89, Rho97b, RSS21, Sch81, SBD+17, S19, SSB06, SOM+10, Til83b, VS14, Web08, Yan85, CG94, Gre91b].

Simulation-Based [GA97, SOM+10].

Simulations
[AHP+10, Ahr15, CPN09, CCC+07, CKJ12, GCS+12, GD13, HH08, KSRF11, Kri05, KHSE98, LHFL20, MA98, MTN18, MJC08, OZH00, RLV+16, SRE98, SW07, SSH+98, SH03, SBHM97, TCH+96, TCE+02, WYG+12, Wil82, YIQ09, YWG+10, Gre91a].

Simulator [Agl95, AP10, CZY+13, EHA+14, LGW+12, NCQ+11, WMB85].

Simulators [BHW07, LGK+06, LGM13, SB06, ZMR+88]. Single
[CC20, CXPG19, DNBC16, dOGDM+19, GGV92, IM1F12, TT00]. Single-Chip [GGV92]. Site [KJA+18]. Site-Specific [KJA+18]. Sites
[ATS+03, EHBPG04, SPM10, VIK+02].

Situ [CBGH19, EI17, Ma09, Mor16, PA18, RLV+16, YWG+10]. Situated [JPSM13].

Situation [Gla97e]. Situational [FGW00, RDDT97]. Situations [ADZK+21].

Six [WJ88]. Six-Dimensional [WJ88].

Sixth [Ano20a]. Size [Sto12]. Skateboard [GFW+16]. Skeleton [SR95, WWL+21].

Skeleton-Based [WWL+21]. Sketch
[ERH+11, FH19, IZ07, KS07, LFT19, NF11, SS17, SD07, TBW+07, ZLMY19, SC12].

Sketch-Based [ERH+11, FH19, IZ07, KS07, SS17, TBW+07]. Sketch-n-Stretch [SC12].

Sketched [KS20]. Sketches
[LBW+17, OSJ11]. Sketching [CS07, CW09, LaV07, LMZ11, SC12].

Sketchpad [FPJ04]. Skill
[Ano18-35, RSL+19, SKW+12]. SkillChoice [Ano18-36]. Skills
[Ano20w, Ano21s, Ano21t, CNC+05, EM09, LMK+06, SFD16, SG11]. Skin
[AHS98, JWSG10, KKT04]. Skinny
[BvRS+11]. Skull [DNS+15]. Sky
[SBRC17]. Skylight [Will13]. Skyline [MD99f]. Slave [Kd21]. Slide
[Fry83, Hop83, TR83, Wri83]. Slide-Making [TR83]. Slim [MD00f]. Slim-Line [MD00f]. Slow
[CS15c]. SM [MD99f]. Small
[MTS+20, TWF+98, WAB+13].

Small-Animal [WAB+13]. Smallest
[Ano97i]. Smart
[AD05, LTJ18, MD00f, SKS96a, SBC15, HGK+04]. Smart-Its
[HGK+04]. Smarter [Abo99a].

Smartphone
[CBC+20, MGA+21].

Smartphone-Sensed
[MGA+21].
SmartTouch [KKTl04]. Smells [MFG+17]. Smile [Han01]. Smiles [She05]. Smoke [FMMS03, MVY+15, ZWWS19]. Smooth [Ste84, VBW94]. Smoothing [PR08]. snags [Bli93a]. Snapshot [PIBV11]. Snapshots [Ano10d]. Snowstorm [Bli98a]. Soap [Gla00c, Gla00d]. Soapbox [Whi87]. SoC [WSKY09]. Soccer [PPA14, SJB+16, SJSK19]. Social [Ano18x, Ano18-41, CLDW16, EM09, KB09, LGZ04, LWM14, PIBV11, Sch08b, WLL+09, WMFM13]. Society [Ano20-51, Ano20-50, Ano21-37, Ano96i, Ano97h, Ano14s, Ano14q, Ano14p, Ano14r, Ano15w, Ano15y, Ano15x, Ano16y, Ano16x, Ano16z, Ano16w, Ano16-27, Ano17q, Ano18s, Ano18u, Ano18t, Ano18x, Ano18v, Ano18w, Ano18r, Ano18y, Ano18-28, Ano19-30, Ano19-31, Ano19-32, Ano19-35, Ano19-36, Ano19-39, Ano19-34, Ano19-33, Ano19-38, Ano19-40, Ano20-47, Ano20-48, Ano20-43, Ano20-49, Ano20-44, Ano20-38, Ano20-45, Ano20-41, Ano20-39, Ano20-42, Ano20-46, Ano20-40, Ano20f, Ano21-33, Ano21x, Ano21-36, Ano21-35, Ano21y, Ano21z, Ano21-34, Ano21-27, Ano21-28, Ano21-29, Ano21-30, Ano21-31, Ano21-32, Ano20-32, Ano20-30, Ano20-31, Ano21w]. Sociotechnical [MJS20]. Soft [BB84, MTC07, NL02, PFB06, SG11, Sin09f, WMW77]. Soft-Object [NL02]. softkeys [BM88]. Software [Ano88a, Ano94n, CPA+10, CE98, Dil96, Dil97, Dil98b, Dil99, Dil01, Enc04, GAW86, HH82, Hay95b, Hay97, JXW+08, KLL+15, Lar10, LJJ+92, Laz87, LOB08, LCG83, MP01, MD96c, MD99f, MD99e, MD99d, MD00f, Mac03, MOP89, MRBW12, SR13, War81b, War81a, War85, WGA98a, Whi95d, vD05, Bri90]. Soil [AM84, MV93]. Solar [Del97, Gla06e, Gla06b, Will13, SVB97]. Solar-Radiance [Wil13]. Solid [Bar95, CS85, Cas87, CK85b, DMP93, Hay96b, Hii82, KPTS89, LBD+92, LJJ+17, MS82, MMZ94, Mil86, Mil88b, Mil89, MP89, Mye82, PCOS10, Pra84a, RV82, RV83, RR92, RR86b, SC89, Tll83b, TSUC86, Tur88, TR94, Wei85, WFO85, Woo88, WKS86, WWM87, YT85, Cam91, CR95, GT93, KKM96, SG90]. Solid-Texture [PCOS10]. Solids [AESF21, Arb90, BG82, Gla96d, Gla96c, HHK89, Kim84, LW13, Men94, WW86, Chi87, CH95]. Solution [MD99f]. Solutions [FM82, MD99f, Ree84, Sad16, MD99f]. Solve [Abo99b, Bli06c, Bli06d, Bli06a, Bli06b, Bli07a, Bli07b, Bli05a]. Solver [LGW+12]. Solving [GASF94, Hor84, LGW+12, XNSW19]. Some [Coh83, HS87]. Something [Bre90, Han01, Sin13f]. Sonar [CWBS99]. Sonic [SGE+18]. Soon [BW00]. Sophisticated [SRS83]. Sorting [MCEF94]. Sound [Coo02b, DBJEY+02, Ken20, RL07]. Sounds [Coo02a, MFG+17]. Source [DMJ05, Mac85, RDRS10, SM+07, VG84]. Sources [Mac81, Mac83]. Southern [MFG+17]. Space [BB05, BPS+14, Bli03e, Bli03a, Bli03b, Bli03d, Bli04a, Bli04b, Bli04c, BBS09, CC20, Cha98a, ERS13, EYY03, Gla84, KCW+17, KY97, Lea96b, LW13, LRR90, LZR+21, LK95b, MMMM21, Mil03, Mun98, NM08, NTB+20, SWDR16, SKP09, SSC+11, Sim96c, Sin06e, VK17, WKS86, ABB+93, CH95, PB87]. space-based [PB87]. space-times [ABB+93]. spacecraft [MPDR14]. Spaceplane [SBJ+01]. Spaces [FZH+13, Gol00, HY80, MG04, PSE+09, SPJ99, Wee02, Rob88]. Spacetime [Gla88a]. Sparse [DP00, Gie92, HY16, KLR12, KFH+18, LSQ+12]. Spatial [BH16, BBDM98, CCSV85, EI17, FL12, Jer18b, KPL17, LaV08, LKPM19, LFOI15, LPK05, LSC+17, MSWT14, Rob89, SKJ+13, SO95, SS15, TM88, WHKM+13, WTPHK09, ZYL+17, dHPP10, Fan86, PFH95, WFG92]. Spatial-Mechanism [TM88]. Spatializations [FMM06]. Spatialized [PHAS20]. Spatially [RBK+13, WWV+10].
Streaming [ABM+01, ACL+12, GTHL99, ILC10, Kri04, NCO03]. Streamlines
[HTZ+19]. Streams [ABWS05, BHAA+13]. Street [Gha12]. Stress [Mac04, Smi84b].
Stretch [SC12]. String [Gla99f]. Stringing [Sin05f]. Stripes [Ell01, MR87]. Stripped
[Hay96d]. Stripped-Down [Hay96d]. Stroke [CKPB16, Her03, KS20, TS13].
Stroke-Based [Her03, KS20]. Structural [GSSO05, GGS+18, MSF07]. Structure
[CCV85, De89, Woo85, Zac84]. Structured [And98, ILC10, RSK+06, SM95, STW+08, SB02, Wei85, YKFT84, Ala92, NB94, SW88]. Student
[Ano18-37, Ano18-38, Ano18-43, DSP+14]. Students [AJK15, BL14, Ker13, LSB18, Mei96, PDP06, YY16]. Studierstube
[Ano98i]. Studies [DFQ12, KHI+03, MP99, PS09, SDS+11, She82]. Studio [CBC+20]. Studios
[FY97]. Study [AY16, AOH+14, ENDAD13, KMD00, KND+18, LCG83, LWM14, MKH20, PSJ87, PCH+07, SF20, SC21, SD83, WBA+96, Cra91, Til81].
Subatomic [DPG18, Sin02a]. Subdivision [ABS+05, Glk84, KSP06, RV10, WS04, Car87, CH95].
Sublinear [UF11]. Submarine [CBD10].
Subpixel [LK90]. Subpixelic [Bli91d]. Subset [MTS+20]. Substance [Lea97d].
Substitution [Gla92]. Subsurface [FPB08, SKP09]. Subtractions [Tou10b].
Subtypes [TLS+14]. Success [HMRS06]. Successes [MC85]. Successful [TR83].
Suite [MD99d]. Sulci [ZTT99].
Summarization [CLDW16, TSLX12]. Summarize [Rod14]. Summary
[Bro08, MJM+06, RV82]. Summer [BL14, Wol18a]. Sun
[Gla96e, Gla96b, MD99f]. Sunburst
[Rod14]. Super [Bli93c, FJP02, JAPF07]. Super-Resolution [FJP02, JAPF07].
Supercomputer [Bor89, IS95].
Supercomputing
[BvRS+11, GS87a, LJC98]. Superfaces
[KT96]. Superman [Koz12]. Supernovae
[Tur03]. Superquadric [FB81].
Superquadrics [Bar81a]. supersampling
[Kla93]. Superworkstation [Ake89].
Superworkstations [SVN89]. Supplied
[BC19]. Support [BQP+15, Cam16, CG85, Cro96, DFP+11, FAZH17, JG+17, LGZ04, MGP+04, MD99d, MD00f, MN84, SADK20, VSA07, YMD09, Sim93a]. Supporting
[BWA96, Fis21, HBG04, KWK21, LD97, Ljm96, Nap05, SvW09, WSP+20, WKM+04].
Supports [YIČ09]. Supposed [Sim96a].
Supreme [Whi95d, Hay96a]. Surface
[Ale21, ADBW96, BD85, BFH86, BFP86, BvRS+11, GS87a, JLC98].
Surface-Mounted [US17].
Int00, IMS03, JCM07, Lai01, MB94, OSRW97, TBP01, YSWW08. Texturing [SKS96a, WWM87]. Thanks [Ano03b, Ano04g, Ano06b, Ano07a, Ano08c, Ano09a, Ano12a, Ano14-33, Tau12e].


Thoughts [Bux05, Wea99b]. Thousand [Whi95c]. Threaded [MSU+16]. Three [BD89, BrR11, Bli95c, CDBL83, Gal89, Gol03, Gro83, MTT85c, Nak84, PM86, Sin16b, Sto05, XZZL19, vHdP94, FP95]. Three-Dimensional [CDBL83, Gro83, MTT85c, Nak84, PM86, XZZL19]. Three-Point [Gal89]. thrill [Sim95d]. Throw [COM15]. Throwing [Mac97a]. Thumb [PBVH15]. Thumb-to-Finger [PBVH15]. Thunder [Gla00e, Gla00f]. ThunderPunch [KmKK18]. TI [Wor96b].

Zin08c, Zin08d, ZP95, NF91, MD99f, Zhu12].

**Top** [Ano94n, Ano05h, Ano20-70, Che05, Dil96, Dil97, Dil98b, Dil99, Dil01, Enc04, Fol00, Hay95b, Hib04, Joh04, MD96c, Mac96, Mac97b, Mac98, Mac99b, MD00a, Mac01, Mac02, Mac03, Mac04, Nie93a, WSJ+12, XHC+17, KmKK+18].

**Top-Viewed** [XHC+17].

**Topic** [DL16].

**Topic-Topological** [Dal19, KSY85, SM95].

**Topology** [FTAT00, G¨un20, HSK02, HLW13, YK95, HH91].

**Tornado** [UMO82].

**Torque** [ABS16].

**torso** [MB91].

**Torus** [Iwa99].

**Tosiyasu** [Woz21].

**Touch** [Enc16a, GHQ04b, HdlRL+13, KKTI04, Lec17, PMI06, SRF+06, LS04b].

**Touch-Based** [GHQ04b, HdlRL+13].

**Touch-Enabled** [LS04b].

**Touchscreen** [MD99e].

**Tour** [Hai06, HCL+20, Nea86].

**Tournament** [VP16].

**Tracker** [MD00f].

**Tracking** [AP11, ANS15, Bro15, Cav97, Cha88, Fox05, JB02, KW15, LTS+13, LMA+17, OSK02, PXC02, RLG+02, TH14, WF02, YNA99].

**Traction** [KVM+05].

**Trade** [Gla01f, Jar83, SO95].

**Trading** [Del99b, NB04].

**Traditional** [VVP+11].

**Traditions** [Wor95].

**Traffic** [ADZK+21, AHDG00, CCM15, CM16, FR00, GLRK06, GSFT16, Tre98, ZHZ+15].

**Trail** [Del98c].

**Train** [TSK97].

**Trainable** [TS13].

**Trained** [PB06].

**Trainer** [KCMK20].

**Training** [AMJ+08, BDK+04, BSHW07, BKM16, CCC18, COM15, DFP+11, HSHS05, KCMK20, LGW+12, LL13, LK95b, LSMC04, LCR+14, Mor98, MSB+06, NCQ+11, PFB06, PHAS20, RMR+19, Sad16, Saw83, SKW+12, SSS00, ZPA95, ZED+09, SSRH95].

**Trajectory** [JRM17].

**Transactions** [Ano16-28, Ano16-29, Ano18a, Ano18b, Ano19a, Ano19k, Ano19l, Ano20q, Ano20m, Ano20n, Ano20o, Ano20p, Ano20q, Ano20h, Ano21r, Ano21p, Ano21q, Ano21i, Ano21g, Ano21h, Ano21j, Ano21k, Hay96b].

**Transatlantic** [MN97].

**Transcontinental** [LJ96].

**Transferring** [YP08].

**transform** [Bli93b, Fan86].

**Transformation** [Ash03, HHKK17, KPTS89, LB81, LZS04, PLB+01, RAGS01, SCOSL13, WFOP85, ZLMY19].

**Transform** [Del99b, NB04].

**Traditional** [VVP+11].

**Traditions** [Wor95].

**Traffic** [BDC+12, DKS+03, STW+08].

**Transportable** [MD99e].

**Transportation** [ADZK+21, Pac10].

**Traumatic** [Mac09].

**Travel** [Sin10e].

**Traveling** [Abo00b, Gl88b].

**Traversed** [GBCK93].

**Treadmill** [Iwa99].

**Treat** [JAM+05].

**Treating** [HAB+01, Mac09, WAB+13].

**Treatments** [Ano97i].

**Tree** [AK84, BDR-objective, GFT89, Sch11, SRDT01].

**Treevis** [Sch11].

**Trends** [Ano20-70, Gar15, Oia82, Ped01].

**Triage** [Bli90b].

**Trials** [Ano98a, CLP+15, Sim04c, Sim93d].

**Trial-and-Error** [Sim04e].

**Triangle** [De 89, KS98].

**Triangle-Based** [De 89].

[SRJ99]. Via
[BC19, CPM+18, HTZ+19, LK82, LH7+21, OCS20, AHP+10, FK87, GWW86, HSK02, MD99d, RMP+16, SCOSL13, XZZL19].

Vibratory [IWF97], Vibrotactile [KL09, MGO+16]. Vice [AB14a]. Victoria [VCS19]. Victories [She06]. Video [BN95, BFW99, Bu05, DB16, EH16, HFZ+13, IKS203, Kri04, LaV08, LY002, LFPS01, LWY+20, MD99d, MKKJ96, Mur84b, Mye84b, NTH02, NCO03, ONDA20, QNT02, Sav08, SLNG07, She06, Sze96, YNH04, dHPP10, Bli90c, DS87, MED+93].

Video-Based [BN95, HFZ+13, NTH02]. Video-Enabled [NCO03]. Videocassette [Moh85]. Videodisc [Whi95d]. Videos [CTM18]. Videotex [Cha85]. View [AEB86, Ano98h, Ano98j, AR99, BB05, BA85, Che08, CXP99, KIN+05, KK+02, MD99d, NR03, XZZL19, YCB05, KmKK+18, OG91]. View-Dependent [KIN+05, NR03]. Viewed [XHC+17]. Viewer [KZC+11, JSH16]. Viewer-Centric [KZC+11]. Viewing [AEFQ96, CCF97, DB03, GWW86, GSN90, kHHB+13, Kas00, RC59, AES93].

Viewpoint [GSF08]. Viewpoint-Based [GSF08]. Viewpoints [Bai01, BFH02, Be00, CZG90, CSW01, C1H+09, Dom00, HD01, Int00, Lai01, LLR09, Ma00, MQR99, PLB+01, Sln03, ST09, Tsy02, Whi99, Won09]. Viewport [Bli92e]. Views [FZ03, GH86, HWY16, LHFL20, Rob87, SH97, WSL+20]. Village [Sim96c]. Virtual [AMJ+08, AKFPW20, AWB+97, AS96, Ano94g, Ano20u, AA09, AR99, AB14b, BO09, BRB17, BWA96, BES17, BRG+00, BRD17, BKV+10, BFSE01, BMH98, Bro09, BvDE+99, BH06, BL92, Bry97, CPCS08, CLP+14, CLP+15, CNT+97, CWZ99, CMBZ00, CGM90, CEMTT98, CBD10, CdHN97, CZP+10, CCC18, Ch11, CS17b, CT04b, Coo02a, CNL00, DBV+08, DRHL+03, DBS96, DGA+97, DSA+19, Dio97, DASF13, DJP+08, DPG18, DOH+20, EMTTT98, EM09, EG98, EI94a, EBT98, EGR94, EBB500, EYY03, FSP00, Fis02, FLM97, FPW+00, GHS99, GNNF97, Got09, GOPK18, HLC+20, HZHD03, HLCC08, HH95, HILW98, HCC05, HSK17, IH18, JW+20, JK09, JXW+08, JLC+02, KMTM+98, KMCMT09, KGK94, KP14, KLL+15, KCMK20, KRB11, LO94, Lea96b, Lea97b, LD97, LJ96, LA20a, LA20b, LLG+07, LOB08, LRS09, LSMC04, Ld06, LSV+02, Mac09]. Virtual [MT94, MD99e, MTT86, MAM89, MGO+16, MKH20, MSA+94, MFM+16, MG14, MM21, MKL97, Nad99, NDSM+16, NP17, NCQ+11, NPB+18, NZB00, dSNRLdSN16, PCZ+09, PKT01, PSE+09, PHAS20, PE09, PTR+98, PBSB08, PB+96, PFA86, RL07, RGRLFM21, RBS06, RMDT96, RSDP01, RMR+19, ROK96, RBF95, Ros00a, S97, SK13, SRE98, SG11, SGE+18, SC21, She04, She05, SVT10, Sim93d, SHM09, Sin11c, SPS99, SKMY09, SS00, Sou04, SD99, Sth96, SK05, Sze96, TK03, TYK01, TSK97, TW3+07, UVs95, VS07, VKH76, Wea98a, WLW+96, YC90, YMK+12, ZGL+17, Z99, dOYG04, Bal98c, Kah94, Kfr95, Pap96, PFF95, RBOV94, Bry97, CC20, Sto99, SBJ+01].

[Agr19, AD05, ACO00, AGBC09, AOH+14, Bac16, BRB17, BHPS12, Bas14, BQP+15, BQP+19, BSM+15, BBC+87, BBC+20, CLDW16, CLP18, CR15, CZGR09, Che08, CTW+10, CP13, CL18, CCC+07, CPG+16, COM15, CRD+18, CR02b, Cro18, DGTK07, DSK+14, Die85, DFL+18, DL16, DLEF15, Dwy16, EE12, EB13, End14, EI17, FAL+06, GCS+12, GRW99, GGS+18, GDS+18, HBW+14, HKW99, Hu21, JS10, Jae17, JKCM+03, KCW+17, KFH+18, KPSN04, Kro02, KW15, KVHD17, LKPM19, LPLN04, LGM13, LMA+17, LS04a, LAC+14, LRS12, LTB16, MZC+21, MSW10, MGO14, MD99e, MD00f, MHR+09, MGA+21, MB05, MGN+11, MMD+19, ND05, PGSS+08, PGSS9, PB+15, QC15, RMG16, RR84, Ren15, RSE99, RBD14, Sad16, SCVCs04, SCB+04b, SMWS88, SMP+19, SZF+00, SMJZ12, She06, Sin04f, Sin18c, SKMY09, Sto15, SEAKC21].

**Visual** [Swi10, TH14, TMWJK04, TC06, Tit07, TC15, WLL+16, WYG+12, WNAJ92, Won99, WT04, WLL+09, WSP12, WSI+12, WMFM13, WHC+14, XZWH14, YLL10, YMK+12, ZY18, ZHZ+15, ZYL+17, vL18, vL16, BF93]. **Visual-Analysis** [Swi10].

**Visual-Analytics** [LAC+14, LRS12, MHR+09, PGSS9, RB14].

**Visual-Computing** [SZP+00].

**Visual-Interactive** [BSM+15].

**Visual-Perception-Guided** [XZWH14].

**Visual/Haptic** [LPLN04]. **Visualization** [Abo99b, Agr09, ABM+01, AS10, AHP+10, AW10, ALC+12, ABB+93, Ano87, Ano92b, Ano92d, Ano92m, Ano93v, Ano19-61, AHG00, Bai01, Bai09, Bai11, Bai13, BB95, BBF+98, BKS20, BRM10, BS16, DFQ12, BFHO2, BSS20, Bet00, BvRS+11, BHAA+13, BMR90, BAE+18, BWG18, BEAC+18, CRF+21, CCG+04, CS15a, Cam16, CHW21, CCE+14, CR95, CZGR09, CSWB01, CJS+19, Che05, CEH+09, CH10, CGJ+17, CRA+18, hCRBK98, CPA+10, CBGB19, CLMS15, CG94, CNC+05, CAG+06, CMB94, Cro96, CKJC12, CM11, CCM15, CM16, CWL+10, Del00b, DSK+14, DKS+05, Dev99b, DPL+11, DAMS17, DFNM+02, Dom00, Dom12, DPG18, Dwy16, Dye90, Eic96b, Eic05, Enc11, ECS+15, Enc16b, Enc17a, FGW00, FF20, FD12, Fis21, FM86, FMMS03, FT00b, FT16, FLSG98, Fyo97, Gai04, Gai17, Ger91, GB96a, GE97a, GE97b, Ger98, Gie92]. **Visualization** [GB16, GGS+18, GFW+16, Gun20, HM95, HY20, Hay96b, Hee99, Hei03, HMM18, H091, HD01, HT04, HJF06, HSAK98, HLW13, HLB+07, Int00, IBH+09, I13+13, ITS06, IK15, JBD+21, JBJ+10, JLG+10, JHG+17, Joh04, JLMV06, KTD10, KDH+95a, KC05, KM00, KN03, Kee10, KK94, KQMS+11, KHP+11, Ker13, KSO8, KM13, Kir21, Khl93, KNRB12, KDH08, Ksl06, KSK99, KGM95, KGR+18, KFH4, KH14, KCC+01, KHE98, Lai01, LFV+97, Lar10, Lar11, LTJ18, LPLN04, LTD16, LCG+02, LTS+13, LIS+19, LCI+20, LMWC17, LZF+14, LWZ+18, Lin99, LQ18, LLR09, LCC+96, LY92, MP99, Ma00, Ma01, Ma06, Ma07, MFL08, Ma09, MLF+12, MjM93, MD99f, MD99d, Mac00b, MRB19, MAB05, MLJ19, Mat96, MVWB05, MCW93, MA08, MQR09, MD18, MG04, Mil12, MKJK96, MML+15, Mor16, MSU+16, MK17, MED+93, MRBW12]. **Visualization** [Mun02, M09+06, NH+99, Nap05, NE93, NK94, Nor96, NR03, OKM84, OKT12, ODE+13, Pac10, PW97, PP98, PLM+19, PK18, PCD95, PA18, PRN15, PS09, PL19, PLB+01, PGA13, PGM19, PPFF96, PM97, RMP+16, RR+16, Rei17, Rho02, Rhy00, Rhy03, Rhy11, RBOV94, JKRM99, RR03, Ric15, RS+06, RG91, RNN14, RBS21, RRB+14, Rod14, RS97, RD+02, RB92, Ros94, RG95, RGCB07, RL+16, RDDY07, RW99, RSL+19, SE19, SKR18, SFD16, SKS+13, Sch93b, SKW+12, Sch91, Sch19, SWS07, SI94, SB03a, SM+07, SZZ+18, Shm03, SVW09, S195, Sin09e, SFL+04, SAO+95, ST09, SS20, Ste07, Ste91,
SGEF+12, SBHM97, SMHM03, SSZS21, Tay02, TLCC17, TSH96, TC15, Tre95, TC96, TS97, Tre98, Tre99, TBO+20, UFK+89, UIL+06, UBS+12, VCR98, VCBS97, WAH+21, WHR19, WSK+19, War08.

Visualization

[WCE+17, WSK+00, WSOS+08, WBS+05, WWG97, Whi99, WGI15, WL88, WFL+00, Won08, Wri97, Wri98, WVL+18, YNF+92, YWG+10, YCKF15, Zha96a, ZCS+06, Zha07, Zha21, ZCBM14, Zhu12, ZOC+12, vDFL+00, vD05, vH09, van93, vLBW17, BEW91, Eic96a, Erv93, GB96b, HPvW94, JM95, KHH+94, NBG+94, OJ14, PaJ92, PhJ91, RET+94, RN94, SSRH95, UO91, YYOiT92, Hay96d, Lea97c, NVC92, vWNS10].

Visualization

[BF93, BS03, BVD19, DD19, Han14, HE02, KKVLO, Ma00, MRMH09, ST09, TM05, WSP+20, WTLM15, WP1K90]. Visualize

[Bili02a, CF16, Koz12, LSVB21, PB16, SEACK21]. Visualizer

[CPCS08]. Visualization

[Del97]. Visualizing

[ASP+21, ABWS05, AL02, And98, ABB+93, ASK94, Bab89, BCMF16, BGM+07, BGM19, BCI08, Car96, CP1+18, CWG90, CWBS99, CHY99, DH93, DP00, FPNVHH17, FON1+07, FLNR90, GMNF97, Ger91, GDF+14, GSTF16, HM95, HH91, HK10, IG98, JS03, KJR+18, KP12, Kla89, Koh93, KNK99, KGM95, LC16, LBS21, LPK05, Ma00, MP01, MJM93, MQR99, MTS91, M107, MV93, NFHL91, NL01, OKS+17, OKET12, OWZ17, PRdJ07, Pic90, PW14, Pwv07, RxB09, RFK+13, RL1B99, RBR+93, Rob88, Ros89a, SPJ99, SKS+13, Sch93b, SAH00, SRJ99, Sen99, STW+08, Sin17e, Tay02, WYM10, WAPW06, WGP97, Wil82, WDK17, Wou15, XHC+17, YBL+12, Zha96a, aCJ1+12, Dia94, TSH96]. Visually

[ADZK+21, GJM18, LRIC15]. Visuo
daptive

[MSB+06]. Vitality

[ZY18]. VitalVizor

[ZY18]. Vivid

[Sin03f]. Viz

[Sin20c]. VizSim

[De99a]. VLNet

[CNT+97]. VLSI

[GVA86, MN84, PJC88, PK87, Shi86]. vocabulary

[McC83]. Vol

[Ano98f, Ano99, Ano02, Ano03a, Ano04a, Ano05a, Ano06a]. Volcanic

[GSFT16, RG95]. Volume

[AWM10, Ano00, Bai01, BHA+13, Boh95, CJS+19, CBB+14, CW93, DCLK03, FTAT00, Gie92, GP93a, GSHG98, HBR+92a, HJCW06, KMM+01, Lev88, Lev90, Lev00, MD99, MD99d, MB94, MRMH09, Mur93, Neu94, NR03, RDRS10, RBE08, RHC95, SM84, SP15, SES05, TR83, WW86, WK94, WD15c, WMG00, YNF+92, ZCBM14, Gor83, HBR+92b, KHH+94, MPP94, SSG95]. Volume-based

[HBR+92a, HBR+92b]. Volume-Rendering

[Neu94]. Volume-Sampled

[WK94]. Volumes

[AC00, Ber86, LGDL86, Pic90]. Volumetric

[EZM+97, SKU+10, NFMD90, SB97, Sen99, WBS+05, WLS8, UO91]. Volunteer


[MSRMH09]. Voronoi

[AM84, Cho95, LBD92]. Vortex

[KH98, MWY+15]. Vortical

[OKET12]. Vous

[MTT87b]. Voxar

[Pic93]. Voxel

[CMP95, FGR85, GWW86, KB88, LHZ+21]. Voxel-Based

[CMP95, FGR85, GWW86, KB88]. Voxelization

[CK97]. Voyage

[CNL00, Sin06b]. Voyages

[Kn21, FG94]. VPark

[JMT+01]. VR

[AG18b, Ano94, Bal97, BSHW07, Ber99, BKP01, BMHN95, BSBH01, Bry97, CW99, CMB200, Cha97b, Czy+13, CMO+99, COM15, CKP96, CNLO, CN03, DB96, Del00c, Dio97, EBT98, EBBS00, FK+05, FLMZ97, FFA+97, FPW+00, GMNF97, Goe96, GHR01, GRW99, HAB+01, HILW98, IS95, Jer18a, JW01, JXW+08, JLC98, JMOG99, JMC+02, KIQ+06, KKVLO, KKV+02, KKM06, LaV08, LMPW01, LGK+06, LFV+97, Lea97d, LGM13, Lec17, LD97, LRS09, LK08, MR98, MD00f, MBS20, MFG+17, M18, MJ08, MYK+08, PNPS03, PBSB08,
PBVH15, RSS+09, RWF02, RSDP01, RRR+15, RSZ96, RDO+96, Ros97, RDDT97, RBT98, Ron99, SS07, SS01, SKJ+13, SF20, SK03, Sin95d, Sim95e, Sim96a, SPS99, SSS00, SD99, SSRH95, Ta98, UVa95, VK17, VFLJ02, WS09a, WS09b, WSW08, WWG97, ZPA95, ZD98, vDFL+00. **VR-Based** [BSHW07, RRR+15]. **VR/AR** [Agr18b, PBVH15, WSW08]. **VRAIS** [Bal98c, GH97, Lea97d]. **VRML** [Ano98j, BDG+99, CPC99, GTHL99, JW01, Law99, Lea96a, MR99, Nad99, RLIB99, RW99, Whi96a]. **VRMosaic** [AS96]. **VT** [Bli02b, Lea96a, Kri01]. **VR** [CFF01, CRF00]. **VT** [FPP95, FPVH97]. **VT** [ZJH+15, ZDK+16, BMS13]. **WebGL** [D01, WEB99]. **WebGL-Based** [BMS13]. **Week** [Ano20-52, Ano20-53]. **Weight** [ZJH+18]. **Weight-change** [ZJH+18]. **Weighted** [GH86]. **Weighting** [XJW18]. **Welcome** [Sto08, Tho02a]. **Well** [CLP18]. **Western** [Hay95b]. **Whales** [WAPW06]. **Wheel** [CBB+14, FPVH97]. **Where** [Bli88e, Sch07, Sin93c]. **Wherever** [Ana18-50, Ana14-39, Ana15-43]. **Whether** [FMB82]. **Which** [SBF00, Sin10e]. **WHIM** [Goo86]. **Whirled** [Bli02b, Whi95d]. **Warning** [RM95]. **Warping** [BBDZ08, FS90, KBGK17, XJW18, Zha96b]. **WarpIV** [RLV+16]. **Was** [Lev00]. **Watch** [Ano15-44, Koz12, Nie93a, RC85]. **Water** [ASP+21, FAXH17, LHFL20, MMMM21, NTB+20]. **Watermarking** [Ben99, BFW99, CT09, SP04a, YY99]. **Wave** [BC87, Enc13, Kas11c, NTM+01, VS14]. **Wavefront** [Hay95b]. **Wavelet** [DBJY92, Mur93]. **Wavelets** [SD95a, SDS95b]. **Waves** [MM14]. **Way** [Arn14a, MKFN87, Wor93, DB96]. **Ways** [Hay96a, vHdp94]. **Weave** [CLP+15]. **Wearable** [Ano15-45, BBDM98, GFW+16, KBT106, PGV20]. **Wearables** [Ano15-36]. **Wearing** [Sin18f]. **Weather** [KJA+18, TC96, Whi96d, Gel07a]. **Weatherman** [Whi96d]. **Weaving** [Gla02a, Gla03a, Gla03b, IM14]. **Weave** [IM14]. **Web** [BDC+12, AS96, Ano94d, Ano98h, Ano98i, CFF01, CRF+21, CAP+05, FPVH97, Ger96, HB06, Hay96f, Hay96d, HJF06, JKMK+03, KSRS13, Kri01, LLK+03, LK03, Law99, Lea96a, LJB+13, LPMPC11, Mac13, MD99f, MD99e, MD99d, RS97, Sim95a, St000, Whi96a, Whi96d, Whi97, Won08]. **Web-Based** [CFF01, CRF+21, CAP+05, FPVH97]. **Web** [WAPW06]. **Web** [CBB+14, FPVH97]. **Where** [Bli88e, Sch07, Sin93c]. **Wherever** [Ana18-50, Ana14-39, Ana15-43]. **Whether** [FMB82]. **Which** [SBF00, Sin10e]. **WHIM** [Goo86]. **Whirled** [Bli02b, Whi95d]. **Warning** [RM95]. **Warping** [BBDZ08, FS90, KBGK17, XJW18, Zha96b]. **WarpIV** [RLV+16]. **Was** [Lev00]. **Watch** [Ano15-44, Koz12, Nie93a, RC85]. **Water** [ASP+21, FAXH17, LHFL20, MMMM21, NTB+20]. **Watermarking** [Ben99, BFW99, CT09, SP04a, YY99]. **Wave** [BC87, Enc13, Kas11c, NTM+01, VS14]. **Wavefront** [Hay95b]. **Wavelet** [DBJY92, Mur93]. **Wavelets** [SD95a, SDS95b]. **Waves** [MM14]. **Way** [Arn14a, MKFN87, Wor93, DB96]. **Ways** [Hay96a, vHdp94]. **Weave** [CLP+15]. **Wearable** [Ano15-45, BBDM98, GFW+16, KBT106, PGV20]. **Wearables** [Ano15-36]. **Wearing** [Sin18f]. **Weather** [KJA+18, TC96, Whi96d, Gel07a].
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Workbench [Coh83, KKAM84, LSR+00, LRS12, Bry97, KF94, Ros97, RDDT97, WWG97].

Workflow [NTS+07, WLC+12].

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Workstations [GP93a, HW82b, MD99e, MSC89, Ree84, PABS86, RMM+91].

World [Ano15-44, Ano17c, Ano19-39, Ano19-40, Ano20-63, BWWM12, BCPK02, Bli05b, CMT+10, DASF13, Gel07b, GE97b, Ger98, Gre86b, Hag90b, IS95, ML05, MRB19, NL01, Pen10, PRT+98, Rao97, RFT+05, Sin02c, Sin14c, Sin21c, TH01, UCK+04, Zha21, ZED+09, dOYG04, vOW15, Ano97i, Ano17b, Bli88a, Bli90c, Mas18, DOH+20, Ger96, Sim95a, Whi96d].

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Anonymous:2020:CVJ

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Anonymous:2020:FCa


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Anonymous:2020:FCc


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