A Bibliography of Computer Graphics Forum

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Title word cross-reference

1 [TWSM17]. 2 [AH11, BW09, BSW+12, BG89, BCK+12, BCF94, CLME09,
Day90, DGF98, DHH02, DF90, EFGS96, FG88, GD96, GL94a, GL94b,
GBS19, GST14, GT16b, GLX+16, HLM97, HCGW14, HRRR18, HL15,
HYL+15, IEGC08, KBBJ16, KCL+18, LJB+12, LWS18, MBES16, MSM+08,
MB08, NBHN17, OM13, OW19, OGHT10, PCX+18, PW12, PPBT12,
PPEM12, RGG18, SW10, Sch11, SK16a, SSS+12, STP17, The02a, TRS03a,
TRS03b, TSH01, WG93, WZL+12, WRS+13, WTHS06, WGS10, WO92,
WOBT09, YFW12, ZLK05, dGCSAD11, dGLB+14, van90]. 2 [FW99]. 3
[Ais85, AS96b, AA09, ADMAS18, AD01, ANF97a, ANF97b, ASH15, AMSF08,
Att15, ATF12, AH11, AKM16, ARG+16, BG95, BP98, BCG+96, BB00a, Bel87,
BR02, BKG+96, BCBB16, BG99, BTG95, BCK+12, BLS+17, BG08, BYB09,
BH93, BMHT13, BdM14, BCD01, BCF94, BWM01, BNRS01, BB08, BL18,
CS16, CO015, CCFM08, CT003a, CTSO03b, CYY+11, CNKI13, CLB+09,
CMPS93, CMS94, CD94, CYJ02, CACB18, CKSW08, DD+17, DS11a,
DCPS08, DGR+14, DER+10, DMS14, DH93a, EWHS08, EFG96, FFD93,
FW17, GS14, GD96, GL94a, GL94b, GE98, GTS86, GRT14, GLX+16, GTB14,
Han97, HT11, HMTH13, HRRR18, HL14, HL15, HMW+15, HBO+10, HE94,
HFL12, HKM15, HCSC16, Hub93, IIS08, IP99, IK01a, Jac85, JBTS08, JH15, JJKL18, JLW10, Joo86, KZB19, KKB16, KLTZ16, Kil82, KI85, KK07. 3 [KCH^{+}18, KGP^{+}12, KQWM08, LSF^{+}11, LT17, Lav11, LCSL18, LGMT00, LJN02, LVдо18, LOM^{+}18, LDGN15, LGK16, LCM^{+}09, LAFT12, LTX^{+}14, LEM^{+}17, LN17, LCWK07, MHS^{+}14, MGY^{+}18, MCHW18, MFT02, MG10b, MbMYR15, MK99, MCG^{+}19, MPWC13, MEKM17, MGA95, NWHWfd16, NW17, NK99, NRM^{+}12, NRP11, NREM14, NMOT01, O'H02, OMT02, OPC96, ORT18, PBMG15, PSCC18, PB11, PP89, PEP^{+}11b, PGK10, POG13, PGY^{+}09, PS10, PBC^{+}16, PGG^{+}09, PS01, PBC^{+}16, RX^{+}17, RKSA17, RI17, Rob93, RCM^{+}01, RWP88, RAMG15, RL09, Ros97, RBRY19, RLYL14, SSB18, SY14a, SYM10, Sam93a, SW09, Sdr97, SSB08, Sco02, STK12, SYX^{+}11, SLSK07, SN12, SK17, SW92b, SGS14, Sm95, STC^{+}16, SB99b, SP03a, SFWS03a, SP03b, SFWS03b, SSB05, SOM04, SJW^{+}11, SJWS13, SBL12, TDS^{+}16, TWS^{+}11, TL01, TTW90, TTBT12, TW97b, TVD09, TGS96]. 3 [VPLL08, VCD95, VGB^{+}14b, Vel93, VW95, VB99, WG93, WL08, WL10, WCT^{+}15, WZK16, WLL^{+}17, WLJ^{+}18, WWG07, Wat96, WTHS04, WXW18, WLSG03, XXLX14, XXS^{+}15, XQ13, XSX^{+}14, XYY^{+}18, YLLL15, YD88, YHL^{+}16, YL11, ZHC^{+}00, ZPS03, ZRH15, ZZWC16, ZL05, ZKWM16, ZWK16, ZTG^{+}18, ZSG^{+}18, ZJC13, van90, vJB85, vMRBP17]. 4 [CVCH14, CRC^{+}15, HRS18, KPG^{+}16, KBvP17, KBGM18, LWL^{+}16a, MDC93, MKP^{+}16, NCG00, VG00, WH17a, WMWG09, ZFG^{+}17, dHvP14, vPJtHRV12]. 7 [Kun04]. 9 [Kun04]. 2 [SV14]. F [vdCvW16]. I [Hec01]. A [HJL07]. 5 [Mil90]. E [Ska96]. k [BSH15]. kd [CCI13, HH11]. L [DKY98]. L0 [WTL15]. L1 [WZC15]. L2 [SVG^{+}08]. N [Dec05, DVPSH14, NSY09, TPSH14a, ILRS03a, ILRS03b]. Q [Hal99]. r [AAK^{+}09]. Σ [Mil90]. 3 [LG00]. t [RBMS17]. τεχνη [Duc14]. z [SDD^{+}92].

-based [SVG^{+}08], -buffer [SDD^{+}92], -Buffers [Déc05, MIGMM17], -Continuity [WGS10], -D [BW09, Bel87, BG89, DF90, HLM97, MGA95, PCX^{+}18, SW10, SY14a, YD88, ZHC^{+}00], -Dimensional [BMG99, ILRS03a, ILRS03b], -Distribution [RBMS17], -mapping [Hal99]. -Means [FKSS13], -Minimization [BSH15], -PolyVector [DVPSH14], -rep [CBV^{+}14], -Sampled [AAK^{+}09], -shapes [CD10], -Sided [NSY09, TPSH14a], -Sparse [MSAP15], -Subdivision [LG00], -surface [THN93], -systems [DKY98], -Tables [vdCvW16], -Tensor [dGLB^{+}14], -tree [CCI13, HH11], -Valent [RKSA17].

//www.eg.org/sbm/= [Che06].

10th [Ano95]. 11th [Ano96a, AJL^{+}11]. 12 [HJL07]. 13th [Ano92]. 14th [Ano93, Ano95p, Ano96p, LMD04]. 15th [Ano96b, Ano94]. 16th
[Ano97q, Ano97z, Kon06]. 17th [Ano96l, Ano96s]. 18th [AR06]. 1979
[Ano97t, Duc98, MJ98]. 1a [Dam91]. 1st [Ano95b, Arn84, Kon06].

2003 [CA05, DT04, FMK04, KSH04, Kun04, LMD04, SCA04]. 2004
[Ano04b, BPB+04, DL04, Kei04, LLR+04, Oll04, Rafo5, SZAB04]. 2005
[Des06, Kon06, LLD05, NSGP06, Wil06a]. 2006
[Ano07j, BH06, Duc06b, LLRD07, San06, SP06]. 2007
[Bot07, Duc07, Kau07]. 2008 [Ano08e, MTPS08, Wei08]. 2009
[Ano08f, CSLG10, CDD09, DS09, PS10, SJ09b]. 2010 [Enc98, LF11, WBP11].
[Ano05b, 27th [Ano06b, Kil85]. 28th [Ano07g, 29th [Kon06, Ano08d].
2Brick [KLC+15]. 2D [NSC14, HBW11, LH11, MHDG11]. 2D-D [NSC14].
2nd [Kid84, Ano98b, Ano98c, Che06, CG07a].

3-D [WHL+04]. 3-Manifolds [MDP08]. 30th [LLRD07, Ano09c]. 31st
[LLD05, Ano10a]. 32nd [Ano11c]. 33rd [Ano12d]. 34th [Ano13f]. 3D
[BLVD11, DPT+08, Fre90, JTRS12, PNR89, TW97a]. 3D-audio [DPT+08].
3D-Mesh [BLVD11]. 3D-Model [JTRS12]. 3DOR’09 [PS10]. 3DOR’10
4DCT [AAS+16]. 4PCS [MAM14]. 4th [Ano97d, LLD05, Ano06g].

5th [Ano96c, Arn84, CG07a, Ano97e, Ano98d].

60km [HLH+16b]. 60sec [HLH+16b]. 6DOF [BH15, LAFT12]. 6th
[Ano95c, ZY04, tH83b, Ano88a, Ano88c].

7th [Ano95d, Gal84, Kil85, Ano89].

’81 [Enc81]. ’82 [WG82, Wat82, Kid82, Kuh82]. ’83
[HP84, SW83, tH83a, End83b, HET+83, Joo86, tH84]. ’84
[Arn84, Hop84, TB84]. ’85 [Van85, Gre85]. ’86 [HD86, Req86, Rob87, Mor86].
’87 [How87]. ’88 [DJ88, Wat88]. ’89 [HHS89, Arn89, Jan89]. 8th
[Ano97f, Ano97-32, AJL+11, Ano98f, Ano98g, DS98, TvdP98].

’90 [Duc90b]. ’91 [HB91]. ’92 [Arn91, Ano91c, Ano92]. ’93 [Ano93]. ’94
[Ano94]. ’95 [Ano95], Ano95k, Ano95o, Ano95z, Gob95, HP95, PB95, SVZ95,
TT95b, Ano95i]. ’96
[Ano95l, Ano95m, Ano96g, Ano96h, BH96, Gob96, PS96b, Ano96l]. ’97
Ablation [RWS+10]. Absolute [GBS19, KRM+15]. Abstract
[BBP10, DH93b, Han05, HW10, HKSK18, MG87, PBK10, TC93].
Abstraction
[BFG+17, CNKI13, Gna82, IIS09, JC08, KL08, KNH+18, KKD09, KK11b,
MDI+18, PJR+14, SAMS+17, STKD12, SAAF18, WT09, vdZLBI11].
Abstractions [ARH12, BGB+08a]. Abstractive [CZCE08]. Accelerated
[AGG+08, BKB00, BS02, Gar09, KZ08, LMS04, LBPH10, MS14, MMFE08,
Mc96, RPZ02, WBP98, WSR+17, DSSD99]. Accelerating
[BRDC12, BEM11, HLL07, KTO11, LD08c, LL18, LCD09b, RGG15].
Acceleration
[AT10, GRDE10, LLHY09, LBPH10, LCD09b, SPH+09, YN00]. Accelerator
[BAAM17]. Access [KCB97, ZFE16]. Accessibility [HD02]. Accessible
[CH09, KCL06, RLH17a]. According [TX16]. Accumulation [BG09, LC95].
Accuracy [CEX+18, GKB+11, KER+14, SSKB15]. Accurate
[BEN06, BXH10, BPM06, CP10, DF93, DZC11, EL01, FH18, FB08, Hol15,
HK09c, KHM09, KGL+08, LW92, Pat17, RH06, SDMS15, SLTM08, SPSK13,
TPSH14b, TCRS00, ZCSW12, ZCP07, DCV14, LN18, SPCR14]. achieved
[RPP93]. Acid [DTA94]. ACM
[CSLG10, Des06, Des11a, ID10, IC11, LSF+11, PS10, BPB+04, Rob87].
ACM/EG [BPB+04]. Acoustic [BMD+08, HHD+12, MF00]. Acquisition
[BP06, BPW14, BR02, CML+12, CMF18, DSY10, DCG87, GG+16a,
KBO+14, LDW+10, LDY10, MPM+14, MMS+05, RA94, SHS99, VF16,
WHL+04, WZ15, YHL+16]. Across [BJG+15, KZM12]. Actions
[HKG06, KMT92]. Active [BZL+18, Gla99, HH98]. Activities
[Ano84a, GSHM10, Mud83]. Activity
[APH+12, CD18, EB00, JNM+09, RL84]. Activity-Led [APH+12].
Actors [GVS+15, KGR+17, NT95, ST94]. Actual [KUMY10]. Actuator
[dSNV+17]. ADA [MAC84, Mil87]. Adaptable
[LCC+18, RSLS17, WW99, ZHK15, KSH92]. Adaptation
[CC06, GRC13, LGW18, PWP08, WW09b]. Adaptations [ARM+15].
Adapted [KLD+09, ZSS17]. Adapting [GLK16]. Adaptive
[AG10, AHTA14, And12, BW09, BYM18, BT95, BBH13, BXH10,
BPW07, BS08, BP01, BHH10a, CG02, CD08, CWW+11, CYY11, CB99,
CG+03a, CGG+03b, CAE08, CGF05, CG07b, CPK09, DGT96, DMW12,
DMC03a, DMC03b, DDC09, DRS09, FHHJ18, FP04, FCGW02, GG98,
GPK+12, GCSA13, GMC+06, GV05, GBP07, HWC+05, HH98, HJ99, IP00,
IFL13, JZYP18, KL14, KH19, KJ92, KMS07, KBT+12, KKR18, LGP14, LPD14, LMPS16, MWN+17, MTF03a, MTF03b, NGM14, OK12, PJ94, PCK09, PGSD13, PWH98, RCB11, REH+11, RAMG15, RÖG17, SVL10, SHS99, SP01, SO12, SD94b, SKSS14, ST08, SGEM16, TsdSK13, Ure00, WDGT01, WN09, XSSM13, YYW08, YIC+11, ZBP99, ZWC16, ZJL+15, dS96, vTKP11, FCS+16, LBT92, Rap92]. Adaptively [And10, DRS08].

Adding [Bak88, BB17, LAA08, SSJ+10, WYKR17]. Additively [Man16].

addressing [Ger92]. Adjacency [DRW15, MR17]. adjacent [SZ18]. Adjoint [HO17]. Adjustment [AP10a, LM10, LCG10]. Adjustments [LAA08]. Advanced [BDS03, DDPL00, HSS+05, HE01, HP02, Kil85, KG18, UBH14, XLTP03a, XLTP03b]. Advances [Ale02, BW01, Cas12, GI18, JH15, KRP+15, ZJL+15]. Advantage [KMJE12].

Advected [WHT12]. Advection [AVBC16, CKSW08, KSW+12, LTH08, SWPL08, Wei04, YMM10].


Aesthetic [Gda17, KM16, OM13]. Aesthetics [Ano08e, Ano08f, DH16, ID10, NSGP06].

Aect [DBHM03a, DBHM03b]. aecting [Kin95]. Aective [LC09].

Ane [BLTD17, KHK+09, NG92, NR95, Vax12, dFSV03, dS96]. Affine [BLTD17].

Africa [GS06]. African [GSHM10]. AFRIGRAPH [GS06, GSHM10]. after [MGN17, SHZD17]. Afterimages [RE12]. Again [GLG+16]. Against [HL02]. Age [Fra83]. Agenda [Arn08]. Agent [EBMT00, LCM+18, SG905]. Agent-Based [LCM+18]. Agents [BBT99, LPSV14, NG03a, NG03b, RPA+15, Bad93]. Agglomerative [DCY19]. Aggregate [BNH+16]. Aggregates [SM14a]. Aggregation [HBW11, LH11, MMV+13, MHDG11, ZAM+16].

Agile [BH15, LMLG15, LMPD15, MRT08]. Aging [BPMG04, DGA04, GMW04, HG08, IGAGJ15, KB04, SSSB07]. AGM [Ano95p, Ano96b]. AGRELs [RK94]. Aided [BF84, Owe88, Owe89b, Owe94, Owe90b, Owe92a, Owe93, Owe95]. Aiming [DKY96]. Air [BJA+15, EHH+13]. Airline [RPMO13]. al [BPY16, ERA+16, Man16]. Alain [Fiu01]. Albedo [GMD10, WL08].

Albero [DPD+17]. Album [ZH12]. Albums [RGM+18]. Albuquerque [Osl82]. Algae [DTA94]. Algebra [SAD+16]. Algebraic [EBV01, Gaa83, GGG08, RS08]. ALGOL [MA85]. Algorithm [And89, AS95, AHT04, BS98, CFFP84, CY89, COF95, Day90, DBG99].

EMP+12, FP04, FP94, FBW01, Fis98, FA87, Hew84a, HS98, HB94, HL02, KSKAC02, Kuz90, Kuz95, LLA06, Lin85, Liu94, LZY04, LSZ08, LCDW16, LS15, Mi84, Moh87, MGAF95, NW01, O’H02, OM13, PM16, PJ94, RH95, RR94, SB13, SAABB11, Ska87, Sug94, SN84, TT95a, TTN+13, TBKP12, VW90, WC05, WZKP14, ZC097, vKB94, AP92, BP93, BLS93, BBA08, Day92, FND92, JCT14, Kra92, LCLJ10, Rap92, Ska96, ZJC13].

Algorithmic
Algorithms [AGR19, AR94, BCS96, BZL+18, CDSS14, Day88, FMH16, G18, HH11, HSS17, JEO00, JFS09, KS13a, LS89, Mil83, MBW+05, SSO+10, SM86, SLD+17, SG96b, SN86, TIS+95, UWF06, Vel99, VCC98, WH17a, DFIM15, DMCN+17, EMU17, SDD+92, VW91]. Alias [SEA08]. Alias-free [SEA08]. Aliased [DS05a, Liu94, TNF89]. Aliasing [AGJ12, BK01, Chr86, DFY14, Pil85, GM06]. Alignment [AGP08, AKM16, CIE+16, CRC+15, COF95, ESKBC17, GVS+15, SBC14, SDK+15, NNR515]. All-Frequency [IFL13, MC10b, OPP10, IFDN12]. All-Hex [GSZ11]. All-Integer [Liu94]. all-scale [LN17]. Alleged [RPSF15]. Alleviating [BMS+10]. Allocation [DDH+18]. Allocator [VH15]. Allometric [MKR11]. Alone [WMTG05, ZHC+00]. Along [BJG+15, LSZ08]. Alpha [GMW97, GO10, WS09a, Wil06b]. Alphabetic [LO95]. Alternating [HCW17]. Alternative [EWK+13, MKV09, Gui92]. Alvey [Cre88]. Ambient [LK10, LWDB10, MSW10, MBDC15, PB07, RMSD+08, SGG15, Tim13, YWC+10]. Ambiguity [SJB+17]. Ambiguous [AHM09, CD10]. Ambrosio [BCGL18]. AmniVis [NLB+13]. among [Man16]. Amplification [BDC18]. Analaglyph [LMSG16, SW11]. Analogy [MHS+14]. Analogy-driven [MHS+14]. Analyses [BMS+10, XBL+18]. Analysis [ASB+17, AYLM13, AFK+14, AAS+16, ABG+12, Ano99m, ACC15, ACOHS18, AGCO13, BAT11, BTK+06, BSK16, BPW14, BDF+14, BPFG11, BWM+11, Ber09, BCGS13, BSK+17, BMPM12, BHTMI3, BVLS11, BTB13, BHU10b, BCWR08, CT11, CD18, CKB+17, CKGC14, CCGS+09, CLCL11, CIZW12, CWW+15, DAF+18, DW13, DI18, DPD+15, DG97, EKF12, ERMH11, EHT+13, ER18, ESKBC17, EBC17, FdAB99, FR11, FKRW16, GHX+17, GMLMG12, GBAL09, GD96, GL12, GL94b, GWHG14, HK12, HRR+15, HDSD99, HGWM14, HZRS18, HCM17, HG18, HMP+12, HFL12, HSvK18, HWAG09, HKM15, HO17, JFCS17, JNM+09, JE13, JKK+18, KCJ16, KMAB15, KFFH10, KBBM15, LKL500, KLF10, KNH19, KCA+16, KASH13, KVX+10, KKL+16b, KTW+13, KSKL13, KBD+14, LCF+12, LSS+12, LZW+13, LMG+18a, LB19, LFS+15, LZ07, LZCO09, LW+15, LA15, LJC17, MTR08, MK17, MPM+14, MGG+12]. Analysis [MRCB18, MC10a, MLD+18, MHHH15, MKO+08, MUN83, NGB+09, NHL16, NMT01, OAM+18, OT12, OBCC13, OMPG13, PSPM12, PPW18, PG5+16, Pat16, PPy+16, PPBT12, Pos11b, PB90, RCMM+16, RPK+12, Ric87a, RL414, RH+12, SHSK16, SPB+17, SW04a, SvW13, SXY+11, SV10, SS+12, SJ17, SL16, SGB13, SS+15b, SBM+14, SOG09, SJW+11, SMB+17, SKFNC97, TFA+11, TW+09, TPRH11, VH&+18, WMS+08, WXL+11, WMZ12, WCB15, WHP+11, WAF+11, XDC+13, XKHK17, YMMSS06, YNM+13, ZAM+16, ZSL+17, vLKS+11, BG93, DFIM15, GL94a, KGGP18, Kra92, MK08, NGM14, NNN11, SNJ+14]. Analysis-Oriented [MC10a]. Analytic [AGJ12, AWJ13, HC14, MS13, MRMH12, MMG10, NBMJ14, TT97, TBTB12].
Analytical [PP09a]. Analytics [ARRO+17, ALA+18, BEF17, BLY+11, BJA+15, BCWR08, CBK+17, CLY17, DI18, DPD+17, DWT+11, EASKC18, ERT+17, HKD+08, HSK+10, HJM+11, IF09, JZF+09, KMJE12, KWS+15, LGH+17, LRB+15, MKO8, OSR+14, PZDD19, RSM+16, RvdHD+15, RCMA+18, RMM15, SGS18, SHP+19, WMS+08, WDC+10, ZAM+16].

Analyzer [LAD02]. Analyzing [JL17, KMJE12, LKZ+15, LMA+18, RXX+17, SHS+17, WDM+12, WH17b].

Anatomical [CLME09, DMNV12, GRP10, JBB+08, ZHK15]. Anatomy [NJB+11].[ZPS03]. Anatomy-Based [ZPS03]. Anatomy-Guided [NJB+11].

Anchor [AR95]. anchored [SHS+17]. Anchors [SFLP18].

Andreas [Ano07b]. Android [LFC14].

Aneurysm [NGB+09, SLB+18, vPGL+14]. Aneurysms [MVB+17, NJB+11, NLB+13]. Angeles [Ano97-32, LLD05, van89a, Bad93, SSK93].

Angle [AVR10, Gam16, LAD02, VR12, SHD16]. Angle-Analyzer [LAD02]. Angles [SK16b]. Anglia [Ano97z, Ano97-28, AEL+82]. Angular [KB89]. ANIMA [MM93]. Animacy [RAP08]. Animal [DHS+13, GKPL11, GJL+09, KOB+08, SVL16, WPP13]. Animals [KKB16, Tert02, WF97]. Animatable [LGMT00]. Animated [BT95, BSAP11, GEY12, GFW+06, GRR+16, KSO10, KFA+10, KFA+14, LS10a, LGP14, LL05, LCL07, LCSCO10, LXFW11, LAFT12, MTT89, MCH94, MPP+13, MB97, MH07, MBCN09, MGC+16, MAA+09, Moh87, MCT01, NB88, NAS07, OAI91, OAO11, OTH02, Osh08, PG95, PHTB12, PP07, Pat95, PMG13, PG08, PTB+03a].

Animation [ATBG08, Ano95-27, Ano98f, ARy86, AB97, AW13, ARG+16, AO13, BYL16, BCN03b, BS16, BS19, BTST12, BM15, BKS+95, BPB+04, BBL12, CH12, CTL13, CKGC14, CKB04, CZZ+18, CYI+12, CNK13, CYJ02, CKE+12, Col05, CMT02, DAP08, DTTS08, DN08, DO00, DF90, DKY98, DUR01, ECN14, GLHB09, GP12, GGK06, GFW+06, GW05, GCY+14, HMLP13, HKW09, HENSYS16, HE01, HKG06, HEG90, HEG91, HKMS08, HE94, HSMCY13, HK03a, HS01, HLL16, ITYI09, JCK+13, JK13, JL08, KL14, KZ05, KSO10, KL19, KHIK01, KMT03a, KMT03b, KMA05, KYC16, KMB94, KS12b, LL00, LF11, LL05, LCL07, LCSCO10, LXFW11, LAFT12, MTT89, MCH94, MPP+13, MB97, MH07, MBCN09, MGC+16, MAA+09, Moh87, MCT01, NB88, NAS07, OAI91, OAO11, OTH02, Osh08, PG95, PHTB12, PP07, PAT95, PMG13, PG08, PTB+03a].

Animations [PH94, PH96, PT88, RAP08, RLNO06, RHC08, RPPD17, RSKN08, SCC04, SSSK04a, SKZF11, SCR+18, SL09, SN06, SMM13, SLTM08, SIKD05, Sni95, SHS13, SBC+17, SKC01, SJF11, TFK+03a, TFK+03b, TCLK12, TTN+13, TWT+16, TM004, TMTS6, TvdP98, TAAP+16, TG98, VVE+10, VSC01, WPP13, WWS+15, WSG05, WDAH10, WH96, XWG+13, XLL+10, YLH12, YO98, YM+17, YMO6, YKH+09, YYPZ07, YLRC10, ZISS04, ZLYL17, ZLK05, ZXTD10, ZLKW13, ZRJ+15, vBE11, van97, vdP97, BH96, DTC96, DRBR09, ESP92, HG92, HPT89, JW89, KB92, LG92, MM93,
Rob93, TT95b, TD00, WO92, YNBH09, AFHdL14, CIPT14, GDAU14, HNJ+14, JZW14, RTK+14, TPSH14b, TSK14, VB14a, VF14, WGO+14.

**Animation-Aware** [MPP+13]. **Animations** [AM00, BG95, BBT11, DDM03, DTTS08, FLJ+14, HVAPB08, MP10, NC10, OZS08, PC94, VS09, VT94, GDAU14, VF14]. **Anisotropic** [AA06, BPY16, BMR+16, CG16a, CHK13, DGF98, FV14, HMS09, HP04, KMG96, KKD09, MYLZ16, MRMH12, QCW+18, SGW12, VF16, ZZCJ14, RGB+14].

**Anisotropy** [GCP+09, OBH+11, PWP08]. **ANN** [TSPP16]. **Annotated** [AM00, BG95, BBT11, DDM03, DTTS08, FLJ+14, HVAPB08, MP10, NC10, OZS08, PC94, VS09, VT94, GDAU14, VF14]. **Announcement** [BCD01, WTLY12].

**Annual** [Ano87a, Ano88a, Ano91a, Ano92, Ano93, Ano94, Ano96l, Ano96s, Ano97o, Ano97q, Ano97-28, Ano98a, SCA04]. **Apparent** [SLTM08]. **Appearance** [ACG+17, BSH12, BVP+09, BBDA10, CRC+15, DWL+09, DDKL09, DKY16, DHI+15, EKM01, GCP+09, GMM+12, GG15, GCGP18, HLR+11, JRJ11, KRP+15, LAS+11, LWB14, MWS+16, MRMH12, MSHD15, MES+11, NSR17, OVB+15, PCDS12, PWC+09, PdMJ14, RK09a, SPN+16, SKZ11, SSO09, VAW+10, VF16, WRK+16, WW11, WDR11, WZ15, YLD+18, YMSM06, YIC+09, CVCH14, IMDN14, NNRS15, VSD09].

**Application** [ABC+04, AM95, BB08, Buh01, CL99, Deb18, DMCP94, End84b, HSK+10, Haw85, HLJ+13, LDB07, LFC14, Mac84, ML91, PA06, PS95, SMTG07, YB18, BM93, CFM93, HS92, HK92]. **Application-Specific** [Deb18]. **Approach**

**Antialiased** [DAS05a, Li99, TFN89]. **Anti-Aliasing** [AGJ12, BK01, Chr86, DS05a, DFY14, GM06, Li99, Pil85, TNF89]. **Any** [MRL10, MFL13, Pas02, Kur15, ML91]. **AOI** [BKW13]. **Aorta** [KPG+16, MKP+16].

**Anomaly** [SBM+14], **Anonymized** [TLFC16], **ANSC** [Arn84]. **Anti** [AGJ12, BK01, Chr86, DS05a, DFY14, GM06, Li99, Pil85, TFN89]. **Anti-Aliased** [DAS05a, Li99, TFN89]. **Anti-Aliasing** [AGJ12, BK01, Chr86, DFY14, Pil85, GM06]. **Antialiased** [PWC+09]. **Antialiasing** [CW99, JESG12, LA06, Sch01, NG92]. **Any** [MRL10, MFL13, Pas02, Kur15, ML91]. **AOI** [BKW13]. **Aorta** [KPG+16, MKP+16].

**Apparent** [SLTM08]. **Appearance** [ACG+17, BSH12, BVP+09, BBDA10, CRC+15, DWL+09, DDKL09, DKY16, DHI+15, EKM01, GCP+09, GMM+12, GG15, GCGP18, HLR+11, JRJ11, KRP+15, LAS+11, LWB14, MWS+16, MRMH12, MSHD15, MES+11, NSR17, OVB+15, PCDS12, PWC+09, PdMJ14, RK09a, SPN+16, SKZ11, SSO09, VAW+10, VF16, WRK+16, WW11, WDR11, WZ15, YLD+18, YMSM06, YIC+09, CVCH14, IMDN14, NNRS15, VSD09].

**Application** [ABC+04, AM95, BB08, Büh01, CL99, Deb18, DMCP94, End84b, HSK+10, Haw85, HLJ+13, LDB07, LFC14, Mac84, ML91, PA06, PS95, SMTG07, YB18, BM93, CFM93, HS92, HK92]. **Application-Specific** [Deb18]. **Approach**

**Applied** [Des04, SKFNC97, WH17a, CRW83, KDCM14, YMM10]. **Applying** [Rok97, SFP+19, XADR13, YR97]. **Appreciation** [Fin01]. **Approach**
Approximate [AE86, AHMAM15, AM95, Ary84, Ary86, ABCO13, BSAP11, BWS03a, BWS03b, BB91, BPMG08, BL11, BBL11, BBL+ 09, Buc98, CC14, CN05, Chr86, CMT05, CAH00, DJW+ 06, DPD+ 17, Dvt90, DDrR94, ELM+ 12, Enc82, Fau96, FFN18, FM04, GLHH13, GD10, Gna83, GCL+ 06, HJM+ 11, HKR02, HJS+ 17, IK00, JB12, JCG94, JWL+ 13, KPRN11, KPNS10, KS10, KK18, KVLS99, KB00, Lai13, LD04, LL00, LDdLRB16, LZQ13, LZX+ 08, ML03, Men95, Mer11, MKO+ 11, ND94, NBCW+ 11, NMOT01, OMT02, PPD07, PPS07, PL94, PIC12, Pic86b, PB07, PNVS17, PRZ02, RCB+ 17a, Ros13, RGTC98, SW10, Sch90, SKZ11, SLCZ09, TMLR14, TW06, TC94, WHE16, WLL+ 17, WW87a, Wei04, WE97, WT11, WC16, WCH+ 15, XYL09, YKM12, ZSP98, ZQK04, ZQQS08, ZCHM09, ZCG98, dGCSAD11, vdEvW13, BS02, BPZ96, EZK08].

Approaches [ESP92, GMDW09, HCL93, NN93, PCBL16, SW92a].

Approximation [AMSF08, BGAM04, Bou88, BTP13, BSH15, BB08, CDSS14, EBV05, Kob05, KER+ 14, LC91, LPG13, Mai00, ML99, MS14, MRL10, NBH18b, NL13, PPL13, PCDS12, RR96, SPS06, YG11, KP13].

Approximations [BF15, GKD07, WB02].

April [Ano97s, BP82, Duc98, Gob96, LSF+ 11, Kje91a].

Arbitrary [Ano97s, BP82, Duc98, Gob96, LSF+ 11, Kje91a].

Arches [PGGM09a].

Architecture [Ais85, BKD+ 17, CLDD09, DKYN96, Hua17, LF4G08, LCZ99, MHA17, SC08a, SMS+ 17].
EWHS08, Elb99, ERT+17, FW17, Fra83, GP12, GGG+16a, GT18, Hec01, xHMC09, Kau04, KRP+15, KKF+17, KBG+15, KKL+16b, KPK18, KLC+15, KYC16, LHD+04, LCCC13, LHT17, LKG+16, LGH+17, IW99, MFP15, MFS08, ME98, MMS+05, MKRE16, NSG11, NMK+06, NK16, OLG+07, Pat16, PP10, PVS+18, PPF+11, RDGK12, RGG+14, RD05, SIE17, Sal96, SPN+16, Smi85, SLKL14, Sor06, SKU08, SKUP+09, Sz91b, TDS+16, TKH+05, Tru84, TAE15, UWP06, VCD+16, VBB+06, WMG+09, WWS+15, YM09, YIC+12, ZTG+18, ZSG+18, XJL+15, vLKS+11.

Art-photographic [SLKL14]. artery [KGGP18]. Arteries [DHS+13].

Art [GOH+10, GHB+17, KPG+16]. Articles [KvLB14]. Articulated [CZ08, DGVO8, GHT+07, GHK+10, JLW10, LS09, LG13, MCH13, OM01, PG08, RT08a, RF15, TST+15, WLZH17, WBM+18, YLD07, YLY+16, BT92].

Articulated-ICP [TST+15]. Articulated-Motion-Aware [WLZH17].

articulation [TSK14]. Artifacts [GL10b, TMHD12, VCL+11]. Artificial [Ter02, TMT86, dSNV+17, DKW94a]. ArtiSketch [LG13]. Artist [MAA+09, RSC01]. Artist-directable [MAA+09]. Artist-Directed [RSC01]. Artistic [CJWZ12, EWHS08, KPD10, KSL+08, KS10, LLC13, OKP+08, SPN+16, SE02a, SE02b]. Artistically [CS16]. arts [CFM93].

As-Conformal-As-Possible [YMKY14]. As-Killing-As-Possible [SBCBG11b]. As-Rigid-As-Possible [WCX+13]. As-Similar-As-Possible [CG16b]. ASCII [MFP15]. Aspects [Ric87c]. Aspheric [JKL+16].

Assemble [GDG12]. Assembly [Ano95r, Ano97-30, Ano04b, MRS18, NJGW15, TWT+16, XMM+13, Ano05b, Ano06b, Ano07g, Ano08d, Ano09c, Ano10a, Ano11c, Ano12d, Ano13f].

Assess [SSM12]. Assessing [KH18]. Assessment [BCB16, GMSK09, KPG+16, Lav11, LLL+11, MTM12, RWS+10, RPSF15, vPGL+14, Cla92].

assets [LN17]. Assignment [KYLK14]. Assisted [BAAR14, BVLSB11, CSI09, KWC+12, LDGN15, MMF10, JHT14].

Association [Ano84a, Ano92, Ano93, Ano96l, Ano96s, Ano97o, Ano04g, Ano05e, Ano06c, Ano07l, Ano10c, Ano11e, Ano12f, Ano13i, GSHM10].

Associative [KRD+15]. Astrolabes [Zot08]. Astronomical [WLM13].


Atmospheric [BN08b, Wil87b]. Atomic [LHH12a]. Atomistic [FEK13].

Attention [BHO+10, KHW13, LCL18, WWV17]. Attention-Guiding [KWH13]. Attenuators [KBK+12]. Attractors [YMM10]. Attribute [BHMT13, CDA+14, DKB+16, Gos89, MFL13, SJH08, SSGM17].

Attribute-Based [CDA+14]. Attribute-preserving [SSGM17].

Attribute-Specific [SH08]. Audio [GVS+15, DPT+08]. Audiovisual [DDH+18]. Audition [NT95]. Auditor [Ano95e, Ano97h, Ano08a].

Auditors [Ano04g, Ano05e, Ano06c, Ano07l, Ano10c, Ano11e, Ano12f, Ano13i].

Auditory [HHD+12]. Augmentation [BBIG17]. Augmented [AKB+95, BAAR13, BBCW10, BES00, BWRT96, EWEK+13, HVM+08, LE13,
Augmenting [KMN+08, NW13]. August [Ano97-29, Ano97-32, BH96, CSLG10, Che06, DL04, IC11, Kil85, LLR+04, LLD05, LLRD07, Req86, tH83a, Rob87]. August-2 [tH83a]. Aura [JKL18]. Ausgraph [HD86]. AUSGRAPH’90 [Mae90]. Australian [Mae90]. Austria [CG07a, Des06, HK94, HB91, Pur07]. Authentication [XYL09]. Author [Ano98m, Ano04h, Ano05f, Ano06f, LTC18]. Authoring [GPGB11, GPG+16, HBDP17, RJT18, SH14a, WPHC16]. Authorship [SRG16]. Auto [GBAL09]. Autocorrelation [AKM16]. autoencoder [NW17]. Automated [LLN+14, MMNG17]. Automatic [AAB+96, AGM+06, AS00, ATCO+10, BAAR13, BMWW14, BTG95, BVRT96, CZ08, CTHAM10, DTTSS8, DBLW15, ELM+12, FCOL00, GSE+14a, GOH+10, GK03a, Gk03b, JBTS08, Koc93, KvLB14, KGRG17, LJN02, Ll05, Lsz+18, LCUR14, LTX+14, MK05, MB97, MZT09, ML03, McC83, MEKM17, MKO+00, MSF00, NS11, SM11, SML15, ST94, SL01, SJH+16, SAA09, SBM+10, Viz07, WK12b, WXR+16, WBSH+13, WT09, WS09b, XJ+08, YLRc10, vMRBPM17, MPK+16, PFC+05, SKK07]. Automatically [BTST12]. Automating [WZL+12]. Automultiscopic [RHS+12]. Autonomous [BBT99, ELPH19, PO02, RL84]. Autonomy [Col05]. Autostereoscopic [EBA+09, CHA+14]. AutoStyle [LCUR14]. Avalanches [CEG+18]. Avatars [VSC01]. AVOCADO [SLSG16]. Avoidance [BP17, Neb00]. Award [Ano95a, Ano15a, Bot07, Bru11, Can11, Dre07, Duc06b, Duc07, Eis11, Kau07, JW01]. Awards [Ano05g, Ano97v]. Aware [BPFG11, BFR17, CSD11, CLLC15, CK13, CC00, CWMO9, CBSS17, DSWH17, DGEg09, GDML13, GRE11, GPR+15, HSSnC13, HK90c, JWS12, JKJL18, JWL+13, KLW12, KYC16, KWW+14, LG16, LGH13, LAA08, Ljxz15, LWS+16, LMHH14, LMLF15, MS12, MPP+13, MDW08, Nk14, PTP+15, PTA+11, SLA15, SRWS10, TOZ+11, TWT+16, Tok15a, TMH11, Wjdz14, WTL15, WLSH17, WSLg07, YSL08, ZHM08, ZOA+18, ZDJ16, CLE07, DCNP14, JLKL16, KKTD17, KDCM14, LM10, Lzsc09, LFA+15, LSP+14, SP13, YCLE09, YWM15, YCL+17, CACB18]. Awareness [LTC18, MbMYR15]. Axes [KOB+08, RSSL17]. Axis [Btg95, HCGW14, LKF12, PWS12, TRLB18, WYKR17, YYG18]. Axis-Aligned [PWS12, TRLB18, WYKR17].
based

[DZCC19, Den03a, DKBW18, DSW09, DMS14, DBS+11, DM92, DH+15, DMCN+17, Dut04, EBS99, EPAS11, FFD93, FH18, FLJ+14, FLW00, GA96, GHK+10, GJ02, GGM12, GSC18, GKS00, Got03, GGK06, GBKG04, GBP04, GCY+14, GCPG18, GTB14, HWA+10, HNJ+14, HLH+16a, HKMS08, HKB02, HGA+10, HHGJ15, HKSK18, IMIM08, IY10, IYS+13, IK01b, IUDN10, Jac85, JTR+12, JC10, JZ+09, JKK+18, KMTT92, KSN08, KMS+13, KMAB15, KMG96, KJC+09, KL800, KS10, KYKL14, K18, KO19, KSK97a, KSK97b, KMM+18, KT+13, KB12, LL00, LSD+05, LMM10, LVPI18, LLY99, LCCC13, LOM+18, LMS04, LTH08, LCB+18, LEE15, LF15, LG+08, LG15, LFA+15, LWX+15, MG96, MW11, MFS08, MH13, MMS07, MRS08, MRS18, MS+86, MKRE16, NGM14, NB15, OJS+11, OOI05, OGG09, PSPM12, PJJ+11, PEP+11a, PC12, RKR+16, RZLG08, RZS10, RBDD18, RSK10, RSK13, SSKB15, SCG+16, Sbe93, SLE18, SVG+08, SS08, Sch11, SS09, SXY+11, SGG15, STP17, Szy11, TZF04, TO97, TTN+13, TWC+16, TFS09, TSK+14, TWJ06, VCC+11, VB00, VMH+13, WZC+11, WFZ+15, WMT+18, WLS13, WGS10, WSE04, WHCO08, W90a, WBCG09b, WT+11, WK04, WFLW18, XWG+13, XLY+10, YK92, YFGL09, YQL+17, YK06, YBS07, YWW08, YZ02, ZQQ08, ZLW13, hZCK98, vDH10, CSLG10, RGG+14, TDF+15]. Bases

[FS08, HA17, HS08, MKB+08, KB+13]. Basic

[Arn08, DI18, St88, B92, KP11]. Basis

[BK05b, DKN+08, KBB+13]. Batch

[SS95]. Batched

[BB17, BBL+09, DRA10, WYD+13]. Bayesian

[BCC]. BCC

[BB03, GG+03a, GG+03b]. Be

[GBK96]. Beam

[BB11, HCJ13]. Beams

[MBG08]. Beams

[Beacon]. Beacon

[BK14, PP05, Ros13, UT02, WH17a, vDCW14]. Behaviors

[HRD+15, Bad93, LJ+12, SCG04]. Behaviour

[AVF+04, LD04, RP+15, SEAS09, SG04, VAW+10, WLZ13, ZCT18]. Behaviours

[BF94, MCT01, VZ09, TD00]. Behavioural

[BF94, MCT01, VZ09, TD00]. Behaviours

[Belgium]. Bending

[Beltrani]. Benchmark

[MBD14]. BendyLights

[BK10]. Bernstein

[BD16, DF85, G01, Gue82, S10]. Between

[BWM01, EL01, FG04, GSTG16, HHS01, KFA+14, OBCC13, SNB+12, VVE+10, DM+08, EBC17, HMRSK92, JK18, KGL+98, NHH97, PC16, PB90, RC02, RSS96, SBC16, SZ18, TML+14, VM12, ZHC+00]. BetweenIT

[WNS+10]. Beyond

[BMG08, HHD03a, HHD03b, KASH13, KBK09, LD09, MMS07, Saw07, SD94, SKMS06, YNBH09]. Bézier
[AMAM13, LW95, LJBA13, LW92, SDD+92, Sun92, TT94]. Buffers
[ déc05, MIGMM17]. Building [ALA+18, BPM06, Fuc97, KBW+12, KWS16, LJN02, NBA18, SK17, WFLW18, vL90]. Buildings
[CML+12, HMD05, KMK12, LWB14, MGA+95, MWW12, VKW+12, Koc93]. Built [Kuz95]. Built-in [Kuz95]. Bulge [Blo97]. Bulk [ASB+17].


C [Bak91a, GMC+06, KDCM14, Ric87c]. C-BDAM [GMC+06]. C-LOD [KDCM14]. Cable [MCJM18, SL07]. Cache [BRDC+12, BGB08b, HMS09, SS96a, YM06]. Cache-Efficient [YM06].

Caching [BG02, CLF+03a, CLF+03b, DBB+09, GKB09, GKPS12, JR16, KVS+14, LLD10, PGSD13, RCB+11, SNRS12, SKDM05]. CAD [Ais85, Arb90, BKB+98, MGAF95, MWW12, Koc93, Koc95].

Camera [BCS96, BIWG08, BTS+17b, CN05, CON08, DJZ+09, ESKT15, FCOI00, GL10b, GCW15, GBS+19, HHS01, JL98, LK17, LLLC+16, LLB+10, MPS05, PSHZ+15, SM11, SDHL16, WH04, WYD+13, ZZ17, MG96].

Cameraman [JL98]. Cameras [CSC+18, KBKL10, LTX+14, MRT08, XYY+18, ZSG+18, KBØ+14].

Camouflage [DJM12]. CAMP [Joo86]. Can [KP15, KSB12, Ros97, Sá07].


Canvas [ZLDM16]. Capabilities [Sco02, SD00]. Capability [Bel87, Ben94].

Caps [UG18]. Capstone [Grö11]. Capture [AVR10, ACOHS18, BK03a, CZY11, CKHL11, DBB+18, DUK16, ESKT15, FKR13, FHW+11, FGT+16, GBU00, GP09, HBLB17, JL08, KMB+17, KRP+15, MMS07, NSR17, NVH+13, PKG03a, PG08, PH03b, PH03a, RBB01, SKSK07, SSK+05, VF16, VF16, VF16].

Calculations [Pic86b]. Calculation [DKYN96, FM15, PA06, Gui92, MMAG93].

Calculus [Des04, Gre97]. Calendar [Ano95l, Ano95m, Ano95n, Ano96g, Ano96h, Ano97e, Ano97g].

Calender [Ano97n]. Calibrated [CZGF05]. Calibration [BD04, RvBWR+04, WH04, WC+95]. California [LLR+04, LLD05, SCA+04].

Call [Ano95n, Ano95l, Ano95m, Ano95k, Ano96g, Ano96h, Ano96v, Ano98b, Ano98c, Ano98h, Ano98i, Ano97i, Ano97f, Ano97e, Ano97g].

Calligraphic [XJJ+08]. Calligraphy [XWG+13]. CAM [KH96, RGM85].

CAMA [TWT+16]. Cambial [KSG+15]. Cambridge [Arn91, Cre88].

Camera [BCS96, BIWG08, BTS+17b, CN05, CON08, DJZ+09, ESKT15, FCOI00, GL10b, GCW15, GBS+19, HHS01, JL98, LK17, LLLC+16, LLB+10, MPS05, PSHZ+15, SM11, SDHL16, WH04, WYD+13, ZZ17, MG96].

Cameraman [JL98]. Cameras [CSC+18, KBKL10, LTX+14, MRT08, XYY+18, ZSG+18, KBØ+14].

Camouflage [DJM12]. CAMP [Joo86]. Can [KP15, KSB12, Ros97, Sá07].


Canvas [ZLDM16]. Capabilities [Sco02, SD00]. Capability [Bel87, Ben94].

Caps [UG18]. Capstone [Grö11]. Capture [AVR10, ACOHS18, BK03a, CZY11, CKHL11, DBB+18, DUK16, ESKT15, FKR13, FHW+11, FGT+16, GBU00, GP09, HBLB17, JL08, KMB+17, KRP+15, MMS07, NSR17, NVH+13, PKG03a, PG08, PH03b, PH03a, RBB01, SKSK07, SSK+05, VF16, VF16, VF16].
Captured
[AA09, CTL13, CZ09, KZB19, PZB+09].
Capturing
[CLHL08, DWL+09, HS99, HFM16, LWS+13, PSCN10, SGMG17, WJG+16].
Car
[CG09, MJK11, RMS+08, OYSO92],
Carbon
[RPK+12],
Cardiac
[KPG+16, KBvP+17, KGGP18],
Caricature
[LCM+09, WL10],
Carla
[Duc00],
Carlo
[Gob95, Gob96, BEEM15, BRM+16b, BB17, BBL+09, DWR10, GAM17, GKT16, HD14a, KSV13a, KVS+14, MMG18, MJL+13, MIGMM17, MGN17, NGB18, OPW08, Pic86b, SHZD17, SMJ17, SKFNC97, VAN+19, ZHR15].
Carmel
[Arn84].
Carotid
[DHS+13].
Cars
[CCC+14].
Cartogram
[AKV15].
Cartograms
[CBC+15, NK16].
Cartographic
[CJ90, VW91].
Cartography
[CG02].
Cartoon
[JCJ09, SDC09, WBCG09a].
Cartoons
[SDC09, SSJ+10].
Carving
[WPW+11].
Cascaded
[SPB+17].
Case
[ARLC+13, DCPS08, GBG+14, KASH13, KFA+10, LP95].
Cases
[RPSF15].
Cell
[ABW+15, AASB14, BKNSV01, CMK+99, FKE13, HPU+16, KER+14, NRJSo3a, NRJSo3b, PKE15, PKE17, S88, WH17a, WZL+12, WMRSF15, YBK+12, FR92, HDS03b, HDS03a, LCLJ10, ZSW+10b, LCO99a, MMFE08].
cell-and-portal
[HDS03b, HDS03a].
cell-decomposition
[FR92].
Cell-to-Cell
[NRJSo3a, NRJSo3b].
Cell-Visibility
[NRNSV01].
Cells
[BPWG07, HHA17, S88].
Centered
[BZL+18, CKS+15, ELM+12, Ene98, EMK09, GRC13, HA17, RC18, WTYL12].
Centrality
[VW08].
Centre
[SPT14].
Centred
[LW17].
Centres
[HSK+10].
Centric
[CY14].
Centroidal
[CCW12, LLW12, VC04, WHWB16].
Centroids
[HHA17].
Century
[Rec01].
Cerebral
[GBH+17, MVB+17, NGB+09, NJB+11, NLB+13, vPGL+14].
Certification
[BP82, BP83b, Gna88].
CFD
[SCD05].
CFGExplorer
[Di18].
CG
[ANO07o, HGH+11].
CGForum
[ANO06c, AN005c, AN007b, MTPS08, JS09b].
CGI
[ANO88b, NREM14].
CGM
[DU089, BHM08, CP88, MN87, MUM89].
Chain
[RKN10].
Chains
[EASK18, RL14].
Chairs
[BWS05].
Challenge
[THS90, Gue82].
Challenges
[BR07, BBC+05, Bry96, DAF+18, Ene98, OJMN+19, vLKS+11].
Chamber
[SBG17].
change
[Bak90].
Change
[BCWR08, JW+13, SWG16].
ChangeCatcher
[LTC18].
Changes
[BBL12, GG15, JPK13, OVB+15, PCBS16, WKM15, CS92].
Changing
WWF+18, WLZ13, Ye08, YMJ+17, IMDN14. **Cloth-Fluid** [HEW15].

Clothes [CMT05]. **ClothesPEG** [Cla92]. **Clothing** [DJW+06]. **Clothoid** [BLP10]. **Clothoids** [BD12]. **Cloths** [BD12, LJK+12, MBT+12, WK12a]. **Cloud** [EBV05, HL01, JWB+06, KZ04, KB00, LGW18, MC17, RDK13, SWK07, SY12b, SHS13, YLH+14, YLY+16, ZLY+17, Kur15].

**Clouds** [BTS+17a, BM12, BM16, CCLN10, CACB18, DSY10, GKOM18, KJT14, LSW09, MEMO14, MAM14, MMG06, PCBS16, QCW+18, RL14, ROPG18, SYM10, SSG17, SW14b, SWG08, TOZ+11, WXL+13, WWG07, WPW+11, WXW18, BCF+05, SSK93]. **Cloudscapes** [WCGG18].

**Clouds** [BTS+17a, BM12, BM16, CCLN10, CACB18, DSY10, GKOM18, KJT14, LSW09, MEMO14, MAM14, MMG06, PCBS16, QCW+18, RL14, ROPG18, SYM10, SSG17, SW14b, SWG08, TOZ+11, WXL+13, WWG07, WPW+11, WXW18, BCF+05, SSK93]. **Cloudscapes** [WCGG18].

**Clouds** [BTS+17a, BM12, BM16, CCLN10, CACB18, DSY10, GKOM18, KJT14, LSW09, MEMO14, MAM14, MMG06, PCBS16, QCW+18, RL14, ROPG18, SYM10, SSG17, SW14b, SWG08, TOZ+11, WXL+13, WWG07, WPW+11, WXW18, BCF+05, SSK93]. **Cloudscapes** [WCGG18].

**Cloth** [EBV05, HL01, JWB+06, KZ04, KB00, LGW18, MC17, RDK13, SWK07, SY12b, SHS13, YLH+14, YLY+16, ZLY+17, Kur15]. **Cloths** [BD12, LJK+12, MBT+12, WK12a]. **Cloud** [EBV05, HL01, JWB+06, KZ04, KB00, LGW18, MC17, RDK13, SWK07, SY12b, SHS13, YLH+14, YLY+16, ZLY+17, Kur15]. **Clothoid** [BLP10]. **Clothoids** [BD12]. **Cloths** [BD12, LJK+12, MBT+12, WK12a].

**Cloud** [EBV05, HL01, JWB+06, KZ04, KB00, LGW18, MC17, RDK13, SWK07, SY12b, SHS13, YLH+14, YLY+16, ZLY+17, Kur15]. **Cloths** [BD12, LJK+12, MBT+12, WK12a]. **Cloud** [EBV05, HL01, JWB+06, KZ04, KB00, LGW18, MC17, RDK13, SWK07, SY12b, SHS13, YLH+14, YLY+16, ZLY+17, Kur15]. **Clothoid** [BLP10]. **Clothoids** [BD12]. **Cloths** [BD12, LJK+12, MBT+12, WK12a].
PLT+97, RDK13, SNLW01, TSPP16, Wat96, XBL+18. **Collage** [GTZM10, ZHI12]. **Collection** [CDSS14, SBC14]. **Collections** [AEWQ+15, AKM14, AKM16, CGW11, CRA+17, DMS14, FDH+15, HG13, IF09, KGAC15, KFLCO13, LLC11, LCRU14, LWV+15, NBCW+11, NNRS15, OSR+14, PTT+12, RLGH15, SGB13, XYY+14, ZCOAM14, vdCvW17]. **Collective** [XWY+15]. **College** [Che06]. **Collision** [BT95, BGAM04, CJC+09, DO00, Dur01, FWPS11, GGK06, JKJL18, JFS006, KAAT03a, KAAT03b, KZH+09, KZ04, LMM10, LPH+15, LLC+15, Neb00, NG03a, PKS10, PG95, RKC02, SR19, SOM04, TWT+16, TKH+05, TPBC09, VCC98, VMTS10, VT+94, WTM15, WLT17, WDZ17, WML99, WC14, WP04, YM+17, ZYL02]. **Collision-Aware** [JKJL18]. **Collision-Free** [KAAT03a, KAAT03b]. **Collisions** [BW00, CK10a, PKS10, VMTS10]. **colon** [HGW92]. **Color** [AP10a, AAB+10, Ano02b, AW07, AGJ12, BFH+98, BE95, BMS+10, Cad08, CKL14, CWM09, DDL00, Fis98, FLJ+14, GVWD06, GRC13, HGO18, HHCJ15, HZMH14, IK00, JESG12, hKAC07, KYKL14, KM16, KG18, MO10, MG05, MMTH09, NMP98, NKB14, NPCB17, OYB+15, RMSD+08, RP98, RMZ13, RTN03a, RTN03b, SSK+05, SO12, SSB+14, TBKP12, TDS14, WK12b, WZL+17, WPC08, WVV08, WTLS13, XM09, XTJ+07, XADR13, XYY+14, YLL15, EKB14, HL14, OYS02, RCM+14]. **Color-Coded** [BE95, SSK+05]. **Color-to-Grayscale** [Cad08]. **Colored** [PK10, FLJ+14]. **Colorfields** [SSSG16]. **Colorimeter** [GBS19]. **Coloring** [NPCB17, PP09b, WZL+17, RGW05]. **Colorization** [LT12, JCT14]. **Colormap** [BS98]. **colormaps** [EKB14]. **Colors** [HZMH14, KNL+15, KKM+07, KSG+15, SGSP15, YLL15]. **Colour** [AP10a, Ano96d, Ano98t, Ano00d, AGM+06, DCPS08, Den86, FPC+16, LR88, LM10, LCG10, LKSD17, LS15, MCTT84, Mur85, OW91, WLS, WMY5, WW88, WIL06b, WDK+13, XWL+15, van87]. **Colouration** [Pat95]. **Colourization** [DRA10]. **Colours** [MSHD15, OYH18, Sch94a]. **Combination** [BP17, SKCA01]. **Combinations** [KGMM97, SNJ+14]. **Combinatorial** [PBPP11, SY11]. **Combined** [BT92, SSSK04b, WYKR17]. **Combines** [ARH12]. **Combining** [BTG95, FHL+08, GLCC18, KP18, KKTD17, RSK90, CCFM08]. **Combustion** [GBG+14, JK13, OLF+14, OAM+18]. **CoMediA** [San92]. **Comes** [Pic91a]. **Comfortable** [FFN18]. **Comic** [WB02]. **Comics** [CNK13, McC11]. **Command** [Her82]. **Commands** [KMB94]. **Comments** [SHS+17]. **Commodity** [YWB03]. **Common** [HB00]. **Communication** [HRD+15, SBD+15b]. **Communities** [CDA+14, VBAW15]. **Community** [DWT+11, RTJ+11]. **Commutativity** [NO17]. **Compact** [CC17, CP11, GLLR11, KBK+10, LD08b, NNSK99b, UKCB15, WSC06, XS06, HLJ+13]. **Compaction** [HLJ+13]. **Compactly** [HA17]. **Comparative** [ASB+17, ARH12, BvLBS11, DHS+13, FL19, GT15, KARC15, MVB+17, MWS+10, NMOT01, OSR+14, PPBT12, RLP10, SKR+14, SS15b, vKP06, vPGL+14, EMU17, WGO+14]. **Compare**
Comparing [RL16, SSK16, STD09, WPHC16, vdCvW17].

Comparison [BSBE17, CRW09, DWT+11, HFM16, HV08, HTSFP09, KWS+15, KZZM12, LD08a, MTM12, NNN11, PDW+14, SSW14a, SC84, VCRG14, VHB16, WHS+18, SDD+92]. Comparisons [SLB+18].

Compatibility [ZCOM13]. Compensating [MSK14]. Compensation [ENSD12, LMG+18b, MK15, SYC10]. Competing [SLS+06]. Competition [Ano95f, Ano95g, Ano95h, Ano96e, Ano96f, Ano97c, Ano97t, Ano97-41, Ano97a, Ano97b]. Competitive [KMJE12]. Compiler [CTHAM10].

Complete [AH11]. Completion [GS14, GLK18, HTG14, IS15, LZL+15, LYP+08, MSAP15, SDK09].

Complex [ASB+17, BWH+11, BG08, BHMT13, CDP95, CATM09, CG16c, CLF+03a, CLF+03b, DVPSH14, DG95, FML06, GKS12, GSA3a, GSA3b, HPH10, KKSS15, Klop06, KHM09, LD04, LDY10, MMG18, McD10, MB99, MPBM+17, NSRS13, OPC96, ORDP96, PGM90a, PMLD12, Ric87a, Ric87b, Ros97, RKN10, Sad09, SSS02, SCCN11, Szy91a, Szy91c, TL01, WSO2, WBCG09a, WBCGH11, AVF04, BSV92, DGR+14, GH96, GSC18, LN17].

Complexes [AASB14, SN12, DFIM15, LCLJ10, WIFD13]. Complexity [FdABS99, FBW01, FPB08, JS10, LFS+15, SVW13, TWD+13, Tim12, PG93].


Components [AM00, SBL12]. Composed [PC92, SSB08].

Composite [LWL+16b]. Composite [BPV18, CKS+16, CG07b, GSDC17, POT010, SHF13]. Compositing [BCS96, DZC11, EKFM12, FW99, GWO+10, GTZM10, GVWD06, GCL+06, LW95, LCWC010, RLH+17b, RWG13, SS08, Wil06b].

Composition [CN05, EKM01, GLGW12, LCWO10, LMLF15, SML15, Sch00, WTI13, dBD+92]. Composition-Aware [LMLF15]. Compound [BD08, GBD09, RMF12].

Compoundingly [CD10]. Comprehensible [KGAC15]. Comprehensive [FHWA+11, PRS15, VB99, YZL17]. Compressed [And10, Cot85, GMC+06, NVT+14, RGG+14, SBE16b, XSE14].

Compressing [VMHB14]. Compression [AMAM13, And12, BJCO03a, CC06, CH09, CH11, DKB+16, DPPL00, DDY+02, DGGP05, DSW09, GMC+06, GPD09, GMSK99, HB96, HSS+09, HFM10, HKMS08, ILRS03a, IP99, Ice01, IK00, JBG17, JKJL18, KCL06, KGR+16, LS09, LGK17, LPG10, MGS07, MMP08, MP12a, MMG06, MCHAM08, NS01, OS08, PD04, RK90a, SBE16a, TRS03a, TRS03b, TWC+09, VCP09, VS09, VSO1, WD09, WSO9a, WDR11, YNO0, CVDL16, DCV14, GGM12, ILRS03b, LCL+06, PHM+14, VB14a, VD18].

compression-domain [GGM12]. Compressive [JCK16, LA15, MKU15, SD09, SD10b]. Computation [BPZ96, BS98, CLM09, Elh95, FQK08, Fan96, Hol15, KS11, KGM97, LCCW07, MNR94, NH97, OLG+07, Pat17, PK08, SKZ13, SLSC07, SN12, SOM04, SSS04b, TW97b, TPBC09, Ure00, YLL+09, CD94, MVPG11, Sbe93, TW97a].

Computational [AAB09, BS12a, BRWM18, Bur95, DBS+18, DRF12,
DMHS08, EMP+12, EWK+13, FO12, FHL+08, GTM+12, HKW12, Jac17, Kol08, LA08, LLW12, MCM+12, MP12b, NSGP06, RE12, SLE17, SD09, SSCO09, She12, STBG12, Vel99, WW16, WILH11, YZC18, de 97, GY93, Vel93, Ano08e, Ano08f, ID10, IC11, NSGP06, computations [PM93].

**Computed** [FBW01, FAVM09, LWLD11].

**Computer** [AHKS94, AR06, Ano82, Ano84a, Ano84b, Ano88b, Ano92, Ano93, Ano95a, Ano96l, Ano96s, Ano97o, Ano98f, Ano98f, Ano93c, ALCS18, BD884, Bar06, BET14, BMO+14, BCS96, BF84, BB88, Bou90, BPB+04, Bro90, CB09, CON08, Chr86, CTHAM10, DCGG11, Dav07, Den86, Dia84, DJ88, Duc91, Duf88, Dun91, Dut04, Edm83, FS85, Fra83, FR00, GS06, GHM10, Gal84, GC09, GMD10, GP16, Gos86, GSN94, HLS01, Han05, HHS89, Her89, Hew89, Hew90, KH19, KH95, Kel86, KWC+12, Kil85, KHIK01, Kje89, Kje90, Kje91b, Kje91c, Kje91d, KBKL10, Kol08, KW05, LF11, LL05, Lei94, LF10, Mac94, MWN+17, MGJ06, MR82, MB99, MB99, MSS+10, Mik82, NYTN87, NMM+06, NMP98, OIST91, OP10, Owe86, Owe87, Owe88, Owe89b, Owe90b, Owe92a, Owe93, Owe94].

**Computer** [Owe95, Pat95, PTO10, Pic86a, PNR89, PCR11, PH96, PT88, RMA88, Req86, RP98, SCA04, Sal96, SDA+18, Sär07, SRH+11, Sch84, Sei94, Sn95, SB99b, Sta06, SHPS08, SM84, Suz89, Szy91b, TMT86, TvdP98, Tru84, Tur84, VBB+06, Zar06, tH83b, tHS90, vD98, van82, AS92, BJ94, CRW83, Jack94, KB92, LG92, MMAG93, Sch94a, TC93, Ano93b, Bon85, BH96, DP93, DS04b, TT95b].

**computers** [Owe95, Pat95, PTO10, Pic86a, PNR89, PCR11, PH96, PT88, RMA88, Req86, RP98, SCA04, Sal96, SDA+18, Sär07, SRH+11, Sch84, Sei94, Sn95, SB99b, Sta06, SHPS08, SM84, Suz89, Szy91b, TMT86, TvdP98, Tru84, Tur84, VBB+06, Zar06, tH83b, tHS90, vD98, van82, AS92, BJ94, CRW83, Jack94, KB92, LG92, MMAG93, Sch94a, TC93, Ano93b, Bon85, BH96, DP93, DS04b, TT95b].

**computer-** [Sch94a]. **Computer-Aided** [Owe88, Owe89b, Owe94, Owe92a, Owe93, Owe94].

**Computer-** [Owe88, Owe89b, Owe94, Owe92a, Owe93, Owe95].

**Computer-Generated** [Chr86, SB99b]. **Computer-Suggested** [SRH+11].

**Computerized** [DF90]. **Computers** [Smi85]. **Computing** [SOG09]. **ConcaveCubes** [LCB+18]. **Concentric** [XLH+13]. **Concepts** [VG00].

**Conceptual** [Mac85]. **Conceptualizing** [DCK12]. **Concerning** [Duc85].

**Concise** [SOG09]. **Concurrent** [KBLE19, Mi87, SJH08, YHG10, ZFE16]. **Concurrently** [FCP+90]. **Condensation** [BNC96]. **Condenser** [LDW+10]. **Condenser-Based** [LDW+10]. **Condition** [KS14, OHG11]. **Conditional** [CLGS18]. **Conditions** [AMS09, PCDS12, RGSK10, TDNL18, SZ18]. **Cone** [CN+14, KB12, SAE93]. **Cones** [Ano04c, WLT+17]. **Conference** [Ano92, Ano93, Ano94, Ano96l, Ano96j, Ano96s, Ano97o, Ano97r, Ano97-28, Arn89, Aus91, Bar06, Cre88, DJ88, Duc89, HHS89, HP84, Kid84, Mum90, Pin85, Req86, Sei88, Suz89, TB84, Van85, Wat88, ACM80, Enc81, Van80, WG82, tH83a, van99b, Ano85, Ano86, Ano87a, Ano88a, Ano89, Ano91a, Ano96k, Ano96p, Dun91, Mac90, Mat86, Neu06].

**Configurable** [AHR84, SSSG16, WGP88]. **Configuration** [LT17]. **Configurations** [BS90].

**Confinement** [HL13]. **Conflict** [JD00, JD01]. **Confocal** [FHL+08, SPB+17]. **Conformal** [BCB08, CG17, MTAD08, SBC16, WLZT18, YMYK14].

**Conformal** [BCB08, CG17, MTAD08, SBC16, WLZT18, YMYK14].
Conformance [Ano88b]. Congestion [BJB+18]. congressi [ACM80].
Congruences [WJB+13]. conic [GS85]. Conical [BJCW09]. Conics
[Her89, QSW92]. Conjoined [CLJ+15]. Connected
[BCN03b, BCN03a, CPZ+15, RR94, SS91]. ConnectedCharts [VM12].
Connecting [OM13, OW19]. Connection [NB15, YXX14]. Connections
[CDS10, PRDD15, ZLZ+18]. Connectivity
[AD01, Got03, KLS+17, KB800, MGS07, PW13, SSE+14, SMB+17, VR12].
Connolly [MJK17]. Conoid [KTN10]. consecutive
[DMS14]. Consensus
[MW18b, RBC14, YWB03, ZST+10]. Consensus-Based [YWB03].
Conservative [BNRSV01, COFHZ98, JEO00]. Conserving
[MW06, dFH+11]. Considerations
[KK17, KSS+15, DDR93]. Considered
[WGS04]. Considering
[GLGW12, IIS09, MTKO02]. Consistency
[WGS04]. Consistent
[AW00, BIZ18, BTS+17, BSL18, CRA+17, DMKP07, FACO17, FNN+17, Ger92, GG15, HG13, PSDB+10, SJP+13, Sug94, SCF10, WKBB18, DF93]. Consolidation
[RÖPG18, WX+13]. Constant
[CRGZ10, GUS12, Got94, Szy11, SBL12, WDZ17]. Constant-Time
[Got94]. Constellations [XBL+18]. Constraining
[JCK+13]. Constrained
[AMR+17, ATK17, ATF12, BHMT13, BAU05, CCW12, CG12, DBD+13, Dwy09, GBKS18, LD08c, LBH+01, LHNS18, MHA17, PB96, RKSA17, SCI10, YLG+18, YYPZ07, ZFA+16, ZXZ+17]. Constraint
[EP09, HHS01, LM96b, LWP+04, MCH94, FFD93]. Constraint-Based
[EP09, MCH94, FFD93]. Constraints
[ESG01, HK12, HBH18, IIS09, JL98, LVTO8, Mii90, RLGH15, SJ13b, Lam09a, TSK14]. Constructing
[BW13, CFFP84, IEK+14, KK17, KLC+15, LM07, SDB99, TIS+95, TLG99, Wal87, WXW18, CTW92, PCBL16, Rap92]. Construction
[AYLM13, AW07, BLD14a, BV96, CDP95, Du88, FBL16, Gro16, HMB17, HB94, HHH12, JC94, KWS16, KS18, LA13, LGS+09, LCY+11, MN08, QYZ17, SSK07, SG08, Str84, SJWS13, TGS96, TG98, VKJ+17, WTH04, YHTG10, ZCOM13, BM93, DGR+14, GD16, Vol93]. Constructive
[ARRO+17, CT00, HL03c, VPP+04]. Consumer
[LK17, XXY+18]. Consumer-level
[XXY+18]. Contact
[Fau96, G0T+07, HENISYS16, HS04, HEW15, KLS+14, KGL+98, OTSG09, ST08, TWT+16, ZLM+15, dSNV+17, TAAP+16]. Contact-Aware
[TW+16]. contacts [TSK14]. containing [BP93]. Content
[ARM+15, BDA+09, CCP09, DER+10, FW17, KLW12, LMLG15, LSWW11, MBRHD18, PSP+14, SGMG17, WDK13, ZHM08]. Content-Aware
[KLW12, ZHM08, PSP+14]. Content-Based
[WDK+13]. Content-Independent
[LMLG15]. Context
[BJCO03a, BJCO03b, BPBD08, CLME09, DCOM00, DKB94b, FBT99, GRE11, Her84, KDCM14, KGRG17, LCSCO10, MBMYR15, MDWK08, MKO+08, OJS+11, SSA+08, SEI10, WSLG07, WVKR08, WKM+09, XXM+13, YCLE09, ZCL18, ZLDM16, ZK08, vTKP11, BCN11b]. Context-Aware
[GRE11, WSLG07, KDCM14, YCLE09]. Context-Based
POB+07, SBC14, Spe91, ZT10, TT94]. Cross-Boundary [ZT10].
Cross-Channel [MZW09]. Cross-Collection [SBC14]. Cross-Indexed
[Spe91]. Cross-Modal [HHD+12]. Cross-Sections
[BV09, KBT+12, MB08, DMNV12, HHCJ18]. Crossing [SAAB11]. Crowd
[AVF04, BSK16, BPA16, CKGC14, CCC14, JVS+12, JPC14, KWD14, LD04,
LCSCO10, LLD10, LCM+18, PPD07, SHW+18, SGC04, UT02, XWY+15,
ZCT18, DMCN+17, LJK+12, WGO+14]. Crowd-sourced [KWD14].
CrowdBrush [Ano05c]. Crowd Multiplying [GS14, GTK+12].
Crowds [BD12, LJK+12, LCL07, MBT+12, NAS07, OCV+02, PPD07, RD05,
TLC02, WK12a]. Crowdsourcing [BMB+18, OJ15]. Cryptography
[CJFH14, LMHH14, SY14, ZC95]. Crystal [RHLH18].
Csaba [Ano04c]. CSG [BR96, Ger92, JA95, Pat89, Wie96, WXW18, WGG99, ZC95].
CT [DHS+13, SSM12]. Cube [BW13, NRP11]. Cubes
[BDA+17, DZTS08, MJC01, PWH11, RW08, RHv95, SW05, The02b].
Cubic [AASB14, EMK09, HA17, ND06, RC18, Guo93, KP11, KP15].
Cubical [BRS01, HWC+05]. CUDA [Ros13, STK08, SS09].
Cue [KLK17, RHL12].
Cues [FMB+00, PD16]. Culling
[AMTM12, AVSN99, BKS09, BWPP04, CATM09, GL10a, GPP+10,
GRDE10, KBK+10, MBW08, MBJ+15, SBW06, TH17, WLT+17]. Cultural
[Arn08, AJL+11, CL99, DCPS08, HBRW+12, PYY+16, PSK09, SCP17,
VPP+04, Zot08]. Cumulus [ZYLY17, YLLH+14]. Curl [RLH+17b].
Curl-free [RLH+17b]. Current [PF90]. Curse [Pas02]. Curvature
[AD09, BCGB98, CCGS09, CK11b, DGEG09, ESOP97, EP09, HTH96,
KSBG12, SYT+13, SZ18, TAO12, VVP+16, WB01, ZWC+10, MM18].
Curvature-Domain [ESP08]. Curve
[BYP95, BV96, BF84, CK84, Elb95, GLK16, GLK18, GBKS18, GA98,
HHCJ18, JW95, LH11, LZW+13, LW17, LW18, LBD+08, OMW16, PM16,
RK04, SV14, SB99a, SLSK07, SL89, TB012, ZGC98]. Curve-skeleton
[SLSK07]. Curved [RvW040, BP93, SAE93]. Curves
[AIA11, AJC11, BLW11, BVTH16, BNR09, CGS16, DCOM00, DLS15,
EBV01, Fiu95, FB94, GLK16, GKKT13, HM83, Haw85, Hew90, Jes16, KM83,
KSD14b, Kurr15, LTKD15, LKF12, MS13, Nas03, ND06, Pia91a, PJS15,
VS16, VW95, WHT12, YR91, dFSV03, AP92, BS92, KFK94, MNR94,
MS93, SW92b, Vel92]. Curvicircular [MMV+13]. Curvilinear
[AO13, YM09, ZLL13]. Curving [KPD10]. CustomCut [GLX+16].
Customising [PCS94]. Customizable [BP13, TC05]. Customized
[GSE+14a, GLX+16]. Cut [FP94, LAM09b, WMRSF15]. Cut-Cell
[WMRSF15]. Cutaway [DWE03a, DWE03b, LMS+16]. Cutout
[HZZ11, TZD11]. Cuts [BMG99, GCMS00, LDdLRB16, LVJ10, WWD15].
Cutting
[DLC05, FLL11, HL14, JLCW06, JZYP18, RCM+14, RLY14, ZWC+10].
Cylindrical [Gam16, RSVP02]. Cyprus [Ano07j]. Cytopslore [HPvU+16].
Czech [Gob96].
Decimation [SLA15]. Decision
Decomposing [IRW17, KG18, SN86]. Decomposition [AGCO13, BÖK11, BMB15b, DSH+17, DJM12, EL01, ERHH+11, Got94, GFW+06, HWAG09, HYZ+14, JTRS12, KE97, LJKL17, LVV18, MP12a, NKL+N10, RK09a, SSW14a, STK02, SJF11, TLRB18, WLZH17, YL11, ZT10, ZRJ+15, FR92].
Decompositions [BKP17, Szy11].
Decoding [DSW09].
Decolorization [YLL15].
Decomposing [IRW17, KG18, SN86]. Decomposition [AGCO13, BÖK11, BMB15b, DSH+17, DJM12, EL01, ERHH+11, Got94, GFW+06, HWAG09, HYZ+14, JTRS12, KE97, LJKL17, LVV18, MP12a, NKL+N10, RK09a, SSW14a, STK02, SJF11, TLRB18, WLZH17, YL11, ZT10, ZRJ+15, FR92].
Decompositions [BKP17, Szy11].
Decompression [CC06, GMC+06, JBG17, KCL06, MKSS12, OBGB11, ILRS03a, ILRS03b].
Decoded [SCM+19].
Decorative [STG16].
Decoupled [AW00, GTG17, WWT+16, ZM16].
Deep [APH+12, BM16, EIKM16, ESKBC17, Fre18, HGO18, HMP+12, hKTL+17, KKK18, KSP+18, KKR18, LVV18, LPSB18, MBRHD18, NAM+17, VAN+19, XHW+18, YK08, ZLZ+18, HKM15, NW17].
Defined [PA06, RH95, dD85, BR96]. Defining [BP82, RSS96]. Definite [KASH13].
Definition [DitR94, Ste85, WM85, WW87b]. Deflection [MG95].
Defocus [BD07, JKL13, KSP+18, MPCG12, MTAM12, MVH+14, WWT+16].
Deformable [AWO+10, BCH+95, BvTH16, BNC96, CZ09, CKHL11, GVV05, GGK06, GW05, HK16, HE01, JZYP18, KKBJ16, KZ05, LPH+15, MMO16, NKM+06, OTSG09, PKS10, FB11, RBC14, SP97, SKR+14, SE04, STK08, SSB13, SCF10, TKH+05, TG98, Vas97, WC14, WDGT01, WWD15, YYG18, BMM+15].
Deformation [AB97, BD12, BPWG07, BBP09, CRY11, CLME09, CWK07, CGS16, EP09, GOT+07, GSZ11, GSDC17, HK16, xHMC09, HYZ+14, ITYI09, ISYM15, JJS12, JWZ14, KKB16, KS14, KFG09, KSO10, KWW+14, LJJ+12, LLC10b, LC09, MS11b, MBT+12, MWW16, ON05, PWS12, PGM09b, PZB+09, RLN06, RKSA17, SHB07, SKNS15, SK17, SBCBG11b, SVWG12, UBH14, VRBC17, WK12a, WSLG07, WBCG09a, WB07, WDAH10, WWH+14, YLHQ14, YBS07, ZRKS05, ZSCO+08, ZXTD10, hZCK98, RRS12, TAAP+16].
Deformation-Driven [ZSCO+08].
Deformations [BiA06, BPWG07, EP09, FSTR13, FB11, HCW17, HAWG08, KB500, Lov06, Mai00, NVH+13, OHHK09, OTSG09, PBP96, SBO18, SHF13, SKPSH13, TPS09, WSZ10, YDK06, YBS07, KMTT92].
Deformed [PTW13, SLHC12].
Deforming [AKP+05, ATBG08, AW13, CZ08, CCI+07, GB10, HAWG08, LLG97, LSP08, SG08, SWG08, ZSCO+08, CH12].
Degenerate [CFS14].
Deghosting [TAAE15, TAAE16].
Degradation [DO00, HM15].
Degree [GM06, SS15a, QSW92, SJD16].
Delaunay [BYB09, CCW12, CMPS93, DLS10, DS11b, GKS00, NMOT01, SE+14, ZSW+10b, dCTA09].
Delay [WBFvL17].
Delta [DM92].
Demand [SG96a, GLX+16].
Demand-Driven
Demographic [vvT84]. Demonstration [Duc89]. Demosaicing [HGO18]. Dendritic [JNX+08, RHLH18]. Denmark [TB84]. Denoising [BRM+16b, BB17, EBC17, HDL11, KS13a, LZFHI18, MC17, MJL+13, MVH+14, RDK13, RMZ13, VAN+19, WZCF15, ZWY+13]. Dense [DCPS08, DR15, LHD+04, MMG06, RR00, SY11, ZLZ+18, CSFP12, WHD17].

DenseCut [CPZ+15]. Densely [CPZ+15, COFHZ98]. Dendritic [JNX+08, RHLH18]. Demonstration [Duc89]. Demosaicing [HGO18]. Dense [DCPS08, DR15, LHD+04, MMG06, RR00, SY11, ZLZ+18, CSFP12, WHD17].

DenseCut [CPZ+15]. Densely [CPZ+15, COFHZ98]. Dendritic [JNX+08, RHLH18]. Demonstration [Duc89]. Demosaicing [HGO18]. Dense [DCPS08, DR15, LHD+04, MMG06, RR00, SY11, ZLZ+18, CSFP12, WHD17].

DenseCut [CPZ+15]. Densely [CPZ+15, COFHZ98]. Dendritic [JNX+08, RHLH18]. Demonstration [Duc89]. Demosaicing [HGO18]. Dense [DCPS08, DR15, LHD+04, MMG06, RR00, SY11, ZLZ+18, CSFP12, WHD17].

DenseCut [CPZ+15]. Densely [CPZ+15, COFHZ98]. Dendritic [JNX+08, RHLH18]. Demonstration [Duc89]. Demosaicing [HGO18]. Dense [DCPS08, DR15, LHD+04, MMG06, RR00, SY11, ZLZ+18, CSFP12, WHD17].
IOI06, JKL13, KDCM14, KBK13, LPD14, MB97, OCV+02, OJS+11, PJR+14, SW08a, SBD15a, SRK13, SG03, WT11, WYY13, YSL08, ZCH+17, ZBM+17, BS02, SLKL14). Detail-In-Context [BPBD08].

Detail-Preserving [DGP17]. Detailed [DCPS08, NJGW15]. Details [ARRO+17, ABW+15, BMH+12, BT95, BPW14, BB00b, BFG+17, BBW+09, BGAM04, BCWR08, CJC+09, FWPS11, GL12, GGK06, HBK02, JL17, JBT08, JFS06, KZB19, KZ05, KBWS13, KHH+09, KSP+18, KZ04, KLAB15, LPH+15, LRC16, PKS10, PCBS16, PG95, RKC02, RBC14, SCN+16, SVG+08, SWK07, SR19, SAD+16, SLD+17, SGS14, SMB+14, SOM04, SJWS13, TKH+05, TPBC09, VCC98, VBP+09, VMTS10, VTH4, WTMT15, WTMT18, WB01, WDZ17, WLML09, WC14, WP04, YMJ+17, YM09, ZY02, ZDM+14, ZVE+14, MPM+14]. Detector [CWL+15].

Determination [JD98, KGL+98, SZG93]. Determining [BBMR88, OM13, SN84]. Deterministic [AGR19, SKS09, BPZ96]. Develop [SJL15]. Developable [BW07, JKS05, SVWG12, TPBC09]. Developing [BB07, KJC+09, PCR89, WT93]. Development [KM83, LTC18, NM91, OIST91, Sab82, VPLL08, BFTL82, CTW92, EFGS96]. Developments [Bou88, Bro90, LD03, de 97, CRW83]. Device [AD+01, BP02, HR85, van90]. Devices [BCF94, Dvt90, FR00, KKTD17, LD03, RKR+16, UMM+10, vt87].

dexterous [BYL16]. Diagnosis [ZVE+14]. Diagnoses [PSK09].

Diagram [EDPB15, Man16, OPC96, QYZ17, QCW+18, YLL+09, DZM08]. Diagrams [BPY16, DvKSW12, GEY12, HHA17, HET12, LBK14, NL13, NB12, RL09, VO04, WKM+09, XLS+14, SNA17, SBD+15b]. Dialogue [Gre84, MSWK02, St88]. Diamond [WD09, WD11]. Dichromats [MO10].


diego [SCA04]. Dietrich [Ano07b]. Difference [BG09, GG15, GMSK09, HCO18, NMP98]. Differences [PSCC18, ZK09, Rap92]. Different [AMYB17, ARM+15, BMWM01, CCH+14, HV10, MBDC15, OZS08, SC84, SSM12, PCBL16]. Differential [BM16, BHU10b, CDS10, Des04, FSES14, JTX10, MS0a, Rus10, Sor06, VVP+16, Y11, Gu92].

Differentials [CSSL09, CLF+03a, CLF+03b, CLB+09, EBR+14, LSW09]. Difficulty [ZD16]. Diffraction [DTS+14, SLE18]. Diffuse [GSA03a, GSA03b, Hei01, KJ92, SK99]. Diffusion [BS12b, BMR+16, BLW11, CZCE08, GBAL09, HCJ13, HHA17, Jex16, KSW+12, KPS+14, KT97, LDR09, LSW09, PSJ15, SSO08, SOG09, SKS09, ZCH+17, vFG11, HGA+10]. Diffusion-Based [vFG11]. Diffusive

[HK15, KI18]. DiFi [SOM04]. DIGIS [dBv93, vL90]. DIGIS-a [dBv93].

Digital [BDGF07, BJ88, CG16b, COS95, DCEG09, DKW94b, DJM12, GB0819, JFCS17, JSH+13, KT09, LSJK09, NT95, SCP+17, VGB14a, XTJ+07, XYL09, YGL+09, ZH2, BM93, CFG16, CS93, Lev99]. Digitised [AO89].
digitising [VW91]. Digraphs [BD08, GBD09]. Dihedral [VR92].

Dimension [ATW15, FR11, LF10, MDI+18, Pas02, Pic86b, RGW05, WD09].
Dimension-reduced [ATW15]. Dimensional [ABD10, BMG99, BTB13, FR11, FDL14, GKS00, GHGW14, KKS+12, KySK08, KZZM12, LD06, LZQ13, LWBP14, LB1+16, LHS18, MC14, MAA+09, PSM12, PHL+16, SS96a, STMT12, SGG16, TMT86, TLRB18, WLN+17, ZR96a, vdCvW16, AHKS94, BDS+03, Day92, EHH+13, ILRS03a, ILRS03b, JPN15, KARC15, Kur15, LKZ+15, LWBP14, LKG+16, OT11, OLF+14, SGS05, SPH+09, ZR96b]. Dimensionality [PSPM12, Pas02, RL15]. Dimensioning [KWM15]. Dimensions [EMP+12, HS94, KZZM12, LK13, Nic85, TWMSK18]. DimSUM [MDI+18].

Diorama [AW07]. Dipoles [BSW+12]. Dirac [LJC17, YDT+18]. Direct [AGG+08, AFG+14, BPE08, BBP09, CAM08a, CAM08b, DKWB18, DQ00, ER18, FFD93, JK+18, KPD10, KVS+14, KGG+12, KWN+14, LWBP14, LKG+16, OT11, OL+14, RSK06, RGG+14, SGS05, SPH+09, SGM+11, SSFS06, Smi95, SPBV10, SSSK04b, VCRG14, WA09, WK12b, XE14, ZCG98, ZKWG16, van90, vL90, BT92, SN+14, WZC+11]. Direct-Touch [KGG+12]. Directable [MSGT18, MAA+09]. Directed [Bov90, HV09, RSC01, SAAB11, ZWHK16]. Directing [GLCC18]. Direction [WZK16]. Directional [BKES00, CIE+16, GKB09, Hua17, LFA+15, SPH+09, VCD+16, ABB+07, MFW18]. Directions [LF97, FLBS07]. Director [AWCO10, MCB16]. Dirichlet [KGP+12].

Disambiguation [FM+00]. Disassembling [Att15]. Disassembly [KKSS15]. Disc [RNTH03]. Discontinuities [Thi01, TC05]. discontinuous [STM93].

Discovering [Ano98w, BLY+11, CDM+17]. Discovery [PZD19, SBCBG11a]. Discrepancy [PCX+18]. Discrete [AGD10, AM02b, BCBSG10, BDS+12, BB08, CLM09, CDS10, Des04, EBV05, FB11, GW07, HSS+05, HRWW12, HZRS18, LGH13, MSS11, MDP08, PPH+13, RL09, SWPL08, SW08a, SC95, TIS+95, TW97b, Thi01, VPL08, VMH+13, WL12, WLB+13, WWH18, YGL+09, YM+17, dGLB+14, BLS93, DFM15, FT93, GGRZ06, TW97a, WIFD13, YDT+18]. Discretization [BT08, LBT92]. Discretizations [SJP+13]. Discretized [BKES00, VD94].

Discrimination [NWHWfD16]. Discriminative [SXY+11, WLN+17].

Discussed [PNR89]. Diseases [ZVE+14]. Disk [EMP+12, ERA+16, Gam16, LD08a, Yuk15]. Disks [EMA+13]. Disorders [BW17]. Disparity [KRMS13, RHL12, SBE19, DKR+14]. Dispersion [HHJ15, VD94]. Dispersion-based [HHJ15]. Displacement [AM02b, BK03c, BK03d, CC08, DKS01, JH12, LYP+08, LP05, PHL91, SKU08, vGPNB17]. Displacements [PBP96]. Display [AGG+08, AG06, AMS09, BG01, CLGS18, Hea90, Hei01, HLR+11, KKTD17, LMLG15, LM+18b, PH87, Pat89, Pil85, SD94a, SL89, SF83, TTTW90, JAc85]. Displaying [Coq85, DMAC03a, DMAC03b, Hei95, NN94, PMW86, SK86]. Displays [CZGF05, Den86, DMHS08, DER+10, ESKD14, GRPF16, HKD+08, HF16, MG05, MMYR15, MS96b, NGB+09, Pic86a, RHH+12, RvBWR04, SM10, WRK+16, WHL10, WO94, YMM06, CHA+14, MS96a].
Disruption [RPMO13], Dissection [SSA+08], Dissimilarity [KMAB15], Dissipation [GBG+14, SBO18], Dissolve [GVWD06], Distance [AMAM13, BDF+14, BF15, BFG+17, CG16a, CT11, CC108, CS18, KZ04, LMM10, LPK13, LDR09, MGS07, MRL10, MRS08, OZ09, PPL13, PGK10, RL09, SFFP15, SOM04, SKALP05, TPBC09, WCX+13, WP04].

Distance-Based [BFG+17], Distance-Ranked [MGS07], Distances [CK11a, Pat16, Pat17], Distilled [AEWQ+15], Distinctive [JBTS08, SDA+18], Distortion [CHM+13, KLD+09], Distributed [AKB+95, Ano91b, BAA+16, BDG+04, DGC+09, GG14, LS16, LGK97, Mil88b, MO08, MHHH15, MKRE16, NN97, SG96a, TIK17, HK94, Kin92].

Distributing [HHD03a, HHD03b, SHQL18], Distribution [CLF+03a, CLF+03b, FK09, HD14b, IK00, KH18, KSS97, RBMS17, WYKR17, BSH12], Distributions [ACKM16, LD08a, PSP10, SDS+16].

Dither [VB00], Dithered [BFH98], dithering [CFM93], Divergence [KS14], Divergence-Free [KS14], Diverse [ESKD14], Diversity [PZY08], Diving [WH96], division [FND92], DMAT [YYG18], DNA [MID+18], do [VR95], Doctoral [Kje89, Kje90, Kje91b, Kje91c, Kje91d, Kje95], DocuBurst [CCP09], Document [CY11, CCP09, CWG11, EAGA+16, HC14, IF09, KvLB14, LKC+12, OSR+14, PTT+12, SSDK12, SSSG16, WP+11, ZAM+16], Documented [KCB97].

Documents [LKC+12, PTW13, PTT+12, SSDK12, SSS+12, PSP+14], DOF [SK5K07], Domain [BYM18, BCCS12, ESP08, GP09, HGNH17, JA95, LL18, LGK97, MVZ16, OMT02, PP09b, RLH+17b, GGM12], Domains [BV09, DSC09b, SBC16, SCM+19, FS08], Domes [SM11], Dominant [GSW12, LDR09, MK06, PP11, PW13, ZSW10a], Donut [SK16b], Doo [SMAB02], Doodle [BI06], doTS [GBK04], Doughnut [CEX+18], Douglas [WW90], Down [Sla88], Downsampling [TMH11, LN18], dPSO [VMH+13], dPSO-Vis [VMH+13], Draping [WOB09], Draw [SS91], Drawing [BZBM+16, Ben94, BCD01, Bur95, CLJ+15, CLLC15, FWX+13, FCS+16, JCJ09, KHS+12, KWO+18, Kuz90, LTKD15, Liu94, LFA+15, PFC15, Sla88, SP03a, SFWS03a, SP03b, SFWS03b, SDC09, WLL+17, WBCG09a, YKM12, ZLD+16, FND92].

Drawing-Style [WLL+17], Drawings [BI07, Bur95, CBC+15, DHvOS00, DKMT18, KOS+15, LFGG08, PKL8, SC08b, WK17, XSQ13, WG93], drawn [SDF09], Dressed [CMT02, STC+16, ZY02], Dressed-Human [STC+16], Driven [AD01, BS19, CKGC14, CC14, CMT05, ECN14, FB11, GLHH13, GCLX17, GH97, GCG+12, HSMCY13, IS15, JKK+18, KFA+14, LWPB14, LRB+15, MBGS01, MBB+12, MF00, NGDA16, PZB+09, Red96, RX+17, RBY+19, RSK12, SML15, SG96a, SHW+18, SWB98, SBW06, SB98, TCGK15, VIS0, WK12b, WLL+17, XKHK17, ZSCO+08, ZIW+16, ZZ17, ZV09, AECOK16, BGB08b, CLJ+15, CAE08, EIKM16, HPH10, LOM+18, LCL+06, LMP16,
MHS$^{+14}$, MRM$^{+18}$, MFNP$^{+13}$, MBM$^{+13}$, MAA$^{+09}$, MMHL$^{08}$, MSK$^{06}$, RGG$^{15}$, RNV$^{07}$, SA$^{15}$, SKC$^{01}$, TMO$^{04}$, WSR$^{+17}$, ZR$^{13}$. **Driver** [HR$^{85}$].

**Droplet** [YLHQ$^{14}$, MMS$^{09}$]. **Droplet/Spray** [YLHQ$^{14}$]. **Drosophila** [SMB$^{+17}$]. **Drying** [JPK$^{13}$]. **Drypoint** [TMO$^{04}$]. **DSV** [Ano$^{98d}$, Ano$^{97e}$]. **DSV-IS** [Ano$^{98d}$, Ano$^{97e}$]. **DTI** [SEI$^{10}$]. **Dual** [DWL$^{+09}$, DRW$^{15}$, IEGT$^{17}$, PA$^{06}$, RCM$^{+14}$, SW$^{05}$, SD$^{09}$, SDKG$^{18}$, ZQQS$^{08}$, WIFD$^{13}$]. **Dual-color** [RCM$^{+14}$]. **Dual-microfacet** [DWL$^{+09}$]. **Duality** [BV$^{96}$]. **Duals** [LMP$^{+10}$]. **Dumbed** [GVS$^{+15}$]. **Dublin** [Che$^{06}$, HP$^{95}$]. **DuctTake** [RWSG$^{13}$]. **Due** [IDN$^{03a}$, IDN$^{03b}$].

**Dunhuang** [LLP$^{00}$, LW$^{99}$]. **Dupin** [FG$^{04}$]. **Durer** [Jon$^{90}$]. **During** [GLGW$^{12}$]. **DVR** [LLHY$^{09}$].

**Dwivedi** [MHD$^{16}$]. **Dyadic** [VGSS$^{04}$]. **Dye** [LTH$^{08}$, Wei$^{04}$]. **Dynamic** [AES$^{94}$, ACS$^{+17}$, BHRD$^{+15}$, BW$^{00}$, BDA$^{+09}$, BSC$^{16}$, BBDW$^{17}$, BR$^{01}$, BBB$^{+18}$, BLV$^{+10}$, BDO$^{8}$, BKW$^{13}$, BLP$^{10}$, CKL$^{14}$, CNI$^{13}$, CGG$^{+03a}$, CGG$^{+03b}$, CYJ$^{02}$, CCL$^{13}$, CG$^{07b}$, DPF$^{16}$, Fis$^{98}$, FK$^{09}$, Gar$^{09}$, GRE$^{11}$, ISYM$^{15}$, IFDN$^{12}$, JVL$^{17}$, JvdGMR$^{19}$, KK$^{08}$, KKK$^{18}$, KBS$^{00}$, LBPH$^{10}$, LWT$^{+15}$, MAB$^{+18}$, MKV$^{09}$, MC$^{10b}$, NPW$^{10}$, NS$^{09}$, ORDP$^{96}$, OM$^{01}$, PLPB$^{07}$, PB$^{07}$, RTJ$^{+11}$, RIF$^{+09}$, REH$^{+11}$, RMSD$^{+08}$, SAMS$^{+17}$, SS$^{00}$, SY$^{14b}$, SHG$^{+16}$, Sha$^{97}$, SC$^{08b}$, SKG$^{07}$, SN$^{08}$, SW$^{16}$, SG$^{96b}$, VPL$^{08}$, VS$^{10}$, VP$^{11}$, VB$^{15}$, VH$^{15}$, WHL$^{+04}$, WKM$^{15}$, WG$^{12}$, WDGT$^{01}$, YWC$^{+10}$, YL$^{10}$, YMMS$^{06}$, YMY$^{06}$, YWY$^{10}$, YIC$^{+09}$, BH$^{93}$, CS$^{92}$, EMU$^{17}$, VMHB$^{14}$, Vol$^{93}$]. **Dynamical** [RP$^{01}$, Sta$^{06}$, GJ$^{02}$]. **Dynamically** [AMS$^{09}$, ZZL$^{+17}$, CBV$^{+14}$]. **Dynamics** [Ai$^{98}$, ATK$^{17}$, BET$^{14}$, Col$^{05}$, Dur$^{01}$, FSTR$^{13}$, FP$^{15}$, GRDE$^{10}$, HENfSYS$^{16}$, LMA$^{+18}$, NHL$^{16}$, PGR$^{96}$, PDV$^{+15}$, SM$^{18}$, Sta$^{97}$, TFA$^{+11}$, WBS$^{+13}$, VWVR$^{08}$, ZTW$^{+12}$, CC$^{93}$, GY$^{93}$, OKK$^{13}$]. **DYVERSO** [ATO$^{17}$].

**EACS** [BP$^{17}$]. **East** [Ano$^{97z}$, Ano$^{97-28}$, AEL$^{82}$]. **Easter** [Bro$^{90}$]. **Easy** [CY$^{11}$, GCL$^{+06}$, JLCW$^{06}$, SCR$^{+18}$, WHS$^{+18}$]. **EasyXplorer** [WCH$^{+15}$]. **EcoBrush** [GLCC$^{17}$]. **ecological** [WY$^{92}$]. **Ecology** [SvL$^{16}$]. **Economic** [Bel$^{87}$]. **Ecosystems** [GLCC$^{17}$]. **Eddies** [LSB$^{+17}$, SJ$^{13a}$, WHP$^{+11}$]. **Eddy** [WPH$^{+12}$]. **Edge** [ADF$^{85}$, BdM$^{14}$, HLI$^{11}$, HGR$^{+17}$, HV$^{09}$, JGH$^{11}$, LHT$^{17}$, LA$^{08}$, LJ$^{15}$, LFA$^{15}$, PG$^{94}$, TE$^{10}$, WTL$^{15}$, ZWHK$^{16}$]. **Edge-Aware** [LAA$^{08}$, WTL$^{15}$, LFA$^{+15}$]. **Edge-Face** [ADF$^{85}$]. **Edge-Optimized** [HDL$^{11}$]. **Edges** [BLVD$^{11}$, BW$^{13}$, CLM$^{09}$, IHS$^{02}$, MBCN$^{09}$, PO$^{85}$, SAAB$^{11}$, WG$^{09}$, LBA$^{10}$].

**Edit** [BHW$^{11}$, EIKM$^{16}$, RKGS$^{18}$, XWT$^{+09}$]. **Editable** [MG$^{09}$, CH$^{12}$]. **Editing** [AG$^{06}$, BKY$^{+16}$, BHW$^{11}$, BCK$^{+12}$, BKP$^{17}$, BK$^{05b}$, BN$^{08a}$, Cad$^{08}$, CCM$^{16}$, CIZW$^{12}$, CG$^{16b}$, CCTL$^{12}$, DRA$^{10}$, DJM$^{12}$, EKF$^{12}$, FACO$^{17}$, FAT$^{07}$, FCS$^{+16}$, GCLX$^{17}$, GMLMG$^{12}$, GSE$^{+14a}$, GA$^{98}$, GG$^{15}$, GLGW$^{12}$, HMTH$^{13}$, HM$^{15}$, HZ$^{11}$, HSK$^{14}$, IOI$^{06}$, Jes$^{16}$, KL$^{08}$, KMS$^{+13}$, KMA$^{15}$, KPD$^{10}$, KrJC$^{+11}$, KB$^{09}$, LW$^{95}$, LAS$^{+11}$, Lee$^{99}$, LJ$^{15}$, Lie$^{17}$, LYP$^{+08}$, LLSC$^{13}$, MBM$^{13}$, MI$^{09}$, MBW$^{+05}$, NKL$^{10}$, NSRS$^{13}$, OPP$^{10}$, OOI$^{05}$, PW$^{13}$, RLH$^{+17b}$, SMH$^{10}$, Sal$^{96}$, SBE$^{19}$, SPN$^{+16}$].
[CKL14, PR93]. **Electronics** [Pri85]. **Electroporation** [KFR18].

**Electrostatic** [SGBW10, SGW12]. **Elegantly** [GLGW12]. **Element** [Bak91b, BHU10b, IMIM08, KWSH+13, MRS18, SKCA01, WBG07, XGDC17, YFW12]. **Elements** [BEF17, BNC96, CK11b, CFS14, GBG+14, HZZ11, JTSZ10, K98, MKB+08, PSC10, SR96, ÜFE10, VMA+04, WDGT01].

**Elevation** [DKW94b, SS15a, TIS+95, BM93]. **Elimination** [Blo97, FA87, LS89, Yuk15, HB92]. **Ellipses** [GUK+17]. **Ellipsis** [SH14a].

**Ellipsoid** [LWP+04, XDY18]. **Ellipsoidal** [JBL+06]. **Embedded** [BGCP11, BXH10, GWT+08, GBW16, xHMC09, KFA+10, AH11].

**Embedding** [CK14, KCL+18, LZ07, PHL+16, SSSSW13, SDKG18]. **Embeddings** [BLTD17, HG18]. **Embellishment** [LLC13].

**Embellishments** [SHK15]. **Embodied** [Thi11]. **Emission** [NGN+01, WW11]. **Emissive** [SHZD17].

**Emotion** [ACC15, KKL16a, KB98, RNtH03]. **Emotional** [LC09]. **Emotions** [ACC15].

**Emperor** [Ano06c]. **Emphasis** [BRM+16a, GOH+10, HPK+16, TO97].

**Empirical** [AKMM11, PIWB98, SBLC17]. **Empirically** [KARC17]. **Employing** [PEPM12]. **Empty** [GKL17, Man16]. **Enabled** [VOS+10, OAJ14]. **Enabling** [ACS+17, FS92]. **Enclosed** [PK13, RL09]. **Encoding** [JBL+06]. **Encoded** [JZW14]. **Enforced** [JK11b, LCC+18, PW17, SK10, SGG16, VMTS10, WYD+13].

**Encounters** [BMH+12]. **End** [APH+12]. **Enderle** [Ano95s]. **Endoscopy** [Bar05].

**Energy** [BV96, CWM09, Fau96, GLW96, KFG09, KSS+15, MMO16, PTA+11, SGB13, VW95, ZLM+15, dFH+11, HP11]. **Energy-Based** [Fau96, KFG09, MMO16]. **Energy-Conserving** [dFH+11]. **Energy-scale** [PTA+11]. **enforced** [JZW14]. **enforcement** [TSK14]. **Engine** [FMS01, GMDW09, HHS01, ZK08, Kni93]. **Engineering** [ABW+15, DPD+15, Gol85, GSN94, Jen07, KBHM15, LSS+12, LMK+15, PPBT12, PH17, RPK+12, TT12, tH83a, DMS14, Sas92]. **England** [Arn91, ID10]. **English** [HR92]. **Engraver** [Zot08]. **enhance** [SSK93]. **Enhanced** [CNCO15, JESG12, LM15, PSCC18, RAMG15, SKMS06, TGM12, TK98, XCDR10]. **Enhancement** [BCN11a, CFI91, DMH08, HA11, HDL11, KLW12, LLC11, MO10, PRL12, ZCC14, ZBW11, HHS14, SLK14]. **Enhancements** [Jo106, SPS94, TMHD12]. **Enhancing** [JBL+06, KK11b, LCC+18, PW17, SK10, SGG16, VMTS10, WYD+13]. **Enjoyment** [SSK16]. **Enriched** [KL19, ZZL+17]. **Enriching** [KBB+17]. **Enrichment** [Zar06]. **Ensembles** [FKRW16, HW10, KWS+15, LMK+15, MW18b, PPBT12, WKS+14, ZCH+17]. **entangled** [GGG+16b]. **Entertainment** [Saw07]. **Entities** [ACC15, SJB+17]. **Entity** [EASC+17]. **Entropy** [HVH+16, HS08, KS13b].

**Entry** [Ben94]. **enumeration** [dS96]. **Environment** [AHR85, BCD+13, BSG+95, BNJ15, BCh+95, BCRA11, CWKS00, FBT99, GKD07, HK00, KL14, KÖOH13, LD06, LLP00, MRMH12, Mi88a, MO08, MN87, MFDA86, PRS89, PDM12, RTN03a, RTN03b, SH14a, Sch01, SPV+10].
SSSK04b, VGSS04, WKG85, YIC+09, CFT86, CTW92, DM92, IMDN14, KSH92, TAAP+16, VCDF95, WT93, dBv93. Environment-Adaptive [KL14]. Environmental [GSHN94, GPG+16, vvT84]. Environments [A98, AVF04, BGAM04, CKHL11, CBSF07, DDH+18, FVHK17, Fuc04, GSA03a, GSA03b, Hei01, HIJ5, KCB97, KW05, Kun04, LD04, LL01, LGK97, MCO97, MHA17, MG95, MSWK02, MCG+19, MF00, PLT+97, PDV+15, PIWB98, SS00, SG96a, Shaf7, SCCN11, SDM99, SD00, SDB99, SNLW01, SCG04, WBP98, WS99, DGR+14, GH96, Gob95, Gob96, HK94, JPC14, VCDF95, HJL07]. EnvyDepth [BCD+13]. eNVyMyCar [GC09]. EPDi [AVBC18]. Epigenomic [YNM+13]. equalities [SSJ+10]. Equalization [AGM+06]. Equalizer [LMS+16]. Equation [PHTB12, YW97, HGA+10, PM93]. Equations [CRGZ10, YLG+18]. Equidistant [MLP92]. equivalent [vDHO16]. Erosion [CBC+16, KBKS09, RPP+93]. Errata [Ano06a]. Erratum [Ano99f, Ano07a, Ano09a, Ano13a, Ano15b, JD01, SE02b]. Error [AKSA09, BEEM15, CRS98, DCYG19, ED07a, EPAS11, HS98, JKJL18, LA06, MMG10, NIDN16, SW04a, SNJ+14, SKS09, VR12, VA18, WTTM15]. Error-Bounding [HS98]. Error-Correcting [EPAS11]. Errors [GGK+11, KUMY10, RAP08, VW91]. Escher [SDG99]. Escher-Like [SDG99]. Estimate [JZJ89b, WW09b]. Estimates [Buh01]. Estimators [FCH+06, SKGM+17, WYD+15]. Eulerian [JS10, PCBL16]. EUROGRAPHICS [Ano95o, Ano95p, Ano95a, Ano95d, Ano95e, Ano95f, Ano95g, Ano95h, Ano95i, Ano95j, Ano95k]. EUROGRAPHICS [Ano95o, Ano95p, Ano95a, Ano95d, Ano95e, Ano95f, Ano95g, Ano95h, Ano95i, Ano95j, Ano95k].
Vel91, WG82, Ano87a, Ano88b, Ano91c, Ano96i, Ano96h, Ano96j, Ano96k, Ano97v, Ano97w, Ano97y, Ano97z, Ano97t, Ano97u, Ano97x, Ano98a, Ano98b, Ano98c, Ano99g, Ano99h, Ano99i, Ano99j, Ano00c, Ano00f, Ano01c, Ano01d, Ano01e, Ano02c, Ano02d, Ano04b, Ano04d, Ano04f, Ano04g, Ano05c, Ano05d, Ano05f, Ano05g, Ano06c, Ano06d, Ano06f, Ano07b, Ano07c, Ano07d, Ano07e, Ano96s, Ano97o, Ano99j, Ano99k, Ano99l, Ano00h, Ano00i, Ano02f, Ano02g, Ano02h, Ano02i, CWM19, HDF15, KCJM16, LKD+17, WHD17.

**Evaluating** [CCH+14, GHX+17, HVH+16, HYL+15, JVS+12, KK17, OJ15, SDB+15, WLS13]. **Evaluation** [AKMM11, ARH12, AHR13, APM+11, APP10, BGCP11, BLD+09, BLD13, BMB+18, BCBL13, CRY11, Cad08, CK10a, DBS+18, DDV+02, EWM13, HMD05, HV10, JCI10, JKL10, JR08, KLo87, KDC17, KHW13, LCCSO10, MC96, MBDC15, MK15, MAAG12, OJ15, Pat89, PIWB98, RGSK10, RB10, RLP10, RL15, SLB+18, SSKB15, SA15, SHK15, SBD†15b, TAAE15, UMM+10, WHC15, WVV11, YCXW17, ZC95, vKP06, BR96, BLD14b, GA93, VW90, VW91, WGO+14].

**Even** [BHW17]. **Evenly** [JL00, SLCZ09]. **Evenly-Spaced** [JL00]. **Event** [Ano98y, Ano99j, Ano99k, Ano99l, Ano00h, Ano00i, Ano02f, Ano02g, Ano02h, Ano02i, CWM19, HDF15, KCJM16, LKD+17, WHD17]. **Events** [Ano97n, Ano97l, Ano97m, Ano98q, Ano98r, Ano98s, Ano99e, GPK+12, Gre97, Gre98, PZDD19, SCD+16, KB92]. **Everyone** [Ros97]. **Everywhere** [IRWM17, LSR17]. **Evolution** [Col05, Duc14, GLG+16, GBD09, RTJ+11, SKZF11, SLSG16, TOZ+11, TA08, VBAW15]. **Evolutionary** [BCBL13, HCG08]. **evolutions** [CL92]. **Evaluating** [BF09, CK10b, ED07a, Kaz15, KRG03, MK95, MAAG12, NAB86, SPD07, SHCB15, The02b, YLL+09, BR96]. **Exaggerating** [yKL08]. **Exaggeration** [TX16]. **examination** [Kni93].

**Example** [BB09, CYC15, FLJ+14, FB11, GLCC18, GMM+12, IMIM08, KS10, LCL07, LP15, LFA+15, NGDA16, OOI05, PCS94, PP10, RJT18, ROM+15, RSK13, SLB+18, SD10a, WHCO08, ZTT15, ZLT15, DDD92, ZLL13]. **Example-Based** [BB09, CYC15, GMM+12, PP10, SD10a, ZTT15, ZLT15, FLJ+14, IMIM08, KS10, LP15, LFA+15, OOI05, RJT18, RSK13, WHCO08]. **Example-Driven** [FB11, NGDA16]. **Examples** [OAIS09, PNVS17]. **Excel** [WPHC16].

**EXCELL** [Tam82]. **Excentric** [BRL90]. **Exchange** [KKK09, WHF+12]. **Exchanging** [BSVS04]. **Excitable** [NHL16]. **Exemplar** [IEK16, ZCC14]. **Exemplar-Based** [ZCC14]. **Exhaustive** [HS98]. **Exhibition** [Ano93, Ano94, Ano96b, Ano96c, DJ88, HHS89, Req86, TB84, Van85, YH13,
ACM80, Enc81, Van80, WG82, thH83a, Wat82]. Expanded [MW18a].
ExpandNet [MBRHD18]. Expansion [BDA+09, MBRHD18, XS06]. expect
Expeditions [Wat96]. Expeditions [CBSF07]. Experience
[BPF+03b, ESK03b, MGJ06, TCH+03a, VGSS04, WGG88]. Experiences
[AEL+82, MRL+17, CRW83]. Experiment [Moh87, Kin92]. Experimental
[SvW13]. ExPlates [JE13]. Explicit
[DCPS08]. Exploration
[ABW+15, AFK+14, BGCP11, BRS01, BFPG11, BS+14, BCBL13, BBBL11,
BBL12, BBP10, BCWR08, CSG+18, CZE08, EAGA+16, EASP+17, FHM16,
GHG+17, GLG+16, HGRS+17, JBB+08, JE13, JvdGMR19, KRD+15, KvLB14,
KFR+11, KTW+13, LWBP14, LWT+15, LL09, ME13, Man16, NJB+11,
NLB+13, OSR+14, OJMN+19, PTW13, PEP+11a, PFH+18, PEM12,
RvdHD+15, RCMA+18, RK+12, RAMG15, SMH10, SSC09, SKK08,
WG11, WCH+15, YNM+13, ZH14, vdEvW13, AKZM14, DGR+14, DKG15].
Explorative [BBB+18]. Exploratory
[ADN+17, IEGC08, KOB+08, KGP+12, SV10, SvL16, TCM10, WHC15].
Explore [BHRD+15, RNtH03, SWG16, TLFC16]. ExploreMaps [DGR+14].
Explorer [RHM+12]. Exploring [ABB+10, BB07, BCD+10, BJA+15,
CWG11, DBD+13, DRW15, EBSG99, HRS+14, HC14, JTRS12, KWD14,
KFLCO13, KW18, LT17, LXFW11, LBJ+16, MRL+17, PEP+11b, PDV+15,
PSK09, RL16, SML17, SSM12, SHS+17, TLRB18, WL+17, vdCvW16].
Exponent [GTK16]. Exponential [PR19, SFY13]. Exposure [GTM+12,
GPR+15, HA11, LP15, MKV09, MPBM+17, SLE17, SLWSS15, SBB14].
Expression [MD19, RNT03, SL09, WVKR08, ZPS03, MMAG93].
Expressions [BIMO04, WHL+04, WR05]. Expressive [DN08, JL08].
Expressiveness [KRM07, LHH+13, WTLL13]. Extended
[BRL09, RW08, SSW14a, SWT+18, TGK+17, WZCF15, PFC05]. Extending
[DBK11, WGG99]. Extension [Bak88, JA95, KPiAS01]. Extensions
[FPC+16]. External [ESC00, KLK17]. Extinction [GDML13]. Extracted
[CS16]. Extracting [BPK14, CIXH17, DMP93, DHI+15, EIKM16,
KBW+12, KCH+18, LKD+17, TIS+95]. Extraction
[AGD08, BAT11, GWT+08, GE98, GSW12, GT18, GLX+16, HLH+16a,
HWC+05, KRS+13, LW17, LW18, LKG+16, MBES16, MPWC13, OZ06,
POS+11a, PKG03a, PKG03b, PTA+11, PWH98, SWPL08, SVG+08, SBD+15a,
SR96, WL10, WGG99]. Extraordinary [ADS06, LS08b, Nas03, MM18].
Extrema [JWS12]. Extremal [GSW12, KCH+18, WMZ12]. Extreme
[XXL14]. Extremely [DCPS08]. Extremities [SY14a]. Extrinsic
[LJC17, YDT+18]. Extruded [CJFH14, SM10, WWS07b]. Eye
[BB09, BSE17, BKR+17, BKW13, GRC13, HYL+15, KTMM07, RIF+09,
RPA+15, VGSS04, WBM+18, MH07]. Eye-Centered [GRC13]. Eyeglass
[KTN10].
Fabricating [CSaLM13], Fabrication [ASH15, Att15, BFR17, BCMP18, BRWM18, BLS+17, FKR13, HL15, HMA15, HBA12, LMSG16, LZY+17, MEKM17, NKS16, PDP+15, SP13, SCP+17, UTZ16, VGB14a, WW16, WZK16, YWM15, YCXW17, ZZWC16, ZLW+16, ZZX+17, ZKWG16]. Fabrication-Aware [BFR17, SP13]. Fabrics [ME98, SKZ11]. Facade [CML+12, LJN02, DCNP14, MWW12]. Facades [AYLM13, HWA+10, KBK13, RBDD18, WXR+16, PW17, IMAW15, VCL+11]. Face [ADF85, BAHS06, BL08, DPT+08, FNH+17, GVS+15, GSA03a, GSA03b, IIS08, JD98, OZS08, PZY08, RC18, SDK+15, SKC01, TX16, WL08, WL10, ZPS03, ZTG+18, PG93, PG94]. Face-Centered [RC18]. Faces [BSC16, BBIG17, BBPV03a, BBPV03b, BSVS04, CLG+18, FGT+16, GVS+15, KK07, KÖS+15, KMT03a, MH07, NJ04, RB03a, SSSB07, WHL+04, ZSW10a]. facet [BSH12]. Faceted [BRM+16a, FKR13]. Facets [MNP08]. Facial [BSC16, BS19, DBB+18, FHW+11, FGT+16, GB7+13, JL08, KÖS+15, KMB+17, KRP+15, KBB+17, LJZX15, LXFW11, MD19, NJ04, Pat95, RNT03, SRH+11, SCR+18, SK17, SKC01, TFA+11, TX16, TSP05, WHL+04, WL10, WTR05, YD88, ZPS03, KMTT92]. Facilitate [Gna82]. Facilitating [BMPM12]. Facilities [Ros83]. FACS [WR05]. Facsimile [XJJ+08]. factor [MMAG93, Sbe93]. Factored [CML+12]. Factoring [AEW00]. Factorization [MTR08, MC10b]. Factorized [WHB+13]. Factors [DAF+18, MRL+17, SGS18, STMT12, Gui92, SZG93]. Faculty [tH83a]. Fade [GVWD06]. Fair [KP95, MS93]. Fairing [Gre94, LBH+01]. Faithful [KÖT07]. Families [LT17, HKM15]. Family [BAU05, HAML05]. Farthest [CG12, YGJ+14]. Fashion [SSE+14, CLGS18]. FashionGAN [CLGS18]. Fast [AES94, ABD10, AO86, AO89, AMSF08, ATCO+10, BT95, BCCS12, BAT11, BF09, BHH13, BM12, BB99, BS98, BB08, CSN04, CK11b, CKM+99, CMH+01, CS18, DHH08, DMYN08, DKK01, EL01, FWP11, FH18, GQ10, GL10a, GPP+10, HKS09, HHS05, HUW17, HSC+05, IDN03a, IDN03b, IUDN10, KS12a, KSN08, KZ05, KSO10, KZ15, KHK+09, KH92, KLAB15, KKB18, KWF+01, KS12b, LD08b, LK10, LK13, LWDB10, LG+09, LLS+98, LMP+10, LPH+15, LW17, LG95, LCD09a, LGZ+16, MS16, MFPA15, MMP09, MAM14, MN08, NH18b, NNSK99a, NL18, NS09, PKS10, PW09, PP08, PB94, Pat93, PEPM12, POCM19, QTN03a, QTN03b, QY17, RKK02, RH+95, SS09, SR19, SZMTW15, She99, SSK07, SPD14, SWB01, SLT08, SN08, SO10, SOM04, TTY9a, TT97, TSPP16, VCO1, VCC98, VKJ+17, WWH18, WLM13, WS99, WTYH18]. Fast [XSMX13, YLL+09, YXX14, YYZ18, YF85, YBY10, ZPS03, ZQK04, ZY04, ZWC+10, ZLSW17, ZSW+10b, vKP06, GD16, Sbe93, SA93, VR12, WBCG09b]. Fast-forward [ZLSW17]. Faster [BRM+16b, KB89, LCO10, MS16, NB12, SGEM16, WGS04]. FastV [CATM09]. Fat [BJB+18, YR91]. Fat-Tree [BJB+18]. Faulted [McC83]. FaVVEs [BRM+16a]. FCC [VCRG14]. Feather [SH02, DSC95].
Feathering [LLC+15]. Feature [AGDJ08, BYM18, BBW+09, BYB09, BK01, BBN02, BHU10a, CS16, CLLC15, DGO+12, ELM+12, FGM99, GWT+08, GLK16, GLK18, GGP+15, HTG14, HLH+16a, HGA+10, HWC+05, JH12, JKK+18, KMD+17, KSL+08, KYC16, LM96b, LBG16, LSL10, LB19, LPG10, LKG+16, LRB+15, MFNP13, MVZ16, MMV+13, ÖGG09, POS+11a, PKG03a, PKG03b, PK08, PHR+10, PTA+11, RMZ13, SWPL08, SW17, SYM10, SVG+08, SKC01, TE99, TX16, VRKS01, WL10, WYZC13, XXS+15, XADR13, YXX14, YLY+16, ZLK05, ZWY+13, AFHdL14, LM93, LM96a, WZC+11].

Feature-Aware [CLLC15, KYC16, LBG16]. Feature-Based [LLSL98]. Feature-Driven [LRB+15]. Feature-guided [KSL+08]. Feature-Oriented [YXX14]. Feature-point-driven [SKC01]. Feature-Preserving [BHU10a, DGO+12, HTG14, JH12, KMD+17, WYZC13, ZWY+13].

Featured [TCRS00]. Features [ABCJ10, AMS16, AKZM14, BLY+11, BBB+18, BHS+17, BPKB14, BM12, CJXH17, DMHS08, DMS14, EIKM16, HP04, HBK02, KSP+18, KCH+18, KRS+13, LWY08, MKO+08, PSCN10, PPH12, PMW86, RHM+12, Sch11, SJW+11, WB01, WVV11, ZCOAM14, vadCvW16, LBBC14].

Featuring [Pos11b]. February [Gob96]. Feed [KSK97a, KSK97b]. Feed-forward [KSK97a, KSK97b]. Feedback [Pos11b]. Fellow [Ano07c]. Fellows [Ano08a, Ano04f, Ano05d, Ano06d, Ano07k, Ano09d, Ano10b, Ano11d, Ano12e, Ano13g]. Fellowship [Ano07d, Ano07e]. FEM [BHU10b, CFS14, JTSZ10, KKB18, SSB13, Y110, YLHQ12, hZCK98]. Few [AR95, MSZ+18, POB+07, SP03a, SP03b]. Few-shot [MSZ+18]. Fewer [OMW16]. FFT [McC96]. Fiber [AAS+16, CGT+15, CZCE08, KGM+10, LZF17, OV10, PEPM12, RPK+12, SSSSW13, SE10]. Fiber-Level [LZB17]. Fibers [ACG+17, SSA+08]. Fibonacci [MBR+13]. Fibre [PVtHR09]. Fibrorous [KK14]. Fiction [Fuc97]. Fictional [RGM+18, SJB+17]. Fidelity [DMAL10, DDC09, JVS+12, RP98, WZCF15]. Field [AGG+08, AMTMH12, AH11, ABCCO13, BEJM15, BB12a, BS02, BB08, CWW+11, COC15, DZD+16, DYN04, DLY+18, DZC11, FKSS13, FL19, FKS+10, FKR13, GEZ+17, GT16b, GG17, HKW15, HRS18, HL03a, HL03b, KTMN07, KS07, LKC08, LCM+06, MMP08, MRD12, NSRS13, NZH+18, OKG+10, OGHT10, PLPB07, PPM+16, RHLH18, RSTK08, RR00, SP97, SW10, SGM+11, SS96b, SOM04, TW10, TRSKK08, VSG+13, VCL+16, WLZT18, WCX+13, YYW10, ZZH15, ZCP07, ZBA+07, BB14, CGT+15, CFGL16, EGG+15, SBB14]. Field-Aligned [DLY+18, NZH+18].

Field-Coherent [PPM+16]. Fields [AGDJ09, AM02b, BDS+03, BRS01, BCBG10, BPKB14, BB12a, BOB13, BSEH17, CCI08, CYY+11, CGBG13, CSS18, Coq85, DLD12, DVPSH14, EBA+09, FKSS13, FLBS07, GPK+12, GRT18, GKK13, GST14, GKT16, HLH+16a, HMA15, HE94, IECC08, KCH+18, KZ04, LS16, LWS18, LKG+16, MRS08, NVT+14, NS09, OBI+11, OZ09, ORT18, OT12, PPH12, PRW11, PW12, RSK12, SW17, SFFP15, Sch11,
SFL+16, SEA08, SN08, SBCBG11b, SOM04, Szy11, SBL12, The02a, TRS03a, TRS03b, Tim12, TRAW12, TSH01, UGLY08, VB14b, VMA+04, WRS+13, WTHS04, WTHS06, WGS10, WHT12, WP04, dGLB+14, vPJtHRV12, vP94, AM92, GRT14, ILRS03a, ILRS03b, JBT08. Fifteenth [Ano97-28]. Fifth [Ano95q, Lis90, Wil84, MJ98]. figure [BT92]. Figures [CYI+12, OM01].

Filament [KGM+10, HL14]. Filament-Surface [KGM+10]. File [DH02, SABG+05]. Fill [AHT04, GP87, HR87, Ric87b, SM86]. Filled [Rok97, YR97]. Filling [DCOM00, NSY09, Ric87b, SB13, YF85]. Film [NDG17, TDMS14, SSK93]. Films [NREM14, SW08b, XADR13]. Filter [BCS12, HGO18, KR05, MS14, PTO10]. Filterable [WWH18]. Filtered [AHMAM15, Kla00, KC08, LTB19]. Filtering [ABD10, Baj03a, Baj03b, BEM11, BEJM15, BBB+18, BTS+17b, CDP95, CLC12, FR11, GO15, Got94, HP04, IGMM+16, JLL+16, KVS+14, KWN+14, KTW+13, KKD09, KK11b, LZFH18, LWS+16, MS16, MJBC13, MIGMM17, PO85, RSD+12, SFFP15, SDMS15, SGYF11, SBS+17, TySK00, Tok15a, TSPP16, VCRG14, WMB15, YBY10, WYY10, ZCZL13, ZDZ+15, ZSW+10b, ZWY+13, ZRJ+15, dCTAD09, LN17]. Filters [Bak88, BTS+17b, GM06, LK17, MS13, PK15, RI17, WYKR17]. Final [HHS05, MW11, SSS02]. Finally [Ros97]. Financial [KCA+16, ST18]. Finder [AVF04]. Finding [HKL17, LKF12, PLL11, Szy91c]. Fine [CYJ02, KKS+17, NJ04, SY11, SY13, SLS+06, ZWY+13, BC01]. Fine-Grained [KKS+17]. Fine-Scale [CYJ02]. Finger [LAFT12, WWS+15]. Fingering [SKK10]. Fingerprint [OKK13]. Finishing [ten82b]. Finite [Bak91b, BNC96, BHU10b, CK11b, GT15, GKT16, JTSZ10, KWSH+13, KB98, MKB+08, MRS18, SKCA01, UFE10, WBG07, WDGTO1, ZHD18]. Finite-Element [SKCA01]. Finite-Elements [CK11b]. Finite-Sample [ZHD18]. Finite-Time [GT15, GKT16]. Fins [CJW+06]. FIRD [MMP09]. Fire [SKWL13]. Firefly [ZHD18]. First [AP+12, Ano84a, BRM+16b, CCC+14, Dav07, End84c, GL10a, Heg90, Kel86, Le 90, RSD+88, GA93, Ott90]. First-order [BRM+16b]. First-Person-Views [CCC+14]. First-Year [Dav07]. Fisheries [BMPM12]. Fit [ADJ+01]. FitConnect [OW19]. Fitted [GPP+10, OW19]. Fitting [ABCJ10, BTP13, FKS13, KWW+14, LK13, LWP+04, LYL+16a, LYY08, NL13, PPL13, P95, P96a, Pud94, SB99a, SHLS02, TSB16, VSG+13, BSH12, LDB07]. Five [Ano84a, SD94b]. Five-dimensional [SD94b]. fixed [VR12]. Flame [OAM+18]. Flare [LE13]. Flash [MJL+13, PFC05]. Flat [MEKM17]. Flat-Foldable [MEKM17]. flatland [He92, ORDP96]. Flats [CWA+08]. Flattening [BCG08, KMM+18, MFT02, PTW13]. Flattening-based [KMM+18]. Flesching [ZR13]. Flexibility [BLY+11]. Flexible [ABCJ10, BAAM17, BXH10, BSAP11, BBT99, BS08, DZC11, GH01, LW95, PLT+97, PFC15, RSS96, SR19, SVWG12, Sta97, SFLP18, SDC09, WK12a, WCH+15, vBE11]. FlexyFont [PFC15]. Flicker [WWV17]. Flight [HA11, KBKL10]. Flights [PSC10]. FLIP
[CIPT14, FAW+16, SWT+18]. Flips [SY13]. Floating
[DHvOS00, EDM+08, MSS+10, SFLP18, SMG10]. Floating-Point
[MSW+10]. Flocking [O’H02]. Flood [AHt04, CKS+15, WKS+14].
Flood-Fill [AHt04]. floor [Lam09a]. Flow [Aan18, AGDJ08, BGCP11,
BBB+18, BPKB14, BP19, BBL12, CRC+15, CZY11, CK11b, CGS16, COC15,
CK5+16, CKSW08, CPK09, DI18, ELM+12, ELPH19, FE17, GWT+08,
GOPT11, GSE+14b, GT13, GKT16, GT16a, GG17, HYL+15, HWK15, JS10,
JWC+11, JL00, KSW+12, KSBC12, KS18, LHD+04, LGP14, LTH08, LS16,
MLP+10, MKP+16, MC14, NJB+11, OHBKH09, OHB+11, OJMN+19, POS+11a, PSL98, PKPH09, PTA+11, PPF+11, RSVPO2, Sad09,
SWLP10, SVC+08, SWS09, SGRT12, SEG+14, SBL12, TBKP12, VCC98,
WHT12, Wei04, WPH+12, WT09, YGL+09, ZQH17, ZWC+10, ZAD15,
dHvPJ14, vPJHRV12, vPGL+14, CSFP12, KGGP18, MMS09, PHE+11].
Flow-Based [FE17, WT09]. Flow-Embedded [GWT+08]. Flow-Induced
[GG17]. Flow-Orthogonal [SGRT12]. Flower [IOI06, YGCO+14]. Flowers
[BSCH18, ZFG+17]. Flows [ATW15, BvTH16, GT16a, HRRW12, HWK15,
KSBC12, LJB+12, RGG18, TAOZ12, TDF+15, TA08, WESW17, WMRSF15].
Flowstrates [BBBL11]. Fluctuations [DPF16]. Fluid [AMT+12, BSW12,
CK13, DYN04, EHT18, FAW+16, GBW16, HEW15, HJS+17, KPNS10,
KSW+12, KySK08, KMN+08, MMS07, OAIS09, OAO11, SCN+16, SSK07,
SJ13a, SHQL18, SZMTW15, TFK+03a, TFK+03b, WMRSF15, WTYH18,
YKH+09, YLD07, ZYF10, dHvPJ14, vPJHRV12, vPGL+14, CSFP12, KGGP18, MMS09, PHE+11]. Fluids
[AM02a, AIAT12, ATO+17, ATW15, AWO+14, BCN03b, BXH10, CK13,
CBC+16, DGP17, DMYN08, GLHB09, GDGP16, HLL+12, IPKK13, IEGT17,
KPNS10, KS18+12, KySK08, KMN+08, LD09, MMS09, NC10, PTB+03a,
PTB+03b, SCN+16, SSK10, ST08, TFK+03a, TDF+15, TL16, WMRSF15,
WKBB18, WYY13, YLHQ12, YNHB09, YWTY12, CIPT14, YLCH18].
Fluorescence [MFW18]. Fluvial [CBC+16]. Flux [BSW+12, KPS+14].
Flux-Limited [KPS+14]. Fly
[LBZ17, MHR00, OAM+18, SMS01, ZOA+18, SLSK07, SKK+14b]. Flying
[SC08a]. fMRI [JNM+09]. Foam [TFK+03a, TFK+03b]. Foams [KL19].
Focal [SGG16]. Focus
[GRE11, KGRG17, MbMYR15, MKO+08, OJS+11, TM13, BCN11b]. Foldable [MEKM17]. Folding [ZIM13, ZCBK12]. following [LJK+12].
Font [ZCL18]. Fonts [BBK+19, Gos86, SR96, ZCL18]. Footprint [WH17a].
Footprints [van97, vdP97]. Force [BB08, Fau96, HV09, SAAB11, ZWHK16].
Force-Directed [HV09, SAAB11, ZWHK16]. Forecast [WFZ+15].
Forecasting
[BAJ08, DPD+15, DPD+17, FKRW16, RCCM+16, RG19, SSK93]. Forecasts
[SWG16]. Forest [FBW01, KS18, ZBM+17]. Forests [BN12]. Form
[FGM99, FM04, Hec01, MMAG93, PSP10, RS08, UG08, ZT96, ZCG98,
AE97, GAK10, GS85, Guf92, HMA015, KMET92, KHR02, Sbe93, SZG93].
form-factor [Sbe93]. form-factors [SZG93]. Formal
[Dam91, Duc82a, DF85, Duc91, DD92, DDr94, TC94, DP93, FZP92].
Formalizing [HPK\textsuperscript{+16}]. Format [GPM\textsuperscript{+18}]. Formation [Dur01, IPKK\textsuperscript{+13}, TYK\textsuperscript{+09}, XWY\textsuperscript{+15}]. Formats [DHH02]. Formed [NKSI16]. Forms [Pic86a, WLT12]. Formulation [PGBT18, TDF\textsuperscript{+15}]. Forum [Hew84a, Ano03b, DS04b]. Forward [GT16a, LDdLRB16, KSK97a, KSK97b, WHD17, ZLSW17]. forward-scattering [WHD17]. Foundations [BRB\textsuperscript{+13}, LFK\textsuperscript{+13}, LJH13]. Four [HKPS09, HTG14, HS94, LZQ13, MTM12, MKO\textsuperscript{+08}, Nic85]. Four-Dimensional [LZQ13]. Four-level [MKO\textsuperscript{+08}]. Four-Way [HKS09]. Fourier [NMMK05, SLE18, XS06]. Fournier [Fiu01]. Fourth [SWS09, Ano97-29, Arbl90, Cla89, Rei03]. Foveal [CG07b]. Foveated [LCC\textsuperscript{+17}, WRK\textsuperscript{+16}]. Fractal [Pic86b, SB13, ZT96, BM93, SSK93, WY92]. Fractal-Dimension [Pic86b]. Fractals [Gda17, Gro92, NR95]. Fracture [CZZ\textsuperscript{+18}]. Fractured [GMM\textsuperscript{+12}]. Fragment [PTO10, TRSKK08]. Fragment-Parallel [PTO10]. Frame [CLHL08, DBS\textsuperscript{+18}, FMS01, HHS01, LWL\textsuperscript{+16b}, PC12, SW08a, SKWL13]. Frame-Coherent [FMS01]. Frame-to-Frame [PC12]. Framebuffer [YSL08]. Frames [BPKB14, Her84, SPR\textsuperscript{+94}]. Framespace [AW00]. Framework [ABW\textsuperscript{+15}, AMS16, BDA\textsuperscript{+17}, BSC16, BDC18, CKGC14, CLM09, CYY\textsuperscript{+11}, DKMT18, FQK08, FWPS11, FaABS09, GTS\textsuperscript{+18}, GD09, GA98, HKMS08, HSC16, JZYP18, KL19, LW94, LS89, LBJ\textsuperscript{+16}, MCH94, NIDN16, PGGM09a, PEP\textsuperscript{+11b}, PJS815, RPLH11, RSW\textsuperscript{+97}, SSE\textsuperscript{+14}, TIK17, Vax14, XE14, YMY\textsuperscript{+17}, ZCZL13, ZAM\textsuperscript{+16}, ZCG08, BRM\textsuperscript{+16a}, DP93, EPAS11, EKB14, LDB07, Lie17, MC02, YDT\textsuperscript{+18}]. Frameworks [BDFG07]. France [Ano97s, Ano97-29, Ano04b, BH96, DL04, DJ88, PB95, SZAB04, Van85]. Frayed [MBCN09]. Free [ANF97a, ANF97b, AE97, BGI08, CC08, DG12, DC10, FGM99, FM04, HMA15, HK09c, KPRW05, KAAT03a, KAAT03b, KS14, KRH02, LGZ\textsuperscript{+16}, NKS116, PPH\textsuperscript{+13}, SKTM11, UGLY08, WB02, WLSG03, YIC\textsuperscript{+11}, ZT96, ZCG98, CBV\textsuperscript{+14}, IYOI99, KMTT92, RRS12, SLH\textsuperscript{+17b}, SEA08]. Free-Form [FM04, ZCG98, AE97, HMA15, KRH02]. Free-Formed [NKSI16]. Free-Viewpoint [WLSG03]. Freeform [Elb99, JWWP14, Kob03a, Kob03b, MIW13, XDY18, YK06, BPW14, DPW11]. Freehand [OOL05, ZBW11]. Freeline [KPRW05]. Frequencies [BKW13]. Frequency [BDC18, IFIL13, MC10b, OPP10, OMT02, TM13, WWV17, IFDN12]. Frequency-Domain [OMT02]. Fresnel [EKFM12]. FRG [BP82]. Friendly [KGR\textsuperscript{+16}, SC04]. From-point [CATM09]. From [Ano16g, Ano16a, Ano16b, Ano16c, Ano16d, Ano16f, Ano17a, Ano17b, Ano17c, Ano17d, Ano17e, Ano17f, Ano17g, Ano18a, Ano18b, Ano18c, Ano18d, Ano18e, Ano18f, Ano18g, CCC\textsuperscript{+14}, CSC\textsuperscript{+18}, KSCN19, SGRT12]. Frontier [Enc98, vD98]. Frontmatter [Ano08c, Ano09b, Ano15a, Ano15f, Ano15c, Ano15d, Ano15e]. Fronts
**SLS**+06. **Fruit** [KRB11]. **Frusta** [BJCW09]. **Frustum** [RS08]. **FTP** [YSC+18]. **FTP-SC** [YSC+18]. **Full** [CLHL08, KH02, MMRO13, RR96, YHL+16]. **Full-Frame** [CLHL08]. **Full-range** [RR96]. **Fullsphere** [MC10b]. **Fully** [ACA18, DJW+06, LRBB17, SKZF11, SAA09, WBM+18]. **Fully-Implicit** [SKZF11]. **Function** [AGDJ09, AVBC16, BF15, CNCO15, GBAL09, GOH+10, HFM10, KPG+16, PPBT12, PGK10, PSO18, SPOK95, SPB+17, WZL+12, Bar93]. **Functional** [AGDJ09, AR95, AGJ12, BDF+14, BK05b, BG07, CLB+09, DKN+95, FP94, HW10, HH10, HL03a, HL03b, IYS+13, JWS12, JBL+06, LLC+10a, LWP+04, LGK+16, MGV11, MIB+08, MRL10, MMS+05, NL13, NP00, NBHN17, PSP10, PDV+15, PP09b, RSK13, RSS96, SKZ13, SK86, SRK13, SFL+16, SCM+09, SS15b, SMG10, SLD03, SVL03, TC94, WS09b, XWT+09, BCSS13, DF93, Sch94a, TWSM17]. **Fundamental** [DGEG09, WLT12]. **Furniture** [GS09]. **Fused** [LLHY09, RCM+14]. **Fusion** [EGG+15, HW16, HA11, JJKL18, MKV09, YCL+17, ZCZL13, KBO+14]. **Future** [Bak88, Bro90, Enc98, Han05, OJMN+19, vLKS+11]. **Fuzzy** [LS15, SCF10, SDK]18, YSC+18].

G [SV14, MG09]. **g-BRDFs** [MG09]. **G.** [Ano97-31]. **Galleries** [BBW+09, RSTK08, VBP+09, YM09, LSN+14]. **Galliformes** [DSC95]. **Game** [Col05, FMS01, GC09, Jon90, MVLS14, MTVJ11]. **Games** [BB00a, HHS01, Hec01, KW05, Saw07]. **Gamma** [BSH12]. **Gamut** [NKB14, PR12, SSGM17]. **Gamut-Based** [NKB14]. **Gamuts** [RGW05]. **gap** [MK08]. **Garden** [WBEF97]. **Garment** [DDO+17, ML91, SSS+05, ZCF+13]. **Garments** [DJW+06, PZB+09]. **Gas** [ZH]17]. **Gaseous** [GLHB09, SW92a]. **Gaskets** [Jon90]. **Gather** [SSS+02]. **Gathering** [HHS05, JWD+11, MW11]. **Gauss** [YBY10]. **Gaussian** [ADS06, HWF+17, IFDN12, LS16, Tok15b, WFZ+15, XL10, YXZ+12]. **Gaussian-Based** [HWF+17]. **Gaussian-Distributed** [LS16]. **Gaze** [BK13, HO+10, MBM13, QA14, PMG13, RKG818, RPA+15, SGEM16, VGSS04, WBM+18]. **Gaze-Contingent** [SGEM16]. **Gaze-driven** [MBM13]. **Gaze-enabled** [OAJ14]. **GazeDirector** [WBM+18]. **GEARS** [WZKP14]. **GEMSe** [FMH16]. **GEncode** [LCL+06]. **Genealogical** [RHM+12]. **General** [AMS16, Ano95r, Ano97q, Ano97z, Ano97-30, Ano04b, Ano04g, Ano05b, Ano05e, Ano06b, Ano06e, Ano07g, Ano07l, Ano08d, Ano09c, Ano10a, Ano10c, Ano11c, Ano11e, Ano12d, Ano12f, Ano13f, Ano13i, BEEM15, BÖK11, CLM09, Coe83, HR85, HVVR17, HCSSC16, HLJ+13, KS13a, LT16, LCL+06, LWS+13, LSZ08, LBJ+16, LP95, MR17, OLG+07, PCDS12, PSP10, Pii85,
RÖG17, SV14, SSS97, SDHL11, WZKP14, WHT12, GMDW09, GGRZ06].

General-Purpose [HLJ+13, OLG+07, Pil85]. generalization [vDHO16].

Generalized [AMAM13, BDA+17, CG16b, DLGY12, EDPB15, ESV99, Jac17, Jes16, KPK10, MCM+12, OPC96, PKS11, PGK10, SMS01, STKD12, TSYK01, YGL+09]. Generalizing [CGT+15]. Generated [Chr86, Pat95, Pic86a, SB99b, UKCB15, Lei94]. Generating [AW00, BDA+09, BBDM85, GC96, LD08a, LF97, LGMT00, LVJ10, Mar95, MH17, Par86, RLGH15, WVVV08, WTL13, Yuk15].

Generation [ABC+91, AKV15, AAB+96, BSK+13, BLP+13, CNCO15, CG16a, CG18, CBC+16, CEG+18, DG95, DCYG19, GMY97, GPMG10, GTC+18, Gm+09, GD96, GD10, GSP+11, HST+05, JSLW14, KMN+05, KZ12a, KWC+12, KK07, KO+15, KGRG17, Kuz95, LW95, LMP+10, LEE17, LCM+09, MK05, MG87, MKO+00, Mi+

Generic [CLGS18, ZLZ+18, HKM15, NW17].

Geneva [Van80, Ano04g, Ano05e, Ano06e, Ano07l, Ano10c, Ano11e, Ano12f, Ano13i].

Genetic [Deb18, HSS17, LS15].

Genome [SCD+16, WVKR08]. Genomic [WVKR08].

Genetics [DG95, LC09, PRW11, SPT14, VT94]. Geometrically [CC00, SHCB15, YYL+16]. Geometrically-Aware [CC00]. Geometries [JL17, Kaz15, RXX+17, WH17b].

Geometry [ABCJ10, ABC+04, AD06, BW14, BS12a, BK05a, BK05b, BDS+12, BHGS06, BS10, BHH10, BB08, BBDA10, CD16, CSD11, CT00, CC06, CCLN01, CCW12, CK13, CLF+03a, CLF+03b, CDPS09, CH11, CDS10,
CKSW08, DKB+16, DWL08, DRF12, Des04, Des06, DGGP05, DGE09, DSW09, DFY14, EMP+12, ESP08, EBGM12, EMK09, ESK03a, ESK03b, FWX+13, FAVM09, FGT+16, GP09, GPK+12, GMC+06, GE04, GBP05, HRS+14, HM15, HMA15, HP04, HWC+05, HREB11, HL03c, IEKM16, JWB+06, JLCW06, Kad15, KR05, KCL06, KMHG13, Kim15, Kob03a, Kob03b, KSH04, Kol08, KQWM08, KBÖ+14, LT17, Lai13, LH13, LJM02, LT19, LCL+06, LTH08, LSJK09, LZQ13, LJBA13, LPG10, LCLJ10, LLW12, MS10a, MS12, MK05, MCM+12, MBG+12, MSLW12, MPM+14, MPWC13, MMHL08, NWHW16, OZ06, Pat16.

Geometry [PHK+10, PPM+16, PFC+05, PKS11, PK15, RL09, Rus10, SWPL08, SG96a, STK08, SCM+19, SY12b, SLS+06, She12, SP06, SLHC12, SFL+16, SYT+13, SSB05, SJW+11, TSS+11, VC04, VL08, VS10, Vel99, VMG09, WKM15, WLA+13, WYCH10, YSL08, YGL+09, YH13, ZRS05, ZYW+13, ZIM13, de 97, BDL14b, PCF05, Sbe93, VB14b, YDT+18]. Geometry-Aware [CK13, YSL08]. Geometry-Driven [VS10, LCL+06, MMHL08].


Gestalt [KNH+18]. Gestaltlines [BNR13]. Gestural [Duk95, KMB94]. Gesture [EBSC99, BH93]. Gestures [ATF12, JL08, KHIK01, LAFT12, SHW+18, SSK13]. Getting [SSS98].

GGX [TH17]. Ghosted [BGCP11]. Ghosting [SW11]. Gigaray [BOB13]. GigaSample [TRAW12]. Gino [Duc82b]. Girona [NSGP06]. GIS [Bar93, But94, GL94a, GL94b, NDD14]. GIS-product [Bar93]. given [THN93]. GlzMOs [PKR09]. GKS [Ano87b, AHR85, AH89, Bak88, Bak91a, BBRM88, BP83a, BHM87, Dam91, DDR93, DDO9, ELM+83, End83a, End84a, FCP+90, Fre90, GD85, Her84, HR85, HR87, HM86, Mac84, MA85, Mil87, Mil88b, Mil88a, MN87, Mum86, ND94, PNR89, RGM85, Rie87c, Ros83, SC84, SK86, Sm86, Sla84, SAHt91, Ste84, WH89, ten82b]. GKS-3D [Fre90, PNR89]. GKS-Ox [DDR93, ND94]. GKS-Based [Mil88a].

GKS-Implementations [End83a]. GKS/GKS [PNR89]. GKS/GKS-3D [PNR89]. Glare [KMN+05, RIF+09]. Glasgow [Kil85, Mat86]. Glass [AS+16].

Global [BW00, BRDC12, BEM11, BEE15, BEJ15, BWS03a, BWS03b, BLK11, BBL+09, BB12b, BAJO8, MBM, BMB15, CLE12, CAE08, DDM03, DKL10, DGV08, DBB+09, ENSB13, EZK08, ESRT13, FD09, FP04, FKRW16, FLBS07, GSA03a, GSA03b, GD01, GDK07, GRC13, GRR+16, HVAPB08, Hei01, HHK+07, HMS09, HP02, HGRS+17, HREB11, HLS96, IDN03b, JMD15, KLCF10, KTO11, KLAB15, LDdLRB16, LSP08, LZX+08, MAM14, NKL10, NSJ12, MS09, NKF09, OSG08, PLPB07, PW12, REH+11, RDGK12, Ros13, SW17, SNRS12, STKO8, SW04a, SIP07, SY12b, YC10, SCCN11, SSM12, SHD15, SP95, SSG+00, SW99, SSSK04b, SK99, SKCA01, TDdSK13, WGS04, WSO3a, WMS+08, WAO9, WHB+13, WMB15, WH17b,
Global-Illumination [HLS96]. Globally [FACO17, PSDB+10, SSG17, SEG+14, WSC06]. Globes [YJD+18]. Gloss [BPV18]. Glossy [DBK11, GD01, LWLD11, SSG+00, Tok15b, XWB15, YWY08]. Glowing [WW11]. Glyph [JKLS10, KJC+09, LCP+12, MVB+17, SK10, YWS+14]. Glyph-Based [LCP+12, MVB+17, KJC+09]. Glyphs [CAB+16, KWD14, SK16a, SK16b, WPHC16, HSJW14]. Goal [PJJ+11, ZV09]. Goal-based [PJJ+11]. Goal-Driven [ZV09]. Godel [GMDW09]. Good [KP18, MB08, SP03a, SP03b, SNLH09, VBP+09]. GosiP [Fre90]. Gouraud [Nar95]. Governing [NHL16]. GPGPU [EPAS11]. gProximity [LMM10]. GPU [ASK14, AGG+08, AWJ13, BHP15, BCW09, BWPP04, BS08, BBA08, BBS+09, CSI09, CLH+08, CYY+11, CZGF05, DS09, DR08, ED07b, FQK08, GL10a, GGK06, HGRS+17, JBG17, JH12, JSLW14, JZYP18, KZ08, KSN08, KKS+17, KDCM14, KGR+16, KW05, LMM10, LMS04, LCD09a, LMMCO17, Lov06, MW11, MS14, MMFE08, MBG+12, MO08, MRS08, MRS18, OBGB11, PKS10, PBPP11, PC12, PGK17, PGSS07, RS08, RLH17a, RLN06, RPLH11, RGG+14, SKNS15, SSO+10, SS09, SKK+14b, SKK+14a, SKALP05, SKU08, SKUP+09, TTN+13, TWT+16, TRSKK08, VHB16, WBS+13, WSE04, WSBZ08, WT11, WTYH18, YHGT10, YWY08, ZSS17, ZFE16]. GPU-Accelerated [MMFE08]. GPU-Adapted [ZSS17]. GPU-Assisted [CSI09]. GPU-Based [RGG+14, BHP15, RPLH11, TRSKK08, BWPP04, CLH+08, DSW09, GGK06, KSN08, LMM10, LMS04, MW11, MRS08, MRS18, PC12, SS09, TTN+13, TWT+16, WSE04, YWY08]. GPU-Friendly [KGR+16]. GPUs [HK09, HRZ12, HJL+13, KBS11a, KHH+09, LMM10, LCD09a, LWY+11, LMMCO17, Lov06, MW11, MS14, MMFE08, MBG+12, MO08, MRS08, MRS18, OBGB11, PKS10, PBPP11, PC12, PGK17, PGSS07, RS08, RLH17a, RLN06, RPLH11, RGG+14, SKNS15, SSO+10, SS09, SKK+14b, SKK+14a, SKALP05, SKU08, SKUP+09, TTN+13, TWT+16, TRSKK08, VHB16, WBS+13, WSE04, WSBZ08, WT11, WTYH18, YHGT10, YWY08, ZSS17, ZFE16]. Gradient-Based [NNN11, DMCN+17, RZLG08, RLGH15]. Gradient-Index [CGRZ10]. Gradient-Preserving [WZL+17, XM09]. Gradients [HYZ+14, JZJ08a, LSW09]. Graffinity [KLS+17]. Graflog [PKL88]. Grain [NDG17, TDMS14]. Grained [KKS+17]. Graining [CDS+14]. Grammar [HWA+10, KWS16, KJC+09]. Grammar-based [HWA+10]. Grammars [BHMT13, HLL16, MBG+12, VRBC17]. Granada [DT04]. Granite [SMTG07]. Granular [LD09, ON05, SMTG07]. Graph [ACS+17, BW00, BBWD17, CC14, CDS16, Dwy09, GRE11, GSGC08, GSE+14a, GB09, HBH18, HV09, HET12, HLH06, KKTD17, KRM+17, LVJ10, LFC14, LGW18, Men95, NHH97, OAJ14, OJ15, PSF04, PIMD12, PV08, SAA09, SLH+18, SBF+14, SKKS08, STP17, VW08, WT11, XDC+13, ZHC+00, CTT92, PSF04]. Graph-Based
[CDS16, Men95, PSF04, STP17, WT11, CTW92]. **GraphDice** [BCD+10].

**Graphic** [DCG87, FG88, TC93, TC94, AS92, DM92]. **Graphical** [Bad93, BW87, Kin95, NM91, Ric87a, ZHC+00, BH93, HR92, dBr93, BFTL82].

**Graphics** [AEW90, AHKS94, AR06, Ano82, Ano84b, Ano88b, Ano92, Ano93, Ano95a, Ano95q, Ano96l, Ano96a, Ano96e, Ano97d, Ano97-29, Ano98b, Ano98c, Ano98-30, Ano03b, Ano03c, AS98, ALCS18, AEL+82, AHR84, ADS90, AJL+11, AMS09, BIMO04, BDS84, Bar06, BET14, BMO+14, BB90, Bla88, BB88, BCD+12, Bou90, BS03a, BS03b, BP82, BP83b, BG85, Bro90, But94, CB09, CON08, CWM09, CTHAM10, Cla88, Cla89, CDD09, DCGG11, Dan90, Dav07, DSS90, Den86, Den03a, Den03b, Des04, Dia84, Duc82a, DJ88, Duc91, DHH02, Duf88, Fra83, Fra83, FS85, Fol98, FG88, Fra83, FR00, FMK04, GS06, GSHM10, Gal84, GC09, GMD10, GD85, Gna82, Gna83, GVV05, GP16, Gos86, GSNH94, Gro01, Han05, HHS89, Her89, HCA+12, HHA82].

**Graphics** [Hew84a, Hew84b, Hew90, HGG+84, HM86, Hdd95, IDN02, JH12, JVS+12, JYW84, KJA91, KPR99, KPL96, KBKL10, Kol08, KDCM14, Kuh12, Kui91, LF10, LC99, LBH12b, Lis90, Mac94, Mae90, MWN+17, MMTH09, MG06, Mar82, May99, May00, MSS+10, MH13, Mic82, Mil88a, MFDA86, Mgd83, Mur85, NYTN87, NMD+06, NSGP06, OIST91, OP10, Owe86, Ow97, Ow88, Ow97b, Ow94, OLG+07, PJ+11, PT010, P87, P88, P91, P11, PC11, RE11, RE12, RSK90, R082, RP98, Sab82, S84, SD+18, Sår07, SCD05, SRH+11, SD94a, Sch98, Sch98, Se94, GYF11, SLG+17, SG03, Sp85, Sta06, SHPS08, Str83, Str82, SOM04, Sus89, TGM12, Tho6, TMHD12].

**Graphs** [APP10, BHR17, BCD+10, Bow90, BHM17, CLW84, FP+16, DvKSW12, DR15, DSL15, EGK08, GY+12, G+14a, GOB+10, HET12, KRD+15, KS13b, KLS+17, KHS12, KS10, Kur15, LBA10, LLW12, LWM+17, MSDK12, MSFM16, NHL16, NB12, OJ15, P+16, PFH+18, Pic86b, P12, P08, RTJ+11, RV10, RMH15, RNF12, S81a, SSKB15, SSK+16, S+18, SAAB11, SBD+15b, TIS+95, TCLK12, TLF16, TE10, VV+08, VBA15, VB17, VM12, WDM+12, WT17, WK17, XDC+13, ZWHK16, vLKS+11, DGR+14].

**GraphUnit** [OJ15]. **GRAPP** [Bar06]. **Grasp** [KS12b, KKT17]. **Grasping** [KAT03a, KAT03b, PG10, ST94]. **Grassmannian** [LJ+16]. **gravity** [Hol94]. **Grayscale** [Cad08]. **Graz** [HK94]. **great** [KGP18]. **Greedy** [CDSS14]. **Green** [SO12, AMS09, CWM09, MMTH09, RIF+09]. **Grenoble** [Ano04b, DL04]. **Grey** [WO94]. **Greyscale** [SLM08]. **Grid** [Ara94, FWPS11, FDH+15, IPK13, KH19, OHBBK09, PTP+15, SSS02.
UBH14, YLHQ14. **Grid-Distortion** [Ara94]. **Grid-Less** [OHBKH09]. **Grids** [AO13, CWA+08, CKM+99, DMYN08, DC10, KBS11a, KRG03, KW18, LD08b, LS16, MS10b, PGKS17, SW05, SCM+09, TSM94, XYM13, ZZS17, Liu93a, Liu93b]. **Grimsdale** [Wil06a]. **Gromov** [CCSG+09]. **Grooved** [BPMG08]. **Ground** [CMF18, SDK+15]. **Grounded** [CBK+17]. **Group** [Ano84b, CDA+14, Duc82b, End84b, GKB12, Mac85, NPCB17, RCB+17a, SSK16, Str84, TYK+09, VBW17, WH17b, AS92]. **Group-in-a-Box** [CDA+14]. **Group-Theme** [NPCB17]. **group-theoretic** [AS92]. **Groups** [CDA+14, DRW15, JPN15, OCV+02]. **Growing** [GMW04, MGB+12, Pas02, WF97]. **Growth** [DKY98, KSG+15, SFS05, YLG+18, DGA04]. **Guaranteed** [GOPT11, TRS03a, TRS03b]. **Guarantees** [KLAB15, BC01]. **Guarding** [YL11]. **Guest** [AR06, JAP10]. **Guidance** [FWX+13, LKZ+15, ZRKS05]. **Guide** [Spe91, TON+02]. **Guide-Map** [TON+02]. **Guided** [BEM11, BRS01, BSMM11, CJFH14, DW13, DBB+18, FMH16, HKW09, HMY01, KP18, KMAB13, KMHG13, SSK16, STR12, ZTH+12, ZTW+12, AVFO4, GD16, HENSYS16, KSL+08, LSLC13, RKR+16, SMH10, VB14b, ZH14]. **Guidelines** [BBMR88, SLB+18]. **GuideME** [ZH14]. **Guiding** [HEV+16, HKW13, MGN17, NNMK05, NC10, WWV17, XM15]. **Gunter** [Ano95s]. **GVE** [Ano97-29]. **GBW** [Man83]. **GWCNN** [ESKBC17].

**HAGI** [HK92]. **Hair** [BCN03b, BCN03a, BPV+09, CBTB16, HMT01, HBLB17, JL18, KB12, MSGT18, OXKP12, PKS11, PTB+03a, RKN12, TFK+03a, WWL+13, WLI+12, ZTW+12, DFH+11, DTKT93]. **HairControl** [MSGT18]. **Hairstyles** [RKN10]. **Hairy** [XTLP02]. **Half** [AMTMH12, BU96, HKD15]. **Half-Space** [AMTMH12]. **Half-toning** [BU96]. **Halftoning** [AP10a, LM10, LCG10, SGBW10, SGW12, SB98, VB99]. **Hallucinating** [ZCW+15]. **Haloed** [FA87]. **Halos** [TMHD12]. **Hamburg** [HHS99]. **Hand** [FLJ+14, KHIK01, LLCZ16, PGGM10, Pud94, ST94, SDC09, TST+15, WWS+15, HR92, SSK07]. **Hand-colored** [FLJ+14]. **Hand-drawn** [SDC09]. **Hand-held** [LLCZ16]. **Hand-Sketched** [Pud94]. **Handed** [SG97, TGS96]. **Handling** [DO00, Edm83, FML06, FM15, GOT+07, HEW15, LPH+15, MFW18, OTSG09, SM86, TL16, TDNL18, TWT+16, WLM09]. **Handwriting** [CLJ+15]. **Handy** [MK99]. **Haptic** [AD+01, FMB+00, HS04, LD03, LD07, MS96b, TCH+03a, TCH+03b, MS96a]. **Haptics** [DYN04, HS04, NC09, SLS04]. **Hard** [ESG01, SWP11, TSK14]. **Hardly** [ASVN00]. **Hardly-Visible** [ASVN00]. **Hardware** [And10, BIMO04, BPW04, Bla88, BS02, BS03a, BS03b, BH15, Cla88, Cla89, CZGF05, DS02a, Den03a, Den03b, DKS01, DL04, Ert02, GI18, IDN02, KZ08, Kau04, KW05, LGB16, LMS04, LMLG15, LMPD15, LH09, Lis90, LCD09b, MPT98, MMF10, NKF+16, OLG+07, RPZ02, SM10, SCD05, SPH+09, SG03,
SDHD17, SOM04, SKALP05, TGM12, VKJ+17, VOS+10, YWB03, Sun92, Ano95a, Ano96a, Ano98-30, Kui91, Sch98. Hardware-Accelerated [KZ08, LMS04]. Hardware-Assisted [MMF10]. Hardware-Based [DS02a, LMPD15, MPT98, BS03a, Den03a]. Harmful [WGS04]. Harmonic [HCW17, LPG10, MKB08, SFL+16, XS06, ZRKS05, KBB+13]. Harmonics [JCJ09, MRCB18, VL08]. Harmonization [LPSB18, MWS+16]. Hashing [CJC+09]. Hatching [USSK11, ZISS04, Bak90]. Hausdorff [CCSG+09]. Having [SM14a, SMAB02]. Hazards [CKS+15]. Haze [Wil87b]. Hazy [BPV18]. HCCMeshes [KBK+10]. HCI [RPA+15]. HDR [BDA+09, DMHS08, EWMU13, GPR+15, MBDC15, MCHAM08, SBB14, SHG+16, SKMS06, TAE15, TAE16, ZBW11]. HDR-Video [EWMU13]. HDTV [Ste85]. Head [MH07, MG95, SS00, TGS96, WRK+16, WO94, DPT+08]. Head-eye [MH07]. Head-Mounted [WRK+16, WO94]. Head-Slaved [SS00]. Head-Tracked [TGS96]. Hearing [RB03a, RB03b]. Heart [PVtHR09]. Heat [AAS17, BJG+15, DLL+10, MGG+10a, OMMG10, SOG09, WPH+12]. Heavier [Sil97]. Height [HMA15, NS09, SN08, TW10, Tim12]. Held [tHS90, Kje91a, LLCZ16]. Helical [KOB+08]. Helices [Ber09, HWAG09, LZSCO09]. Helicoids [PKS11]. Help [HD95]. Hemispherical [MBB19]. Hemodynamics [NLB+13]. Herbs [Ano05c]. Heritage [Arn08, CL99, DCPS08, GBU00, HBRW+12, PPY+16, PSK09, SCP+17, VPP+04, AJL+11]. Heritage [AIL+11]. Hermite [FS08, IYS+13, MGV11]. Heterogeneous [BAAM17, BDF+14, ENSD12, KRD+15, LSS+12, MB99, NG03a, NG03b, RGV18, SDS+16, SHZD17, SMTG07, WWH+10, ZHC+00, ZM16]. Heterojunction [ASB+17]. Heuristic [SSS+12, WGS04]. Hex [GHX+17, GSZ11]. Hex-mesh [GHX+17]. Hexagonal [Liu93a, Liu93b]. Hexahedral [CAS+19, LMP16, XGDC17]. Hidden [FA87, Hea89, HB92, JD98, LS89, MCB16, SD49a, Ska87, Tam82, YLK08, ZDJ16, SDD+92]. Hidden-Line [Ska87]. Hidden-picture [YLK08]. Hiding [WC05]. Hierarchal [YFGL09]. Hierarchy [Ano99m, AMSF08, AP10b, BJCO03a, BJCO03b, BCG+96, BV99, BWPP04, BL18, CSN04, CNKI13, CH09, DHS04, DGV08, Dvt19, FWPS11, FML06, GPGB11, GSA03a, GSA03b, GE98, GRT14, HB96, HSD099, HMB17, Hew84b, HGRS+17, HS98, JRJ11, JGH11, KKS+17, KBK+10, KSS97, LA05, LMM10, LWS18, LHH+13, LL09, MS11b, MPT98, MB97, MBW08, MBJ+15, MB99, NJ04, NSW09, NG03a, NG03b, NPO0, O'H02, PP11, PKPH09, PHL+16, Sha97, SSSS98, SMG10, TF15, UKCB15, VK18, VRBC17, VBBH13, WHB16, WKG88, ZH12, vPJtHRV12, DMP93, GH96]. Hierarchical-Culling [KBK+10]. Hierarchically [CZEO8, HV08, PC92]. Hierarchies [AFr12, BHH13, BM15, CH09, DHH08, DWT+11, GHB15, LAM09b, MW06, MSF00, ND12, SM11, SBE16a, SBE16b, SPF11, VCP09, VKJ+17, VHB16, WO09, WD11, WAF+11, YM06]. Hierarchy
Hierachyless [DGPG05]. HiFiVE [SSSSW13]. High [ABD10, AFK+14, ASH15, BAT11, BAA+16, BEM11, Bel87, BBM85, BBU10a, CKE14, CGG+03a, CGG+03b, CSE18, DDM03, DW13, Den86, DER+10, DMAL10, DAC03a, DAC03b, DDC09, DZTS08, EMP+12, EHH+13, FR11, FAVM09, FGT+16, GLHB09, GO15, GBW16, GPRS14, GBP07, HK09a, HE01, HMS09, HBH18, JPN15, KZ08, KARC15, KK08, KKK18, Kle06, KMS05, KBK13, LCC+17, LTB19, LKZ+15, LWB14, LWT+15, LBJ+16, Los97, LD97, MBRHD18, MSW10, MKV09, MRS08, MHG00, NS01, PSPM12, PK08, PHL+16, PGSS07, RPZ02, REH+11, SBE16b, SHG+16, SGMG17, SGYF11, ST18, SIKDM05, SGG16, Ste85, SKTM11, TTN+13, TM13, TLRB18, TSSP16, UE10, WWV17, WH04, WHL+04, WLN+17, WM5, WW87b, WLI+12, XSE14, ZISS04, ZLYL17, vdcvW16, EMU17, HK92, SHD16, SNLH09]. high-degree [SHD16].

High-Dimensional
[ABD10, AFK+14, ASH15, BAT11, BAA+16, BEM11, Bel87, BBM85, BBU10a, CKE14, CGG+03a, CGG+03b, CSE18, DDM03, DW13, Den86, DER+10, DMAL10, DAC03a, DAC03b, DDC09, DZTS08, EMP+12, EHH+13, FR11, FAVM09, FGT+16, GLHB09, GO15, GBW16, GPRS14, GBP07, HK09a, HE01, HMS09, HBH18, JPN15, KZ08, KARC15, KK08, KKK18, Kle06, KMS05, KBK13, LCC+17, LTB19, LKZ+15, LWB14, LWT+15, LBJ+16, Los97, LD97, MBRHD18, MSW10, MKV09, MRS08, MHG00, NS01, PSPM12, PK08, PHL+16, PGSS07, RPZ02, REH+11, SBE16b, SHG+16, SGMG17, SGYF11, ST18, SIKDM05, SGG16, Ste85, SKTM11, TTN+13, TM13, TLRB18, TSSP16, UE10, WWV17, WH04, WHL+04, WLN+17, WM5, WW87b, WLI+12, XSE14, ZISS04, ZLYL17, vdcvW16, EMU17, HK92, SHD16, SNLH09]. High-Fidelity [DDC09]. High-Frequency [TM13]. High-Level [HHB18, HK92]. High-Order [GO15]. High-Quality [BH10a, CSE18, DW13, FAVM09, GBP07, HMS09, KZ08, Los97, LD97, MSW10, MHG00, REH+11, SBE16b, TSSP16, UE10, BAT11, BEM11, DDM03]. High-refresh-rate [DER+10].

High-Resolution
I-SI [WDM+12], IBRAC [YN00]. Ice [IPK13, IUDN10]. iCheat [OKP+08]. Icons [Ais85, SABG+05]. ICP [TST+15]. Idea [AHKS94]. Ideas [Fuc97]. Ideation [ADN+17]. IDECAP [vVT84]. Identification [HV10, MMNG17]. Identifying [LGK16]. IEEE [Kei04]. IFSs [Hor90]. II [ARC05, ABCJ10, BPM06, BBT+06, BAH506, CD10, CZ08, CBV+14, Dec05, DLS10, DGGP05, DER+10, EKB14, Gar09, GKB09, HWK+10, HHS14, HAWG08, IY10, JCT14, JPC14, KPRW05, KS10, LSN+14, LCLJ10, MK05, MDD+10, PHM+14, PFC05, RTK+14, SPK10, SKDM05, SWG08, TW10, VB14a, VF14, WGO+14, ZSW+10b, ZH14, vdCAvW14]. III [BK05a, CVCH14, GDAU14, HWC+05, JZW14, PSP+14, PFC+05, SPCR14, SLKL14, TPSH14b]. ISPH [CIPT14]. Illuminant [NK14b]. Illuminated [NK14]. Illumination [JS+12, SW09]. Information [ACG+17, AHT04, BCD+13, BRDC12, BEN11, BEEM15, BEJ15, BWS03a, BWS03b, BELD13, BD16, BGB08b, BBL+09, BB12b, BAJ08, BMB15a, BMB15b, CJZW12, CLC12, CSC+18, CAM08a, CAM08b, CAE08, CDPS09, CNS+11, DDM03, DKL10, DDB+09, ENSB13, FD09, FP04, FLBS07, GKS05, GCP+09, GSA03a, GSA03b, GD01, GKD07, GGC09, GJW08, GRR+16, HVAPB08, Hei01, HVVR18, HKK+07, HMS09, HP02, HRBD11, HSL96, IFL13, IDN03b, JL06, JSY06, JMD15, KS13a, KD13, KPD10, KOTO11, KCO8, LddlRB16, LVV18, LWS+13, MTR08, MR17, MBR+13, MSW04, MC10b, NKL10, NWO9, NNDJ12, NS09, NK09, PLPB07, RGG15, REH+11, RDGC12, SSSK04a, SNRS12, STK08, SW04a, SPP01, SYC10, SCCL11, SHD15, SP95, SJ13b, SSS97, SSG+00, SSGM17, SW99, SSSK04b, SK99, SKCA01, TSSdSK13, Tok15b].

Illumination [Tok15a, WGS04, WS03a, WL08, WDC08, WA09, WHB13, WMB15, WWH18, WW09b, XSXM13, XXZC13, XWZB17, YWC10, YW97, YYW08, YIC09, ZSP98, ZZWC16, ZM16, ZZLX17, ZBA07, BPZ96, DF93, PM93, SNJ14]. Illumination-driven [RGG15]. Illumination-related [CDPS09]. Illumination-Varying [LVV18]. IlluminationCut [BMB15a]. Illuminations [NN89]. Illustrate [CRY11]. Illustrating [SEI10]. Illustration [BCD01, CLE07, FLJ14, JBMC10, LKE14, LCUR14, RLMB14, JR08]. illustration-inspired [JR08]. Illustrations [Ano98t, CLME09, DWE02, DWE03a, DWE03b, FMS01, WT11]. Image [ASW14, AAB09, AR06, ABB07, Ano97-31, Ano04c, Ano05c, Ano06c, Ano07b, AR95, ARM15, AHT04, AW07, AGJ12, AEWQ15, AECOK16, BCN11a, BCD13, BEM11, BCS96, BHW11, BCK12, BKP17, BP19, BD04, BMS12, Čad08, ČHM13, CG16a, CJFH14, CRC15, CSD11, CJZW12, CG16b, CPZ15, CCTL12, CNKI13, CY02, CDPS09, CL09, DTV15, DRA10, DD017, DDV02, DSH17, DJZ09, DMC03b, DJM12, Dn04, Edm83, EWMU13, EKFM12, EKIM16, ESK03a, ESK03b, FMB00, FCH06, FP04, FCOI00, FDH15, FACO17, FLW00, GMY97, GMLMG12, GO15, GCW15, GH01, GW07, GD10, GTK12, GVD06, GCL06, GLGW12, HK09a, HW16, HA11, HDL11, HFM16, HM15, HCA12, HH02, HFE13, xHMC09, HZF10, HZZ11, HZMH14, HWL18, HCG08, HGH11, IEH14, IEK14, IEKLM16, IY10, Jes16, JESG12, JWL13, KS13a, KL08, KM96]. Image [KFG09, KWS13, hKAC07, KSL08, KS10, KrJC11, KGAC15, KKL16a, KS07, KKD09, KKI1b, LB06, LW95, LG19, LD06, LL01, LCC13, LV18, LAA08, LJH10, LZL15, LWL16b, LB19, LCG10, LJZX15, LEE17, LC13, LW16, LSW16, LSZ18, LLB10, LYP08, LWX09, LLX11, LCUR14, LS15, LMGH13, LLSC13, Lut02, MWS16, MEMO14, MTM12, MVZ16, MFPA15, MNP17, MG87, MA91, MZT09, MG95, McN01, MTP08, MKU15, MJL13, MRS12, Ml06, MSK06, NMP98, NLED08, NNRS15, NPCB17, NWS09, NPW10, NBA18, NRE14, OS08, OA011, PPW18, PWS12, PRS89, Par89, PCK09, PSHZ15, PR011, PK15, PBC16, PB90, RGW05, RvBRW04, RWW16, RK116, RSD12, RBD018, RTN03a, RTN03b, RMS08, SMH10, Sal96, S996a, SG05, SK10, SZC13, SD09, SC10, SSCO09, SO12, SHJ16, SDK15, SC08a, SPK10, SKWL13, SL09, SL09b, SJ13c, SGEM16]. Image [SLAM08, SPT14, SW04b, SPSK13, SGSP15, SFLP18, TE09, TO97, TRK12, TE10, TTW90, TDD18, TSP05, TZZ11, TMM11, TCGK15, TW96, VSD09, VCL11, VSG13, WP102, WH04, WL08, WZH13, WKM15, WWG07, WOC008, WS208, WVL13, WLC13, WKG85, WHL10, WMT05, WC02, XM09, XL10, XXZC13, XTJ07, XGL07, WW09, XSQ13, XADR13, XWT08, YXX14, YWC10, YZL17, YD88, YLD18, YN00, YLH14,
ZCW$^{+15}$, ZCHM09, ZH12, ZCZL13, ZZH15, ZCF$^{+13}$, ZJ18, ZFJ$^{+16}$, ZLZ$^{+18}$, vdCvW17, DZD$^{+16}$, Hor90, HHS14, Koc93, LW92, VL93, HRRR18].

**Image-Based**
[CSD11, CDPS09, DJZ$^{+09}$, FCOL00, GHH01, GD10, HK09a, HCG08, LLB$^{+10}$, MRS12, MSK06, NLED08, OS08, RMS$^{+08}$, SLCZ09, TE10, VSD09, VCL$^{+11}$, WLM13, XWT$^{+08}$, YN00, BP19, CYJ02, Dut04, KRR$^{+16}$, RBDD18].

**Image-Guided** [CJFH14].

**Image-Space** [AHT04, GW07, NSW09, NPW10, SGEM16].

**Image-Swept** [WC02].

**Image-to-Geometry** [CDPS09].

**Image/Video** [DRA10].

**Imager** [AVR10].

**Imagery** [ACA18, BPBD08, Han05, LTK12, MK11, Hol94].

**Images** [ABD10, AVR10, AO86, AO87, AO89, ARM$^{+15}$, AECOK16, BKB$^{+12}$, BKY$^{+16}$, BBAM12, BRWM18, BBPV03a, BBPV03b, BSVS04, BAHS06, BE95, CHM$^{+16}$, CJXH17, CLHL08, Chr86, DZD$^{+16}$, DPLO00, DJM12, EIKM16, FACO17, GMLMG12, GEZ$^{+17}$, GPRS14, GG15, HLM97, HMT91, HM15, HK09c, xHM09, IEKM16, IRWM17, Jes16, JBS$^{+06}$, KKKJ16, KF1AS01, KWSH$^{+13}$, KO88, KLTZ16, KLD$^{+09}$, KG18, KMS05, KUC16, LJKL14, LM15, LJJ$^{+18}$, LEE17, LCZ99, Lie17, LCUR14, LMLF15, LDY10, MES$^{+11}$, OVB$^{+15}$, PK10, PH17, PK15, PNVS17, RGW05, RLH$^{+17}$, RWSP88, RWSG13, RM89, SKMS06, SLTM08, SKWL13, SLKL14, SLAM08, SPSK13, TM13, TX16, TAE16, WW17, W002, WKM15, WSBZ08, W090, WOBT09, WCM15, XRS$^{+15}$, YCL$^{+17}$, YFWR11, YMMS06, ZR96a, ZCW$^{+15}$, ZHM08, ZZH15, ZLYL17, ZJ16, ZVE$^{+14}$, BYB09, CFT86, FLBS07, HG92, PC92, ZR96b].

**Imaging** [BB14, CVCH14, CHA$^{+14}$, DKR$^{+14}$, EKB14, HHS14, JCT14, PHM$^{+14}$, PSS$^{+14}$, SBB14, SPCR14].

**Immens** [LJH13].

**Immersive** [FFN18, Fuc04, Kun04, MSWK02, MCG$^{+19}$, RvBWR04, SPV$^{+10}$, VGSS04].

**Immune** [HPvU$^{+16}$].

**Impact** [BJA$^{+15}$, CCH$^{+14}$, Sav07, SHK15, WBFvL17, ZLMM16, VW91, ZLM$^{+15}$].

**Impaired** [RB03a, RB03b].

**Imperfect** [BBH13, JKL$^{+16}$, REH$^{+11}$].

**Implementation** [Day90, ELM$^{+83}$, FBW01, IABT11, Mae84, NB94, OP10, PL94, SC84, DDR93, NS93, VW91].

**Implementations** [End84a, WH89, MMAG93, End83a].

**ImplemenTer** [MN87].

**Implementing** [Ara94, AH95, SPS94], **implements** [MS93].

**Implicit** [AG01, Ano95b, BDS$^{+03}$, BBCW10, BTG95, CBS96, EBGM12, FJW$^{+05}$, FAT07, GMW04, Har97, HJ99, KHH$^{+09}$, KFA$^{+10}$, LWP$^{+04}$, Li07, MS10b, NO09, OTSG09, PP11, PGBT18, RRS97b, SKZF11, SYC10, SH09, SS96b, TDF$^{+15}$, TSYK01, VCC$^{+11}$, WSC06, WKB18, WGG99, ZLKW13, dGWB$^{+14}$, DTG96, Guo93, KHR02, RRS97a, VG96, dS96].

**Implicits**
Importance [CLH+08, CAM08b, CAE08, GKPS12, Hdi14b, HEV+16, HH10, JCC09, KS11, KC08, KF12, LGP13, MW11, MMP08, NNSK99a, OKX12, SHSK16, SWB98, SB98, SSSK04b, SKS09, WA09, WK12b, PM93, RRS12].

Impossible [CLH+08, CAM08b, CAM08b, CAE08, GKPS12, Hdi14b, HEV+16, HH10, JCC09, KS11, KC08, KF12, LGP13, MW11, MMP08, NNSK99a, OKX12, SHSK16, SWB98, SB98, SSSK04b, SKS09, WA09, WK12b, PM93, RRS12].

Important [CJW+09, LLY09, WDR09].

Impossible [SDG99].

Impostor [ABC+04, HMDO05, SDB97].

Impostor-Based [ABC+04].

Impostors [ABB+07, ABCN10, O'H02, PMDS06, SKALP05, DSSD99].

ImPrEd [SAAB11].

Impressions [Ano97-32, Kid82, RSD+88, Wat82].

Improve [HBO+10, OAJ14, OP10].

Improved [CWY11, CSS18, DTA94, FC10, HKD15, Jes16, LLA06, LW18, NPDD11, NC10, NMR+18, PR12, RSSL17, SAAB11, VMM99, W02, WZK16, ZHLW18, ZHD18].

Improvement [AMR+17].

Improving [Bik12, CCI13, GKB+11, GLGW12, HLS12, HL14, HR87, LYG15, LS15, MSSK08, MHD16, NBCW+11, Ren16, SHD15].

Impulse [BW00].

Impulses [Ye08].

IMUs [vMRBPM17].

In-Class [BB07].

In-Core [Bik12].

in-Front-of [CCC+14].

In-Kernel [HLJ+13].

In-Out [MTR08].

In-situ [WAF+11].

Inaccurate [SPSK13].

Inbetweening [WNS+10].

Incident [NMNP98, UGLY08].

Including [Sch00, KJ92].

Inclusion [JFS09].

Inconsistent [HHCJ18].

Incorporating [AMS16].

Increase [SSKB15].

Increasing [HHNC19, LTC18].

Incremental [COF95, GD01, GM96, HK87, KQWM08, LM96a, LM96b, LSR17, MW16, PPT+19, SL89, TP88, VCP09].

Independent [BPMG08, Chr86, KKS+12, LMLG15, MSWI12, ME04, NG17, NPWI0, PGG+09, SVLL10, SB15, YHGT10, KMA05, NB12].

Index [Ano98m, Ano98a, Ano04h, Ano05f, Ano06f, Ano07f, CRGZ10, DLGY12].

Indexed [Owe86, Owe87, Owe88, Owe89b, Owe94, Spe91, Owe90b, Owe92a, Owe92b, Owe93, Owe95].

Indexing [AKMM11, GPD09, MAM14, WCB15].

Indicator [MSS11, WPH+12].

Indices [SBL17].

Indirect [BHR17, BBP08, CIC12, CNS+11, GLCC18, GW10, WK10, LWDB10, OKP+08, SP01, Tok15b, Tok15a, YWC+10].

Individual [SSSB07, SK16b, ZK09].

Individualized [WL10, DPT+08].

Indoor [FML06, KMHG13, LTX+14, SL14, WCM15, MP+14].

Induced [GG17, RCMA+18].

Industry [ML91].

Inexpensive [ACV+14, HAML05, Sch94b, WH04].

Inextensible [SHCB15, Ye08].

Inference [SBC14].

inferred [ZLDM16].

infinite [SKK+14b].

Inflation [GHB+17].

Influence [Fra83, SPR+94, SF92].

Information [Ano11a, Ano11b, Ano12a, Ano12b, Ano12c, Ano13c, Ano13d, Ano13e, Ano14a, Ano14b, Ano14c, Ano15i, Ano15g, Ano15h, Ano16j, Ano16k, Ano16h, Ano17i, Ano17j, Ano17, Ano18i, Ano18j, Ano19b, BBR+16, BKB+18, BSG+95, BMB+18, BRB+13, CDPS09, DAF+18, DCPS08, DCG87, FdABS99, FFN18, HPK+16, HDM98, JEO00, KCB97, ML17, MSK14, PCS94, PAG17].
Information-Based [XWY+15]. Information-Theoretic [BRB+13, ZC18]. Informative [FDH+15, NO17, SOG09]. Informed [FBT99, ZCC14]. InfoVis [BNRS13, HSBW13, vdEvW13]. Infrared [WDC+08]. Infrastructures [BAA+16]. Inherent [WJDZ14]. Inhomogeneous [RZLG08, SKTM11, SKMG+17, SKMS18, YIC+11, ZSL+17, PCF05]. Initial [DDtR94, IOI06]. initialization [SKSK07]. InK-Compact [HLJ+13]. Inlay [SG08]. Innovation [Kin95]. Inpainting [LZL+15]. Input [ADJ+01, Dvt90, GM96, Ros82, Ros83, Rus01, SAHt91, SPSK13, van90, vt87, FZP92, FS92]. Inputs [LLCZ16]. Inquiry [End83a]. Investigation-Based [MLP+10]. Integrations [RLH+18]. Intelligence [LPsv14, Ter02, TMT86]. Intelligent [Arb90, BBW+09, EPAS11, Kw89, MS96a, MS96b, OIST91, PJJ+11, RL84, SRH+11, SGGY11, VBP+09, YMO9]. Intended [CS16]. Intensity [BG09, CS98a, MHG00]. Intention [CLHL08]. Intention-based [CLHL08]. Inter [LTC18, MTKO02, PDW+14]. Inter-author [LTC18]. Inter-Comparison [PDW+14]. Inter-reflection [MTKO02]. Interacting [LJL+18, RSW+97, WC14, YLD07, YLCH18]. Interaction [AHM09, BW87, BRM+16a, BRL09, BCF94, BG07, CTL13, CLE07, CYI+12, CN05, CKE+12, CG07b, DMKP07, Duk95, FJW+05, FR00, GEY12, Han97, HSH16, Hid89, HDD+12, IEGC08, JH15, JR08, KKTD17, KGP+12, KB04, LL01, LNS05, LF00, LAFT12, MSM+08, NW13, PHTB12, PL94, PIWB98, RSM+16, RBG08, Ros82, RPA+15, RSKN08, SS16, SS95, STD09, SG97, TCLK12, TGS96, VGSS04, WLL+17, WKG85, YLH92, YBK+12, ZCK17, ZK09, vD98, vt87, BH93, DH93b, EFGS96, FS92, Gue82, Kje92]. Interaction-Dependent [RBG08]. Interactions [CTL13, DMYN08, HS04, SGSP15, VH+18]. Interactive [Af12, AGG+08, ARH12, AYLM13, AGDJ09, An98d, AG06, ATF12,
Bar06, Kun04, Suz89, van89b, ACM80, Enc81, Van80, WG82, tH83a, Sei88].

Internet [Wat96]. Interpolant [dD85]. Interpolating [Nas03, BBA08, KS92, KFK94]. Interpolation [AW00, BAU05, CRC†15, CLT†08, CK84, CsC18, DKW94b, DF90, GCLX17, GP16, HCSC16, KMK12, KB89, LAA08, LKSD17, MCH13, Nar95, NC16, PCBL16, RC18, RF96, RZLG08, Rok97, RSC01, RSK10, RSK13, SV14, SW08a, SC16, SLAM08, SW04b, WWL†13, WDAH10, YYL†16, YFW12, YR97, EMK09, FS08, STM93]. Interpolatory [GBP05, Kob96, LG00, LMB05, LM07, SLLW08, WM09]. Interpret [LMA†18]. Interpretation [BP83a, ZLDM16]. Interpreted [van89a]. Interre
cnection [NN89, KJ92]. Interre
cnections [PLPB07, RK09b]. Interrogation [Elb95, HHB93]. Interrupted [AAS†16]. Intersecting [KJT14, SJP†13, Ska87, Sug94]. Intersection [ML91, NHH97, PT03, SN84, GA93, RRS12]. Intersections [CK10b, CCC17, FB94]. Interval [Büh01, KHK†09, LJKL17]. Interventional [RWS†10]. Interventions [KFR18]. Intervisibility [Tim12]. Intrinsic [BKPBI7, BEK15, DMA02, DSH†17, GMLMG12, GEZ†17, GUS12, KLCF10, LVV18, OSG08, PBB†13, SBC14, SBCBG11a, TBW†11, WH17b, ZHH†15, DZM08, YDT†18]. Introducing [LM93]. Introduction [APH†12, van82]. Introductory [TLM16]. Intrusive [YHL†16]. Intuitive [BCB†15, CGS16, HK09a, MG09, PSK09, RPM13, WVVV08]. Invariant [BV19, CIE†16, Her89, MS93, ZBQC13]. Inventor [WHR07]. Inverse [ALCS18, BLD†09, BS98, CC08, GMW04, HSmyC13, HWF†17, LP95, MMP09, McC96, MBBT00, Pp05, PHL91, RSC01, SBM†10, SPK†14, ZHQH17, BT92]. Inverse-Kinematics [RSC01]. Inversion [CRW09, Gda17, GT16a, LGZ†16]. Inversion-Free [LGZ†16]. Inverted [HSK14, HSK18]. Inverted-Pendulum-based [HKS18]. Invertible [ZZL†17]. Investigating [Ros13]. Investigation [BBJ†18, TSYK01]. Investigative [WMS†08]. Invisible [RNLL10]. Invited [Ake11, Ano08c, Ano09b, Ano15a, Baj03a, Col05, Coo05, Des04, Dut04, Ede06, Fuc04, Han05, Jen07, KLe06, Kob03b, Pos11b, Pur03a, Sär07, Saw07, Sta06, Thi11]. iPCA [JZF†09]. Ireland [Che06, HP95]. Iris [LB06]. Irradiance [BGB08b, JZJ08, JR16, KV8†14, MRMH12, MC10b, RCB11, SikkD05, Ure00]. Irregular [AKSA09, BV09, CK84, DC10, GP87, KMD†17, MCHW18, NOS09, PGKS17, RSK12, WW99]. Irregularly [DLC05]. Irreversible [KFR18]. ISHair [OXK12]. Islamic [AS92]. Iso [BH3U10b, FKR16, GE98, Ano84b, Bak91a, Bon85, Gal84, tH83b]. Iso-Contours [FKR16]. Iso-geometric [BH3U10b]. Iso-Surface [GE98]. ISO/TC97/SC5/WG2 [Gal84, tH83b]. IsoMatch [FDH†15]. Isometric [AE97, Fiu05, GSTOG16, HAWG08, OMMG10, SY11, SY12a, SY13, TSB16, ABCJ10]. Isometry [CBS17]. Isometry-Aware [CBS17]. Isosurface [BM10, CL03a, CL03b, HB94, LCD09a, LCD10, MMFE08, MRL10, PWH98, RW08, SBD15a]. Isosurfaces [BW13, CGT†15, CWA†08, Gro16, HSS†05].
MS10b, MJC01, OB01, PRW11, The02b, WLS13. **Isosurfacing** [LCDW16]. **Isothetic** [JA95]. **Isotopic** [DLRW09]. **Isotropic** [CCW12, CR16b, DLY+18, YLL+09, ZWY+13]. **Isotropically** [LW17]. **Issue** [Ano11a, Ano11b, Ano12a, Ano12b, Ano12c, Ano13c, Ano13d, Ano13e, Ano14a, Ano14b, Ano14c, Ano14i, Ano15i, Ano15g, Ano15h, Ano16j, Ano16k, Ano16h, Ano16i, Ano17h, Ano17i, Ano18i, Ano18j, Ano19b]. **Issues** [Kin95, Pat95, Pur03a, Pur03b, Sco02, vJB85]. **Italy** [ACM80, SvZ95, SP06, MRS06]. **Items** [vdCvW16]. **Iteration** [Gda17, SK99, SKCA01]. **Iterations** [DHI+15, Szy91a]. **Iterative** [BTP13, BMS+12, SBC16, SG08, WH17a, YYL+16, MRL10, TBKP12]. **IV** [BK05b, JKS05, WC05, ZRKS05]. **iVisClustering** [LKC+12]. **J** [Cal07]. **Japan** [FMK04, Mik82]. **JAPE** [SNLW01]. **jets** [KGGP18]. **Jitter** [Kla00]. **Jittered** [CKK18]. **John** [Duc06b, Duc07, JW01]. **Join** [Ano95t, Ano95u, Ano95v, Ano96m, Ano96n, Ano97-33, Ano97-34, Ano97-35, Ano97-36, Ano98z, Ano98-27, Ano98f, Ano94d]. **Joint** [HGO18, KVD+10, yKL08]. **Jointly** [DTV15]. **Joints** [MCJM18, TE18]. **Joy** [JC09, SDC09, WBCG09a]. **Julia** [FMK04, Kon06, LLD05, LLRD07, SCA04]. **Junction** [RT08a]. **June** [Ano07j, HP95, HK94, ID10, Kei04, KSH04, Kon06, LMD04, MJ98, Oll04, PB95, PS96b, SZAB04, SP06]. **Jürgen** [Duc06a]. Just. **Just-in-Time** [WSCP13]. **kaleidoscopes** [PR93]. **Karner** [Ano06c]. **kd** [VHB16, PGSS07, SR19, SSK07, XL10]. **KD-Tree** [PGSS07, XL10, SSK07]. **kd-Trees** [VHB16, SR19]. **kDet** [WDZ17]. **Kelemen** [Ano04c]. **Kelp** [DvKSW12]. **Kernel** [AAS17, BS08, BLTD17, Enc98, GUS12, HLJ+13, HET12, OMMG10, ÖGG09, WGBS18]. **Kernels** [AAS17, BS12a, BLTD17, CG16c, LJC17, Pat16, Pat17, Ros13, Rus11, SR14]. **Key** [LLD10, PZDD19, ZC18]. **Key-Pose** [LLD10]. **Keyframe** [MAA+09]. **Keynote** [McC11]. **Keyword** [Owe86, Owe87, Owe88, Owe89b, Owe94, Col93, Owe90b, Owe92a, Owe92b, Owe93, Owe95]. **Keyword-Indexed** [Owe86, Owe87, Owe88, Owe89b, Owe94, Owe90b, Owe92a, Owe92b, Owe93, Owe95]. **Killing** [SBCBG11b, BCBSG10]. **Kinect** [WZ15]. **Kinematic** [BSK+13, KVD+10, BT92]. **Kinematics** [ALCS18, Col05, HSmCY13, HWF+17, KOB+08, MBBT00, RSC01]. **Kinetic** [PB07]. **Kit** [HHH12]. **Klingler** [SSA+08]. **Knit** [DS02a]. **Knit-Wear** [DS02a]. **Knits** [DPT+08, IIS08, PZY08, WL08]. **Knitted** [ME98]. **Knitting** [IIS08]. **Knot** [KSD14a]. **Knots** [ST08]. **Knowledge** [KARC17, PZDD19, RA94, vKTS+11]. **Konrad** [Ano06c]. **Kubelka** [ARC05]. **Kubelka-Munk** [ARC05]. **Kuwahara** [KKD09]. **L** [CBSF07, ŠBM+10]. **L-systems** [CBSF07, ŠBM+10]. **L4RW** [XLL+10]. **Label** [BV09]. **Labeling** [BRL09, LCHB12, XXLX14, YLD07, SNKS09].
Learnt [SM14b]. Least [BGS10, KBS11b, MS10a, MGB+12, PSPM12, SB99a, KBÖ+14].
[BTS+17b, BCN11b, HHH12, LE13, LK17, LZQ13, SMSL17, SDHL11, ZZ17].
Lens-Flare [LE13]. Legs [SSM12]. Legacy [XZP+13]. Legends [GKB12, RLP10].
length [FND92, JZW14]. Lens.
[AYWM14, PSCN10, SDG99, GTZM10, KMA05, LS10b, OM01, TO97].
Limbs [Neb00]. Limited [DBLW15, KPS+14, MTCT84, MW18b].
Limited-Size [MW18v]. Limiting [MYLZ16, TPS09]. Line
[ABCJ10, AKMM11, BBB+18, BZBM+16, BD16, CML+12, Che97, CW99, 
Elh99, FA87, Gos89, GM96, HL02, KPiAS01, KWÖG18, KER+14, Kuz95, 
LKEP14, LNJ02, LSZ08, LLW12, MHDG11, Nie95, PGG+09, SVG+08, 
SC08b, SHZD17, SMJ17, Ska87, SJW+11, Tim13, VCC+11, VW90, WJB+13, 
WESW17, WT11, XSQ13, vKB94, DZD+16, Day92, FND92, GRT14, 
HNJ+14, Kra92, SDD+92, WGB+93]. Line-Based [WESW17, VVC+11].
Line-Sweep [Tim13]. lineage [PKE15]. Linear
[AJC11, AGJ12, BIMO04, BF09, Ber09, HK12, HP04, IGMK+16, 
LA11, LBH12b, LFW11, LWY+11, LBJ+16, Nar95, NCKG00, ÖGG09, 
Rok97, SSSB07, SSB13, TT95a, TLRB18, TE18, WLT12, WLN+17, WSSC11, 
YWZB17, YYL+16, YR97, GSC18, MJBC13, RAMG15]. Linearised [Ben94]. Linearization [HD02, LP15]. Linearly [PGBT18].
Lines [AGCO13, BBW+09, BB99, CS16, CPK09, DS05a, GTG17, KSD14a, KGM+10, 
Liu94, MBES16, MSSK08, ORT18, OV10, Par86, RWPP88, SWPL08, SGRT12, 
SP03a, SP03b, SEI10, Tam82, WW87b, ZCQ+09, DMP93, Liu93b, vKvLV11].
Lines-of-sight [AGCO13]. Link
[BHR17, Bak91b, DRW15, GEY12, SSK16, SBD+15b]. Linked
[RSN+16, YHGT10]. Linking [IF09]. Linkless [JJC+09]. Linköping
[Fah85]. Links [SSSS98]. Lip [DBB+18, KK07]. Lip-Synch [KK07]. Liquid
[ATW15, FAW+16, GBW16, HK03a, HK03b, SWT+18, UHT18]. Liquids
[MMS07]. Lisbon [Req86]. List [MGAF95, YHGT10]. Listener [BMD+08].
Literary [CWG11]. Literature [CY11, Owe86, Owe87, Owe89, Owe94, 
Owe99, Spe91, SJB+17, OKK13, Owe90b, Owe92b, Owe93, Owe95].
Live [BBIG17, DJZ+09, PKE17, SFLP18, ZZCJ14]. Live-Wire
[APM+11, MB99, SHQL18]. Lobe [Tok15a]. Lobe-Aware [Tok15a]. Local
[AGM+06, BCD+13, BDC18, BBA08, BJA+15, CCI08, CSG+18, CAM08a, 
DG08, DD+13, EZK08, GKB+11, GAK10, GKM08, HW16, HCD18, 
HDL11, HLL+12, ITY09, KRG03, KC08, LAA08, LZL+15, LZFH18, LCG10, 
LZX+08, MTR08, Mal00, MKB+05, MSK06, OTH02, OS08, PR19, PB11, 
PZ08, PCHR89, PD16, PPH12, RHC08, SBE19, SKNSS15, SKZ13, VS10, 
VK18, WHS+18, WCB15, WHCO08, ZHLW18, ZWRH14, ZFJ+16, ZR13].
Local-to-global [ITYY09]. Local/Global [LZX+08]. Locality
[Bik12, KFK94]. Localized [CHM+13, DSC09a, DL10b, GKS00, 
HYZ+14, MRCB18, WLZ17, BMM+15]. Locally
[IFL13, JHT14, KLF+09, MS11b, NP00, SKPS13]. located [IF09].
Location [vDHO16]. Location-dependent [vDHO16]. Locomotion [BV19, 
ECN14, GCY+14, HKG06, HKS18, KRFC09, MSZ+18, WPP13, vBE11].
Locus [SPT14]. LOD [DC010, GW07, KDCM14, GWY08, BP13]. LoDs
[LN17]. **Logarithmic** [DMAC03a, DMAC03b]. **Logical** [vt87]. **London** [ID10, AYWM14]. **Long** [KTW+13]. **Long-term** [KTW+13]. **Longest** [HB00]. **Looking** [JKL+16, MBM13, MIW13, NSRS13, SHD16]. **Lookup** [RW08, SZG93]. **Loop** [LWY08, SLLW08]. **Loops** [Pic86a, SLWSS15, TSK14]. **loose** [BR96]. **Loosely** [BCN03b, BCN03a]. **LOP** [LW18]. **Lossless** [PHK+10, TW96, VCP09]. **Lossy** [DDPL00, DDV+02, VP11]. **Loughborough** [Mum86]. **Louisiana** [CSLG10]. **LoVis** [ZWRH14]. **Low** [ACKM16, BDA+09, BCCS12, ESKD14, GLHB09, HK16, KVS+14, KHKS12, KWN+14, KSS+15, KKR18, LZL+15, LZFH18, MBRHD18, PWP08, PCX+18, ST18, SJF11, Tim12, VCRG14, WXL+13, ZFE16, ZFJ+16, RCM+01]. **Low-Anisotropy** [PWP08]. **Low-Complexity** [Tim12]. **Low-Cost** [ACKM16, ESKD14, ZFE16]. **Low-Discrepancy** [PCX+18]. **Low-Level** [KVS+14, KWN+14, VCRG14, HK16]. **Low-Memory** [BCCS12]. **Low-quality** [WXL+13]. **Low-Rank** [KHKS12, LZL+15, LZFH18, SJF11, ZFJ+16]. **Lower** [GKS00, RGW05]. **Lukas** [Ano06c]. **Lumigraphs** [SHS99, SMS01]. **Luminance** [ARM+15, DKYN96, KRM+15, MBDC15]. **Lyapunov** [GKT16]. **Lyra** [SH14b]. **M&M** [KWS16, LGZ+16]. **Maastricht** [TT95b, Ano95j, Ano95k]. **Machine** [AHM09, AO86, AO87, ERT+17, KK07, NYTN87, XLLX14, Gue82, NW91]. **Machines** [Bij87, SSB05]. **Macintosh** [Moh87]. **macro** [Guo93]. **Macroscopic** [BG89]. **Made** [BWPP04, CY11, PGGM10, WXL+11, FCS+16, LT17, HD95, VR95]. **MagicSphere** [CMS94]. **Magnetic** [BSW+12]. **Magnification** [BD07, LZQ13]. **Magnitude** [RAP08]. **Mahalanobis** [CG16a]. **Maintainability** [BGAM04]. **Majorization** [KHKS12]. **Makes** [AYWM14, CAH00]. **Makeup** [BBIG17, SRH+11]. **Making** [BKB+12, BBAM12, Bij87, BMPM12, CCC+14, CCH+14, Coo05, HBA12, Lew94, REH+11, YIC+12, ZZH15, ZCKB12]. **Man** [FCS+16, LT17, WXL+11, van82]. **Man-Computer** [van82]. **Man-Made** [WXL+11, FCS+16, LT17]. **Management** [BW87, BMPM12, BBS+09, DHC9a, End84c, Fis98, HSK+10, Mac85, PF90, WDC+10, WKS+14, CFT86, DSS90, Sas92]. **Managing** [HH801, Her84, MGB14]. **Manchester** [WG82, HHA82]. **Mancunian** [Ano96p]. **Mandatory** [GST12]. **Manhattan** [LWB14]. **Manifold** [BSJ08, BEJM15, Gro16, HDF15, LCM+09, LCY+11, MRCB18, NVT+14, RRP15, S0a09, SHPS08, VL08, WL10, FR92, SAH+91]. **Manifold-Based** [WL10]. **Manifold-valued** [SHPS08]. **Manifolds** [AH11, AAS17, DGGP05, GE04, KJT14, LDR09, MGB+12, MDP08, RLB+19, SSN18, EZK08]. **Manipulating** [CCI+07, DKR+14]. **Manipulation** [AAB09, Ary84, BYL16, BEKB15, Czy11, CC00, CKHL11, DQ00, EDPB15, FHW+11, GKB12, GCZ+12, HZT10, KAA03a, KAA03b, KKSS15, LTK12, LAFT12, LGZ+16, MRM+18, MCG+19, NSRS13, OVB+15, PIWB98, RHL12, SSB08, SD09, ...
SSCO09, SDB97, Sn95, STD09, TBW11, WK12a, YFW12, ZCG98, ZFCO+11, ZHH+15, van90, vKTS+11, vL90, FF93, RGB+14.


Manufacturing [BKB+12, GBL85, HMA15, RGM85]. Many [DKH+14, HVAPB08, HREB11, KBLE19, LCDW16, NIDN16, OMW16, PPD98, SHD15, WKS+14, Mac94]. Many-Core [LCDW16]. Many-Light [DKH+14, HVAPB08, NIDN16, SHD15]. Many-View [HREB11, KBLE19]. Manycore [KWN+14]. ManyLoDs [HREB11]. Map [And10, BJG15, BLP10, BS12b, BD04, CDM+17, COC15, CRAM+17, DGP17, DLL+10, GAWJ15, HMW+15, HCSC16, HO17, KKBL15, LRB17, LBB14, NC16, NO17, OMMG10, OHG11, OMPG13, BKS15, SBE16a, SBC14, TON+02, WLZT18, WLYL12, ZDJ16, Dec05, PCBL16]. Map-Based [HREB11, SSBK15]. Mapped [BJGW09, SKMS06, TCRS00]. Mapping [AHMAM15, AASB14, Ara94, AE97, BLD09, BLS12, JR11, JZ08b, JKL16, JBS+06, KH02, KB12, LMD15, LWS+16, LP95, MS12, MK99, MP12a, ML17, MBDC15, MGC+16, NC16, PDP+15, PHL91, PR12, SWP11, SS08, SC10, SFY10, SSS06, TJ15, SSSK04b, SKU08, UMM+10, WSG04, WQ12, XWZB17, YFGL90, YDF+10, YD88, YMM06, ZFE16, ZHLW18, EMU17, GSC18, Hal99, MS08, MMTH09, NG92, RTK+14, SSGM17]. Mappings [ARLC13, AVBC16, CG16c, JHT14, LA11, NMR+18, SHF13, SKPS13, SBC16, VMTS10, WBCGH11]. Maps [AAB+10, AHL+06, BTB02, BCD+13, BB13, CRCA11, BBL12, BM10, CG17, CBSS17, COS95, CKS+16, DLGY12, DF90, ESKBC17, EBC17, GBKS18, HG13, HCO18, JSLW14, JHT14, KFLCO13, KMK12, LT16, LG95, MR17, MI17, MRMH12, MSW04, NAS07, NBCW+11, OBCCG13, PWC+09, PRL+12, REH+11, RLB+19, SVLL10, Sch01, SBC16, SMDS15, SBC14, SBYF11, SEA08, SGB+12, SGB13, TBP18, Vax12, WGBS18, WM12, WLS13, WRD09, WTH+13, WNO9, YJD+18, YMYK14, YK08, ZHM08, vKZ13, FRC+05]. March [Bar97z, Ano97-28, PS10]. Marching [AG01, DZTS08, HWC+05, LCDW16, Mun14, PWH11, RW08, RHv95, SW05, The02b]. Marine [DTA94]. Mario [Ano06c]. Marker [MMM07, YLD07]. Markerless [PG08, SSKS07]. Markers [FBW01]. Market [PP89, tHS90]. MarketAnalyzer [KMJE12]. Markets [ST18]. Markov [MCB16]. Marmitt [Ano07b]. Mask [FO12, SL08]. Masked [BN15, HHGJ15]. Masking [TMHD12, WP02]. Masks [DS05a, NNMK05]. Mass [GKKT13, GT15, HH98, PP89]. Mass-Dependent [GKKT13]. Mass-Spring [HH98]. Massachusetts [LLRD07]. Massive [BGAM04, BN12, ND12, PC12, TRAW12, WLML99, ZFAQ13, ZFA+16]. Massively [VBH13]. Massless [SL07]. Matching [AYWM14, AAB09, ATCO+10, AVBC16, BLP10, BS12b, BD04, CDM+17, COC15, CRA+17, DGP17, DLL+10, GAWJ15, HMW+15, HCSC16, HO17, KKBL15, LRB17, LBB14, NC16, NO17, OMMG10, OHG11, OMPG13, BKS15, SBE16a, SBC14, TON+02, WLZT18, WLYL12, ZDJ16, Dec05, PCBL16].
PCBL16, PSO18, RF96, RvBWR04, RRP15, RKN10, SPD07, SY11, SY12a, SC16, SXY +11, SM14b, SL11, SBM +10, SCF10, TMRL14, TBW +11, WH04, WSSC11, XXZC13, YYL +16, ZYF13, ZST +10, ZFCO +11, vKTS +11, vKZH13, CCFM08, DOS93. Matchings [LB19]. MatchPad [LCP +12].

Material [AGDJ08, ABB +07, BCRA11, Cal96, DHI +15, FHHJ18, FVHK17, GOPT11, GMM +12, KDCM14, MRMH12, MSHD15, MC10a, NRM +12, NSRS13, ON05, PCDS12, PR12, RLW09, SPN +16, SSN18, SKSS14, WWG07, XGL +07, XWT +08, YZXW12, YWM15, ZYF13, ZST +10, ZFCO +11, vKTS +11, vKZH13, CCFM08, DOS93].

Material-aware [YWM15]. Materials [ABW +15, ACOM12, BCRA11, Cal96, DHI +15, GSDC17, HCJ13, HS17, KPD10, LLD12, LT12, LD09, LH12a, LZB17, MG10, NKLN10, NRM +12, OPP10, RK09b, SARZL10, SMTG07, SB00, TLM16, XHC +18, XDR11, ZLW15, dFH +11]. Mathematical [JCJ09, Pic91a, SDC09, WBCG09a]. Mathematical [Pic86a, TC93]. Mathematics [Kra89]. Matrices [BLY +11, BDF +14, LAE +12, OKK13, VB00]. Matrix [AT10, BBR +16, DRW15, HR10, LZL +15, MRAS17, MRS18, NB94, TWT +16].

Matryoshka [Jac17]. Matter [Ano16a, Ano16b, Ano16c, Ano16d, Ano16f, Ano17a, Ano17b, Ano17c, Ano17d, Ano17e, Ano17f, Ano18a, Ano18b, Ano18c, Ano18d, Ano18e, Ano18f, Ano18g, OV10, SJ13a].

Matting [DZC11, EKFM12, GO10, GVWD06, GCL +06, JWL +13, Wil06b, YZL17, SPCR14]. Max [DKC00]. Maximal [ABC +15, EMP +12, ERA +16]. Maximization [ACOM12, JRJ11]. Maximum [BG09, CS98a, HS08, KS13b, MHG00, SK10, Vaz07]. May [Jan91, Kun04, NSGP06, Sv95]. Mazes [WT09]. MCFTLE [GKT16]. Me [FLJ +14]. Mean [CK11b, KSBC12, SHF13, TAOZ12, XL10, YB18].

Meeting [Ano97q, Ano97z, Ano04g, Ano05e, Ano06e, Ano07l, Ano10c, 
Ano11e, Ano12f, Ano13i, Arn84, Bon85, Duc82b, Nas03, tH83b, Gal84].
Meets [SL08]. Megalithic [PL96]. MegaViews [KBLE19]. Melting 
[IUDN10]. Members 
[Ano04g, Ano05e, Ano06e, Ano07l, Ano10c, Ano11e, Ano12f, Ano13i].
Membership [DvKSW12]. Membrane [BBBV12, EBV05]. Memoriam 
[Duc06a, Wil06a]. Memory
[BAHS06, Bel87, CCI13, CPP08, ESC00, KH95, KSS+15, LeYTM08, MW06, 
MO08, PO02, QYZ17, RWW16, Ros13, TsDK13, VH15, Jac85].
Memory-Conserving [MW06]. Memory-Efficient [QYZ17, RWW16].
Men [MW06]. Merging
[BW13, CTL13, DMAL10, SSE+14]. Mesh
[AMR+17, Alc02, AS96a, BLVD11, BPVR11, BLK11, BCG118, 
BS08, CK10b, CK11a, CYC15, CCW12, CFB16, CBSS17, CH09, CI11, 
DGP17, DTTS08, DSWH17, EGKT08, FLL11, FAT07, G07+07, 
GSZ11, GGRZ06, GLLR11, JLCW06, JLL10, JKL18, JKS05, KT09, 
KMD+17, KR05, KCL06, LMM10, Lav11, LAD02, LT12, LFZH18, LZ07, 
LZ+08, LCHB12, MSS11, MK06, MSAP15, MKSS12, MLK+13, MRAS17, 
MH00, NVT+14, NL13, OB01, OZ09, PJ94, PHK+10, PW13, PPH+13, RW08, 
RG15, Ren16, RMG18, R07v0, SLA15, SYM10, SHB07, SSFS06, Sha08, 
SPD14, SBCBG11a, Sor06, TWS+11, TSS+10, TFC+10, VC04, VCP09, 
VS10, VR12, VVP+16, V14x, V15+04, WJB+13, WSLG07, WZCF15, 
XWX+15, XCS+15, XM5x, YYG18, YBS07, YLL11, YWTY12, ZVD10, 
ZWC+10, ZDZ+15, ZT10, ZWH+13, vKP06, BYB09, CH12, CCFM08].
Mesh
[GHX+17, LN17, RRS12, VB14b, VB15, V14, Y110, ZZCJ14, HB94].
Mesh-Free [PPH+13]. mesh-volume [LN17]. Meshes
[AD01, ATBG08, BV99, BG02, BGI08, BLK11, BK01, BK03c, BSH15, 
BBA08, BUH10a, CK10b, CCFM08, CI08, CC06, CG17, CL03a, CL03b, 
CGG+03b, CLL+13, DBD+13, DG12, DMA02, GMC+06, GE08, GGG08, 
GLLR11, HKA15, HLS96, JBJ17, JJKL18, JLL10, KSO10, KBK+10, 
KB500, KFB+10, KFA+14, LG1B6, L09, L10a, Lee09, LL20, LCL+06, 
LM05, LKSD17, LBH+01, L09v06, LSW09, MYLZ16, MS11b, MGS07, MR12, 
MRS18, MNP08, NWHW16, NSY09, PB22G15, PPL13, PP11, PSF04, 
PW13, PTP+15, POG13, QYZ17, RW08, RRP15, RKS17, RSS96, SWPL08, 
SFP15, SHB07, SKNS15, SCI16, She12, SGS14, SS15a, SBCBG11a, SO10, 
SW08, TWS+11, UKB15, VP11, Vax12, VG00, VK18, VMM99, WLT12, 
WDT01, XLS+14, ZSW10a, vTKP11, CVDL16, GGRZ06, Jon96, SNA17, 
VR12, VMB14, WIF13, CGG+03a]. Meshing
[BYB09, BL18, CAS+19, DSC09b, DSC09a, DLS10, DMSL11, GHX+17, 
JWWP14, LMP16, MPP+13, NZH+18, QYZ17, SJP+13, SNA17, SSFS06, 
SNK09, TPSH14a, XGDC17, YLL+09, YGJ+14, ZJC13, dCTAD09].
Meshing-Simplex [BYB09, dCTAD09]. Meshless
[AWO+10, SM14b, YLHQ12]. Mesoscale [LSB+17]. Mesoscopic
[GPP+10, Hei95, KSN08, NN94, NIDN97]. **Metabolic** [LDB11, WVKR08].
**Metafile** [BHM87, OF84, Sch84, SM84]. **Metafiles** [End82, Os82, SC84].
**Metals** [FC10]. **Metallic** [BCRA12, NNSK99b, RMS+08].
**Metamorphosis** [BMWM01, GA96, KPRN11, KFA+14, LLSL98, RK94, STK02, WCX+13].
**Metaphors** [SABG+05, ZK09]. **Metering** [GTM+12, GPRS14, NMNP98].
**Method** [AMT+12, AW13, BF84, BB99, CC08, CK84, CK13, Coo83, CDPS09, CL99,
DHvOS00, DG95, DKYN96, DMYN08, FHHJ18, GBU00, GBW16, HC13, Hei95, HL03c, HZN+18,
IPKK13, IDN02, IDN03a, IDN03b, JC08, Kje83, LA06, LW95, LM07, MPT98, NN94, NIDN97,
PCDS12, PH87, Pat89, PB94, SMAB02, SKS6, SP01, Slb88, SSS+12, SKFNC97, Tam82,
TYSK01, TSP05, TSH01, UBH14, WBG07, WO94, YKH+09, ZBP99, ZY02, BM93, DH93a, Gui92, JPC14, LBT92, Sle93, STM93, VSD09, Vol93].
**Methodology** [NM91]. **Methods** [ABC11, BXH10, BAA+16, BBR+16, BMO+14, BV96, BFR17, Cas12, CRW09, DKh+14, Duc91, FPC+16, HE01,
HLH+16a, HR87, HHD03a, HHD03b, JL06, KZB19, Kaz15, Kim15, KDC17, LD08a, LK10, LOM+18, MTM12, MSK14, NGHJ18, Ren16, Ric87b, Sab86,
SWP11, SYM+12, Sch00, SW04a, SHD15, SRH+09, SW99, Szy91b, Szy91c, TP99, WBS+13, WG09, AS92, KH92, SW92b]. **Metis** [TLG99].
**Metric** [BCGB08, EP09, ESKBC17, FP04, GMY97, HCA+12, JC10, JWC+11, LA06,
Lav11, LG16, LZSCO09, PR12, RKSA17, SL01, TAEE16, Kur15]. **Metrics** [BBK+18, CLL+13, GHX+17, MMG10, vK06, JZW14].
**Metro** [CY14, WTLY12, WTH+13, CRS98]. **Metropolis** [CWY11, HH10, KSKAC02, SIP07]. **MIC** [ASK14].
**Michelangelo** [Lev99]. **Micro** [Gol85, BSH12]. **Micro-Based** [Gol85]. **micro-facet** [BSH12].
**Microbe** [DWT+11]. **Microblog** [ZAM+16]. **Microcomputers** [NB88].
**microcyliner** [MND14]. **Microfacet** [DHI+15, Hdb14b, RBMS17, DWL+09]. **Microfacet-Based** [Hdb14b, DHI+15].
**Microfacets** [WWH18]. **micro Flake** [LN18]. **Microgeometry** [GTB+13].
**MICROGRAPHICS** [Sch85]. **Microprocessor** [Pil85]. **Microscopic** [MMHL08, LN18].
**Microscopy** [JNX+08]. **Microsoft** [WHPC16]. **Microsurfaces** [TH17]. **Microtiles** [KBW12]. **Mid** [MC+12].
**Mid-structure** [MC+12]. **Mie** [JW97]. **Mie-Scattering** [JW97].
**Migration** [PNR89]. **Million** [Pic91b, Si97]. **Million-Point** [Pic91b].
**Miltangen** [BP82]. **Miltangen/Darmstadt** [BP82]. **Min**
[DKC00, STP17]. **Min-Max** [DKC00]. **Min-path** [STP17]. **mind** [PR93].
**Minds** [Bij87]. **Mine** [SP+10]. **Minimal**
[FBW01, JA95, LSR17, VFI6, VW99]. **Minimising** [ADS06]. **Minimization**
[BP16, BS15, DCY919, JKJL18, PPL13, WTL15, FS08]. **Minimum**
[CV13, vGPNB17, MS93]. **minimum-cost** [MS93]. **Minimum-Displacement** [vGPNB17]. **Mining** [PZDD19, ZCT18].
**Minkowski** [CK10a, GA96]. **Minutes** [An95r, An97-30]. **MIP**
[MS12, XWZB17]. **MIP-Mapping** [MS12, XWZB17]. **MIQP** [WFLW18].
MIQP-based [WFLW18]. Miranda [Par89]. Mireille [Ano05c]. Mirror [FKR13]. Mirrors [HNR'04]. Miscible [SKK10]. Mission [BSK'17]. Mixed [BSW'14, JL06, JTSZ10, MCH13, SLLW08, KBG'15]. Mixing [LD09, MNP'17, SKK10, RCM'14]. Mixture [WFZ'15, WDR11]. MLS [CGBG13, GB10, WSBZ08]. MO [DM92, Mil90]. Mobile [CSC'18, JSH'13, KKTD17, KDCM14, PSC10, RKR'16, RGP16, RTN03a, RTN03b, SDHD17]. Mobility [LWL'16a, SHL'14]. Mobility-Trees [SLL'14]. Möbius [BCK18, KLCF10]. Modal [AFK'14, HDBRC17, HNW'15, HWAG09, HHD'12, KRFC09, CGT'15, EGG'15]. Mode [BG01]. Model [AGR19, ACG'17, ALA'18, AGM'06, BSW10, BR97, BPV18, BR02, BK05a, BPMG04, BBN02, Bur95, CT11, CRC'15, CTSO03a, CTSO03b, CLCL11, CBTB16, DAP08, DWL'09, DLGY12, FML06, GCMS00, GMD10, GL92, GGG'16b, GLX'16, HK12, HSD'99, HSK14, HKSMK18, IJS08, IAAGJG15, IK01a, ISYM15, JTRS12, JW95, KrJC'11, KKL16a, KB04, LB06, LGH13, LSJK09, LMG'09, Mac85, Mia88b, MEKM17, NPDD11, NDG17, OW91, ÖGG09, ÖKB10, PA06, PSCN10, PH87, PC12, PNR89, RE12, RMN05, RK09b, Sch94b, SDK09, SPH'09, S88, SXY'11, SSCO09, SK17, SA91, SPBV10, ST08, SWG16, SH02, Str84, SJWS13, TMO04, TK98, VPLL08, VGSS04, WZCF15, XTLF02, XTJ'07, YL10, YBK'12, ZLM'15, ZWRH14, DFP11, AHR93, AKZM14, BM93]. Model [DMP93, FZP92, HS92, IMDN14, LG92, LN18, ML03, NW17, TC93, WY92, WJG'16, XWG'13, DP93]. Model-Based [DLGY12, SSCO09, SK17]. Model-driven [TMO04]. Model-Predictive [DAF08]. Modeling [AR94, ADMA18, ATCO'10, ATF12, BA03a, BAJ03b, Bak91b, BLP10, BDS'03, BSK'13, BSMM11, BF09, BGK'96, BW07, BMR'16, BDS'12, CCFH14, CSLG10, CD10, Che06, CGS16, CDPS09, CRA'17, DFW'09, DDKL09, DCPN14, DBD'13, DGGK11, DMC04, DSY'10, DZ'09, EASKC18, FWX'13, FC0100, FG04, GBU00, GMM15, GMW04, GPB01, GLW96, GGG'16b, GLX'16, HK09a, HK12, HMT01, HBHP17, HSS17, HRS'16, HE94, HGA'10, IOI06, IYQ09, JW97, JTSZ10, JTRS12, JLW10, JPJC14, JL18, KB92, KFG09, KRM'15, KWM15, KSK'15, KPK10, KK11a, KUMY10, KT97, LT17, LKC'12, LOM'16, LG14, LL10b, LS'14, LM'17, LSZ'18, LSWW11, LVW'15, LPMS16, LC09, LDY'10, LCW107, LCHB12, MLS14, MS01, MG05, MS08, MGG'10a, MNO04b, Mo11, MWC04, MF00, MWW12, NVH'13, NBB18, NDN97, PWC'09, PfM14, PGM09a, PGM09b, PKS13, PBB'13, RP01]. Modeling [RCB'17a, RJT18, RR00, RL09, SY12a, SDG09, SS08, SSSS13, STG16, SLK07, SAG'13, SMTG07, SBM'10, SWS'12, SKK'14b, SSK'14a, SG04, TNK'93, TZF04, TON'02, TBTB12, UHT18, UTZ16, VSD09, VKW'12, Vax12, VW95, VPP'04, WL10, WX'16, WLJ'18, WLM13, WWS'15, WGG99, XM15, XHC'18, YCLE09, YFW12, YLH14, YCXW17, YLD'18, YSY94, YYPZ07, YLX'16, YIC'09, Z96B, Z96a, ZPS03, ZTW'12, ZLYL17, ZCL18, ZST'10, ZCF'13, DTK93, DGA04.
DH93a, ESP92, GDAU14, Gro92, GDGP16, RCM+14, ZR96b. **Modeller** [NAB86].

**Modelling**

[AJC11, Ano98d, BPM06, BBT+06, BCF+05, BSMM11, BWK14, BB91, BAHS06, Cal96, CL92, CTSO03a, CPE92, CBSF07, DJW+06, EPCV15, EKM01, FW17, GGP+15, GD09, HL03b, HH90, IOI06, KK14, KFA+10, KK11a, KBT+12, LM96b, Las84, LC99, LD98, LSWW11, LC09, LCM+18, MbMYR15, ME98, MMRO13, Nic85, OKIO05, PL96, RKS17, RMH+18, SM14a, Sei88, STBB14, SPK+14, SFS05, TD00, VAW10, Vax14, Wai88, WSC06, WBEF97, WLZ13, WC16, YLG+18, YYPZ07, YLH+14, Zac99, ZHQH17, DTG96, FFD93, FG04, HR88, LM96a, SC04, ZY04].

**Models**

[Afr12, AA09, ADMAS18, ABCN10, AHR84, ADJ+01, BB00b, BKD+17, BAHS06, BPF+03a, BPF+03b, BCF94, BMWM01, BL86, BNC96, BN12, CRY11, CS16, CYC15, CATM09, CCI08, CZ09, CSaLM13, CK84, CDG+07, CP10, CP11, DCPS08, DLL+10, DMNV12, DKW94b, DG96, GRP+10, GVV05, GM96, HFE13, IGMK+16, JL17, KZ05, KW15, Kie06, KGL+98, LeYT08, LMS+16, LJN02, LWS+13, LCZ99, LC09, MWN+17, MK05, MG87, MCM+12, MMG18, MG10, MCB16, MBT+12, MK15, MBW+05, NKM+06, Nebo0, NK99, NN98, NNSK99b, NNSK99a, NVD+13, ND12, OTH02, OZS08, Pai02, Pat89, PC12, PBK10, PZB+09, PH13, RCMM+16, RGM85, Ros97, SKR+14, Sch94c, STKD12, SLHC12, SB99b, SB00, SP03a, SFWS03a, SP03b, SFWS03b, TRAW12, WF97, WC05, WD11, Wie96, WLML99, WC14, WXW18].

**Models**

[XCDR10, ZQK04, ZBM+17, ZHK15, ZR13, AVF04, CBV+14, DDF15, DPT+08, DMS14, GK03a, GK03b, HKM15, Jac85, LM93, LSN+14, LEM+17, MCWS13, RLYL14, TPSH14b].

**Modifiable**

[BMS+10, ZK08]. **Modification** [KB12, LAS+11, Ska87]. **Modifications** [DBD+13]. **Modified** [FM15, KSBC12, RHv95]. **Modifying** [GVS+15].

**Modular** [GSDG18]. **Modulation** [MRT08, WHL10]. **MoleCollar** [BJG+15].

**Molecular** [Ai98, BWH+11, CDSS14, Dia84, FSTR13, GRDE10, HVVR18, KFR+11, LKEP14, LPSV14, LMA+18, LPH10, PJP+14, RWP88, SAMG14, SKR+14, SLD+17, vdZLBI11].

**Molecules** [PMW86].

**Moments** [KFH10]. **Monaco** [Gob96]. **Monitoring** [HKD+08]. **Monkey** [Pic91a].

**Monocular** [MD19, ZTG+18]. **Montage** [HHS14, DJZ+09, GWO+10].

**Monte** [Gob95, Gob96, BEEM15, BRM+16b, BB17, BBL+09, DWR10, GAM17, GKT16, HCJ13, HD14a, KS13a, KVS+14, MMG18, MJL+13, MIGMM17, MG17, NGHJ18, PWP08, Pic86b, Sbe97, SHZD17, SM17, SKFC97, VAN+19, ZHD18, ZJL+15]. **Monte-Carlo** [KVS+14, MMG18].

**morass** [Cla92]. **Morphing** [Ale02, AEC016, BP98, CFB16, DSL15, GLA00, GLHH13, GLX17, LLN+14, TE99, WWL+13]. **Morphological** [BE95, JESG12, MI90]. **Morphologies** [AMYB17, ASB+17]. **Morphology** [JPK13, KMA05, Vel93]. **Morphology-independent** [KMA05].

**Morse** [DFM15, SWPL08, SN12, Szy11, WIFD13]. **Mosaic** [BDGF07, CBC+15].

**Mosaicking** [CL99]. **Mosaics** [LVJ10, ME13, MFPA15, PCK09]. **Motion** [AMYB17, AWO+10, AGR19, ARB+18, ACOHS18, AW00, AWCO10, BCN11a,
BSC16, BIZ18, BTS+17b, BvTH16, CYC15, CYZ11, CCTL12, CKHL11, CYI+12, CYJ02, CKE+12, Coh95, DAP08, DLGY12, EHT18, ESKT15, EBSC99, FL06, FP15, FHW+11, FGT+16, GS14, GPR+15, GPD09, GFW+06, HSI+09, HPT89, HWK+10, HK09b, HL18, HZF10, HHRZ12, HLL16, JKL18, JL08, KAAT03a, KRMS13, KÖOH13, hKLS00, KSP18, KRFC09, LMSG16, LS09, LL05, LLI09, LK17, LWPL15, LYG15, LZ10, MMS07, MGC16, MAA+09, MBBT00, MVH+14, NSG11, NG03a, OM01, Osh08, PHE+11, PLL11, PP10, PG08, PH03b, PH03a, RAP08, RZS10, RTK+14, RR00, SSK07, SSK+05, SCR+18, SHS13, SFF11, TySK00, TWC09, USSK11, UGB04, VB14a, VF14, WLZH17, WWT+16, WGO+06, WLI+12, YL0, YLD07, ZZT15, vBE11, BT92, HNJ14, SF92].

Motion-based [EBSC99]. Motion-flow [PHE+11]. motion-motion [SF92].

Motional [FSTR13]. Motions [HSK14, KAAT03a, KAAT03b, yKL08, LG96, NJ04, KMA05]. Motivated [HFM16, PBC+16, DER+10, TDMS14]. Motor [CD18]. Motorcycle [EGKT08]. mountain [BM93]. Mounted [WRK+16, WO94]. Mouse [STD09]. Movement [BMH+12, BSBE17, GJL+09, LRB+15, SAMS+17, SvL16, WVV11, ZFAQ13]. Movements [BB09, JL08, NBBH18, SK17, AFHdL14, WVV09]. Movie [Coo05]. Movies [DH16]. Moving [CLHL08, Fah85, KASH13, Los97, LD97, MS10a, MC17, SLAM08, WSB08, ZHM08, ZSW+10b, ZBW11, KB+14]. MPM [YLCH18, ZZZ+17]. MR [MK11, ZVE+14]. MRF [TSP05]. MRI [KPG+16, KBvP+17, KGGP18, MKP+16, dHvPJ14]. Mud [SOH99]. Multi [ÁSK14, ATO17, AFK+14, AGD08, ABCN10, BV09, BTST12, BTB13, BBP10, CS99a, CSFP12, CGT+15, CD10, CSS+18, CJC+09, CKK18, CDS+16, CP10, DZD+16, DSS+09, DSH+17, EAGA+16, EASA+17, EGG+15, FDL14, FvdP15, FL19, FMH16, FH09, FHN+17, GDG12, GHWG14, HDMRC17, HM10, HMM+15, HWF+17, HLL+13, HJS+17, IABT11, ISYM15, JBT508, JSH+13, KARC15, KAI9, KKS+12, KMB+17, KVD+10, KZMS12, LGB16, LWL11, LeYO+10, LMLG15, LWL+16b, LJL+18, LTK12, LLH09, LS08, LCM10, LHS+18, MJBC13, MbMYR15, MAA+09, MO08, MMP16, NJB+11, NPCB17, PBMG15, PSM12, PKG03a, PKG03b, Pil85, PSK09, RMS+12, RLY14, SM10, SM11, SHSK16, SGG05, SGW12, STMT12, SDMS15, SHW+18, SNKS09, SR14, SS15a, SGG16, SOG09, TCRS00, TIK17, VSK16, WS02, WDAH10, WLI+13, XSSM13, XSS+15, XBL+18, YFW12, YLHQ14, YWC+10, YMS10, ZLM+15]. Multi [ZXTD10, BRM+16a, BYB09, HL14, NGM14, TWSM17, VF14].

Multi-GPU [MO08]. Multi-Grid [KH19]. Multi-Image
NPCB17, YWC+10, DZD+16. Multi-impact [ZLM+15]. Multi-Jittered
[SDMS15, CSFP12, ISYM15, LCD10]. Multi-Layered
[MbMYR15, RHS+12, DSSD09]. Multi-Level
[ABCN10, CJC+09, HFM10, NJB+11]. Multi-Material [AGDJ08, BYB09].
Multi-Microprocessor [Fil85]. Multi-Modal
[AFK+14, HDBRC17, HMW+15, CGT+15, EGG+15]. Multi-objective
[SNKS09]. Multi-Party [EAGA+16, EASG+17]. Multi-Perspective
[YMS10, LTK12, BRM+16a]. Multi-Phase [ATO17, HJS+17].
Multi-Projection [TIK17]. Multi-Projector [SM10, SM11].
Multi-Resolution [LBG16, LeYO+10, WS02, VF14]. Multi-room
[MMP16]. Multi-Run [FL19]. Multi-sample [SHSK16]. Multi-Scale
[DSH+17, SR14, SOG09, WDAH10, XSSM13, CD10, GDG12, MJBC13,
PKG03a, PKG03b, YLHQ14, NGM14]. Multi-Sided [SS15a, VSK16].
Multi-Skilled [FvdP15]. Multi-Spectral [LMLG15, PSK09]. Multi-step
[LSZ08]. Multi-style [RLYL14]. Multi-texturing
[PBGM15]. Multi-Texture
[JSH+13, SHW+18]. Multi-User [XBL+18]. Multi-Variate
[CDS16, FH09, HWF+17, KKS+12, KZZM12, PSPM12, STMT12].
Multi-View
[BBP10, FNH+17, KMB+17, WLI+12, XSS+15, LIL+18, SM10].
Multi-Volume [LLHY09, CS09a]. Multibody [ATK17]. Multichannel
[JvdGMR19]. MultiClusterTree [LL09]. Multicolour
[KMO+00]. Multicore [KWN+14, VOS+10]. Multidimensional
[FR11, FR00, GMDW09, GJL+09, JPN15, KK02, LT16, LMG+18b, LL09,
NN11, PEP+11a, PEP+11b, RW18, SNLH09, WKS+14, YWS+14, FT93].
Multidirectional [SPBV10]. Multifaceted [PDW+14]. Multifield
[HHC+13, JBL+10, NNN11]. Multifields [ML13]. Multigrid
[JCK+13, WWF+18, WMRSF15]. Multilayered [CJW+06]. Multilevel
[RA94, TL16]. Multimedia
[But94, DH98, Kje91a, PH96, AHR93, Cla92, FTF93, Kin92, KSH92, ST93, VR95, dBD+92, HK94, Kje92].
Multimedia/ hypermedia [HK94]. Multimodal
[LSBP18, RRRP08]. MultiOOP
[Cla92]. Multipass [SW99]. Multipath
[CSN04, MSSK08]. MultiPiles [BHRD+15]. Multiplanar
[CSaLM13]. Multiplane [WZH13].
Multiplexer [GC09]. Multiple
[AWO+10, BKB+12, BBAM12, BCH+95, Che97, DMPK07, DWT+11, EBA+09, FKSS13, GRT18, GD96, GA98, Her84,
JR16, KPN10, KHIK01, KPS+14, KSD14a, KFR18, KJ14, LC99, LJZX15,
LWS18, LMG+13, LPG13, NK99, SS16, SY14b, SHSK16, SDS+16, SJH08,
SKMS18, TMRL14, WHD17, WHCO08, WYKR17, YLD07, ZAM+16,
KBO+14, TWMSK18, ZJC13]. Multiple-Bounce [JR16]. Multiples
[BBL12, LHNS18, vdEnev13, BRM+16a]. Multiplexer
[RRM15]. Multiplexing
[CBW+14]. Multiply [RR94]. Multiply-Connected
[RR94]. Multiprocessor [CBVB86, NS93]. Multiresolution
[AAB+96, AG06]
Multisampling [JCK16]. Multiscale
[CWW+11, GL12, Lav11, Mér11, PFH+18, Rus11, WE97]. Multitouch
[ATF12]. Multivariate
[AKMM11, BPFG11, BSW+14, BCD+10, BFG+17, FS91, HV10, JBT08,
KHF10, KKS+12, LL09, ME13, MKO+08, PC94, PKRJ10, PV08, RL14,
RL16, RMH+18, RSSL17, SV10, SJH08, WCH15, ZLMM16, ZH14, DKG15].
Multiview [TF15, CHA+14]. Mumford
[BCGL18]. Munich
[PS10]. Munk
[ARC05]. Mural
[LLP00]. Muscle
[BK03c, BK03d, CLF+03a, CLF+03b, DKK00, EBV01, GCMS00, hKLS00,
KCL06, KBS00, Lee99, MS10b, MK05, Mey94, NPW10, PWH98, SaH96,
SB99a, SMAB02, SHB07, SBE16a, SBE16b, SMP13, YP95, vTKP11].

NAG [BFTL82]. Name
[Bak88, CJ90]. Named
[EASG+17, SJB+17]. Named-Entity
[EASG+17]. Names
[KvLB14]. Nano
[Baj03a, Baj03b]. Nanoscopy
[LBH12a]. Nanostructures
[DTS+14]. Narrative
[MRL+17, RB03a, RB03b, SH14a, ZH12]. Narrow
[FAW+16, SWT+18, SDS+16]. Natural
[BCD+13, BPMG04, CG07a, DGGK11, DGA04, GMW04, GP06, GPG11,
HT11, HZMH14, KR011, KB04, KRFC09, NW13, PKL88, PKS11, PA01,
Wai88, Wu90, Zar06, GGG+16b, JCT14, KH92]. Naturalness
[VVE+10]. Nature
[BCF+05, BMWW14, Bul95, DGR+14, HFM16, HK03b, Jen07,
OO105, QNT03b, SFS05, WJG+16, YGCO+14, WY92]. Navigating
[BBP10, HW10, MCG09, PBK10]. Navigation
[AVF04, ACS+17, BT98,
CLW11, GRE11, HDM98, LD04, LLB+10, MSD12, MSWK02, MDWK08,
RPPD07, SSCO09, SKKS08, SGC04, ZBM+17, ZK08, Lam09a]. NBS
[CP88]. NCNA
[Kub82, Mum88]. NCS
[CLGS18]. NCSCT
[Mud83]. Near
[ADS06, FDL14,
FGT+16, MMP08, NLS+13, NMMK05, TSB16, WZLT18, GGB+08a, MM18].
Near-Field
[MMP08]. Near-Instant
[FGT+16]. Near-Isometric
[TSB16]. Near-Regular
[NMMDK05]. Near-Wall
[NLS+13]. Nearly
[SBL12]. Nebulae
[WLM13]. Nebulas
[NGN+01]. Needle
[HMP+12, KFR18]. Needs
[GL94b, GL94a]. Neighbor
[KCL+18, PHL+16]. Neighborhood
[SPD07]. Neighbors
[PM16]. Neighbourhood
[SL11, VS10]. Neighbourhoods
[CD08, OW19]. NEREx
[EASG+17]. Nested
[KP18, LWM+17]. Nesting
[Jac17]. Netherlands
[TT95b]. Nets
[Kob96, CLGS18]. Network
[Ano95w, Ano95y, Ano95x, Ano96r, Ano96q, Ano97-37, Ano97-38,
Ano97-40, Ano97-39, Ano98-28, Ano98-29, Ano03e, Ano04e, AO89,
BBR+16, CDA+14, CLW11, How90, JGH11, LLP00, MBRHD18, MB99,
NHL16, PCR89, RG19, VVKR08, YYZZ18, BG93]. Networked
[PLT+97].

O [Ric87a]. Obituaries [Duc06a, Wil06a]. Object [AA09, BT95, BB91, BWRT96, BSL18, CS98a, CCI+07, CC00, CKS+15, CMH+01, DS11a, DR87, DZC11, DH98, EBGM12, GGW98, GCZ+12, GTK+12, HMB08, HZ99, IKL+10, IEH+14, KAAT03a, KAAT03b, KH96, LSF+11, LDGN15, MBB13, Mar95, MP+14, MSAP15, MCG+19, MRS12, MSF00, Ott90, PG08, PWB98, PS10, RPZ02, Sch88, SEASM09, SSB13, SF83, SJWS13, TC94, TLG99, Vel91, WCB+95, XXY+18, YCL+17, ZZWC16, ZCK17, ZZX+17, van90, AHR93, DSS90, JCT14, Sch94a, ZK92]. Object-Centered [CKS+15]. Object-Oriented [BB91, DR87, DH98, HZ99, KHM96, Ott90, Sch88, TLG99, Vel91, ZK92]. Object-Space [HMB08, MRS12]. Object-Surface [Mar95]. Objective [TAE16, SNKS09]. Objects [AWO+10, AAK+09, AS95, AM95, Att15, ATF12, AB97, BD84, BV16, BB08, Buh01, CS00, CBS96, DMY08, EDPB15, FCS+16, GCMS00, GPG+16, GTS86, HK16, HS04, HE01, HHD03a, HHD03b, HE94, HL03a, HL03b, HSC16, HLL07, HR+04, I01b, J17, JZYP18, KKB16, KKS15, KMHG13, KS12b, LGB+03, LPH+15, LAFT12, L97, LD97, MCHW18, MG10b, MO10, MCL96, NK99, OTSG09, PDP+15, PL94, RGM85, RAMG15, RH95, SE04, SS96b, SWB01, TKH+05, UTZ16, WW+10, WXL+11, WK12a, AD17, WWT+16, WW11, YH13, XT10, BL93b, DH93b, Gen92, KWF+01, LDB07, MFT02, NW17, OCL96, TC93, ZKMG16]. Oblivious [SSE+14, DLL+10]. Obscuration [Tim13]. Observation [BRB+13]. Observational [SB00]. Observer [WWV17]. Obstacles [Man16]. Occluded [COFH98]. Occluder [SSLL14, WS99]. Occluders
Occlusion [BKES00, BNRSV01, NRJS03a, NRJS03b].  
Occlusion-Driven [SBW06].  
Occlusions [JZJ08a].  
Occlusion appearance [JZJ08b].  
October [ACM80].  
Octree [CJC09, Hea90, JZYP18, KKK18, LMP10, CLL08, GA93, Hea89, PG94].  
Octree-Based [JZYP18].  
Octrees [AS95, BLD14a, DKC00, ES94, PG93].  
Octtree [NAB86].  
Octree [HHS01, VVE10, PSK09].  
Oers [Ano95n].  
Os [BMPM12].  
Oset [PK08, MNR94, SW92b].  
Oil [SDHD17].  
Olfaction [HBRD18].  
Omni [ABB07].  
Omni-directional [ABB07].  
Omnidirectional [XLH13].  
Omniscient [LPSV14].  
On-demand [GLX16].  
On-line [DZD16, HNJ14].  
on-Surface [TPBC09].  
On-The-Fly [OAM18, Lzb17, SMS01, ZOA18, SLSK07, SKK14b].  
One [LZY04, OMMG10, SHSK16, Kur15].  
one-dimensional [Kur15].  
One-Pass [LZY04].  
One-sample [SHSK16].  
Onlay [SG08].  
Online [AWCO10, JKJL18, KQW08, RWW16, WHS18, XXY18, YLD07].  
only [DSC09b].  
Ontology [FW17, GSGC08, XWG13].  
Ontology-Based [FW17, XWG13].  
Opacity [GSE14b, GTG17, RSK06, YK08, GRT14, WZC11].  
Opaque [IPKK13, WWT16].  
Open [Kob96, Pur03a, Pur03b, HS92, HK94, KSH92, WHR97].  
OpenGL [Cal07].  
Operations [AO86, AO89, BE95, DI18, HL03c, KP87, LMM10, Li07, Man83, Tho86, WW88, WGG99, van87, FND92, LM93, PG93].  
operative [BSG95].  
Operator [ABCC013, BEKB15, CLB09, GRT18, KKB18, LLSL98, LJC17, MEMO14, MS08, PPH13, QCW18, HP11].  
Operators [BDS03, BNH16, BEKB15, BHU10b, EWMU13, HCO18, JTSZ10, MBDC15, UMM10, Y110, GGRZ06, YDL07].  
Opportunities [Bry96, DAF18].  
Opportunity [HS90].  
Optical [IAJG15, IDN02, JNX08, PSL08, TBKP12, VWH18, WHL10, MG96].  
Optics [CRGZ10, GSMA08, HHH12, KMN05, MTAM12].  
Optimal [BGAM04, BSH15, FDL14, FAVM09, HW16, KPRN11, MBB19, Mér11, Sbe97, SSG17, SEG14, She12, YIC11, dGCSAD11, MM18].  
Optimality [Got03, HHC13].  
optimisation [Hub93].  
Optimised [ZC95].  
Optimising [VP11].  
Optimization [BIMO04, BHH13, BLK11, CG12, Coh95, Den03a, Den03b, ESKT15, GP18, GSE14b, GTG17, GLGW12, IEGT17, JHT14, KNL15, Kim15, LA06, LSP08, LEL17, LYP10, LMLL15, LSS98, MCHW18, MJBC13, MB97, MSAP15, MB18, MGAF95, NBCW11, NSRS13, OB01, PW13, POG13, PS018, RZ10, SWB98, SBC17, TE18, TIK17, VLV14, VMH13, WJB13, WCT15, WW16, XWX15, YGJ14, YCXW17, YWHB18, ZXZ17, CLL10, GSC18, GRT14, ZKWG16].  
Optimization-Based [XWL15, RZS10].  
Optimized [BTB02, BM15, DTV15, HDL11, JFS09, MPCG12, NREM14, TWS11, WK04, VB14a].
Optimizer [VGB\textsuperscript{14b}]. Optimizing [BCRA\textsuperscript{11}, CHA\textsuperscript{+14}, CTHAM\textsuperscript{10}, FCH\textsuperscript{+06}, xHMC\textsuperscript{09}, KRMS\textsuperscript{13}, LWZ\textsuperscript{+09}, LCWCO\textsuperscript{10}, RGB\textsuperscript{+14}, WZK\textsuperscript{16}]. Orbit [SAD\textsuperscript{+16}]. Order [CAH\textsuperscript{00}, DHS\textsuperscript{04}, GO\textsuperscript{15}, GCP\textsuperscript{+09}, GSA\textsuperscript{03a}, GSA\textsuperscript{03b}, IH\textsuperscript{11}, KASH\textsuperscript{13}, LS\textsuperscript{08a}, LPG\textsuperscript{13}, ME\textsuperscript{04}, Mu\textsuperscript{n14}, NM\textsuperscript{14}, NPW\textsuperscript{10}, OR\textsuperscript{T\textsuperscript{18}, POS\textsuperscript{+11a}, Pic\textsuperscript{87}, RW\textsuperscript{18}, SV\textsuperscript{10}, SWS\textsuperscript{09}, SBF\textsuperscript{15}, SK\textsuperscript{10}, Sch\textsuperscript{n1}, SK\textsuperscript{16a}, ÚFE\textsuperscript{10}, WTH\textsuperscript{04}, YH\textsuperscript{GT}\textsuperscript{10}, ZY\textsuperscript{04}, BRM\textsuperscript{+16b}, BPZ\textsuperscript{96}, MRL\textsuperscript{10}].

Order-Independent [ME\textsuperscript{04}, SBF\textsuperscript{15}]. Orderability [CAB\textsuperscript{16}]. Ordered [CAB\textsuperscript{16}]. Ordering [BJCO\textsuperscript{03a}, BJCO\textsuperscript{03b}, DH\textsuperscript{16}, FR\textsuperscript{11}, HMB\textsuperscript{08}, SS\textsuperscript{00}, WTMT\textsuperscript{18}].

Organ [DKY\textsuperscript{98}]. Organic [ABW\textsuperscript{+15}]. Organization [PEP\textsuperscript{+11a}]. Organized [HV\textsuperscript{08}]. Organizing [AAB\textsuperscript{10}, AMT\textsuperscript{02}, SWS\textsuperscript{12}]. Orientation [CCLN\textsuperscript{10}, PD\textsuperscript{16}, RHLH\textsuperscript{18}, WSSC\textsuperscript{11}, SW\textsuperscript{92b}]. Orientations [SSG\textsuperscript{17}, RGB\textsuperscript{+14}]. Oriented [BDS\textsuperscript{84}, BB\textsuperscript{91}, CGBG\textsuperscript{13}, DR\textsuperscript{87}, DH\textsuperscript{98}, HD\textsuperscript{89}, JFS\textsuperscript{06}, KH\textsuperscript{96}, MC\textsuperscript{10a}, Ott\textsuperscript{90}, PHK\textsuperscript{+10}, Sch\textsuperscript{88}, SSW\textsuperscript{14b}, TL\textsuperscript{G99}, Vel\textsuperscript{91}, YXX\textsuperscript{14}, KCB\textsuperscript{97}, KBK\textsuperscript{+10}, ZK\textsuperscript{92}].

Origami [MD\textsuperscript{+18}]. Organic [BBBL\textsuperscript{11}, ZFA\textsuperscript{+16}]. Origin-Destination [BBBL\textsuperscript{11}, ZFA\textsuperscript{+16}]. Origin [MD\textsuperscript{+18}]. Original [TL\textsuperscript{FC}\textsuperscript{16}]. Orleans [CSLG\textsuperscript{10}]. Ornamental [ZWXL\textsuperscript{17}]. Orthogonal [DKMT\textsuperscript{18}, DG\textsuperscript{98}, KE\textsuperscript{97}, SG\textsuperscript{RT\textsuperscript{12}, MV\textsuperscript{PG}\textsuperscript{11}]. Orthographic [GTS\textsuperscript{86}]. Other [Kin\textsuperscript{95}, KH\textsuperscript{92}]. Orient [Enc\textsuperscript{98}, Thi\textsuperscript{11}]. Orientation [BDFG\textsuperscript{07}, BCN\textsuperscript{11b}, End\textsuperscript{83a}, End\textsuperscript{84a}, GRE\textsuperscript{11}, HGG\textsuperscript{+84}, Kil\textsuperscript{82}, OJS\textsuperscript{+11}, ZCH\textsuperscript{+17}, LEM\textsuperscript{+17}].
Papercraft [XCDR10].

Papers
[AR06, Ano96t, Ano07i, ML17, Ano08f, Arn08, DCPS08, Gob95, Gob96, Zot08].

PaperVis [CY11], Papilio [LFC14]. Para [PSF04]. Para-Graph [PSF04].

Paradigm [AR94, KCB97, YSY94, LG92, WBCG09b, YN93]. Paradigms [Ano95q, Ano96c, Ano98e, AS98, DH98]. Parallax [Ake11, LMSG16].

Parallel [AIAT12, Ano98b, Ano98c, AH89, CG12, CMPS93, COF95, CDD09, DCK12, DG12, FP15, GMM15, GRT18, GRPF16, HKS09, HMB17, HREB11, IABT11, JBG17, JC08, JR16, KARC15, KH95, KVS+14, KHH+09, Kuh12, LCDW16, MssK08, McC96, MM08, MB18, MB99, MKSS12, MRAS17, Nar95, NG97, POS+11a, PRS89, PTO10, Raf05, Rei03, RA94, San06, SSK07, SN12, SMM13, SSK+14a, SF83, TP89, VBBH13, VOS+10, WDF17, ZYQ+08, ZCQ+09, CD94, HB92, HHCJ18, LBD+08, MMAG93, VL93]. Parallel-Coordinates [GRPF16]. Parallelization [LL18]. Parameter [AGR19, BPFG11, BvLBS11, ERHH11, GKH14, GAWJ15, LBH12b, LRB+15, SL09, SBC+17, STD09, TFA+11, WTHS06, WGO+14].

Parameter-Dependent [LRB+15]. Parameterisation [SJ13b].

Parameterization [BCGB08, BF84, CK14, CBSS17, EGTK08, GDG12, HLS12, KN07, LS08a, LZX+08, MS12, MP12a, MA08, NRP11, PSF04, Sch13, SSN18, SHPS08, PSP+14]. Parameterization-Aware [MS12].

Parameterizations [CK11a, DMA02, GUK+17]. Parameterized [GGK06, KSKL13, LPG10, SH02]. Parameterizing [AKZM14]. Parameters [BCS96, CEX+18, DHI+15, ESKT15, JCW11, KR05, SSM12, WV1V08].

Parametric [Bak90, Buhl01, FB94, GMM15, KWM15, KM33, MJC01, VCP09, WR05, WDR11, dFVS03, Gu92, NN93, ST93, VG96].

Parametrically [PA06]. Parametrization [AMS16, CIE+16, CLS16, CBSS17, ESKBC17, SGRT12, UFK13, YFWR11].

Parametrizations [CIE+16]. Parametrized [TE18]. Parcels [VKW+12].

PARCUM [Jac85]. Pareto [HHC+13]. Parity [SY12b]. Parser [Her82].

Part [JTRS12, LZSCO09, LVW+15, RT08a, RMG18, XXM+13, ZCOM13, vKTS+11, DMS14, NW17, ZCOAM14]. Part-aware [LZSCO09]. Part-Based [LVW+15, JTRS12, RMG18, DMS14, part-segmented [NW17].

Part-type [RT08a]. Partial

[BV09, CRA+17, GAWJ15, LRBB17, MH13, PSM12, RLH+18, RCB+17b, SY14a, SGS14, SDKG18, TVD09, vKZH13]. Participating

[BN08b, ENSD12, Hol15, JZ08a, KPS+14, KF12, PWP08, PP09a, SKTM11, SKGM+17, SKMS18, YIC+11]. Participation [Ano95l, Ano95m, Ano95k, Ano96g, Ano96b, Ano98i, Ano97e, Ano97g].

Particle [AIAT12, BSW10, CS109, CZY11, CKSW08, DGP17, HE94, IPKK13, IUDN10, JFS006, KRG03, KS18, KBKS09, PTB+03a, PTB+03b, SCN+16, SMM13, SG15, UBH14, VCC98, VMH+13, WAF+11, YLHQ14, YKH+09, YWTY12, ZLKW13]. Particle-Based [AIAT12, BSW10, DGP17, PTB+03a, PTB+03b, IUDN10, SCN+16, SGG15, ZLKW13].
LHH+13, MMTH09, McN01, MG10, MC14, MSK14, MK15, NMP98, OAJ14, RGG15, RAP08, RB10, RIF+09, RPA+15, SW11, SGRT12, SABG+05, SCCN11, SLTM08, SLH+18, TX16, VCL+11, VR12, WSR+17, WTLL13, XCDR10, YMM10, YLRC10. Perception-based [HKMS08].

Perception-driven [HKMS08].

Perceptual [BGCP11, Cad08, CAB+16, CLL+13, GMY97, GMSK09, HMD005, HCA+12, IF00, JVS+12, KNH+18, LBH12b, May99, May00, MG10, PHM+14, RAP08, RE12, SL01, SCCN11, TMHD12, WPG02, HHS14].

Perceptually [DER+10, FP04, GH97, HMYS01, HFM16, HBK02, KYKL14, LAS+11, LBH12b, MPCG12, PBC+16, Red96, SLTM08, TDMS14].

Perceptually-based [KYKL14].

Perceptually-Driven [GH97, Red96].

Perceptually-motivated [DER+10, TDMS14].

Perfect [CJC+09, HKA15, RRP15, WBEF97].

Perfopticon [MHHH15].

Performance [ABW15, ASB+17, BS19, BAA+16, Bel87, CGG+03a, CGG+03b, Den86, DDB+18, FHW+11, GKB+11, HE01, HV10, LK17, LCP+12, LS15, MSH+92, MRS08, NAS07, PGSS07, Ros13, SMM13, SPM13, VHB16, WLI+12].

Performance-Based [LK17]. Performance-Driven [BS19].

Performances [LWS+13]. Performatif [PMG13]. Performer [ACC15].

Peridynamic [XHC+18]. Peridynamics [CZZ+18]. Peridynamics-Based [CZZ+18].

Periodic [SM14a]. Permissions [LFC14]. Permutohedral [ABD10].

Permutation [CQWM08]. Personalised [MR15]. Persons [LJL+18].

Perspective [AS95, IEH+14, KL03, SSK16, YMS10, BRM+16a, LTK12]. Perspectives [BCBB16]. Pertinent [Cal96]. Perturbation [Day90].

PET [DHS+13]. Peucker [VW90]. PEX [WT93].

Phase [ATO17, HJS+17, PSP10, PNVS17, RGG18, MMS09, SR19]. Phase-Based [PNVS17].

Phenomena [BR07, BPMG04, BP19, CG07a, DGGK11, DGA04, GMW04, GPGB11, HT11, KR11, KB04, PKS11, KH92, GP06].

phenomenological [WJG+16]. Phenotyping [HPvU+16]. PHIFI [AM92].

PHIGS [AE86, AHR85, AM92, Bak90, Bak91b, BBMR88, Fre90, HM91, Hew84b, How89, How90, Kra89, Pat89, PNR89, WT93, WH89]. Philipp [Ano07b]. PHOG [BCGS13]. Phoneme [DN08]. Phoneme-Level [DN08].

Phong [KB89, OT11, PA06]. Phosphorescent [NSR17].

Photo [BPV+09, CS03, GKB12, GCZ+12, GLGW12, IRWM17, JBS+06, KLIW12, LMS04, LTK12, LCWC010, Pur03a, Pur03b, QNTN03a, QNTN03b, RHL12, RMS+08, ZH12, YGCO+14].

Photo-Realistic [QNTN03a, QNTN03b, CS93, Pur03a, Pur03b, RMS+08]. Photoelasticity [BE15].

Photograph [Ano97-41, DSY10, RGM+18, XZP+13, XDR11, ZCC14]. Photographic [EWK+13, NK99, SLKL14].

Photographs [ELS08, LGMT00, LP15, MZT09, WMTG05, YKM12, DPT+08].
Photography
[ABD10, AVR10, AAB09, BAAR13, CG16b, EWK+13, FO12, GTM+12, GLCC18, HKW12, LE13, MP12b, MKV09, PK10, SD09, SSCO09, PCF05].

Photometric [BCGS13, GHH01, SSB+14, ZLSW17].

Photon [AGD10, AVR10, AAB09, BAAR13, CG16b, EWK+13, FO12, GTM+12, GLCC18, HKW12, LE13, MP12b, MKV09, PK10, SD09, SSCO09, PCF05].

Photons [BCGS13, GHH01, SSB+14, ZLSW17].

Photorealism [CLF+03a, GSA03b, MTF03b].

Photorealistic [ABG+12, CYY+11, CMH+01, FCH+06, HS99, JCW11, KBG+15, LB06, LMPD15, MSK06, UCCS11, VVC+11, WT11, YKM12, DWE03b, DBHM03a, HHD03b, KQWM08, MDWK08, SFWS03a, SSJ+10, WNS+10, XLT03b, XJ+08, XCDR10, YLK08, BJ94].

Photos [CSC+18, GKB12, LTK12, MJH+17].

Photosimulation [Bou90, NN89].

Photovoltaic [ABW+15].

Physical [ABW+15, BS19, DPD+15, Fuc04, IIS09, KBHM15, KBB+17, LLC+12, LMK+15, OTH02, SW04a, ESP92].

Physically [AFHdL14, BKY+16, BPMG04, CS00, CIPT14, DO00, FL06, GCGP18, HKW09, HNJ+14, HE94, LW94, LG96, LLA06, Lew94, LTH08, MWN+17, ME98, MSHD15, NBH18a, NMM+06, OW91, PdMJ14, PBP96, Sch94b, SHP+19, TSK14, UWP06, WKB18, WW11, WWD15, MBS14, KK18].

Physically-Based [BPMG04, CS00, LG96, LLA06, PdMJ14, PBP96, Sch94b, AFHdL14, CIPT14, GCGP18, HNJ+14, LTH08, TSK14, KK18].

Physics [ARB+18, Bou90, GP12, HMLP13, LNS05, LCCC13, MAA+09, Ter02, ZDM+14, dHvPJ14, HNJ+14].

Physics-Based [ZDM+14, dHvPJ14, ARB+18, LNS05, LCCC13, HNJ+14].

Physics-driven [MAA+09].

PhysioEx [KCJM16].

Physiological [KCJM16].

Picture [Ary84, Chr86, Fah85, GKB12, Gos89, KPiAS01, SK86, SS91, USSK11, WH91, WT09, YLK08].

Pictures [Bij87, BBDM85, OAIS09, WM85].

PICTuReVis [vdCvW17].

Pie [SK16b].

Piece [PEP+11a].

Pieces [SP13, YCXW17].

Piecwise [BV96, BdM14, CFGL16, Finn95, GSC18, Li07, MMP16, NW01, NBHN17, Szy11, SBL12].

Piecewise-Planar [BdM14, MMP16].

Pigment [XTJ+07].

Pigmentation [BW17].

Pigments [Cal96].

Pile [SM14a].

Piles [PGGM09b].

Piling [BHBD+15].

Pinchmaps [TC05].

pinscreen [LG92].

Pipeline [AEW90, BR02, BBT99, Hea90, Kra89, FS92, Hea89, LEM+17].

pipeline-enabling [FS92].

 Pipelines [SBF15].

Pisa [MR06].

Pix [BBAM12].

Pixel [Co05].

Pixel [B003a, B003b, Bel87, CZGF05, DFY14, HK09c, IGMK+16, JMD15, KCL+18, KLC+15, KYC16, LCO08, MCO97, Mill84, OJS+11, PO85, SW04b, TBP18, YiC+12, PWC+09, KLC+15].

Pixel-Accurate [HK09c].

Pixel-Aligned [KCL+18].

Pixel-based [OJS+11].

Pixel-Level [SW04b].

Pixel-Precise [TBP18].

Pixels [EMA+13, MS13, PK10, SI97, TM13].

PixelSNE [KCL+18].

Placement [BWRT96, CJ90, FCOL00, KFR18, P186b, SE04, Vaz07].

Plagiarism
Planarization [POG13, PLAN [CY89], PLAN-I [CY89]. Planar [BV09, BPY16, BdM14, CG17, Day88, DSL15, HCW17, HBA12, LVT08, ND06, NC16, OLA16, SP13, SBC16, SSL114, SBCBG11b, WBCG09a, ZSW10a, vKvLV13, MMP16].

Planarization [POG13]. Plane [AMAM13, HHD03a, HHD03b, LCM+06, Szy91a, Szy91c, VMTS10, vKvLV11].

Planets [DGGK11]. Planned [LLSS03a, LLSS03b, TBW+11]. Planner [HMP+12, Lam09a]. Planning [AGR19, BSK+17, CWKS00, CY14, GSHN94, HMP+12, Joo86, KAAT03a, KAAT03b, KKSS15, LSR17, MP10, SMS+17, WBFvL17, ZV09, vvTvS4].

Plans [GC96, WKS+14]. Planar [POG13]. Plane [AMAM13, HHD03a, HHD03b, LCM+06, Szy91a, Szy91c, VMTS10, vKvLV11].

Plausible [CCM16, ED08, GVS+15, Lew94, WW11]. Playing [WLSG03]. Plays [ODS18]. Plenoptic [GL10b, WILH11]. Plot [BFG+17, MHDG11]. Plots [AKMM11, GKL17, GRPF16, KAR15, KZZM12, LAE+12, RSSL17, SMSL17, TWD+13, WZL+12]. PLUS [Bak90, Bak91b]. Poetry [ARLC+13]. Point [AKP+05, AA06, AP10b, AMT+12, AW13, BSW+12, BS08, BTS+17a, BTP13, BM12, BM16, BB12b, CCLN10, CG12, CACB18, DKL10, DQG+12, DMSL11, DoKSW12, DBG99, FHHJ18, GCSA13, GBKG04, GBP04, GBP05, GGG08, GKM18, HCDC18, HMB08, JWB+06, JK13, JFS09, KS11, KS12a, Kei04, KZ04, KMLG12, KB00, KTO11, KJT14, LA13, Lar10, LKC08, LCG10, LSW09, LGW18, MEMO14, MW11, MBR+13, MC17, MAM14, MMG06, MSS+10, OMMG10, ÖGG09, PCKS16, PKG03a, PKG03b, Pe91b, QCW+18, RPZ02, RL14, RL09, RDK13, ROG17, RÖPG8, SYM10, SSG17, SWK07, SSW14b, SY12b, SHS13, SWG08, TOZ+11, VHB08, VMG09, WYZC13, WBG+13, WXL+13, WMB15, WXR+16, WSG05, WK04, WDR09, WXW18, YGJ+14, YLX+16, ZQK04, ZCBK12, AS00, CATM09, DCV14, Kur15, NGM14, SKC01].

Point-and-Swipe [LCG10]. Point-Based [JFS09]. Point-Light-Based [DKL10]. Point-Sampled [AKP+05, AP10b, PKG03a, PKG03b, WSG05]. Pointcloud [MAM14]. Pointerless [LMP+10]. Pointillism [WTLL13]. PointProNets [RÖPG18]. Points [AKP+05, AR95, BG108, COO15, CCFM08, CCM16, CJW+09, DHvOSW00, EMA+13, EBV05, FDJ14, FS91, Gro01, GBP05, GGG08, GST14, GTG17, HTG14, HHH98, LIY09, LS16, MS13, Nas03, OM13, SPOK95, SSW14b, TIS+95, TM13, WSR+13, WSG05, WDR09, ZL05, ZSW+10b, vKvLV11].

GDG12, GPG+16, HWA+10, HSS17, Hua17, IMIM08, IMAW15, KWM15, KKS+12, KS18, KPK10, KK11a, KMK12, KBK13, LLC+10a, LLD12, LLM+17, LWW11, LZB17, NGDA16, NBA18, PGGM09b, RJT18, SS08, SPS95, STBB14, ßBM+10, SPK+14, VKW+12, WCGG18, WC16, XM15, YB18, YKH+09, GDGP16, LSN+14, DCNP14, JPC14, LSN+14, MVLS14, SKK+14b, SKK+14a. Procedurally [JBL+06]. Procedure [MK06, YF85].

proceeding [HHS89].

proceedings [ACM80, BH96, BJ94, DJ88, Enc81, HP95, HK94, PB95, PS96b, Req86, SvZ95, TT95b, TB84, Van80, Van85, WG82, th83a, Ano96s]. Process [KK17, MRD12, MJK11, Hea89, RPP93, SBD+15b]. Processes [EWK+13, Gdl17, OAM+18]. Processing [AR06, ABC+04, AGJ12, ABCCO13, BCD+13, BPVR11, BS12a, BCK+12, BLK11, BLP+13, BCGL18, BvTH16, BSEH17, BB08, ßHM+13, CG16a, CK10b, CK11a, CCW+12, CG16b, CCTL12, CNKI13, CKSW08, DZD+16, DTV15, Des06, DGE+09, DJM12, ßMP+12, Edma83, ESP08, EWMU13, FLL11, GO15, GCW15, GD85, GE04, GGRZ06, GBP05, GLGW12, GLLR11, HP04, JBG17, JH12, Jes16, JESG12, JLW+13, KT09, KO88, Kaz15, Kim15, KKL16a, Kob03a, Kob03b, KSH04, KBvP+17, KM83, KS07, LMM10, LCCC13, LTH08, LSJK09, LWL+16b, LLC13, LLW12, LLSC13, LCHB12, MWS+16, MSL11, MK06, MCM+12, MBG+12, MRAS17, NVT+14, Pat16, PSHZ+15, PK15, RGW05, RTK+14, SY12a, SWPL08, SMS01, SSK+05, SSFS06, SZAB04, SCM+19, SY12b, SO12, SP06, SLHC12, SJ+16, SBCBG11a, SKWL13, Sor06, SSB05, SF83, TWS+11, TSS+11, TBKP12, TPC+10].

Processing [TBTB12, TSP05, VC04, VL08, VB14a, VF14, VCD+16, VBHH13, WZH13, WWL+13, WLM13, WKG85, WHL10, WMTG05, WGO+14, XXC13, XSQ13, XKKH17, XADR13, YGL+09, YFW12, YL11, ZVD10, ZH12, ZCZL13, ZCF+13, ZFJ+16, DPT+08, Jac85, JFS09, LEM+17, SAE93, YN93, YDT+18].

Processor [CY89, MH13, Sch88, TP88, VL93]. Processors [BB88, FG88, HB92].

Product [CAM08b, HEV+16, LMLF15, LS08b, NMR+18, PF90, RLB+19, Bar93].

Production [BL08, CBTB16, Coc83, ENSB13, Gol85, USSR11, Zot08, Jon96]. Products [IFL13]. Professionals [Ano03c]. Professor [Wil06a]. Profile [JKK+18].


Program [DI18, YB18]. Programmable [BIMO04, BS03a, BS03b, Ert02, HHF12, MH13, MGC+16, MRT08, SCD05, SBF15, SG03]. Programme [BH06, DS09, Ano05g]. Programmer [Hew84b]. Programming [Ano95q, Ano96c, Ano98e, AS98, AHR85, Deb18, DH08, FK09, GCW15, Gna82, HG13, HM86, MFDA86, MTV11, RLGH15, SY14b, Vel99, WSSC11, AHR93, CL92, DM92, VCDF95, WT93]. Programs [Duf88, KM83, RJT18].

Progressive [BEF17, BG02, CVDL16, CC06, CLT+08, CVYW11, CL03a, CL03b, CKK18, DLK10, DW13, DG12, DBG99, FP04, GE98, GG14, GG15, GRR+16, HBW11, HMB17, JRJ11, JWL+13, LJBA13, LSS98, NG97,
Quadrilateral-only [DSC09b]. Quadrupeds [SRH+09]. Quads [HKA15, KP15, RRP15]. Quadtrees [CFFP84, PG94]. Quadtrees [MA91].

Quality [BBK+18, BBDM85, BHU10a, CSI09, Csé18, DBS+18, DW13, EHH+13, FAVM09, GHX+17, GBP07, GMSK09, HK09a, HMS09, HCA+12, JC10, JWC+11, JC08, KZ08, Kle06, Lav11, LWZ+09, LLX+11, Los97, LD97, MS11a, MTM12, MSW10, MH00, NS01, PHE+11, RW08, RPZ02, REH+11, SBE16b, SSO+10, SA15, STM93, SL01, SGYF11, SDK+15, SKDM05, TSP16, TAE16, ÜFE10, WZK16, ZIS04, ZBW11, BAT11, BEM11, DDM03, WXL+13]. Quantiﬁcation [MMNG17, SMB+17]. Quantiﬁcation [ARH12, AKV15, ER18, RSM+16, SLB+18, YYL+16, KGGP18].

Quantitative [ARH12, AKV15, ER18, RSM+16, SLB+18, YYL+16, KGGP18].

Quasi-Affine [NR95]. Quasi-Developable [JKS05, TFBC09].


Quaternions [McD10].

Queries [AEWQ+15, BWPP04, EL01, LMM10, LPK13, MRS08, MRS12]. Query [MW18a, MHHH15, Dec05]. Querying [LJH13, Sal96]. Queuing [KKS+17].

Quick [DNK+95]. Quicks [Str83]. Quotient [OMPG13].

r [FR92, Pri85]. R&D [tHS90]. r-sets [FR92]. Racing [GC09].

Radial [AR95, BK05b, DBS+11, GL12, IYS+13, IWP+04, MGV11, RSC01, RSS17, SMG10, FS08]. Radiance [GKB09, HMS09, HP02, JZJ08b, MSW04, PLPB07, SNRS12].

Radiance-Cache [HMS09]. Radiative [LF00]. Radiofrequency [RWS+10].

Radiometric [LP15, LGM+18b]. Radiosity [Ano99m, AM95, CSN04, CAH00, DHS04, FP94, GH97, GSA03a, GSA03b, HDS09, Hec92, HS98, KSS97, MPT98, MSSK08, MB99, MCL06, MSF00, NNB97, NSW09, ORDP96, PB94, PJ94, Sbe97, SSS02, SGCH94, SIP07, Sha97, SSS97, SSS98, SKFNC97, YPF95, BF93, GH96, LBT92, NS93, NN93, OCL96].

Radiotherapy [CWKS00, RCMM+16]. Radix [HKS09]. Rain [DTA94].

Raman [SPB+17]. Randy [Cal07]. Random [Coq85, CH09, ERA+16, KCL06, LR88, Sbe97, SB13, SR14, SKCA01, ZFE16].

Random-access [ZFE16]. Randomized [TWJ06, JCT14]. Range [AGDJ09, BDA+09, CZ09, CLK14, CACB18, GPRS14, HL03a, HL03b, KK08, KMS05, LPK09, MBRHD18, MV09, SHG+16, WO02, YMMS06, EMU17, PFC+05, RR96]. Range-Space [AGDJ09].

Rank [DDKL09, KhHS12, LZZ+15, LZFH18, SJF11, ZFJ+16]. Rank-1 [DDKL09].

Ranked [MGS07]. RANSAC [LWL+16a, SWK07]. Rao [SKMS18]. Rapid [GD01, KGL+98, LJB13, NS01, RPLH11].

Raster [AO86, AOS7, AEL+82, HHA82, Lin85, Pil85, Rick7b, RM89, SK86, SF83].
Rasterisation [LCD10]. Rasterization [AMTMH12, LCD09a, MS11a, MS13, MBGS01, MTAM12]. Rasterized [ND12]. rasterizing [AP92]. Rasters [van87].

Rates [IHS02, PMDS06]. Rating [KM16]. Rational [DBS +18, OBGB11, SBO18, VB14a, DER +10]. Rate-distortion [VB14a]. Rates [IHS02, PMDS06]. Rating [KM16]. Rational [DBS +18, OBGB11, SBO18, VB14a, DER +10]. Rate-distortion [VB14a]. Rates [IHS02, PMDS06]. Rating [KM16]. Rational [DBS +18, OBGB11, SBO18, VB14a, DER +10]. Rate-distortion [VB14a].

Ray-bundle [TSdSK13]. Ray-Cast [LK10]. Ray-Casted [CDG +07, FKE13]. Ray-Casting [FQK08, HSS +05, KZ08, KSN08, RS08]. Ray-generators [ES94]. Ray-Tracing [BBDM85, CDP95, HHH12, SC95, SKALP05, NG97, PJ94]. Raycasting [BES15, Fre18, Fru94, LCD09b, RSTK08]. Rays [DHK08, GGW98, HHH12, Sun92, HRRR18]. Ray tracing [AKP +05, GPP +10, LCD10, MW06]. RBF [KWN +14]. Re-coloring [RGW05]. Re-Compositable [LWL +16b]. Re-evaluation [VV09]. re-positioning [TAAP +16]. Re-Using [HS99]. Re-Weighting [ZHD18]. Reaching [KAAT03a, KAAT03b]. Reactions [LPSV14]. Reactive [SH16, NG03a, NG03b, PPD07]. Readability [APP10]. Reading [MRL +17, OA14]. Ready [HBL17]. Real [ATK17, AHT04, AMT +12, BSW10, BPA16, BH11, BM15, BK05b, BPP08, BLW11, BNC96, BN08a, BHN10, BN12, CP88, CRC +15, CLH +08, CWK07, CCI13, CMT02, CMT05, DER +10, DRS08, FD09, FR00, GO10, GMAG15, GS09, GBP05, GJJW08, HSS +05, HL01, HS04, HREB11, HR10, HK00, HSSK18, IGMK +16, IK01b, ISYM15, IFDN12, JKL10, JKL13, JSLW14, JZYP18, KMHG13, KSCN19, KMB +17, KTe06, KK14, KCO8, KNN +08, LD04, LDdLRB16, LMP13, LKEP14, LKCO8, LE13, LCC +17, LCP +12, LDGN15, LO95, LLD10, LJJ13, MD19, MO10, MRM +18, MA00, MW11, MBM13, MBJ +15, MSW04, MC10b, MPBM +17, NK99, NB94, NKL10, NS09, NG03a, NG03b, NKE +16, NS09, OT11, PDP +15, PBK10, PD04, PP89, Pud94, RZLG08, RLL06, RIF +09, RH06, RHL12, RSK08, RD05, SSSK04a, SW08a, SWP11]. Real
[SYM+12, SBD15a, SL07, SM14b, SDB97, SG03, SGEM16, SDHD17, TST+15, TCRS00, TLC02, Tok15b, UT02, VVE+10, VW18, WS03a, WS03b, WW+10, WMB15, WRK+16, WRS01, WHH+14, XGL+07, XLL+10, XWZB17, YWB03, YHGT10, YCL+17, YWY10, ZTT15, ZFE16, ZM16, ZCP07, hZCK98, ZRJ+15, BCF+05, DRBR09, HNJ+14, HGW92, Kni93, Lam09a, MC02, RTK+14, SKSK07, WJG+16, WRS01, WWH+14, XGL+07, XLL+10, YCL+17, YWY10, ZZT15, AHT04, BNC96, BNH10, BN12, Cal96, DKH+14, GMM15, GLHH13, Han05, HGW92, HCA+12, JBB+08, JRJ11, KÖS+15, LJK+12, MGG+10a, MMG18, McN01, ME98, NDD14, Neb00, NDD14, PMDS06, QNTN03a, QNTN03b, RBG08, RSTK08, SHSK16, SKZ11, TFK+03a, TFK+03b, WWT+16, WW11, XLTP03a, XLTP03b, XLL+10, ZCT18, ZHK15, CS93, HD14a, Pur03a, Pur03b, RMS+08, Vo93].

Real-Time [AMT+12, BSW10, BPA16, BM15, BK05b, BLW11, BN08a, CLH+08, CWK07, CMT05, DR08, FR00, GO10, GMAG15, GS09, GBP05, GJW08, HSS+05, HR01, HKN18, HREB11, HR10, HK00, IGMK+16, ISYM15, JKL13, JZYP18, KMH13, KSN19, KMB+17, KK14, LdLRRB16, LMP13, LKEP14, LK08, LCP+12, LDLG15, LLD10, MD19, MO10, MW11, MBJ+15, MC10b, MPBM+17, NG03a, NG03b, NKF+16, OT11, PBK10, PD04, RLN06, RIF+09, RH06, RHL12, RD05, SWP11, SYM+12, SBD15a, SBD97, SDHD17, TST+15, TLC02, UT02, VW18, WS03a, WS03b, WRK+16, WRS01, WW+14, XWZB17, YWB03, YHGT10, ZTT15, ATK17, AHT04, BNC96, BNH10, BN12, CRC+15, CCI13, CMT02, DER+10, HS04, HSK18, IK01b, IFDN12, JSLW14, Kle06, KC08, LCC+17, LO95, LH13, MMM+18, MSW04, NKL10, RZLG08, RSKN08, SSSK04a, SL07].

Real-time [SM14b, SG03, SGEM16, Tok15b, WWH+10, WMB15, XGL+07, XLL+10, YCL+17, YWY10, ZFE16, ZM16, hZCK98, ZRJ+15, BCF+05, DRBR09, HNJ+14, Kni93, MC02, RTK+14, SKSK07, WJG+16, YNBH09].

Real-world [PD+15, YMMS06]. Realism [BK17, Box90, LCC+18, TSP05]. Realistic [AM02a, ARB+18, ACV+14, BCF+05, BNH+16, BPMG04, BNH10, BN12, Cal96, DKH+14, GMM15, GLHH13, Han05, HGW92, HCA+12, JBB+08, JRJ11, KÖS+15, LJK+12, MGG+10a, MMG18, McN01, ME98, NDD14, Neb00, NDD14, PMDS06, QNTN03a, QNTN03b, RBG08, RSTK08, SHSK16, SKZ11, TFK+03a, TFK+03b, WWT+16, WW11, XLTP03a, XLTP03b, XLL+10, ZCT18, ZHK15, CS93, HD14a, Pur03a, Pur03b, RMS+08, Vo93].

Realities [Ano98w]. Reality [AKB+95, AJL+11, BCBW10, BES00, BWR96, Bry96, CSLM13, CKE+12, Fac97, GTB+13, Haa96, JBB+08, KKK18, MS10b, MJK11, PTW13, RGSK10, SS96a, SP13, SYC10, SG96b, SG97, TLG99, WCB+95, YJD+18, Zar06, KBG+15, MGG06, MC02].

Realizing [Bro95, VCFDF95]. Really [CAH00]. Realtime [BS19, CPZ+15, DSW09, KBK13, XWB15, YLHQ12]. Reanimating [BBPV03a, BBPV03b]. Rear [CSC+18]. Rearrangeable [YIC+12].

Reasoning [Duk95, KNH+18, KKL16a, NPCB17]. Recognition [DLGY12, EBSC99, SBG17, SRG16, ZDJ16]. Recognition-Difficulty-Aware [ZDJ16]. Recoloring [HZMH14, HWL18, KKL16a, NPCB17]. Recolourization [DRA10].

[BSCH18, DPT+08, DZM08, LFGG08, MPS08, MB08, RK10, SWG08, WL08].

**Reconstruction**
[AKSA09, AAK+09, AIAT12, AS96b, AGDJ08, ACV+14, BV09, BPW14, BEEM15, BB00a, BCS96, BTS+17a, BTG95, BG08, BLK11, BHGS06, BdM14, CT11, CD10, CCLN10, CWW+11, CLCL11, CCC+14, CFGL16, DLRW09, DLS10, DGQ+12, DIMAL10, DFY14, EMK09, ECN14, FCGA97, FAVM09, GS14, GHH01, GCSA13, GKS00, Gro16, GTS86, GMW97, GLLR11, HTG14, IKL+10, IEK+14, JWB+06, JJKL18, JSLW14, KPS95, KB014, LPK09, LA13, LDGN15, LEE17, LBD+08, LCD10, LTX+14, MPS08, MSS11, MVZ16, MPM+14, MB08, Men95, MC10a, MKU15, MRL10, MWW16, MDD+10, MVH+14, MMP16, MWA+13, NOS09, NSC14, NJGW15, NP00, NMOT01, OMW16, OPC96, ÖGG09, PM16, PZY08, PG08, PSDB+10, PGK10, RWW16, RLH+18, RL17, RL09, RK09b, Sad09, SYM10, SDF09, SKZ13, SSW14b, SYX+11, SLS+06, SBCBG11a, STC+16, SMG10].

**Reconstruction**
[TOZ+11, VHB08, VMA+04, VMG09, WO02, WLT12, WYZC13, WXL+13, WGS10, WLI+12, WLSG03, SBB14].

**Records**
[RCB11].

**Recovering**
[AAK+09, BCD+13, BEKB15, PG94, PH17].

**Recovery**
[ACKM16, AP10b, DZCC19, Kob05, RMC17, Vaz07, HNJ+14].

**Rectangles**
[SK86, UFK13].

**Rectification**
[ACOM12].

**Recurrent**
[SBL12, YYZZ18].

**Recurrent**
[ZCOAM14].

**Recursive**
[GO15, NW01, PN97].

**Redirect**
[WBM+18].

**Reduce**
[KLD+09].

**Reduced**
[BNH+16, BG08, CZ09, CGH18, MKU15, SO12, YWHB18, ATW15].

**Reduced**
[LeYTM08].

**Reducing**
[GL10b, HF16, WO94].

**Reduction**
[LW10a, LGMT+18a, LPG13, MIGMM17, PSPM12, Red96, RGG15, RL15, XSE14].

**Reef**
[TVD09].

**Reevaluating**
[RI17].

**Referred**
[Ano96t].

**Reference**
[BPKB14, CPP08, DP93, DGC+98, HČA+12, Pin92, PNR89].

**Referenced**
[vGPNB17].

**Refrain**
[BS08, DLS10, DS11b, DRS08, GB05, HMB17, KT09, KP18, UKCB15, VCP09, VK18, ZWRH14, GH96].

**Refinery**
[KRD+15].

**Refining**
[IY10].

**Refitting**
[VKJ+17].

**Reflectance**
[BR97, BB12a, BCRA11, DLD12, FLBS07, FG+16, GPK+12, GKD07, NN89, NNSK99b, NNSK99a, NSRS13, PdMJ14, PR12, RSK12, Sch94c, XDR11, dFH+11, Sch94a].

**Reflectances**
[OYH18, BSH12].

**Reflective**
[LF97, PMDS06].

**Reflective**
[EFK12, KM96, MS16, MMRO13, MTKO02].

**Reflective**
[LWLD11, PMDS06, RH06, XW15, WWY08].

**Reflective**
[IDN03a, IDN03b, LL01, DKR+14].

**Reflectometry**
[LDW+10, RGP16].

**Reflect**
[MMP09].

**Referring**
[YWM15].

**Reformulating**
[XHC+18].

**Refraction**
[YIC+12].

**Refraction**
[BSW10, CRGZ10, PSP10].

**Refractive**
[CRGZ10, DZC11, Hol15, HLL07, IDN03a, IDN03b, DKR+14].

**refresh**
[DER+10].

**Region**
[AMSF08, EWSH08, GTOG16, Ric87b, RBC14, BM93].
Region-Fill [Ric87b]. Regional [FHHJ18, SSM12]. Regions [BK01, CFFP84, LKEP14, MRM+18, MZT09, NSY09, PKPH09, Wil87a, WO92].

Register [VH15]. Registering [CZ08, HAWG08, LSP08, SG08, SWG08, ZSCO+08]. Registration [ABCJ10, BCK18, CZ08, CZ09, CCTL12, CDPS09, HAWG08, LD06, LSP08, MAM14, PR19, PB11, PD16, SM10, SM11, TST+15, TF15, XXY+18, YLL15, YMYK14, ZST+10, FFC+05]. Regression [BRM+16b, JL17, KHIK01, NCKG00, PBK10, SMSL17].


Regularized [RMC17]. Regularizing [MVZ16]. Regulatory [WVKR08]. Reinforced [AAS+16, RPK+12, LZY+17]. Reinsertion [MB18].


Relationships [BHR17, BSW+14, CTL13, HRD+15, JKL18, KWD14, KGM+10, PMD12, PB90, VM12, WDM+12, YWS+14]. Relative [LG96]. Relativistic [JMV+15]. relativity [GMDW09]. Relax [LBRM18].

Relaxation [KKBL15, SJ09a, SJ13b]. Relevant [LAE+12, PMW86, PCR11]. Reliable [SBLC17]. Reliability [SBLC17]. Reliable [KBT+12, WLT+17]. Relief [ABG+12, ABB+07, ABCN10, BJCW09, Gia18, JSLW14, KWC+12, ZZWC16].

Reliefs [ASH15]. Relightable [LWS+13]. Relighting [CCC08, Dut04, HVM+08, IFL13, MTR08, NKLN10, VSG+13, WDC+08].


Removal [AKSA09, ABC11, GTK+12, JD98, KSCN19, MWS+16, SL08, SSS+12, TIK17, XSM13, XXZC13, ZZLX17, vGPNB17, Hea89]. Removing [BB17, KS13a, Pas02, WYD+13, WYKR17]. Render [SP+94].

Render2MPEG [HKMS08]. RenderBots [SGS05]. Rendered [CHM+13, LCSL18, WW09b]. Rendering [ARC05, AGG+08, AFK+14, AHTAM14, ABB+07, ACV+14, Ano07], AWB08, BW09, BSW09, BSJ08, BB09, BR07, BEEM15, BSAP11, BPA16, BMD+08, BJCM09, BOB13, BRM+16b, BWPP04, BM15, BNH+16, BG02, BPV+09, BPMG04, BPGM08, BB17, BBP08, BLW11, BG07, BG09, BN08a, BNH10, BN12, BL08, BBP09, BES15, CCS95, CS99a, CJW+06, CNCO15, Cal96, CRGZ10, CSL09, CLH+08, CKB04, CSD11, CC08, CWW+11, CYY+11, CBTB16, CCI13, CMF18, CYJ02, COF95, CKM+99, CDPS09, CNS+11, CMH+01, DKH+14, DWL+09, DDKL09, DCGG11, DWR10, Ðec05, DMNV12, DSW09, DER+10, DWE03b, DKN+95, DKC00, DJZ+09, DLBLW15,
DC10, DFY14, DDC09, DBHM03a, DBHM03b, EWH08, Elb99, EBR+14, ENSD12, ESKD14, ER18, EKM01, EBA+09, ESK03a, ESK03b, FCH+06, FQ08, FP04, FC10, FV14, FLJ+14, FSES14, FW99, GD16]. Rendering [Gar09, GKB09, GKB+11, GDML13, GKPS12, GMG15, GHK+10, GCP+09, GMC+06, GKD07, GPK06, GPGSK18, GRC13, GPRSI4, GGG08, GFW+06, GKT16, GRR+16, GSMA08, HK09a, HSS+05, HB96, Hal99, HS99, HD14a, HBRW+12, HL01, HDBRC17, HBRD+18, HVAPB08, HHS05, HWK+10, HKMS08, HMK+95, HH02, HHD03b, HFE13, HMB08, HREB11, HK03b, HK90c, HR10, HRRZ12, HLL07, HHD+12, IP00, IGK+16, IRWM17, IDN03a, IDN03b, IFDN12, IMDN14, JW97, JBB+08, Jan91, JA18, JZJ08a, Jen97, JKL13, JCW11, JSYR14, KA01, KHM09, KWN+14, KBLE19, Kon06, KDCM14, KOS01, KUMY10, KW05, KQWM08, KKR18, LW+94, LMD04, LA05, LB06, LWD10, LMP13, LVP18, LD07, LKC08, LL09, LE+13, LLA06, LSR17, LGB+03, LC99, LLG97, LMS04]. Rendering [LMPD15, LLHY09, LBH12a, LG95, LGG97, LLD01, LCM+06, LCD09a, LCD09b, LWBP14, LA15, LKG+16, LPG13, MEMO14, MW11, MS14, MS16, MBM13, MVZ16, MFPA15, MMBF08, MT01, MBW08, MBJ+15, MFF10, MS98, DBS14, MSW04, MPS05, MSHD15, MKB+05, MH13, ME04, MGA95, MDKW08, MMS+05, MSK06, NIDN16, NG17, NPCB17, NPW10, NKF+16, NIDN97, OKP+08, OT11, OKG+10, OII04, OP10, PHE+11, PBPP11, PLPB07, PW+09, PP08, PSL98, PCF05, PC12, PMDS06, PA01, Pur03a, Pur03b, QNTN03a, QNTN03b, RHR+12, RBG08, RGB+14, RS08, RKR+12, RRS12, RKR+16, RAP08, RPZ02, RZLG08, RLH17a, RSK06, RSTK08, RSD+12, RPLH11, RGG+14, RBDD18, RH06, RMDD+08, RZM13, RK09a, RMS+08, Rus01, RD05, SDG99, SHSK16, SBE16a, SHLS02, SW08a, SYM+12, Scn94b, Scn88, SBF15, SPH+09, SGM+11, SKZ11]. Rendering [SRK13, SC08b, SDS+16, SHZD17, SHP+19, SLTM08, SKD05, SBV10, SCM+09, SKKS14, SMTG07, SB99b, SFW03a, SP03b, SGG15, SGM16, SE02a, LE02b, SBLD03, SvLD03, SJ+10, SKS09, TMS94, TCRS00, TMO04, TPS8, TDDD18, TW10, TRS08, TSDS13, Tob15b, UWP06, UYSS11, VCRG14, VSD09, VCL+11, VSG+13, VW18, VVC+11, VPH99, WB01, WS02, WW09, WW+10, WK12b, WZKP14, WMB15, WTL15, WZL+17, WGG07, WW09a, WSR+17, WSE04, WG12, WE97, WNS+10, WWT+16, Wie96, WND+14, WQ02, WT11, WS09b, WDR11, WYKR17, X2P+13, XLT03b, XGL+07, XJJ+08, XSE14, XWB15, XCDR10, YZXW12, YDF+10, YMK12, YNO0, YMO6, YLKO8, YW97, YMS10, YWV+10, YIC+09, YIC+11, ZISS04, ZFE16, ZOA+18, ZCG08, ZRJ+15, ZJL+15, BCF+05, BL093, BJ94, CBV+14, DTKT93, DSSD99, GGM12, KBB+15, KWF+01, SD10b, SKK+14b, TKN+93, WZC+11, WJG+16]. Rendering [Ano95d, Ano95c, Ano97g, Ano98h, Ano98g, Ano98i, Ano99b, ANO95, ANO96]. Renderings [BRM+16b, VAN+19]. RenderMan [SPS94, SPS95]. Rendition [HS99]. Reordering [BBR+16]. rep [CBV+14]. Repair [BK05a]. Repairing [HHCJ18]. Repeated [HZZ11]. Repertory [KW18]. Repetition
[ASW14, Ano95e, Ano96b, Ano97h, Ano05e, Ano13i, Ano16i, Arb90, Arn84, Arn94, AUS90, Aus91, BBT11, Bla88, Bon85, BCD+12, Bou90, BP82, BP83b, BG85, Bro90, CP88, Cla88, Cre88, Dau90, Duc90a, Duc91, End83b, End84b, End84c, Gal84, Gre84, Heg90, Hég91, Hew90, HP84, Jan89, Jan91, KB90, Ki85, Kje91a, Ku91, KWi89, Las84, Le 90, Lis90, Mac85, Mae90, MNP+17, Mar82, MTP508, Mum86, Mum90, MKRE16, Ott90, PH91, Ros82, Sch85, Sei88, SJ09b, Str84, Suz89, SW83, TDS+16, Vel91, Wat88, Wei08, tH83b, van89b, Kid84, Ano04g, Ano07l, Ano11e]. Reports [Ano98y, Ano98x, Ano99j, Ano99k, Ano99l, Ano00h, Ano00i, Ano02f, Ano02g, Ano02h, Ano02i, Ano05g, Ano06g, Ano07h, Ano07i, Ano07g, Ano07k, Ano07j, Ano07l, Ano08a, Ano08e, Ano08f, Ano08d, Ano09c, Ano10a, Ano10b, Ano10d, Ano10c, Ano11c, Ano11d, Ano11e, Ano12d, Ano12e, Ano12f, Ano13f, Ano13g, Ano13h, Ano13i, AJL+11, Bar06, Bot07, BPB+04, BCRA12, BH06, CSLG10, CA05, Che06, CG07a, CDD09, DS11a, DFIM15, Des06, DHKS05, DL04, DSO9, Dre07, DT04, Duc06b, Duc07, Fmk04, GP06, GGG+16a, HEtH+83, HJL07, ID10, IC11, Kau07, Kei04, KRP+15, KSH04, Kon06, KBC+15, Kuh12, Kun04, LfS+11, LMD04, LF11, LLR+04, LLRD07, MRS06, Nsg06, Neu06, Oll04, Pat16, Pggm10, Psl0, Pur7, Raf05, Sca04, San06, Sza04]. Repositioning [IEH+14]. Represent [PC94]. Representation
[BBK+19, BCG+96, BOK11, BK03c, BK03d, BP01, CZCE08, CDS16, CL99, Cot85, DDP00, DZCC19, FW17, FAC017, FLW00, Gos86, GBK04, GGG+16a, GLR11, HVH+16, Her89, HO17, IU01a, Jes16, JA95, KJC+11, LD81, LJ9+12, LHH+13, MTK02, MG09, Mmng17, MRL10, Mfl13, Mra17, Nab86, Okp+08, OfL+14, Pat89, PG04, RB+19, SB99a, Spok95, Sarzl15, Ukb15, Whc15, Wh17b, Whl17, Xh+13, Xs06, Ch12, Gm12, Gdp16, Kma05, Mrm+18, Wfd13]. Representatives
[AAB+96, ADf85, BFR17, Cci+07, CR16b, Ga98, Hmdd05, Har97, Hmw+15, Hsvk18, Kob03a, Kob03b, Par89, Sr96, Sor06, Sdkg18]. Representative [Jpn15, MW18b]. Representatives [SSS+12]. Represented [AS95, VS09]. Representing [AM00, FAC017, Lie17, Qsw92, Rlh+17]. Reproducible [SLSG16]. Reproducing [Ahks94, Oyh18, Ymm06]. Reproduction
[xHMc09, Zhm08, Zchm09]. Resolution
[AVR10, Bpmg08, Dbs+18, Fgt+16, GBw16, Hcdc18, Hhnc19,
KCL +18, LBG16, LeYO +10, LWZ +09, NDG17, NB12, PK08, PGG +09, SJB +17, SKTM11, TTN +13, VG00, WS02, WH04, WHL +04, ZLZ +18, ZBW11, ACA18, DT15, KKK18, LCC +17, VF14, ZLYL17.

Resolution-Independent [NDG17, NB12], Resolved [JMV +15], Resonant [LFK +13], Resource [DDH +18, St88], Resources [BBS +09].

Response [DW13, RCMM +16], Responses [LC09], Responsive [XLL +10, YL10], Restoration [DCPS08, hKAC07, KMS07, LLP00, PSP +14].

Restricted [NL13, YLL +09], Restricting [CLB +09, SNA17].

Restructuring [xHMC09, LWX +09, WTMT18, ZCHM09]. Results [HH90, Joo86, MSM +08, MW18a, TSP05]. Retailoring [CR16b].

Retailing [BSG +95, CTSO03a, CTSO03b, CYI +10, YL10], Reusability [MCL96, MP10, OCL96]. Reverse [DMS14, HHS05, Jen07, PH17, SMAB02, TT12B]. Reverse-Engineering [PH17].

Reversing [SB99a]. Review [Ano87b, Ano88b, Cal07, CY11, DDM03, FPC +16, FW17, GP12, GL94b, HH11, Kau04, Lan07, MFS08, OLG +07, PF90, RPA +15, UWP06, ten82b, EMU17, GL94a].

Reviewers [Ano07h, Ano10d, Ano11f, Ano12g, Ano13j, Ano14d, Ano15j, Ano16m, Ano17k]. Reviews [Ano97i, Ano97j, Ano97k, Ano98n, Ano98o, Ano98p, Ano99c, Ano99d, Ano00b, Ano00c, Ano02a, Bar05, BIWG08, BDG +04, BBC +05, CON08, How91a, How91b, How91c, How97, LHD +04, MMS +05, NMM +06, Owe89a, Owe90a, RD05, Sor06, TKH +05, WHS +18].

revision [DD92]. Revisions [VD90]. Revisited [BBCW10, BFG +17, KKF +17, MBW08, FZP92].

Rewriting [MH13, PDM12]. Reyes [LPD14]. Reyes-Style [LPD14]. RGB [BIZ18, CJXH17, KLZT16, MD19, ZSG +18].


Rid [SSS98]. Rig [OZS08, SBC +17]. Rigging [BCB +15, BTST12]. Right [AKMM11]. Rigid [Aan18, BT95, BET14, BPWG07, DMYN08, HS04, HAWG08, JKJL18, KLAB15, LSP08, LRB +16, MS11b, NL18, OHG11, PKS10, RKC02, TMRL14, TF15, WDX +13, ZYF13, ZV09, BPVR11, CYJ02, YLLL15, ZST +10, XXY +18].


Road [BK14, GPGB11, NDD14, vDHO16]. Roads [GPMG10, IMAW15, LBA10, NJGW15, NGDA16]. Roadside [ACV +14].

Robot [LMPD15]. Robotics [RPA +15]. Robust [AR94, ARB +18, ATBG08, BG01, BEEM15, BB00b, BPVR11, BCS96, BM12, BM16, CK10b, CFS14,]:
HDL11, HL13, HZN\textsuperscript{+}18, JFS09, JMD15, KD13, KSKAC02, hKLS00, KO19, KPG\textsuperscript{+}16, KJT14, LPK09, LD08b, LK13, LWL\textsuperscript{+}16b, LGZ\textsuperscript{+}16, MK06, MJL\textsuperscript{+}13, MDD\textsuperscript{+}10, NOS09, NHH97, PWS12, RBC14, RMZ13, SXY\textsuperscript{+}11, SJ13b, ST08, Sug94, TST\textsuperscript{+}15, TE18, VSG\textsuperscript{+}13, VVP\textsuperscript{+}16, WTTM15, WW09b, ZWC\textsuperscript{+}10, ZYF13, ZRJ\textsuperscript{+}15, ZVE\textsuperscript{+}14, dGCSAD11, LCLJ10, MS93.

Robustness [WRS\textsuperscript{+}13, dSNV\textsuperscript{+}17]. Rock [PGGM09b, WS01]. Rods [DKWB18, SMH18]. ROF [WZCF15]. Role [Str84]. Roles [CKE\textsuperscript{+}12]. Rolled [SSS\textsuperscript{+}12]. Rolled-out [SSS\textsuperscript{+}12]. Rom [Cse18]. Roman [Ano06c]. Rome [GBU00]. Room [AHM09, MMP16, BMD\textsuperscript{+}08]. Root [Sy91c].

Root-Finding [Szy91c]. Rotating [AKSA09, DJZ\textsuperscript{+}09, SF83]. Rotation [AO87]. Rotational [MGG10b, SFL\textsuperscript{+}16, AFHdL14]. Rotations [Mai00]. Rough [CMF18, Har97]. Roughness [GCP\textsuperscript{+}09]. Round [CD08]. Round-Shaped [CD08]. Rounding [Rok97, YR97]. Rounding-Up [Rok97, YR97]. Route [WTLY12, ZK08]. Routine [ZVE\textsuperscript{+}14]. Routines [RSS96]. Routing [LBA10]. RPCA [MC17]. RT [MBJ\textsuperscript{+}15, RCMA\textsuperscript{+}18]. RT-Induced [RCMA\textsuperscript{+}18]. RTSAH [HI11]. Rubber [STBG12]. Rule [ARLC\textsuperscript{+}13, CNCO15, C90, LLM\textsuperscript{+}17, RT08a]. Rule-Based [C90, ARLC\textsuperscript{+}13, LLM\textsuperscript{+}17]. Rule-Enhanced [CNCO15]. Ruled [AM95]. Rules [GLCC18, PFC15, SB99a]. Run [DS05a, FL19, FND92]. run-length [FND92]. Run-Masks [DS05a]. Runner [RCMA\textsuperscript{+}18]. Runtime [XWY\textsuperscript{+}15, YWKB18].

s [HHS89]. S-splines [KFK94]. Saddles [Pic91a]. SADIST [Mun83]. SAFE [DCNP14]. SafeGI [OP10]. Safety [SMvdWvW15]. SAH [BM15, GD16]. Sail [Haw85]. Sale [KMJE12]. Salience [GVWD06, JC10]. Salience-based [JC10]. Saliency [JJK\textsuperscript{+}18, WCT\textsuperscript{+}15, YCL\textsuperscript{+}17, CCFM08]. Saliency-aware [YCL\textsuperscript{+}17]. Saliency-Driven [JJK\textsuperscript{+}18]. Saliency-Preserving [WCT\textsuperscript{+}15]. Salient [BPVR11, HKB02, hKTL\textsuperscript{+}17, LKEP14, WB01, WG09]. Sample [BEJM15, CKK18, GYC\textsuperscript{+}14, JKL13, KKR18, MB09, SEA08, Yuk15, ZHD18, SHSK16]. Sample-Based [BEJM15, GYC\textsuperscript{+}14]. Sampled [AKP\textsuperscript{+}05, AAK\textsuperscript{+}09, AP10b, AAS17, CCI\textsuperscript{+}07, GO15, PKG03a, PKG03b, VSG\textsuperscript{+}13, WSG05, DCV14]. Samples [CTL13, OMW16, OW19, RSK12, ZHD18, PCF05]. Sampling [AKSA09, AAK\textsuperscript{+}09, AHI\textsuperscript{+}06, BBH13, BV09, BHW11, BELD13, BD16, BNJ15, CLH\textsuperscript{+}08, CWW\textsuperscript{+}11, CWY11, CG12, CAM08b, CAE08, Cse18, DLRW09, DLS10, DDO9, DZM08, EMP\textsuperscript{+}12, EJFadH13, ED07b, FP04, FP94, FCGW02, FV14, FBP08, Gam16, GO10, GG08, HAML05, Hd14b, HEV\textsuperscript{+}16, HK09c, HJS\textsuperscript{+}17, IGAJ15, JC09, KS11, KS12a, KK02, KC08, KF12, KKR18, LK11, LLSS03a, LLSS03b, LGY15, LPG13, MPS08, MPP08, MB08, MHD16, MKU15, MFL13, NOS09, NNSK99a, NPCB17, OXK12, PBE18, RRSQ16, RZLG08, RÖG17, Sad09, SHSK16, SMJ17, SGEM16, SNJ\textsuperscript{+}14, SSSK04b, SKS09, SSKTM11, TSYK01, TBW\textsuperscript{+}11, Ure00, UKF13, UG18, VF16, WGS04, WA09, WZL\textsuperscript{+}17, WWT\textsuperscript{+}16, WND\textsuperscript{+}14, WAF\textsuperscript{+}11, WK04, YZL17, YIC\textsuperscript{+}11, Yuk15, ZIL\textsuperscript{+}15, DTG96, DF93, KJ92, NN93, Sm92].
Sampling-Based [YZL17, LYG15]. Sand [SCA04]. Sand [RSKN08, SOH99]. Sand-Water [RSKN08]. Sanity [LA11]. SAR [SRG16]. Satellite [BPBD08, ZLYL17, SSK93]. Sati‌f‌action [HHS01, Pin92]. SATO [NM14]. Sato [SCA04]. Sbm [Che06]. SC21 [Bou85]. SC5 [Ga84, th83b]. SC5 [Gal84, th83b]. SCA [SCA04]. Scaffold [JE13]. Scalability [MS1a, PHE+11, ZBW11]. Scalable [AWB08, BMH+12, BWS03a, BWS03b, Dwy09, FP15, HHRZ12, HZ+18, KBWS13, KMD+17, KBLE19, LdLRB16, PKS10, PHE+11, SM10, SR19, SPD14, SO10, SGC04, TW10, WDM+12, WBSH+13, YNBH09, ZCZL13]. Scalar [GST14, HW10, HHL+16a, HHC+13, LS16, LWS18, LKG+16, NGB+09, PRC11, PRC12, SSW14a, SW17, WGS10, AM92, ILRS03a, ILRS03b]. Scalar-Valued [HW10]. Scale [ADMAS18, ABCN10, BPM06, BHP15, CIE+16, CYJ02, CBC+16, DMSL11, DSH+17, DWT+11, GLCC17, GLK16, HSBW13, HLO3c, HK00, JKL16, Kje83, KS18, LS10b, LSS+12, LCB+18, LBH12a, MG87, MGB+12, MDM+18, MS93, MHDG11, PD04, SY12a, SM11, SPH11, SR14, SOG09, TBP18, WSSC11, WDAH10, WAF+11, XSS13, ZC18, CD10, DJM12, GDA14, GDG12, LN17, MJBC13, MPM+14, MMS09, NGM+14, PKG03a, PKG03b, PTA+11, SMM13, YLHQ14, ZBQC13]. Scale-aware [JLKL16]. Scale-Invariant [CIE+16, MS93, ZBQC13]. Scale-like [LS10b]. Scale-Space [MGB+12]. Scale-Stack [HSBW13]. Scales [LS10b, LMSF19, YAM+16]. Scaling [ACS+17, BCG08, LNS18, MKR11, SSD12, ZK08]. Scan [CZ09, Che97, CW09, DML10, DKS01, Lin85, Rok97, TT94, WH04, WW87b, YR97, SDD+92]. Scan-Conversion [CW99, Rok97, YR97, Che97]. Scan-line [SDD+92]. Scanned [BL18]. Scanners [RCM+01]. Scanners [MDSB14]. Scanning [BG08, KMHG13, LVT08, LDB+08, PK08, Sco02, PFC+05]. Scans [AKS09, CACB18, LSP08, SJWS13, MPM+14]. Scatter [KARB15, SML17]. Scattered [PS96a, SPOK95, SHLS02]. Scattering [BS10, BNM+16, BN08b, CRGZ10, DBK11, HCJ13, Hol15, JW97, JZZ+15, KPS+14, MKB+05, MEGS11, OXKP12, PP09a, PSP10, RIF+09, SDS+16, SJ09a, SKMS18, WN09, RZLG08, WHD17]. Scatterplot [CSG+18, LAE+12]. Scatterplots [BW09, FH18, HBW11, JZF+09, KZZM12, RB10, SW09, SBL17, SGG16, ZCQ+09]. Scene [ACS+17, BSK16, CSc+18, CGS16, FdABS99, GG15, HZZ11, KLTZ16, KBLE19, LTX+14, LML15, cLC1L98, PMDS06, RA94, SBW06, VBBH13, WO02, WKM15, XZP+13, YWB03, DH93a, ZHC+00]. Scene-Graph-As-Bus [ZHC+00]. Scene-View [KBLE19]. Sceneries [MGG+10a]. Scenery [SDB+97]. Scenes [ASH15, BG08, BHM13, CLDD09, CDP95, CLF+03a, CLF+03b, COFZ98, DKB+16, DMAC03a, DMAC03b, EPC15, ENS12, FML06, GS14, Gar09, GTK+12, GPQ+16, GJW08, GFW+06, HCS16, IFDN12, JVS+12, KBWS13, LC99, LML15, LNS97, LD97, MGY+18, MB99, MC10b, NPDD11, NSRS13, NKF09, ORDP96, PLPB07, PPD98, PSC10, RKRD12, REH+11,
SDG99, SSS02, SHS99, SHL+14, SC08a, SSK07, SG96b, TL01, TsdSK13, VB99, WMG+09, WS02, WXL+13, WG12, YWC+10, YIC+09, ZCW+15, ZLYL17, ZBW11, vKvLV13, BP93, GGG+16b, KBG+15, TNK+93.

Schedule [HTSFP09]. Scheduling [KKS+17]. Scheimpflug [HHNC19].

Schematic [Ben94]. Scheme [ADF85, DRA10, FCGW02, IP99, LKS17, MS01, MHD16, WTMT18, WHT12, AVBC18, SGM+93]. Schemes [HAML05, LM07, RL15, SLLW08, WW98, Ger92, MM18, MK08].

Scholarship [CWG11]. Schönhut [Duc06a]. Science [Arn08, Dav07, Fuc97, HS17, LSS+12, PPBT12, RPK+12, WG82]. Sciences [ABW+15, DPD+15, JNX+08, KOB+08, KBHM15, LLC+12, LMK+15, MMHL08, WVKR08]. Scientific [Ano97s, Ano97f, Ano98j, Duc98, FH09, Haa96, KGP+12, Le 90, ME04, MM93, SASF11, WT17, Wat96, WTHS04, Wei04, Fsh06, Nmd06, MM93, SvZ95].


Seated [HMP+12]. Second [BJJ94, Cla88, End84a, GCP+09, HL13, KASH13, LPG13, MRL10, ORT18, SK16a, Vel91, Hcg91, Jan91, PH91, SCA04, SZAB04]. Second-Order [KASH13, LPG13, ORT18, SK16a, MRL10]. SecondSkin [VSD09]. Section [AJA11, Ano06d, Ano02b, DPW11, DSI11, FWPS11, GSZ11, Hew84a, HP11, KP11, Lav11, MVPG11, Mdr11, NBCW+11, NRP11, OHG11, PB11, Rus11, SY11, SBCBG11b, TOZ+11, VP11, WBCGH11, WSSC11, dGCAD11, vKvLV11]. Sections [BV09, KBT+12, MB08, POB+07, SLL14, DMNV12, HHCJ18]. Security [MSFM16, SmdVvWvW15]. Seeding [ELM+12]. Seeheim [End84c, Mac55].

Seen [GTK+12]. Segment [Che97, SMJI7, Ste84]. Segmentation [AGD09, BLVD11, BPVR11, BIZ18, BK03a, CLT+08, DGV08, DSHW18, FMH16, HMT113, HPH10, HFL12, IY10, IYS+13, Jac17, JWL+13, JKS05, KT09, KWG+18, KJ14, LT17, LWL+16b, LZ07, LCW07, LCH012, NW17, NSS+12, PKG03a, PH03a, RT08b, RTO8a, RBC14, RMG18, SMH10, Sha08, SLK07, SHJ+16, SLLW08, SHS13, STP17, SFLP18, TWS+11, VGB14a, WE97, XXL14, XSX+14, YYPZ07, YL11, YLX+16, ZQX08, ZWC+10, ZT10, ZVE+14, DFIM15, SNK09, VF14, ZZCJ14]. Segmented
Series [AKMM11, ARH12, BBL12, DH16, GRPF16, HJM+11, KCJM16, MLD+18, SAAF18, SWG16, SBM+14, TFA+11, WG11, WS09b, KWS+15, LRB+15, RL15]. Serious [MTVJ11, Saw07]. Service [Ano95w, Ano95x, Ano96q, Ano97p, Ano97-37, Ano97-38, Ano97-39, Ano98-28, Ano98-29, Ano03e, Ano04e]. Serious [MTVJ11, Saw07]. Servoing [MC02]. Service [Ano95y, Ano96r, Ano97-40]. Servoing [MC02]. Session [AW13, AO13, BCD+13, CTL13, CNKI13, CCI13, EWMU13, FWX+13, GDMIL3, GRC13, HSmiCY13, JCK+13, JK+13, JWL+13, KMHG13, LCC13, LJB13, LLC13, LPG13, LLSC13, MM13, RMZ13, SRK13, SYT+13, SHS13, SKWL13, TTN+13, TSDK13, WZH13, WCX+13, WWL+13, WLM13, XWG+13, XXZC13, XZP+13, XSI13, XADR13, YH13, ZYF13, ZCZL13, ZLKW13, ZCF+13, ZFY+13, ZIM13]. Sessions [HEtH+83]. Set [AA06, AMA+16, BK03a, BK03b, CKSW08, DvKSW12, GG08, HCDC18, JK13, Kim15, KTW+13, LA13, LZW+13, LDY10, Man83, MMS07, MBW+05, NM91, ÖGG09, SDKG18, TSB16, Wei04, XDC+13, WLS13, vKvLV11]. Set-based [KTW+13]. SetCoLa [HBH18]. Sets [ASVNB00, Bak88, Bak91b, BDF+14, BSW+14, BM12, BTB13, CG12, CWM09, CPK09, DQQ+12, DMSL11, GCSA13, KS11, KS12a, KWS16, MBR+13, McC83, NNB97, PSK09, RGM+18, RL16, SHLS02, SBG17, SvW13, SEG+14, SAA09, VMO09, WK04, YUK15, AS00, FR92, GRT14, PFC+05]. Setup [ARG+16]. Seurat [WTLL13]. Several [Szy91c]. Shading-shaded.js [SKSS14]. Shaded [Jes16]. Shader [CTHAM10, MRD12, RPLH11, YB18, YWHB18]. Shaders [DBLW15, Lew94, SP95, SW08b]. Shading [ABG+12, BYP95, BL86, BBD10, Cal07, DZCC19, ENSB13, FC10, GRDE10, HSS+05, Kau04, KCO8, KB12, KB89, LTKD15, MTC+84, NM+17, Nar95, PA06, SDB+94, SBF15, SP+09, SPBV10, TTT97, TH17, WJB+13, WB02, WN09, ZM16, HAM14]. Shading-based [DZCC19]. Shadow [AHMAM15, AHT+06, BHB13, BKB+12, BS03a, BS03b, CJW+06, FWX+13, FBP09, GMG15, GBP07, KSCN19, LLA06, LSM15, MWS+16, MSW12, MIW13, NM14, OPP10, PWC+09, REH+11, SVLL10, SBE16a, SWP11, SDMS15, SGYF11, SYF13, SL08, SEA08, TIK17, XLH+13, XSXM13, XXZC13, YFGL09, YDF+10, ZZLX+17, BBA12]. Shadowing [BKB+12, BBAM12, HBA12, NK09, SN08, TT95a, TT97, TW10, YIC+12, ZCBK12, LN18]. Shadows [AHT04, BBH13, BNNJ15, CJW+06, CAM08b, ED07b, ED08, FBP08, FBP09, GBP07, GJW08, HMS09, KPD10, LSM15, LD97, MSW04, MAAG12, NKL10, NPW10, NKF09, OPP10, SVLL10, SSSK04a, SBE16b, SS07, SDMS15, SYF13, SEA08, SARZL10, SN08, Tim13, UGLY08, WA09, WZZP14, WS99, YFGL09, YHGT10, YK08]. Shah [BCGL18]. Shake [WYD+13]. Shallow [DHK08, FHT12]. Shape [AWO+10, AHKS94, AYL13, AGCO13, ATCO+10, AKZM14, AKM16, BLP10, BSK+13, BDC18, BW+11, BD12, Ber09, BCGS13, BCBB16, BMM+15, BEKB15, BN05b, BDS+12, BMHT13, BrvTH16, BBP10, COO15,
CCSG+09, CLE07, CLME09, Coh95, CRA+17, DDÖ+17, DGV08, DBD+13, DMS14, EDPB15, ESP08, EZK08, ESKBC17, EBC17, FSTR13, FG04, FCS+16, GSDG18, GLHH13, GLCX17, GBA09, GL12, GCSA13, GAWJ15, GKM18, HSS+09, HCV17, HBA12, HPH10, HFL12, HsvK18, HWAG09, HG13, HKM15, HO17, HCO18, JWS12, JTRS12, KWS16, KFL08, KSC18, KBB13, KNH+18, KRS13, KSKL13, LA13, LT17, LGH13, LMP13, LKEP14, LJ12, LJL+18, LRBB17, LZSCO09, LPG10, LVW15, LGZ+16, LJC17, LCWK07, MCH13, MGG10b, MBG12, MSAP15, MGB12, MRCB18, MB08, MBT12, Shape [MWCS13, MEKM17, NSC14, NBCW11, NNRS15, NC16, NO17, OLA16, OM13, OSG08, OHG11, OMPG13, PB11, Pat16, PPT+19, PBB+13, PSO18, RLGH15, RBRY19, RÖM+15, RKN10, SY11, SY12a, SY13, SY14a, SY14b, SWK07, SXY+11, SBC14, SC04, SGB13, SGM+10, SSB05, SOG09, SJW+11, SJWS13, TBW+11, TBTB12, TVD09, VPP+04, VT94, WL08, WXL+11, WK12a, WLL+17, WGI11, WSLOG07, WBCG09a, WMZ12, WSSC11, WDAH10, WYY13, WZCF15, XLLX14, XSS+15, JSX+14, XM15, XKHK17, XCDR10, YFW12, YL11, YLH+14, ZHO04, ZSCO+08, ZCHM09, ZWC10, ZZCJ14, dGCSAD11, BMM15, KP11, MWCS13, TWMSK18].

ShapeGenetics [HSS17].

Shapes [ARB+18, AMSF08, Att15, BPVR11, BS12b, BEKB15, CJFH14, COO15, CD10, CZ08, CCSG+09, EBC17, FCGA97, GSTOG16, GMW97, HCGW14, HMW+15, HFL12, JLW10, KFLCO13, LCSL18, Li07, LW+13, LGK16, LMHH14, LMPS16, MCH13, OMT02, OP96, OSG08, OBCCG13, RF06, RX+17, RT08b, RT08a, RBC14, SY14b, SDO09, SLSK07, SGS14, STC+16, SCF10, SDKG18, TTB12, WWF+10, XSS+15, YFW12, YWM15, YLLL15, ZHH+15, ZZCJ14, dGCSAD11, BMM+15, KP11, MWCS13, TWMSK18].

ShapeSynth [AKZM14].

ShapeUp [BDS+12].

ShapeUp [BDS+12].

Shape [CD08, DLC05, KS12b, NS11].

Shape-preserving [ZCHM09].

Shape-Simplifying [KL08].

Shape-Up [BDS+12].

Shape-preserving [ZCHM09].

Shapes [ARB+18, AMSF08, Att15, BPVR11, BS12b, BEKB15, CJFH14, COO15, CD10, CZ08, CCSG+09, EBC17, FCGA97, GSTOG16, GMW97, HCGW14, HMW+15, HFL12, JLW10, KFLCO13, LCSL18, Li07, LW+13, LGK16, LMHH14, LMPS16, MCH13, OMT02, OP96, OSG08, OBCCG13, RF06, RX+17, RT08b, RT08a, RBC14, SY14b, SDO09, SLSK07, SGS14, STC+16, SCF10, SDKG18, TTB12, WWF+10, XSS+15, YFW12, YWM15, YLLL15, ZHH+15, ZZCJ14, dGCSAD11, BMM+15, KP11, MWCS13, TWMSK18].

ShellTrees [KGL98].

Sheep [BAU05].

SheepTester [NRJS03b, NRJS03a].

Shift [XL10].

Shifting [ST18].

Shiny [BCRA12].

Shock [PK15].

Shooting [HB00, Sbe97].

Short [Ano98v, DAP08, Kje91a, Sab82].

Short-Horizon [DAP08].

Shortest [BLP10, SS91].

Shot [KBH15, CKL14, MSZ+18].

Shoulder [PH10].
Simulation

Simulation-Ready [HBLB17]. Simulations [ATW15, ATBG08, BGAM04, CFS14, FKE13, FAW16, JKJL18, OHBK09, RGG15, SWT18, SCD05, SHQL18, WWD15, XZP13, YLHQ14, YMJ17, YBK12, YKH09, YWYT12, ZY02, ZTW12, ZLM15, ZLYL17, ZZ17, ZCP07, ZLKW13, ZYF10, dHV14, BH96, DMCN17, HPT89, KWF01, LJK12, LG92, RPP93, SW92a, SGC04, TT95b, YLCH18, Ano98f, Heg91, TvdP98].

Simulation-Ready [HBLB17]. Simulations [ATW15, ATBG08, BGAM04, CFS14, FKE13, FAW16, JKJL18, OHBK09, RGG15, SWT18, SCD05, SHQL18, WWD15, XZP13, YLHQ14, YMJ17, YBK12, YKH09, YWYT12, ZY02, ZTW12, ZLM15, ZLYL17, ZZ17, ZCP07, ZLKW13, ZYF10, dHV14, BH96, DMCN17, HPT89, KWF01, LJK12, LG92, RPP93, SW92a, SGC04, TT95b, YLCH18, Ano98f, Heg91, TvdP98].

Simulation-Ready [HBLB17]. Simulations [ATW15, ATBG08, BGAM04, CFS14, FKE13, FAW16, JKJL18, OHBK09, RGG15, SWT18, SCD05, SHQL18, WWD15, XZP13, YLHQ14, YMJ17, YBK12, YKH09, YWYT12, ZY02, ZTW12, ZLM15, ZLYL17, ZZ17, ZCP07, ZLKW13, ZYF10, dHV14, BH96, DMCN17, HPT89, KWF01, LJK12, LG92, RPP93, SW92a, SGC04, TT95b, YLCH18, Ano98f, Heg91, TvdP98].
Skins [IGAJG15, MMG10, MKU15, Yuk15]. Skip [ZLZ+18]. Skull [DPT+08, IIS08, PZY08, WL08]. Skulls [PZY08]. Sky [DKYN96, GPRSI4]. Skylight [DKN+94, TNK+93]. Slab [LAM09b]. Slabs [DWL+09]. Slaved [SS00]. Slice [ZH14, FND92, SV10]. Slice-guided [ZH14]. Sliceplorer [TWS+17]. Slices [HBA12, TWSM17]. Slicing [WCT+15]. Slider [STD09]. Sliding [HBA12]. Slat [LVT08]. Slope [Thî01]. Slopes [RBMS17]. Slow [Pas02]. Slusallek [Ano07b]. SMMA [JESG12]. SMAC [SCD05]. Smale [SN12]. Small [BHRD+15, BBL12, DHS+13, LHNS18, PGGM10, SJ3a, UMM+10, VW08, vdEvW13, BRM+16a, Day92]. Small-Multiples [BBL12]. Smallest [LK13]. SMALLTALK [Mohl87]. SmallWorlds [GOB+10]. Smart [MAM14, NSS+12, Osh08, ZCOM13, EZK08, ZLD16]. SmartAnnotator [WCM15]. SMARTPAPER [SC04]. Smartphone [ECN14]. Smoke [AO13, BXH10, DMYN08, KPNs10, NC10, PSCN10, RR00, SKK10, WYY13]. Smooth [AECOK16, CT11, CWA+08, GW07, HTH96, JWS12, Jes16, Lî07, LYY08, LS08b, MSW112, MN08, PFG94, SWS09, SLWSS15, VMA+04, CFG10, SBD+15b]. Smoothed-Shaded [Jes16]. Smoothed [HENISYS16, KBKS09]. Smoothing [LTB19, LWS+16, MLK+13, NOS09, Thî01, VMM99, WTL15, WGS10, YB18, ZFJ+16, EZK08, ML09]. Smoothly [VT94]. Snakes [BSK+13, LL02]. Snapping [SAG+13, ZWC+10]. Snapsshots [MGB14]. SNE [KRM+17]. Snooker [HGB+10]. Snow [CEG+18, NIDN97, SOH99, vFG11]. Snow-Covered [CEG+18]. Soap [Dur01]. Soccer [BB00a, SAMS+17]. Social [BCD+10, CLY17, GOB+10, HRR+15, JGH11, KâvL14, RTJ+11, RPA+15, TX16, WDM+12, OKK13]. Society [Fra83]. Soft [AHT04, AHL+06, BMG99, CJW+06, ED08, FGBP09, GÔTT+07, GCM00, GBP07, GJW08, HK16, HE94, HL03a, HL03b, KBBJ16, KARC17, LLA06, LSM015, Los97, LD97, MP12b, MNO16, MAAG12, RGT098, RF15, SS07, SDMS15, SGY01, SFY01, SEA08, SN08, SNB+12, SGB13, UGLY08, XLH+13, YFGL09, YDF+10, ZIM13]. Software [AHHR13, BP83b, BG50, BD08, CPP08, Dus02a, Gna83, KH96, Mac84, Mar82, Mum08, Ta08]. Solar [ABW+15, MPBM+17]. Solid [AMS16, BL86, DGF98, DLDT08, Gam16, GM96, PH87, SCM+19, SZMT15, TL16, WW11, WC14, XTLP02, YSY94, FFD93, Gro92, JAC85, WG93]. Solids [Bel87, BHH10b, CZZ+18, KGM97, NH97, Nis85, Pâi02, PGBT18, PN97, SPOK95, SLS04, ZLKW13, YLCH18]. Solution [ATO17, CDP95, FCP+00, GUS12, MSGT18, PP09a, PSP10, Ska87, TCH+03a, TCH+03b]. Solutions [Hei01, Ric87a]. Solve [WBS+13]. Solvent [BGB+08a]. Solver [Aan18, ATW15, DKW18, HE01, KH19, KySK08, Sta06, TL16, TDNL18, WMRSF15, WKB18]. Solvers [Kaz15]. Solving [Den03a, Den03b, GW07]. Some [HR88, HH90, Ric87c, vJB85, DRR93]. Sorman [Ano06c]. Sorted [ENSB13]. Sorting [CKM+99, GL10a, HK09, SBW06]. SoS [ML17]. Sound [BMD+08, DYN04, HS04, JBM10, SLS04, STG16]. SoundRiver [JBM10]. Source [AHL+06, GT16a, LMGH+13, She97, SSSK04b, Ta08, Vâz07]. sourced [KWD14, XLS+14]. Sources
[BYP95, GHH01, KHM09, MMP08, TT95a, TT97, ZBP99, KJ92]. Space
[AJA11, AVR10, AMTMH12, AGDJ09, AAB+10, AHT04, AB97, BDA+17,
BTB02, BT95, BT98, BiA06, BPWG07, BhTH16, BSL18, BKW13, BMS+10,
CS98a, CLH+08, CDA+10, CCC13, CN05, DCOM00, DHS04, DMSL11,
EGM12, EAGA+16, GGW98, GW07, GKL17, HKD15, HRWW12, HRS+14,
HRS+16, HZRS18, HFE13, HMB08, JD00, JD91, JC08, KD13,
KNH+18, KW18, L10b, LMP+10, LLHY09, LLB+10, LCM+09, MCHW18,
MO10, MBES16, MEMO14, MFNP13, Man16, MHA17, MSW10, MGB+12,
MRS12, Mi186, NAM+17, NSW09, NPW10, OZ06, PB07, PZB+09, PSDB+10,
RLW+09, RLP02, RGL06, RKG18, RK94, RNH03, SS13, SGE16, SLAM08,
TW97b, WGI11, WWT+16, WTH+13, XWB15, YXY+16, YWHB18, YIC+11,
ZSW10a, ZC95, ZFE14, ZST+10, ZLW15, AFHdL14, AHTAM14, AS00,
JPCC14, Kur15, MSH92, TW97a, ZRJ+15].
Space-Ecient [CDA+14]. Space-in-Time [AAB+10]. Space-Optimized
[BTB02]. Space-Time [MBES16]. Spaced [EDPB15, JL00, SLC19].
Spaces [BPFG11, BvLBS11, BBP10, CSG+18, ERHH11, GSDG18,
HW10, HMW+15, KE97, MCH13, MFL13, OMPG13, PBK10, SBC14, SL09,
SC95, SDK18, TFA+11, VAW+10, vBE11]. Spacetime [CTL13, TCLK12].
Spain [DT04, Gob95, NSGP06]. Span [BB99]. Spanning [THN93].
Sparse [BLD14a, BTP13, CCFM08, CCM16, CRA+17, GDGP16, HR10,
HYZ+14, LJH10, LMMCO17, LDY10, MSAP15, MRAS17, OLF+14, PBB+13,
RXX+17, RK99a, RSK12, RK10, S10b, SHG+16, SGM17, SHQL18,
SBC+17, SCF10, SSJ+10, WLZH17, WBS+13, WDR11, WTBY18,
XSX+14, YLLL15, ZFJ+16, vMRBM17, GGM12, LBBC14]. Sparsely
[HR10]. Sparsity [DSH+17]. Spatial [BT95, BCCS12, DG97, EGG+15,
FMRW16, FL19, GKB09, HHNC19, IK01a, JKL18, Kuz94, MR17, MJK11,
MGB+14, MFL13, PPH12, SC16, SR19, WCH+15, GD16, PG93]. Spatializing
[JE13]. Spatially [KKTD17, LLSS93, LSS93b, LNS18, PR12, SYC10,
WTH+13, RK99b, SPCR14]. Spatially-aware [KKTD17]. Spatio
[BJG+15, CLC12, DPD+15, KB+14, ZZLX17, Frec]. Spatio-Temporal
[CLC12, DPD+15, KB+14, ZZLX17, Frec]. Spatio-Tempero-Chemical
[BJG+15]. Spatiotemporal [AAB+10, BMH+12, BBBL11, DBS+18,
DHS+11, LKB14, RSD+12, RWG13, WHP+11, vFtHRV12]. SPC [SO10].
Special [Buc96, GCGP18]. Specialized [GH15]. Specific
[BMD+08, Deb18, GRP10, hKT1+17, LMK+15, SJH08, BM+15].
Specification [Ano98d, Dam91, Duc82a, DF85, Duc85, GOH+10, Gre84,
LS98, Mac84, MJ98, ND94, PCS94, PP05, TC94, WGK88, DD92, DP93,
FJ92, MVLS14, PB95, WZC+11]. Specifying [van90]. Spectacle
[KTMN07]. Spectra [AAS17, BLTD17, LJC17, RK10]. Spectral
[AR05, ACKM16, AFK+14, BSE17, BLTD17, CMF18, DMCP94, DG97,
EBR+14, HKW12, HCGW14, IP00, KB04, LMLG15, LRBB17, LZ07,
MRBC18, MFW18, MTAD08, OYH18, Pat16, Pat17, PBE18, PSK09, RDK13,
SDHL11, TYK+09, VL80, WND+14, XS06, ZVD10, BMM+15, Sch94a].
Spectral-Based [TYK+09]. Spectralization [RK10]. Spectroscopy
YYZZ18, YSC+18. **Stroke-Based** [Sch00, BBK+19]. **Stroke-guided** [LLSC13]. **Strokes** [IHS02, KS10, WHCO08, van89a]. **Strong** [COFHZ98]. **Structural** [ERHH11, PZY08, RL14, RJT18, SSW14a, SMS+17, TA08]. **Structurally** [STG16]. **Structurally-Sound** [STG16]. **Structure** [ASB+17, AAA+09, AP10b, BW00, BK05a, BLK11, CCM16, CJC+09, CYJ02, COP09, Cot85, DCNP14, FVHK17, FO12, FCS+16, HVH+16, How90, xHM09, JLL16, KHH+09, KO19, Kob05, LJKL17, LZY+17, LWBP14, LMHH14, LLSC13, MK05, MLD+18, MH00, PVT+H09, PSC10, RBC14, ROM+15, SM14a, Sla15, Str84, TLRB18, TPBC09, VGB14a, VSK16, WBCG09b, XXLX14, XSF+14, YFW12, ZSS17, ZFCO+11, ZFJ+16, AVBC18, DKW94a, EKB14, MCM+12]. **Structure-adaptive** [FCS+16]. **Structure-Aware** [LWS+16, SLA15, DCNP14]. **Structure-based** [KO19]. **Structure-Driven** [LWBP14]. **Structure-Performance** [ASB+17]. **Structure-Preserving** [CDM+17, DG95, FRU+94, LD04, MDBS14, Mun83, RSM+16, DF93, MWCS13, PC92, ROC+11, ZLL13]. **Structures** [ABCJ10, BGCP11, Duc14, ER18, FRI+08, GOPT11, GSW12, JBT+08, JWWP14, KLT+16, KK11a, KBT+12, KER+14, Kuz94, LS10b, LMP+10, LGK16, LBH12a, MBES16, MDI+18, MMHL08, NKL16, PLL11, PW12, RTJ+11, RL16, SW10, SAD+16, SPK10, Sta97, TDDD18, TPRH11, VBW17, Wai88, WBS+13, WTHS06, XDY18, ZSW10a, ZLMM16, ZCBK12, ZAD15]. **Structuring** [HKL17, LA13, VMA+04, KH92]. **Student** [RBMS17]. **Students** [Kol08]. **Studies** [BRL09, DKMT18, IEGC08, JR08, MSM+08, STD09, ZLDM16, ZK09, AS92]. **Study** [ARLC+13, APM+11, BBL12, CEX+18, CWM19, CCH+14, BCG+14, KARC15, KGP+12, MS+16, NW13, PERS15, SH14a, SH14b, SBL17, SS15b, TLM16, UMM+10, WHCI15, WBFvL17]. **Style** [AMYB17, BV19, BG07, FMS01, GTH+18, JL18, LZW+13, LPD14, LGK16, LCUR14, NRM+12, PGG+09, UGB+04, WLL+17, YYZZ18, MHS+14, RLYL14]. **Style-Based** [UGB+04]. **Styles** [HS99, MSZ+18, XADR13]. **Stylization** [BZBM+16, BLV+10, CS16, FLJ+14, HHG+15, LKC+15, LWB14, LM15, LCU14, RLMB+14, SIH+16]. **Stylized** [BBT11, BCMP18, CKB04, EWHS08, GRR+16, LG19, PMG13, TMO04, VVC+11, YKM12, ZISS04]. **Stylizing** [IHS02]. **Sub** [BK03a, BK03b, DFY14, JKL13, yKL08, PWC+09, UBH14, WK04, MMS09]. **Sub-Grid** [UBH14]. **Sub-Joint** [yKL08]. **Sub-Pixel** [DFY14, PWC+09]. **Sub-Sample** [JLL13]. **Sub-Sampling** [WK04]. **Sub-scale** [MMS09]. **Sub-Voxel** [BK03a, BK03b]. **Subdivision** [AS06, BT95, BPY16, BGS10, BHi10a, Cas12, CLT+08, DH14, DZCC19, DKY16, HLS12, KP18, Kob96, KSS07, KSD+14, LG00, LMB05, LM07, LWS08, MM18, MS01, MRAS17, MH00, MTF03a, MTF03b, NW01, Nas03, NS09, Pas02, PN97, RT08b, RT08a, RVN07, SB99a, SMAB02, SLL02, SLLW08, SD94b, SL03, VK18, WM09, WW98, WP04, ZC95, ZQS08, BHi10b, LDB07, MSH+92].
Subdivision-based [DZCC19]. Subdivisions [LM07, ES94]. Subgrid [KER+14]. Subject [GRP10]. Subject-Specific [GRP10]. Subjective [DBS+18, KWD14, KDC17, MTM12]. Sublinear [TBKP12]. Submersible [RL84]. Subneighborhoods [ZSY+13]. Subpixel [ESKD14, JESG12]. Subregion [XXZC13]. Subsampling [BCCS12]. Subscenes [CSN04]. Subsequent [IOI06]. Subspace [BWM+11, FR11, HFL12, LWT+15, MWW16, SJF11, ZHQL17, ZLT15]. Subspaces [MKU15, NNRS15, SJH08]. Substructures [LVW+15, ZCOM13]. Subsurface [AWB08, HCJ13, JZJ+15, MB+05, MESG11]. Subtype [LS+12]. Suggested [SRH+11]. Suggestions [KM16]. Summarization [XBL+18]. Summarizing [ODS18]. Summary [KS13b, PKRJ10, SGS18]. Summed [HSC05]. Summed-Area [HSC05]. Sums [CK10a, GA96]. Super [ACA18, BD12, BZ09, DTV15, HCDC18, LWT+15, MAM14, SLHC12, ZL+18]. Super-Clothoids [BD12]. Super-Deformed [SLHC12]. Super-Helices [Ber09]. Super-Resolution [HCDC18, ZLT+18, ACA18, DTV15]. Supercomputing [BBC05]. Supercover [ANF97a, ANF97b]. Superfacets [SPD14]. Superimposed [LMLG15]. Supernova [ASW14]. Superpixel [CG16a, DCYG19]. Superresolution [FLBS07]. Supersampling [GGW98]. Supervised [LBBC14, LCM+09, PSPM12, LCHB12]. Supervision [YLD+18]. Supplement [BFTL82]. Supplementary [Ano99m]. Support [BSK+17, BMPM12, CBK+17, CWS+17, EWS08, KMLE12, LCP+12, PZDD19, RLH17a, RWS+10, SS+05, VGB14a, VM+10, WSC06, WKS+14, FT93, ST93]. Supported [HA17, NP00, RSK10]. Supporting [BEF17, GCMS00, KFR18, LBS+18, MbMYR15, NM91, SV10, MK08]. Surface [AJA11, AIA12, AG01, AS96b, ABG+12, BSK+13, BBB+18, BV99, B+17a, BLK11, BK01, BK03a, BK03d, BHGS06, CCS95, CT11, CIE+16, Cas12, CD08, CCLN10, CLCL11, CCW12, CK84, Cot85, Dan96, DRF12, DZCC19, DMA02, DLY+18, DZM08, ELM+12, EL01, EP09, GWT+08, GJ02, GKS00, GLW96, GE98, GMW97, GLRR11, HCJ13, HTG14, HK+10, HP04, HWC+05, HJ99, HL+11, HLLH96, JTSZ10, JD98, JK13, JW95, KN07, KL03, KL9, Kob05, KPS+05, KRS+13, KT97, KGM+10, LPK09, LA13, LS9, LS10b, LGP14, LKEP14, LVP18, LMP+10, LF00, LSJK9, LMA+18, LBD+08, LZSO09, LKF12, MR+18, MPS08, MSS11, Mar95, MMG18, Men95, MII+8, MDD+10, MH00, MES+11, NOS+09, NM14, NRJ+03a, NRJ+03b, NRS+13, OS08, PPL13, PSCN10, PP05, PGK10, RP+02, RLH+18, RT+08, Ren16, RGP16, RSK12]. Surface [SLB+18, SP97, SWPLO8, SV14, SB99a, SAMG14, SPOK95, SS08, SSFS06, SSW14b, SGRT+12, SL+06, SYT+13, SBCBG11a, SG08, SE02a, SE02b, SMG10, TOZ+11, TBTB12, TPBC09, VHB08, VSG+13, VMA+04, VT94, VMM99, WSC06, WLT12, WZC13, WZK16, WLZT18, WK04, WDR11, WGG99, YM10, YLD+18, YMYK14, ZSW10a, ZRK05, ZY04, ZYF13, ZCK17, AS00, BC01, BABA08, BG93, DMP93, HBB93, HB92, KB92, KB92.
LDB07, NGM14, PSP+14, SDD+92, SZ18, THN93]. **Surface-based** [LVP18]. **Surface-Like** [PSCN10]. **Surfaces** [AES94, AKP+05, AA06, AE97, AM95, AP10b, AMT+12, AW13, ABCCO13, AWO+14, AVBC16, BSJ08, BAT11, BCG+96, BCBSG10, BBCW10, BW13, BES00, BK03a, BK03b, BTC95, Bl097, BW07, BPG08, Bon88, BGS10, BvTH16, BL18, CHK13, Cam17, CGT+15, CZ08, CLT+08, CLS16, CRS98, CMF18, CB+14, CJW+09, CDS10, DW13, DH14, DLRW09, DQG+12, DQ00, DYC16, DBK11, DZM08, ELb99, EFKM12, EBV01, ESRT13, FS91, FM04, FG94, GLK16, GB10, GWM16, Gre94, GGG06, GG08, GSE+14b, GTG17, HCD18, Har97, HM83, HLS12, HRS+14, HTH96, HBK02, HAWG08, IDN03a, IDN03b, Jen07, JC94, JLK+16, KNP07, KP18, KHK+09, KLS09, KSD14a, KSD14b, KSKL13, LBRM18, LLG97, LSP08, LW17, LGM+18b, LPD14, LBPH10, LWY08, LZ07, LPG10, LS08b, MJK17, MPS08, MS10b, MK99, MS98, MRMH12, MB08]. **Surfaces** [MTF03a, MTF03b, MNP08, NGM14, NOS09, Nas03, NSY09, NGB+09, OAM+18, OGG09, PPS10, PA06, PKG03a, PKG03b, PK08, PN97, POB+07, RS08, RH95, RRS97b, RL09, Rus10, SJP+13, SM10, SV14, SMAB02, SKR+14, SHLS02, SWS09, SRWS10, SHD16, SEG+14, STG16, SYC10, She99, STK02, SPD14, SDL+17, SNB+12, SWVG12, SLCD09, SSS97, SG08, SWG08, Szy11, TZF04, TSYK01, TCRS00, TW97b, Th01, VSK16, VWH18, WB01, WLS13, WG09, WC14, WP04, XLS+14, XDY18, YYPZ07, YWTY12, ZBC13, ZSC0+08, dGW+14, dKLV13, Bak90, BP93, CL92, DTG96, DCV14, Ger92, Guo93, GTB14, HP11, HMK15, KP15, KHR02, KBO+14, PCBL16, RRS97a, STM93, SW92b, TW97a, VG96, Ve92, dS96, Ano95b, DCV14, GTB14, MHS+14, VMHB14]. **Surgeries** [BNC96, MP10, TWS+11]. **Surperspective** [TON+02]. **Survey** [AM02a, ALC18, ABC11, BPA16, BBDW17, BMO+14, BTS+17a, BKR+17, BLP+13, Cam17, Cas12, DCGG14, Han97, Hei01, HLH+16a, IS15, JSYR14, KWD14, KZB19, Kau04, KWC+12, KCA+16, KBV+17, KMM+18, LLC+10a, LSPB18, LVP18, LD07, LOM+18, ML17, MCG+19, MWA+13, OJM+19, OLG+07, PP05, PYY+16, PCR11, PBC+16, PKE17, PT88, RL19, RMG18, RBRY19, RP98, RD05, Sab86, SWP11, Sch94e, SCP+17, SDL+17, STBB14, Szy91c, TGK+17, TAEE15, VB17, Vel92, WT17, WWD15, WH89, YZL17, vKHC011, Pri85, Sha08, WG93]. **Surveys** [ML17]. **SVBRDF** [PCDS12]. **SVG** [HD02]. **SVG.Open** [Neu06]. **SW** [PRS89]. **Swarm** [VMH+13, WJDZ14]. **Swarms** [LWPL15]. **Sweden** [Oll04]. **Sweep** [AMS16, CBS96, LCM+06, MüI86, Tim13, YK06, SW92b]. **Sweep-based** [YK06]. **sweeps** [BPW14]. **Swept** [CK10a, DYC16, JW95, MCM+12, WC02, YYPZ07]. **Swipe** [LCG10]. **Swirling** [PKPH09]. **Switzerland** [Kem04, Kun04, Van80]. **SX** [KSH92]. **SX/Tools** [KSH92]. **Symbiosis** [Haa96]. **Symbolic** [Elb06]. **Symbols** [KPK10]. **Symmetric** [CML+12, JKL10, Kaz15, KLAB15, KASH13, SY13, Sch11, TSH01, AS92]. **Symmetrical** [CC93]. **Symmetries**
Symmetrization [ZHH+15].
Symmetry [BCBSG10, BBW+09, DSWH17, GAK10, GL12, KBWS13, KLCF10, KLAB15, KWW+14, LGF12, MGG10b, MPWC13, SFL+16, SAD+16, GSG14, VBP+09, WXL+11, WK17, WHH+14, YM09, ZYF13].
Symmetry-Aware [DSWH17, KWW+14].
Symmetry-Preserving [WWH+14].
Symposium [AR06, Ano07j, AJL+11, BBW+09, DSWH17, GAK10, GL12, KBWS13, KLAB15, KWW+14, LGF12, MGG10b, MPWC13, SFL+16, SAD+16, SGS14, VBP+09, WXL+11, WK17, WHH+14, YM09, ZYF13].
Symposium-Aware [DSWH17, KWW+14].
Symposium-Preserving [WWH+14].
Synch [KK07].
Synchronisation [MB99].
Synchronization [LG96, LL05].
Synchronized [GA98].
Synopsis [HLH+16b].
Syntactic [PLL11].
Syntax [Kin95].
Synthesis [AYLM13, BBT+06, BW17, BMM+15, COO15, CLJ+15, DN08, DGF98, DLD05, DLD08, ELS08, Fuh85, GMM15, GPK+12, GMM+12, GSN94, GTB+13, GSDC17, HCA+12, HK09b, HKM15, JBS+06, JKL+16, KHO13, KLTZ16, KKS+12, KRCF09, KS12b, LGH13, LR88, LSR17, LZ10, LLSC13, Men01, MAA+09, MMS+05, NMMK05, Osh08, PHTB12, PRS89, PP10, PR12, PFC15, PB90, RZS10, RÖM+15, RSK13, SPD07, SLE18, SD10a, SL09, SPK10, SGB13, TGM12, TWJ06, TCGK15, UGB+04, VCD+16, WPG02, WSCP13, WYZB14, WS01, WSH+13, XWG+13, YD88, YL10, YKH+09, ZPS03, ZHH15, ZFE16, ZLL13, ZSL+17, AKZM14, BG89, Hor90, Pin92, RPP93].
Synthesize [KS10].
Synthesizing [CTL13, DSC95, DYN04, FLBS07, HLM97, HSK14, ZWXL17].
Synthetic [FW17, HL13, KMB+17, NT95, PO02, ST94, SHS99, SKZ13, SJ13a, TSY+07, TWT90, WOH13].
System [AHKS94, ADMAS18, AJC11, BRS01, Ben94, BCD+10, BSK+17, CD18, CKB04, CJ90, DI18, FW99, Haa96, HD95, HGG+84, HC14, IMM08, JZF+09, JSH+13, JLW10, KMG96, KSCN19, KFMJ12, KH96, KT97, LM96b, LG13, LPL00, LO95, LLD10, LMC+15, MSWK02, MOT99, NKS+16, NBS+13, ON05, OP10, Pi85, RGSK10, Rev96, RSK90, RL84, ST94, Sch88, SC04, SPP11, SNLW01, Ste85, WH94, WDC+10, WW87a, WK+09, WLSG03, WGG99, vtv84, AM92, CFT86, DTKT93, DP93, GJ02, HR92, JAc85, JW89, LM96a, OYSO92, VR95, DSS90, Enc82, Hew84b, WO94].
Systematic [AKSA09].
Systems [Ano91b, Ano98d, AHR84, AHR84, BWL+11, BES00, BIWG08, CTHAM10, Dau90, DMKP07, Duct90a, End84c, Fuc97, HM91, HBR+10, HE94, HHR+12, HH912, Mac85, MJ98, MG87, Mil90, MSK06, OP10, PCS94, PTO10, PMD12, PF90, RP01, SG05, T097, TIK17, VOS+10, WBS+13, YXXW12, CBSF07, DKY98, FP92, HS92, Kje92, PB95, Sam93b, Sas92, SBM+10, Str82, Vol93].
Systolic [KP87, Mil84].

T [BM15, KRM+17].
T-SAHI [BM15].
T-SNE [KRM+17].
T.Node

Table

Table-based [WS09a].
Table-driven [CAE08].
Tables [CAE08].
Table [vdCvW16].
Table [SPH11].
Tablets [SS16].
Tablorer [SPH11].
Tabular [CRW09].
Tactics [ZV09].
Tactics-Based [ZV09].
Tagged [CWG11].
Tagging [KvLB14].
Tessellation-Independent [MSWI12]. Tessellations [WHWB16]. Test [AMTMH12, JFSO9, NRJS03a, NRJS03b]. Testing [Ano88b, CB09]. Tests [AAS+16]. Tetra [JFSO06]. Tetra-Trees [JFSO06]. Tetrahedra [AMSF08, HJ99, MDF08]. Tetrahedral [BXH10, BCU10, CL03a, CL03b, NZH+18, RNV07, WIFD13]. Tetrahedralizations [LD08c]. Tetrahedron [DKY16]. TexNN [POCM19]. Text [ARLC+13, ARRO+17, AHM09, CFT86, CBK+17, CY11, CCP09, CWG11, EAGA+16, EASKC18, GD85, HRD+15, HC14, IF09, JFCS17, KlvB14, LKC+12, MHHH15, NW13, OKK13, OSR+14, PTT+12, RPSF15, RAMG15, SSDK12, SSS+12, SE02a, SE02b, SSSG16, WPW+11, ZAM+16, HR92, BPS3a]. TextDNA [SSSG16]. Texile [ACG+17]. Textiles [LZB17]. Texton [GLM17]. Textual [AEOQ+15]. Texture-Based [LHD+04, TGM12, We10, VBO0]. Texture-by-Numbers [SL11]. Textured [CLDD09, CP10, FBGP09, LGM+18b, MMS07, BCGS13, CVCH14, DSC95, TC05]. Textures [ACOM12, And10, AE97, BTB02, BD04, BL08, CLH+19, CC06, CD08, CS18, DGF98, DMLG02, DCL05, DLTD08, ESG01, EL08, GD96, GD10, GDG12, HWA+10, HFM10, HLS12, HSC+05, IK00, IK01b, Jlkl16, JCW11, KPR11, KNL+15, KKS+12, KH02, KDC17, KGR+16, LGH13, LHD+04, LKJL17, LWS+16, LG95, LWX+09, LDR09, LFA+15, MCTCT84, Mar95, MK99, MP12a, MO08, MJH+17, MMS+05, MCHAM08, NMMK05, NS11, OVB+15, OBGB11, PDP+15, POCP19, RSK13, SPD07, SD10a, SKZ13, SRK13, SC10, SL11, SWB98, SSSG16, SBD03, Tl99, TC05, TGM12, TWJ06, VB00, WPG01, WSP13, WE04, WOBT09, XWT+09, YDS8, ZFE16, AHTM14, BG89, BG93, CPE92, GK03a, GK03b, LLD12, LWS+16, NG92, VB14b]. Texture-Based [LHD+04, TGM12, WE04, VB00]. Texture-by-Numbers [SL1]. Textured [CLDD09, CP10, FBGP09, LGM+18b, MMS07, BCGS13, CVCH14, DSC95, TC05]. Textures [ACOM12, And10, BAAR14, BL08, CYJ02, DD09, DNL08, DG95, DG97, DYN04, DLTD08, EDO8, EDM+08, EL08, FBL16, GKH14, GSCD17, GTS+10, HIMA08, JLKL16, KNL+15, KSB11b, KLD+09, KSG+15, LL12, LJS02, LT12, LLSS03b, LLN+14, LWS+16, LDR09, LB17, MCG+16, MJH+17, NMR+12, NS11, OAIS09, OBGB11, PPG+09, SGSP15, SVL03, WS01, WS09a, WW09b, WObT09, YLL15, ZFE16, ZSL+17, CVCH14, DSC95, TC05]. Textures/Mapping [FBL16, JLKL16, LWS+16, MCG+16, ZFE16]. Texturing [DKB+16, GWO+10, GDG12, KGR+16, NK99, PBGM15, POB+07, RLW+09, ZQK04]. Their [CDA+14, SHS+17, CTL13, NHW16]. Them [ROS3]. Theme [NCPB17]. Theoretic [BB+13, ZC18, AS92]. Theoretical [Bou88, LW94]. Theory [ARC05, BAr06, Bih01, CBK+17, Day88, FAAS99, GMD10, LF10, MESS+10, PA06, SWPL08, Sei88, WO94, Bar92]. Therapy [CWS+17, RWS+10]. There [DH16, MAC94]. Thermal [HSK+10]. Theses [Kje89, Kje90, Kje91b, Kje91c, Kjej91d, Kje95]. Thickness [ZLW+16, ZZX+17]. Thin [CWM07, DLW+09, GLW96, PA02, SHPS08, SW08b, TD18, WW98, WSG05]. Thin-Plate [SHPS08]. Thin-Plate10K

Tickmarks [Kje83]. Ties [CDA+14]. Tight [KKBL15, RLGH15, WTTM15, WNS+10]. TightCCD [WTTM15]. Tileable [MJH+17]. Tiled [MG05, PD04]. Tiles [ABC+04, WPHC16]. Tiling [EGKT08, KWS+16, LZX+08, Mey94, MTAD08, PGGM09b]. Tilings [RMA88, SD10a]. Timberline [Bon85]. Time [AVR10, AKMM11, ARH12, AAB+10, AMT+12, BHRD+15, BDA+17, BSW10, BPA16, Ber09, BPKB14, BHW11, BM15, BK05b, BB08, BLW11, BBL12, BN08a, BKW13, CLH+08, CWK07, CMT05, CEG+18, CPK09, DH16, DRS08, FD09, FHH18, FL19, FR00, GO10, GMAG15, GS09, Got94, GAM17, GRPF16, GBP05, GJW08, GT15, GKT16, HSS+05, HA11, HJM+11, HL01, HRWW12, HGRS+17, HREB11, HR10, HK00, IGMK+16, ISYM15, JMV+15, JKL13, JZP18, KCJM16, Kel86, KMHG13, KSCN19, KMB+17, KK14, KBKL10, KWS+15, KER+14, LD04, LDdLRB16, LMP13, LKEP14, LKC08, LE13, LCP+12, LDGN15, LL18, LLB+10, LLD10, LMK+15, LRB+15, MD19, MO10, MBES16, Mai00, MW11, MBM13, MBJ+15, MC10b, MLD+18, MPBM+17, NB94, NSW09, NG03a, NG03b, NKF+16, NS09, OT11, PBK10, PD04, PP89, Pad94, RLN06].

Time-Series [AKMM11, ARH12, BBL12, GRPF16, SBM+14, TFA+11, WG11, WSo9b, KWS+15, LRB+15, RL15]. Time-Specific [LMK+15].

Time-Varying
[FL19, SWG08, WRS+13, WAH+09, YLRC10, ZC18, TCM10, JR08, DKG15].

TimeArcs [DPF16]. TimeArcTrees [GBD09]. Timeline [DMS14, ODS18].

TimeRadarTrees [BD08]. Tissue [BR97, BMG99, RvdH+15, RGTC98].

TOC [Ano16k]. Today [Mum89]. Together [Edm83]. Token [Rey86].

Tokyo [FMK04]. Toleranced [CD10]. Tolerant [CK11a]. Tomography [FAM09, HRRR18]. Tomorrow [Mum89]. Tone [BLD+09, CLLC15, Deb18, EWMU13, GKH14, JBS+06, KMS05, MS08, MBDC15, SSS00, SKMS06, UMM+10, YMMS06, ZHLW18, EMU17, MMTH09].

Tone-Mapping [MBDC15, SSS00].

Tomorrow [Mum89]. Tone [BLD+09, CLLC15, Deb18, EWMU13, GKH14, JBS+06, KMS05, MS08, MBDC15, SSS00, SKMS06, UMM+10, YMMS06, ZHLW18, EMU17, MMTH09].

Tong [Rey86].

Tongue [JSH+13, KGP+12, SHW+18, ten82b]. Tongue [LCG10]. tough [Gue82].

Toulouse [PB95].

Touch [JSH+13, KGP+12, SHW+18, ten82b]. TouchTone [LCG10]. toughest [Gue82].

Tourn [CY14, KI+AS01]. tour [BMWW14].

Tour [AVF04]. Town [Joo86]. Toxicity [RCMA+18]. Trace [FM04]. Traced [JPS15]. Traceless [JKLS10]. Tracer [DHS+13, MFW18].

Traces [CPP08, SMM13].

Tracing [Afr12, ASK14, BYM18, BAAM17, BMD+08, Bik12, BNH+16, Bon88, BBDM85, BLW11, BBS+09, CDP95, CBTB16, CCI13, CLF+03a, CLF+03b, CDG+07, CWBV86, CNS+11, DHK08, DKY16, DBK11, ENSB13, Gar09, GL10a, GPP+10, GAM17, GH15, GFW+06, HH11, HHH12, IH11, JKL+16, KTN10, KBS11a, KH95, KBK+10, KRG03, KHK+09, KSS+15, KZZM12, KF12, LD08c, LD08b, LeYTM08, LWH+11, LSS98, MW11, MHA17, MFS08,}

[AKMM11, ARH12, BBL12, GRPF16, SBM+14, TFA+11, WG11, WSo9b, KWS+15, LRBL+15, RL15]. Time-Specific [LMK+15].

Time-Varying
[FL19, SWG08, WRS+13, WAH+09, YLRC10, ZC18, TCM10, JR08, DKG15].

TimeArcs [DPF16]. TimeArcTrees [GBD09]. Timeline [DMS14, ODS18].

TimeRadarTrees [BD08]. Tissue [BR97, BMG99, RvdH+15, RGTC98].

TOC [Ano16k]. Today [Mum89]. Together [Edm83]. Token [Rey86].

Tokyo [FMK04]. Toleranced [CD10]. Tolerant [CK11a]. Tomography [FAM09, HRRR18]. Tomorrow [Mum89]. Tone [BLD+09, CLLC15, Deb18, EWMU13, GKH14, JBS+06, KMS05, MS08, MBDC15, SSS00, SKMS06, UMM+10, YMMS06, ZHLW18, EMU17, MMTH09].

Tone-Mapping [MBDC15, SSS00].

Tomorrow [Mum89]. Tone [BLD+09, CLLC15, Deb18, EWMU13, GKH14, JBS+06, KMS05, MS08, MBDC15, SSS00, SKMS06, UMM+10, YMMS06, ZHLW18, EMU17, MMTH09].

Tong [Rey86].

Tongue [JSH+13, KGP+12, SHW+18, ten82b]. Tongue [LCG10]. toughest [Gue82].

Toulouse [PB95].

Touch [JSH+13, KGP+12, SHW+18, ten82b]. TouchTone [LCG10]. toughest [Gue82].

Tourn [CY14, KI+AS01]. tour [BMWW14].

Tour [AVF04]. Town [Joo86]. Toxicity [RCMA+18]. Trace [FM04]. Traced [JPS15]. Traceless [JKLS10]. Tracer [DHS+13, MFW18].

Traces [CPP08, SMM13].

Tracing [Afr12, ASK14, BYM18, BAAM17, BMD+08, Bik12, BNH+16, Bon88, BBDM85, BLW11, BBS+09, CDP95, CBTB16, CCI13, CLF+03a, CLF+03b, CDG+07, CWBV86, CNS+11, DHK08, DKY16, DBK11, ENSB13, Gar09, GL10a, GPP+10, GAM17, GH15, GFW+06, HH11, HHH12, IH11, JKL+16, KTN10, KBS11a, KH95, KBK+10, KRG03, KHK+09, KSS+15, KZZM12, KF12, LD08c, LD08b, LeYTM08, LWH+11, LSS98, MW11, MHA17, MFS08,
MBJ$^{+15}$, MMG$^{18}$, MJL$^{+13}$, MTF$^{03a}$, MTF$^{03b}$, NM$^{14}$, NB$^{15}$, OT$^{11}$, PBPP$^{11}$, PGK$^{17}$, PBE$^{18}$, PPM$^{+16}$, PGSS$^{07}$, PRDD$^{15}$, RA$^{94}$, RDG$^{01}$, She$^{99}$, SS$^{K7}$, SD$^{94b}$, Spe$^{91}$, SC$^{95}$, SKALP$^{05}$, TNS$^{89}$, Ts$^{dSK13}$, VF$^{16}$, VHB$^{16}$, WSB$^{W01}$, WMG$^{+09}$, WRK$^{+16}$, WSE$^{04}$, YWC$^{+10}$, YWY$^{08}$, ZSP$^{98}$, ZBP$^{99}$, ES$^{94}$, GA$^{93}$, Ge$^{92}$, KJ$^{92}$, MDC$^{93}$, MSH$^{92}$, NG$^{97}$, PJ$^{94}$, SM$^{92}$, NG$^{97}$, PJ$^{94}$, Sun$^{92}$, UH$^{92\%}$

Tracing/Appearance [DKY$^{16}$, VF$^{16}$, WRK$^{+16\%}$]. Track [Arn$^{08}$, GVS$^{+15}$, Zot$^{08}$, CD$^{18}$, DCPS$^{08}$]. Tracked [TGS$^{96\%}$]. Tracking [BKR$^{+17}$, BH$^{15}$, CKI$^{1b}$, EGG$^{+15}$, HBO$^{+10}$, HYL$^{+15}$, KRS$^{+13}$, KER$^{+14}$, LWL$^{+16a}$, LWM$^{+17}$, MBM$^{13}$, MG$^{95}$, MSGT$^{18}$, OAM$^{+18}$, PEP$^{M12}$, RSVP$^{02}$, SY$^{13}$, SW$^{17}$, SK$^{17}$, TST$^{+15}$, TS$^{B16}$, TSH$^{01}$, WH$^{17a}$, ZTG$^{+18}$, vKB$^{94}$, MG$^{96}$, SKSK$^{07\%}$]. Tracts [CZCE$^{08}$, SEI$^{10\%}$]. Trade [BMPM$^{12}$, HHS$^{801}$, HGRS$^{17}$, VVE$^{+10\%}$]. Trade-O [HHS$^{01}$, VVE$^{+10\%}$]. Trade-Os [BMPM$^{12\%}$]. Trac [BJB$^{+18}$, BJA$^{+15}$, CWL$^{+15}$, PDV$^{+15}$, SMdW$^{vW15}$, SWML$^{10}$]. Trail [LHT$^{17\%}$]. Train [WBF$^{vL17}$]. Training [HGB$^{+10}$, KMB$^{+17}$]. Trajectories [FKSS$^{13}$, GHWG$^{14}$, SSSB$^{07\%}$]. Trajectory [KTW$^{+13}$, WVV$^{11\%}$]. TrajectoryLenses [KTW$^{+13\%}$]. Transductive [XSS$^{+14\%}$]. Transfer [AP$^{10a}$, ARG$^{+16}$, BHS$^{+17}$, BP$^{19}$, BG$^{07}$, CNCO$^{15}$, CZZW$^{12}$, GOH$^{+10}$, LF$^{00}$, LP$^{15}$, LCR$^{14}$, LKG$^{+16}$, MMG$^{+10a}$, NRM$^{+12}$, NKB$^{14}$, OVB$^{+15}$, PLPB$^{07}$, RvBW$^{R04}$, SPB$^{+17}$, SC$^{84}$, SL$^{10}$, SCM$^{+09}$, SS$^{15b}$, TM$^{13}$, WHL$^{+12}$, WZ$^{L12}$, WCO$^{10}$, WS$^{09b}$, WDK$^{+13}$, XM$^{09}$, XSX$^{M13}$, XXZC$^{13}$, XWL$^{+15}$, YYZZ$^{18}$, ZZLX$^{17}$, ZXTD$^{10}$, MHS$^{+14}$, VSD$^{09\%}$]. Transferring [OZ$^{S08}$, PFC$^{15\%}$]. Transfers [YW$^{97\%}$]. Transfinite [CG$^{16c\%}$]. Translective [BES$^{00\%}$]. Transform [GL$^{12}$, RM$^{89}$, SLE$^{18}$, XS$^{06}$, XWY$^{+15}$, YYG$^{18}$, ZBA$^{+07\%}$]. transformables [YZC$^{18\%}$]. Transformation [AE$^{W90}$, ATF$^{12}$, BWH$^{+11}$, BD$^{04}$, GAW$^{15}$, HL$^{02}$, LS$^{89}$, MD$^{19}$, MFNP$^{13}$, NB$^{94}$, PA$^{06}$, SO$^{12}$, TSP$^{05\%}$]. Transformations [BCGB$^{08}$, FAT$^{07}$, KLC$^{F10}$, LS$^{08a}$, LLM$^{+17}$, NR$^{95}$, SHPS$^{08}$, van$^{90}$, EKB$^{14\%}$]. Transformed [SK$^{86\%}$]. Transforms [MA$^{91}$, PB$^{11\%}$]. Transillumination [SKFN$^{C97\%}$]. Transit [CY$^{14\%}$]. Transit-Centric [CY$^{14\%}$]. Transition [AW$^{00}$, McC$^{11}$]. Transitions [BN$^{HI10}$, GW$^{07}$, STKD$^{12}\%$]. Translating [Fuc$^{97\%}$]. Translation [AHM$^{09}$, NW$^{13}$, HR$^{92\%}$]. Translational [ND$^{06\%}$]. translator [HR$^{92\%}$]. Translucency [MR$^{17\%}$]. Translucent [BCRA$^{12}$, CLH$^{+08}$, EBSC$^{09}$, HWL$^{18}$, LGB$^{+03}$, WWH$^{+10}$, YZXW$^{12}$, XGL$^{+07\%}$]. Transmission [MCO$^{97}$, SG$^{96a\%}$]. Transmittance [BR$^{97\%}$]. Transparency [DWE$^{02}$, KL$^{11}$, MT$^{K002}$, NP$^{W10}$, SVLL$^{10}$, SBF$^{15}$, SGG$^{15}$, YHG$^{10\%}$]. Transparent [BG$^{02}$, CCC$^{+14}$, DWL$^{+09}$, DZC$^{11}$, ER$^{18}$, HLL$^{07}$, IKL$^{+10}$, LG$^{95}$, MC$^{14}$, RLH$^{17a}$, RLMB$^{+14}$, WWT$^{+16}$, Ger$^{92\%}$]. Transparent-Object [DZC$^{11\%}$]. Transport [DBG$^{99}$, HKD$^{15}$, HEV$^{+16}$, HH$^{10}$, HR$^{10}$, JMV$^{+15}$, JA$^{18}$, JR$^{16}$, KD$^{13}$, KS$^{KAC02}$, KKK$^{09}$, LB$^{06}$, LD$^{dLRB16}$, LF$^{10}$, MS$^{W04}$, Mér$^{11}$, MGN$^{17}$, NGHJ$^{18}$, PP$^{05}$, RGG$^{15}$, RKRD$^{12}$, SKGM$^{+17}$, WPH$^{+12}$, ZAD$^{15}$, dGCSAD$^{11\%}$]. Transportation [ZFA$^{+16}$]. Transputer
[AO89, RM89]. Travel [WTLY12]. Travel-Route-Centered [WTLY12].

Traversing [LSZ08, ZCO97]. TrayGen [YH13], Treatment

[CKW00, CFS14, RRR08, vGL+14]. Tree

[AE86, BJ+18, BPF+03a, BPF+03b, HDM98, JD98, PD04, PGSS07, SPH11, WYZB14, WGG99, XL10, XM15, YLG+18, ZC95, ZBM+17, CCI13, HH11, Hol94, Rap92, SSK07, WTLY12]. Trees [RMF12]. TreeMatrix [YH13].

Treatment [CWKS00, CFS14, RRRP08, vPGL+14]. TreeMaps [NB12].

Trees [AT10, AMT02, BLS+17, BHGS06, BBP08, CCLN10, DRBR09, ERHH11, HKW09, JFSO03a, QNTN03a, QNTN03b, SS08, SJ13a, SR19, SHL+14, SPK+14, SG04, VHB16, WLJ+18, WBCG09b, dFSV03, CS92].

Trends [BCBB16, OJMN+19, de97]. Tri [JWL+13, MNP08]. Tri-level [JWL+13].

Tri/Quad/Pent [MNP08]. Triangle

[ANo07b, Bak91b, CLL+13, DFY14, Gar09, GLLR11, Iso01, JBG17, LAD02, MG07, MS+12, PSF04, PRS15, QYZ17, Ren16, SBCBG11a, SL03, WLT12, XL+14, ZCBK12, LDB07, VR12]. Triangle-Based [DFY14, ZCBK12].

Triangle-Quad [LAD02]. Triangles [AG01, Bab95, Ure00, dD85].

Triangular [LL02, MYLZ16, PS95, PS96a, RDG01, Jon96]. Triangulated [AH11, DGGP05, MDP08, RR96].

Triangulation [BBA08, CY89, GE04, GKS00, KB00, LG19, LAD02, MGS07, MPT98, MKSS12, PRS15, QYZ17, Ren16, SBCBG11a, SL03, WLT12, XL+14, ZCBK12]. Triangulations [AMR+08, FS91, SSE+14, dGLB+14].

Triangular [LL02, MYLZ16, PS95, PS96a, RDG01, Jon96]. Triangulated [AH11, DGGP05, MDP08, RR96].

Triangulation [BBA08, CY89, GE04, GKS00, KB00, LG19, LAD02, MGS07, MPT98, MKSS12, PRS15, QYZ17, Ren16, SBCBG11a, SL03, WLT12, XL+14, ZCBK12, LDB07, VR12]. Triangle-Based [DFY14, ZCBK12].

Triangle-Quad [LAD02]. Triangles [AG01, Bab95, Ure00, dD85].

Triangular [LL02, MYLZ16, PS95, PS96a, RDG01, Jon96]. Triangulated [AH11, DGGP05, MDP08, RR96].

Triangulation [BBA08, CY89, GE04, GKS00, KB00, LG19, LAD02, MGS07, MPT98, MKSS12, PRS15, QYZ17, Ren16, SBCBG11a, SL03, WLT12, XL+14, ZCBK12]. Triangulations [AMR+08, FS91, SSE+14, dGLB+14].

Trillion [Ano07b]. Trimmed

[AE94, GKO3a, GKO3b]. Trinity [Che06]. Trip [HLH+16b, WBFvL17].

Tristimulus [MSH05, OYH18]. Trivariate [HQH15, KZ08]. Trivial [CDS10]. Trou [HD11]. Truncated [KSD14a]. Truth [CMF18, SDK+15].

TSS [DY16]. Tubes [LLC10b]. Tubular [LMPS16].

Tumor

[HMTH13]. Tunable [dSMV+17]. Tuning [ADS06, ERA+16, EBTM00, KNL+15].

Tunnel [ANF97a, ANF97b, BJG+15]. Tunnel-Free [ANF97a, ANF97b]. Tuples [KZZM12].

Turbulence [HL13, LMSF19, SJ13a, Sta97, SW92a].

Turbulent [DY04]. Turning [GBS19, MJ+17].

Tutorials [BB07, th84]. Two [Aan18, BDS+03, CTL13, DGGP05, DJM12, FR92, GKH14, HSK14, KBS11a, LK10, LAFT12, ML91, MK06, MPT98, MG95, MLL+10, Mil87, NHS97, PK10, Ren16, SG07, SN84, SN86, TP89, TGS96, WTHS06, YLHQ12, Day92, MMS09, QSW92, SDD+92].

Tunable [dSMV+17]. Tuning [ADS06, ERA+16, EBTM00, KNL+15].

Tunnel [ANF97a, ANF97b, BJG+15]. Tunnel-Free [ANF97a, ANF97b]. Tuples [KZZM12].

Turbulence [HL13, LMSF19, SJ13a, Sta97, SW92a].

Turbulent [DY04]. Turning [GBS19, MJ+17].

Tutorials [BB07, th84]. Two [Aan18, BDS+03, CTL13, DGGP05, DJM12, FR92, GKH14, HSK14, KBS11a, LK10, LAFT12, ML91, MK06, MPT98, MG95, MLL+10, Mil87, NHS97, PK10, Ren16, SG07, SN84, SN86, TP89, TGS96, WTHS06, YLHQ12, Day92, MMS09, QSW92, SDD+92].

Two-Character [HMSK14, CTL13].

Two-Colored [PK10]. Two-dimensional [BDS+03]. Two-Finger [LAFT12]. Two-Handed [SG97, TGS96]. Two-Level [KBS11a].

Two-manifold [FR92]. Two-Manifolds [DGGP05].

Two-Parameter-Dependent [WTHS06]. Two-Pass [MPT98].

Two-phase [MMS09]. Two-scale [DJM12]. Two-Step [MK06, MG95]. Two-Tone [GKH14]. Two-Way [YLHQ12, Aan18]. Type [OP10, RT08b, RT08a].

Typeface [PFC15]. Typefaces [ZWXL17]. Types [BMMW01, MG87].

Typographic [SR96].
UIMS [End84b, Str84]. UK [Ano85, Ano86, Ano87a, Ano88a, Ano89, Ano91a, Ano95p, Ano96k, Ano96p, Ano97z, Ano97-28, Duc89, LSF+11, MJ98, Mat86, Ano95o, Ano96j, Ano97q, Ano97r, Aus91, Kid84, Mum90, Pin85].
Ulency [Ano05c]. Ultra [PSK09, WW87b]. Ultra-Large [PSK09].
UltraPaint [WW87a]. Ultrasound [MMG18]. Unbiased
[BAJ08, SKGM+17, VCRG14, YIC+11]. Uncalibrated [SM11].
Uncertain
[GST14, OHT10, OT12, PPH11, PW12]. Uncertainty-Aware [BFG11].
Uncertainty-guided [SMH10].
Uncertainty-Aware
[BPFG11]. Uncertainty-guided [SMH10].
Uncalibrated [SM11].
Uncertain
[GST14, OHT10, OT12, PPH11, PW12].
Uncertainty
Uncalibrated [SM11].
Uncertain
[GST14, OHT10, OT12, PPH11, PW12].
Uncertainty
Uncalibrated [SM11].
Uncertain
[GST14, OHT10, OT12, PPH11, PW12].
Uncertainty
Uncalibrated [SM11].
Uncertain
[GST14, OHT10, OT12, PPH11, PW12].
Uncertainty
Uncalibrated [SM11].
Uncertain
[GST14, OHT10, OT12, PPH11, PW12].
Uncertainty
Uncalibrated [SM11].
Uncertain
[GST14, OHT10, OT12, PPH11, PW12].
Uncertainty
Uncalibrated [SM11].
Uncertain
[GST14, OHT10, OT12, PPH11, PW12].
Uncertainty
Uncalibrated [SM11].
Uncertain
[GST14, OHT10, OT12, PPH11, PW12].
Uncertainty
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[GST14, OHT10, OT12, PPH11, PW12].
GLW96, KPK10, LW18, RB03a, RB03b, Ros83, SR19, SNJ14.

**Use-Inspired** [Arn08]. **Used** [SJL15]. **Useful** [BWPP04]. **User** [AP10a, APM+11, ATF12, BAAR14, BZL+18, BRL09, CCH+14, DR87, DKMT18, DBB+18, Duc82b, Duc85, Duc90a, End84c, GL94b, HK12, HM91, Hd89, IEGC08, JTRS12, JR08, Kin95, KSG+15, LFGG08, LD98, LCUR14, Mac85, MFNP13, MSM+08, NM91, PF90, RPA+15, Sas92, SC04, SWS12, SPSK13, STD09, WKG85, XBL+18, ZK08, ZK09, vD98, vJB85, BH93, EFGS96, GL94a, HP83, KSH92, ZK92, dBv93]. **User-Assisted** [BAAR14]. **User-Centered** [BZL+18]. **User-Computer** [vD98]. **User-Controllable** [AP10a]. **User-Controlled** [KSG+15]. **User-driven** [MFNP13]. **User-Interface** [DR87]. **User-modifiable** [ZK08]. **user-tailored** [EFGS96]. **Users** [BCBL13, DMKP07]. **Using** [ABD10, Ár12, AKMM11, AMTMH12, AG01, APM+11, AHMAM15, AR95, ACC15, ADN+17, BLP10, BLY+11, BDF+14, BPFG11, BPKB14, BBG+17, BBW+09, BMB+18, BAU05, Buc98, BBDA10, BMB15b, CS98a, CRGZ10, CLH+08, C09, CD08, CCW12, CG17, CCC17, CKL14, CJ+09, CZGF05, CNE+11, Dan96, DZCC19, DS05a, DSH+17, DG98, DKN+95, DMYN08, DKC00, DBB+18, DF90, EL01, ECN14, FKE13, FP04, FCP+90, GBAL09, GP12, GGW98, GPK+12, GD96, GP87, PGD09, GFJ08, GWJ15, GSW12, GMW97, HB96, HCD18, HS99, HTG14, HSS17, HL13, HBO+10, HYL+15, HCG08, IDN02, JW97, JKK+18, KTB+08, KOH13, KWÖG18, KJME12, KSS97, KPS95, KBKS09, yKL08, LKCO8, LLC11, LWP+04, LQL15, LRL+15, LCG10, LIZX15, LMDP15, LCE+11, LKH12, LS15, LV08, MEMO14, MTCT84, MPS08, MCH13]. **Using** [MG87, MB+08, MhMYR15, MKMA19, MMG18, MSKD12, MDBS14, MJK11, MCB16, MBBT00, MJL+13, NIE95, NIDN97, OIST91, OJ15, PAR86, PD04, PDV+15, PZB+09, PGK10, PNVS17, POCM19, RW08, RLH+17b, RLH+18, RHLH18, RSKA17, RL14, RL16, RSC01, RL09, RM98, RLF09, SM11, SLE17, SML15, ST93, SKR+14, SHLS02, SS08, SSK+05, SK66, SJ13a, SR19, SP01, SCR+18, SMM13, SASF11, SSLL14, SR14, SPS05, SF83, SKC01, SOM04, SJF11, SE02a, SE02b, SSJ+10, SKMS18, TLFC16, VLV+04, VMA+04, VPP+04, WPG02, WDC+08, WTL15, WLT+17, WWH18, WHS+18, WG09, WHL10, WLZ13, WDGT01, WLI+12, WZ15, WNO9, XL10, XSS13, XZZ13, XS06, XWH+18, XXY+18, YWBO3, YB18, YEO8, YL10, ZY04, ZWC+10, ZCZL13, ZZLX17, ZZ17, ZC18, ZVE+14, dFSV03, AMAM13, AMT+12, BSH12, BCN11a, BCF+05, BBG+96, BW13]. **using** [BLD14b, BES00, BCG18, BCP05, BHMT13, BNC96, BG09, BHNO1, CFW+06, CS04, CML+12, CCM16, CCST+09, CLA92, CPP09, CLGS18, DAP08, DAY90, DEN03a, Den03b, DYN04, DKS01, DF93, DZTS08, DRS08, EAGA+16, EBV01, FR11, FSTR13, GHH01, GFW+06, HE01, HB00, HFM16, HEL95, HD14b, HMB17, HHH+07, HGA+10, HHHJ15, HH98, HWAG09, HJS+17, HSK14, HSK18, IFDN12, JBG17, JGH11, JFS006, JON96, KN07, KPIAS01, KPNS10, KS14, KE97, KHH+09, KS10,
[Dan96, FKS+10, GRT18, JKLS10, MSS+10, POS+11a, PA06, SRWS10, SK10, SP01, Thi01, XM15]. **Vega** [SSB13]. **Vehicle** [Arn08, CWL+15]. **Velocity** [RCB+17a]. **Velocity-Based** [RCB+17a]. **Ventricle** [SSM12]. **Verification** [Ano98d, CWS+17, MJ98, UWP06, WFZ+15, PB95]. **Verifying** [AA09]. **Versatile** [ATO17, Dwy09, EBMT00, SSN18, MH00]. **Versatility** [SHD15]. **Version** [Ano98d, CWS+17, MJ98, UWP06, WFZ+15, PB95]. **Verifying** [AA09]. **Versatile** [ATO17, Dwy09, EBMT00, SSN18, MH00]. **Versatility** [SHD15]. **Version** [ten82b]. **Vertebral** [ZVE+14]. **Vertex** [BG02, KBS11b, KBS00, MTAM12, NB15, WHD17]. **Vertically** [SM10]. **Vertices** [ADS06, LS08b, PPT+19, MM18]. **Verve** [Kni93]. **Verve-voxel** [Kni93]. **Very** [IP99, WH04]. **Vessel** [MMV+13, WVV11, WVV09]. **Vessels** [LGP14]. **VFX** [ATO17]. **Via** [CDM+17, Deb18, DFB14, LGW18, VCP09, AW00, BPY16, BS21b, BBIG17, BSH15, CK14, CCC+14, CYI+12, CK11b, COC15, CRA+17, DH16, GHX+17, GSG08, GSZ11, HHS05, HG13, HKM15, IEKM16, JKL18, JKJL18, hKTL+17, Kob05, KB89, LKC+12, LZ07, LSW09, MCHW18, Man16, MJBC13, MC17, McC96, MAM14, NO17, NMR+18, OMPG13, PWS12, PW17, RGM85, RBC14, RK09a, Sad09, SYX+11, SAD+16, TLRB18, WLL+17, WCB15, WS09b, XLL14, YXHH18, YHL+16, YWY10, YWHA18]. **VIBE** [BSG+95]. **Vibrations** [KRFC09]. **Video** [AWCO10, BAAR14, BKY+16, BB00a, BZBM+16, BCS96, BZ18, BHW11, BCK+12, BBPV03a, BBPV03b, BSS+17b, BCD+12, BMD15, CMC16, CLHL08, CPZ+15, CCC08, DZD+16, DTV15, DHA10, DMHS08, DPD+17, DJZ+09, EWMU13, GVS+15, GO10, GO15, GHK+10, GCW15, GKH14, GTK+12, GPR+15, HVM+08, HKMS08, HGB+10, HZ10, HZ11, IY10, IS15, JCK16, JWL+13, KIJ10, KrJC+11, KGAC15, KGRG17, KYC16, KHW13, KMN+08, KK09, KK11b, LL00, LCC+17, LAA08, LHL10, LP15, LHZ15, LLN+14, LCC16, LLB+10, LLL+11, LDR09, MD19, MBDC15, OAS09, OA011, PCDS12, PSS12, PG08, PSHZ+15, PNVS17, RKG18, RGN05, RGD+12, RWG13, Sa96, SSK+05, SEASM09, SGM17, SLWS15, SDK+15, SPK10, SLTM08, SHS+17, TX16, TSP05, TZZ11, TMH11, WDC+08, WZH13, WWG07, WS09a, WMTG05, WBM+18, WLSG03, X10, XHL+18, YXHH18, ZHO8, ZT2+12, ZZH15]. **Video** [ZLSW17, ZXL17, CVCH14, EMU17, SBD14, SPCR14]. **Video-Based** [BB00a, BCD+12, GHK+10, LL00]. **Videos** [CCM16, GTK+12, GPM+18, LJH10, LTK12, RSD+12, ZLSW17, ZCT18]. **Vienna** [CG07a, Des06, HB91, PIR07]. **View** [Ano96b, BCP11, BB00a, CK04, ED07a, ES09, ESC00, ESK03a, ESK03b, FNH+17, GPK+12, Gre85, HREB11, How87, hKTL+17, KMB+17, KBE19, KBBK13, LYP+08, MTR08, MN87, Mor86, NPDD11, PRN89, REH+11, SBD15a, SLAM08, WBCGH11, WLI+12, XRS+15, ZZH15, tHS90, DGR+14, GSC18, LSR17, LJI+18, SM10, ZK92]. **View-Adaptive** [REH+11]. **View-Dependent** [CKB04, ED07a, ES09, ESC00, GPK+12, KBBK13, MTR08, NPDD11, SBD15a]. **Viewfinder** [AG08]. **Viewing** [ALA+18, AS95, AWCO10, DMKPO7, Kra89, SS00, SJH08, SSG+00, TGS96, YK92]. **Viewpoint** [FM04, HVH+16, HK09c, LLB+10, TW+16, WLSG03].
Viewpoint-Dependent [FM04]. Views [ABC⁺91, BRM⁺16a, CCC⁺14, DGF98, EHT18, EAGA⁺16, HLM97, HSH16, NK99, RSM⁺16, SS16, SNLH09, VBP⁺09]. Viewspace [COFHZ98].

VIMTEX [DKG15]. VIPS [ZCZL13]. Viral [SCD⁺16]. Virtual [Ai98, AVF04, AJL⁺11, AWCO10, BB09, Bar05, BSG⁺95, BGAM04, Bry96, CWKS00, CN05, CBSF07, CKE⁺12, CMT02, DJW⁺06, DDH⁺18, EBSC99, FBT99, FVHK17, Fuc04, GPMG10, GHH01, GHB⁺17, Haa96, HMD05, HK00, HJL07, JL98, KL14, KH95, KKK18, KW05, KRFC09, Kun04, LD04, Lam09a, LL01, LD06, LGMT00, LLB⁺10, LW99, MC97, MC02, MG⁺10a, MT01, MKMA19, MG95, MSWK02, MCB16, MF00, MOK⁺00, MOT99, MJL⁺13, NNDJ12, PLT⁺97, PP10, PO02, PWB08, RKRD12, RB03a, RB03b, RPA⁺15, SS00, SLE17, SS96a, SG96a, SSA⁺08, SRK13, STKD12, SWML10, SYF11, STTB14, SD99, SD00, SPV⁺10, SDB99, SNLW01, SG96b, SGC04, TYK⁺09, TPM00, Tok15b, TLG99, VVE⁺10, VGSS04, WBP98, WC16, XLT02, XLT03a, XLT03b, YJD⁺18, Zar06, dSNV⁺17, JPCC14, MG96, TD00, VCDF95].


Visibility [AHL⁺06, AWJ13, AMS09, BELD13, BLD14b, BSG⁺95, CAM09, COS95, COFHZ98, EJFadH13, ED07b, GKD07, GBP07, HDS03a, HBM08, JEO00, LMS⁺16, LPK13, MBGS01, MAAG12, NRJS03a, NRJS03b, NBMJ14, OPP10, ORDP96, PGSD13, SS00, SS07, SEA08, SG96b, UFK13, WBP98, WVV⁺11, WSS01].

Visibility/Sampling [BELD13, EJFadH13, UFK13]. Visual [ASVNB00, BGK⁺96, Hd14b, Mil84]. Vision [Cre88, Dut04, GVV05, MTKO02, NT95, PO02, Sar07, TDF⁺15, NW91]. vision-based [DMCN⁺17]. Visitors [LBK14]. Vismon [BMPM12]. VisRuption [RPMO13]. Vissym04 [DHKS05]. VisTrails [SASF11]. Visual [ARLC⁺13, ARRO⁺17, ABW⁺15, ASB⁺16, ALA⁺18, BEF17, BAT11, BLY⁺11, BDF⁺14, BSW⁺14, BGB⁺08a, BWG08, BSBE17, BG08, BCBL13, BBBL11, BvLBS11, BBC⁺05, BTB13, BJA⁺15, BCWR08, CD18, CBK⁺17, CKGC14, CSG⁺18, CTS003a, CTS003b, CWB⁺14, CWL⁺15, CLY17, CAB⁺16, CG07b, CLWMI1, CWs⁺17, DCK12, DI18, DPD⁺15, DPD⁺17, DWT⁺11, EASK18, ERT⁺17, FKRW16, FVHK17, Fra83, GVS⁺15, GOH⁺10, GLG⁺16, GHWG14, HRD⁺15, HK16, HKD⁺08, HSK⁺10, HJM⁺11, HS17, HMP⁺12, HSO⁺10, HSH16, HGRS⁺17, HV08, HC14, HF16, HHD⁺12, IF09, IUDN10, JWJ⁺11, JFCS17, JNM⁺09, JE13, JZT⁺09, JvdGRM19, KRD⁺15, KCJM16, KFHI10, KBHM15, KH18, KMJE12, KCA⁺16, KvLB14, KGGP18, KLK17, KWS⁺15, KVD⁺10, KKL⁺16b, Lav11, LCSL18, LKZ⁺12, LKZ⁺15, LSS⁺12, LWPL15, LB19, LWZ⁺09, LHJ13, LMHH14, LWT⁺15, LL09, LGH⁺17, LRB⁺15, ME13]. Visual [MC02, MK08, MRL⁺17, MeN01, MMNG17, MDI⁺18, MLD⁺18, MHHH15, MOK⁺08, MDGD11, NWHWD16, NNN11, NHL16, OJS⁺11, OSR⁺14, OJMN⁺19, OAM⁺18, PSPM12, PGS⁺16, PJR⁺14, PZDD19].
LCDW16, LKG+16, LCWK07, MW06, MFS08, MMFE08, MBW08, MMF10, MB18, MC10a, MRL10, ME04, NCKG00, NS01, NL18, ND12, OHBKH09, PWW11, PPH11, PBP96, RSH+12, RBG08, RRS12. **Volume** [RSK06, RSTK08, RRPP08, RPLH11, RGG+14, RHCO8, RMSD+08, SHB07, SPH+09, SGM+11, SPBV10, SBS+17, SCM+09, SS15h, SGG15, SJF11, SMP13, TSM94, TOZ+11, TWC+16, TCY10, VCRG14, VPLL08, VGB+14b, VKJ+17, VHB16, WGS04, WW99, WZL+12, WK12b, WTL15, WCB15, WGS10, WE97, WRS01, WSO9b, XSE14, YCLE09, YM06, ZM16, ZC18, hZCK98, ZRI3, ZCG08, BLS93, CS99a, JZW14, Jon96, LN17, LN18, WZC+11, YK92, GBKG04, FMK04]. **Volume-Aware** [RSK06, RSTK08, RRRP08, RPLH11, RGG+14, RHC08, RMSD08, SHB07, SPH09, SGM+11, SPBV10, SBS+17, SCM+09, SS15h, SGG15, SJF11, SMP13, TSM94, TOZ+11, TWC+16, TCY10, VCRG14, VPLL08, VGB+14b, VKJ+17, VHB16, WGS04, WW99, WZL+12, WK12b, WTL15, WCB15, WGS10, WE97, WRS01, WSO9b, XSE14, YCLE09, YM06, ZM16, ZC18, hZCK98, ZRI3, ZCG08, BLS93, CS99a, JZW14, Jon96, LN17, LN18, WZC+11, YK92, GBKG04, FMK04]. **Volume-of-Fluid** [CK13]. **Volume-Surface** [BHGS06]. **Volumes** [AMS16, BK03c, BK03d, BS03a, BS03b, BBA08, BBP09, CK10a, CIE16, CCI08, CLS16, DS11b, ESRT13, GMAG15, HRRR18, IYS13, JRJ11, KMS+13, NRP11, PPL13, PN97, RW08, SKZ11, SHZD17, TWC+16, VMTS10, WOH13, WW11, WC02, WTYH18, XYM13, ZH14]. **Volumetric** [Baj03a, Baj03b, BNC96, DS02a, DN09, FAVM09, FBL16, GD10, GSZ11, GBKG04, GSW12, HDS03b, HDS03a, JRJ11, JKJ18, JSYR14, KKK18, KW05, LC99, LZQ13, ME04, MRAS17, NGHJ18, PK08, RSTK08, SJF13, SVLL10, SKZ11, XSE14, YCL+17]. **Voronoi** [BPY16, DZM08, ERA+16, EDPB15, HHA17, LLW12, Man16, NB12, OPC96, PPT+19, QYZ17, QCW+18, RL09, SNA17, VC04, WHWB16, XLS+14, YLL+09, NLI13, PPL13]. **Vortex** [GT18, HGH11, MKP+16, OT12, PKPH09, RSV02, SVG+08, YKH+09, ZDM+14]. **Vortical** [ZYF10]. **Vorticity** [HL13]. **Voting** [ATCO+10, SAD+16, TWC+16]. **VOTS** [GBKG04]. **Voxel** [Afr12, BLD14a, BK03a, BK03b, BGAM04, BL86, Buc98, CNS+11, DKB16, DZY04, LSZ08, RT08b, RT08a, SC95, WGS04, ZCO97, GGM12, Kni93]. **Voxel-Shapes** [RT08a]. **Voxel-Traversing** [ZCO97]. **voxelisation** [Jon96]. **Voxelization** [Lai13, LMMCO17]. **Voxels** [CCC17]. **VPLs** [SHD15, TH17]. **VR** [BSG+95, BG07, CE07, CG07b, DMKP07, EFGRS96, GPM+18, LCC+17, LO95, SBB99]. **VR-VIBE** [BSG+95]. **VRML** [cLCtLL98]. vs **DBS+18**. **Vulnerability** [CKS+15, KBHM15]. **Wake** [PHTB12]. **Walk** [BPVR11, FMS01, She97, SKCA01]. **Walk-Through** [FMS01]. **Walkability** [MKMA19]. **Walking** [CK11a, VSC01, XL+10]. **Walks** [SR14]. **walkthrough** [AVF04]. **Walkthroughs** [GS09, GSA03a, GSA03b, PSC10, SSS00, TL01, WBP98, WS99]. **Wall** [GH+17, KKT17, MMP16, NGB+13]. **Ward** [GM+10]. **Warping** [AGP08, AR95, BBBD08, BM+12, CSD11, CG16b, FLW00, KWSH+13, LSR17, NREM14, RRS12, SC10, SL08, WGG99]. **Waters** [PA01]. **Watershed** [FBW01].
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WYSIWYG [SD94a]. X [Bow92, DSS90, HRRR18]. X-Rays [HRRR18]. X3H3 [Arn84]. XGKS [RSK90]. Xplorer [CD18].

Yarn [LMMCO17]. Yarn-Level [LMMCO17]. Year [APH+12, Dav07, Owe88, Owe89b, Owe94, Owe90b, Owe92a, Owe92b, Owe93, Owe95]. Years [Ano84a]. Yes [Mac94]. Young [Bot07, Bru11, Eis11, Kau07]. Yugoslavia [tH83a, Suz89, SW83]. Yugraph [Duc90b].


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