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

#FluxFlow [ZCW+14].

(X, Y) [BBD+11]. + [CMP09, FWG09, QWC+09, WC11, ZZG+12]. 1 [SZB+09]. 15 [SWW+15]. 2  
[AL06, AJDL08, AHKMNF11, ARH+15, AJ19, BBIA09, BSHH15, CKW+12, DNP07, DHM13b, DMC15, GRT17, GSS+19, GJR+14, JDL09, LKJ+05, LWS+17, LRN96, LJL04, LKR+18, LLC11, LCS+12, LFR03, MSA17, NHYY18, PQMCR17, PGT+08, PMW13, QCT13, RKG+11, RF11, SZB+09, SHM+07, SMN12, SWCR15, SS13b, TWH05, TKAM06, TIK15, WWYS04, WLL+05, WTL+09, Won16, YHH+19, YEL12, ZWZ+13, ZWR14, vWN04]. 2.5  
[APV+15, YSL+13, YJL+15]. 3  
[ARH+15, AHR+11, AVP19, BSB+18, BGCS17, BF01, BIA17, BTB10, BTHD11, BC12, CWZ+14, CWL12, CPW+18, ChLYL09, CC08, CZN+11, CZZ+19, CMK15, CCM11, DDW14, DHL09, DMR04, DBW11, DRHK07, ERL+13, ET08, FW08, FYTL19, FCL09, GCL+15, GW13, GRT17, GCL+18, GIS03, GJR+14, GP+16, HDBC15, HE06, HLL97, HLRC+12, HM10, HLYL18, IFP97, IFM14, JSG03, JKR06, JNC+15, JDPL09, JB06, JCWD14, KRW19, KSG+16, KZL07, KHS+19, KCA16, KLG+16, KCK+19a, KYT+18, KKKW05, LYY+16a, LS07a, LH03, LDH09, LKL+15, LYL19, LKR+18, LZZ+19, LDN11, LJZ12, LL05, LY06, LB17, LG12, LODI16, LSM03, MS08, MWSJ14,
MW99, MCHM10, MAST16, MCG12, MH10, MY14, MJK06, MDS16, MES+11, MWC+12, NWHWD16, NB95, NQX+05, NHYY18, OA11, dJOBNM17, OHH06, PDRK19, PBO+14, PK08, PLW11, PLW12, PJ03, PZ07, PH07, [PUNI11, PMT+19, PGI+17, QY07, QCW+09, RSBB17, RHZN11, RT12, RKZZ19, SK16a, SW12, SWB+00, SBB+11, Sei15, SKYS14, SPP+14, SPB96, SXX+19, SW07, SRW+16, SGJM18, SKW+11, SBW17, SKH+19, SW17, TKTN09, TCL+13, TNL17, TMWS13, TC09b, TIZ+12, TKAM06, TLC+10, VCP08, VA12, WLW11, WLW12, PBB+09, WBB+10, WEE07, WFG+19, WXY17, WC+12, WLDW11, XCZ+19b, XZI19c, YOS13, YPRI17, YFC+19, YLSL11, YL95, YHH+19, YSI+10, YET12, YEE11, ZT05, ZTL17, ZP05, ZCFL15, vLBB16, vBBK14]. 360
[LPX18, MS18a, ZLK+18]. 360
[BCR19, SKC+19]. 4
[BB09, BPM+13, CTGH13, CFHH09, HDJ05, INCB18, KGP+13, LHC16, ZH07, ZWR14, vPBB+10, vPBB+11]. 6
[GL17, HDJ05]. 2
[BJK+16, SB17, XZC+19b]. 9
[RPAC17]. N-D [NM13]. f: R^3 \rightarrow R^2
[SSC+16]. h: [NK06, KDBB17]. K
[Zha14, CK10, KHM+98, VPF15]. k^+
[VPF15]. L_0
[GXW+18a, GXW+18b, SWS18]. \mu
[BWS+19]. N / [IHR01, OHWS13]. \nu [Nie04]. P
[ZX14a]. R / [FGF+05]. \sqrt{3} [WQS07]. \geq
[OBLN17]. Z / [KYK11, WHL16]. ||
[BJK+16].

-Adaptive [KDBB17]. -buffer
[VPF15, Zha14]. -Buffers [WHL16].
-Clustering [BB+11]. -D [MS08].
-dimensional [ZWR14, IHR01]. -DOF
[GL17, TIK15]. -DOFs [KHM+98].
-Functions [FGF+05]. -Nearest [CK10].
-Partition [ZX14a]. -Quaternion [Nie04].
-Subdivision-Based [WQS07]. -Test

[KYK11].

1 [ZCD19]. 11 [RPHI08]. 1115 [CWDH09].
15th [KHE09].

2 [CD19]. 2000 [Var01]. 2005
[CLS07, SGR06, SW06]. 2008
[CR08, EDF08]. 2009 [Ano09e, Ano09d].
2010 [Ano10e, Ano10d]. 2011
[Ano11i, Ano11c, Ano11d]. 2012 [Ano12e, Ano13c, Ano13d, HKQ13, Ros13, Sch13].
2013 [Ano13t, Ano13u, Ano13e, Ano13f, Bil13, CLS13a, Fuc13, GJK15, MY14]. 2014
[Ano14e, Ano14g, Ano14f, BHTY15, JLS15]. 2015
[Ano15c, Ano16b, Ano16c, LST+16, WLW17].
2016 [Ano16d, Ano16e, Dil17, Ebe17, Meh17, Ota17]. 2017
[DS17a, De 18b, DW17, Han18, Hee18]. 2018
[Ano19a, BKL18, Car19, DS18a, Ynn19].
2019 [MSW19]. 2nd [KBB+18]. 3D [PKMR15]. 3DCT [AHRG10].

50 [BWS+19].
6 [BDF16]. 6-DOF [BDF16].

7DOF [CLW18].

AABBS [ZK07]. Abdominal [SG09, Sel15]. Abilities [TETS13]. Ability
[DBP14, OPH+16]. Ablation [RKSH11]. Abstract
[BM13, CL06, MHD+18, PTC10, SPL+13].
Abstracting [MJW+13]. Abstraction
[AACF17, CCM+14, CG07, CWF06, EBB+15, JER16, KLC09, KRM+13, LWCC18, SMER06, VIB18, ZMT+19].
Abstractocyte [MAAB+18]. ABySS
[NJBJ09]. ABySS-Explorer [NJBJ09].
Accelerated [BC12, KMH11, LM05, MK09, PSR17, QMK+06, SH00b, FM07].
Accelerating [LCDP13]. Acceleration
NTT+19, OJ15, OJ18, OSSK12, OJCPJ16, ODH+07, OHWS13, PVF13, PYHZ14, PH11, POM+09, PV06, PBCR11, QCX+07, RESC16, RBS+18, RS12, RAL+17, RFW+13, RML12, RFLL18, RCC+16, RGC+14, RB18, SZS+17, SKB+18, SPS06, SJJ+17, SCT+10, STM17, SHVV16, SFB+12, SHM+07, SGB13, SF14, SK13, SHB+14, SW13, SOL+13, SMER06, SYS+06, SLK+17b, SR00, SS18, SJP+18b, STH02, SSL+12, SGPR18, SWL+14b, TKC17, TDG19, TKW08, TFI11, TLLH12, TBH17, USKD12, VP04a, WSH+19, WZvdW13, WLSL17.

Analysis [WLS+19, WLHS19, WK06, Wena10, Wen14, WGS+13, WG16, WMA+16, WP5+16, WCQ+09, WLY+14, WPZ+16, XYC+18, XWW+13, YSZ04, YRwG13, Zzd14, ZGC+17, ZYLL09, ZYM+14, ZMM15, ZCB011, ZCB12, ZCW+14, ZGB+17, ZWC+18, ZTXZ13, ZZBW08, ZWC19, eKJG+12, dLvL06, tCMR08, vLBR+16, WTS+07]. Analyst [WM16]. Analysts [AZL+19, GDD+13, GGGZL16].

Analytic [CFEC17, DSP+17, KGS+08, LdSM17, MYM16, NxW+16, PLK12, SKB+18, WPC+13]. Analytical [AJH97, Ano09b, EFN12, TAE+11, WYM12].

Analytics [AAMG12, AABW12, Anol12, BFE15, BMR+19, BTC13, BSS+19, BJ+16, BA5+13, CcSk19, CGM+17, CCL+16, CDW+16, DlW+17, ELRW18, ESSS+18, EASD+19, Ert10c, GKL+13, GGJ+18, GS14, GDB17, HKEK16, HKPC19, Hstd18, HTA+15, HZM+16, IFP+12, aKGS11, aKS12, KLYE13, KRTvW06, KSDD14, KFS+19, KTE15, KW13, KHSW17, KKL+16, KCK+19b, LCP+13, LGM+18, LXC+17, LWY+16, LWL+17, LDM+18, LFA+16, LWLM18, MWSJ14, MRH+10, MHR+11, MMT+14, MGS+14, MW13, NA19, PBN+13, PKL+18, PGU+13, PLLdM17, PHV+18, PSBS12, PSM12, RLA+13, SSS+14, SKS+16, SKKC19, SNL06, SWY+17, SKU+12, SLK+17b, SPG14, Tkc17, TKE16, TKBH17, WSH+19, WSD+13, WDC+18, WGYS18, WGSY19, WLS+19, WCR+18, WAG06, WFM+06, WFC+06, WSM+09, XCH+14, XZM17, XXM19a, YXG+10, ZWLC19, vW11, vDEHBV16]. Analyze [VP09]. Analyzer [PTG+08]. Analysing [AMM+08, AJ17, AHH+14, BWP+10, BvL06, CRI06, Dac11, FHKM17, KSDD14, LBS14, LSC+18, LLL+19b, MK13a, OrlR10, RCO6, SSK+14, TSH+14].

Anatomically [WHM14]. Anatomy [DKY02, ERL+13, KST+14, TBB+08, XSZ+17]. Anatomy-Based [DKY02].


Angles [LSK+18, WYL+19]. Angular [BZGV14, DMC+15, GPL+11, vAPP+11]. Animal [KBI+10]. Animated [BFP14, BGB15, CDF14, CMP14, HR07b, KH19, KKS19, LWW07, NKP+15, NDR96, TDM+18, WASQ18, vRKEE17].

Animating [Dan16, LSY+18, Ney98, ZBO13]. Animation [APP11, BW08a, BvdP12, BBI09, BDC17, BB19, CGD97, CTGH13, CDR+18, CLZ+03, DNL+06, EGS03, FvdPT97, FC95, HZM13, JAO+14, KL07, KS14a, KP05, KL14b, LPG+18, LGV+16, LHBF19, LLL04, LG15, LAP19, LLPy07, MD12, MPT03, NB95, NT99, OHI2, Ota17, Per95, QYH+10, RLNN11, RFF+08, RM13, SRC+02, SK15, TYSN06, TLE+10, VMT06, WBA+14, YNO3, ZPS04, ZWW+12, ZHF12, SRC+03].

Animations [CRH05, HE06, KIL07, LXB17, YLL+12, ZCZ+09]. AniPaint [OH12]. Anisotropic [AD16, ATT12, DPR00, FHHJ08, FT09, HM10, KBI13, LB15, QLLM13, YSS+12].
Anisotropically [LKC09a].

Annealing [KH01].

Anniversary [KHE09].

Annotation [BMW17, GS06, NHYY18, PWHK16, ZGB+17].

Annotations [LCL+19, YHH+19, ZGB+17].

Annual [Ano01a, Ano03b, Ano04a, Ano09a, Ano10a, Ano11a, Ano12a, Ano13a, Ano14a].

Anomalous [CSL+16, XXM19a, ZCW+14].

Anomaly [CLZ+18, XXM+19b].

Anonymizing [WCC+18].

Anthropomorphic [TAK+05].

Anti [CMFL16, SF19].

Anti-Aliased [CMFL16].

Antialiasing [MMS+98, MRT00, SPW02, VT08].

Anticipation [MZH+08].

Any [BWC04].

Aorta [RHR+09].

Aortic [BSR+14].

Apart [FFB18].

Apertures [BRNB19].

Appearance [JWD+14, MSM+11, SHM10, SLB04, Tay02, VBC+16, Zho16, ZKM18].

Application-Based [MMS+11].

Application [ACR+19, BTT+04, BGM+17, DMR04, GGA+11, HLR+12, HFG+12, KKPS08, LLBS17, LKC09b, LRF+11, MTB17, OMD+12, PFP+11, PM08, PNML08, PPM+11, STS10, SD11, SGM08, YNYH06, ZWA+13].

Application-Driven [ACR+19].

Applications [AB01, BI12, BSO+12, BJK+16, CCK19, COCS03, CSM07, FDFR10, GXH+13, GTH07, GMM05, Gu601, GQLQ19, HQL13, Hub95, ISC07, JKJ1M06, JBS06, Kei00, LLL04, LL04, MGPL06, MK13c, NTS11, QMK+06, RF11, RSD+13, SLL+18a, SLA+09, SXM17, SWC+08, SK13, Ste98, WGS07b, WDC08, XXM19a, YLL16, YML+17, YXM+15].

Applied [Kin10, SCT06, dLVL06, vAPP+11].

Applying [CLB13, HST18, SKK+14, TFO09].

Approach [ADWK+17, AAGS19, BMTD05, BMA+19, BJK+16, BW01, BMW17, CBL07, CCB11, CHW+18, CGMJ19, CGH+19, CXM19, CSWP18, DC17, DGW11, DBB10, DSC+08, DCKY02, FM12a, FHG+09, FBLS05, GNPB11, GIK+07, GNP+06, GBHP08, HBJP12, HM95, HBW06, HZM13, HNR+06, HZM+16, KHA12, KLYE13, KS02, KTE15, KGZ+12, KY06, KCM18, LBS13, LVRH07, LAK+11, LT18, LXC+17, LLZ+16, LSPW12, MY96, MHR+10, MHR+11, MB19a, NR18, NSL19, OJ15, OH06, PBN+13, PSPM15, PSF09, PGL+12, PSR17, RKK16, RE14, RFL18, STS06, SS08, SS16, SAS16, SUV+12, SPB08, SC15, SA19, SSB19, TMWS13, TWSS16, TLM05, FVR13, WAM+19, WM08, WGY18, WFC+18, WCC+18, WASQ18, WGSY19, WQQ+18, WBC04, XCH+14, XZM17, YHH+19, ZHF12, ZHLB13, ZGM18, vdEHBV16, WBD14].

Approaches [CK05a, FHKM17, FTE13, HB13, JAAL18, LD11b, MKT+18].

Approaching [WAWS18].

Approximate [HMTR19, HQ07, JWD+14, KMDZ10, RMCC19, TFO09, Wan11, Wil12].

Approximated [PLvdM+17].

Approximating [HTF97, JSG03].

Approximation [BYA15, CGL+17, GGZ+18, LRZM11, PA06, RKS11, SCOIT05, WXC+08].

Approximations [GSG96, HJW99b, HJW99a, HJ10, KH01, LDSM17, WBH04].

AR/VR [XGS+19].

ARbis [IHD+18].

Arbitrarily [PHF07].

Arbitrary [BBW+12, HB03, KLS+18, LLLF08, LTWH08, LBG+08, LJWH08, LHZ+04, NPPZ12, RNK+15, RE14, VBP+11, WDC08, YXSH13, ZC06].

Architectural [SYCC11].

Architecture [ARB07, BWW+12, BGM+07, BGM+08, CGC+11, CFHH09, FH07, HKC+12, LLW15, MB03, MGPL06, MFS+09, NPK+15, PTMB09, SRHH16, SS95, SLF+12, Wall2, ZPS04, LLLN+14].

Architectures [HWZ+19, HQQ12, RPSC99, SHC+09, SVLF10].

Area [CDK04, LDM17, LDN11, NSZ+17, RSFH14, SNM16, TGS11, Will2, XHL18, ZSG+13].

Area-Based [LDN11].

Area-Preservation [ZSG+13].
MNZ+15, MUS16, MK13c, MKT+18, NJJ11, OSB+15, PLW12, PTM+18, PIS15, RHJ+16, RWBF18, RWF19, RBDG15, RJG17, SH00a, SYYC11, SJK+17, SJE13, TGW+95, UMW+12, VGKS12, VEB+18, WRM+10, YC14, YON05, YON06, ZHLR14.

Augmenting [SDES19]. Aura [QY07].

Aural [AM13]. Auralization [TCM+12].

Authentic [ZJG11]. Authentically [BBBM18]. Author [AN09d, AN10e, AN12c, AN12d, AN13g, AN13h, AN15e, AN16f, AN16g, AN17c, AN17d, LB19, SWY+17].

Authored [FDFR10, ZGB17]. Authoring [AML+17, DLA+9, FBM16, QH18, WLF+19]. Authors [AN11].

Autism [BBC15, BZS+13, PAVW15].

Auto [CAF18, FCZ15, KLS+18, SXX+19].

Auto-Calibration [KLS+18].

Auto-encoder [SXX+19]. Auto-focus [CAF18]. Auto-Harmonization [FCZ15].

Autocalibrating [SM11]. Autocalibration [SM12].

Automated [ASG15, BPG12, FH106, GHL18, MPK+13, MRSS+13, OJ15, PS12, PPM+11, TAE+11, ZCL08].

Automatic [AMJ+12, AT16, BKM13, CCM11, DLF+09, ED06, FDX12, GLV+12, HLW+18, IYK95, JHW+14, KG+13, KWS+14, LLL+12, MLS07, MO+15, PPT+11, RNK+15, SRRM011, SWF+16, TW18, VAB12, WWYP19, Won16, ZTO9, WHZ+18].

Automating [Koo08]. Automultiscopic [LSK+18].

Autonomous [WKW06, XLC+18].

Autopsies [LWP+06].

Autoregressive [LFA+16].

Autostereoscopic [LDN11, MT05, PXS+08, YHLJ08].

Available [BVW+07].

Avatar [BPS13, JAO+14, NBM19, RBLW13, WGR+18].

Avatar-Agent [NBM19].

Avatars [Bai13, CK16, JAO+14, KBPL16, LBLE+14, PMS+14, SSI13].

Average [GCNF13, RLK19, WC13]. Averaging [GBP+13].

Aviation [CB15].

Avoid [DWA10].

Avoidance [BOP15, LCNG14, LKM+18].

Award [AN14d, AN14e, LIN14, AN10c, AN10d, AN11c, AN11d, AN13c, AN13d, AN13f, AN14g, AN15c, AN16b, AN16c, AN16d, AN16e, BI13, CAR19, DE18b, DIL17, EBE17, FUC13, HAI18, HEE18, MEH17, ROS13, SCH13, YMN19].

Aware [AZC+12, BYA15, BBM18, BDSW13, BL07, CL18, CQC+08, CBL07, CZC+15, CLB+16, DZMQ16, DKW+16, HM10, JFZ+18, KEJK19, KOBH19, LLY+13, LIHY14, LLL+16, LSV+18, MLKS18, MLMP18, NN11a, NN11b, YSS+17, PRH10, RDB+12, SCOT10, TLD+12, VF13, WCC+18, WLZM10, YXG+13, Yan18, YEE12, YLG+14, YEE16, ZHA14, ZJX+15, WWZ+19].

Awareness [GLZ17, HTL13, dJOBNM17, QPK18, SSK+16, IPJ19].

Axes [CvW11, KCPE16, LYY17].

Axis [AG16a, FGS19, KKW12].

Axis [AZC+12, BYA15, BBM18, BDSW13, BL07, CL18, CQC+08, CBL07, CZC+15, CLB+16, DZMQ16, DKW+16, HM10, JFZ+18, KEJK19, KOBH19, LLY+13, LIHY14, LLL+16, LSV+18, MLKS18, MLMP18, NN11a, NN11b, OSS+17, PRH10, RDB+12, SCOT10, TLD+12, VF13, WCC+18, WLZM10, YXG+13, Yan18, YEE12, YLG+14, YEE16, ZHA14, ZJX+15, WWZ+19].

Awareness [GLZ17, HTL13, dJOBNM17, QPK18, SSK+16, IPJ19].

Axes [CvW11, KCPE16, LYY17].

Axis [AG16a, FGS19, KKW12].
Before-and-After [LAP19]. Behavior
[BGC+11, DV95, FPH19, GRS+19, KO12,
KGAM18, KLD+09, KTE15, LKD19,
LKM+18, MGP906, RCL+15, RKC+16,
SPO+12, SPCI06, TFJ12, ZBY14].
Behavioral [MZC+16, NT99, VBIK17].
behaviorism [FHL10]. Behaviors
[CSL+16, GGGJ+18]. Behaviour
[NTA+19, SMF17]. behind [LXC+17]. Ben
[ANO13c]. Benchmark [EHHB11, PFG08].
Benchmarking [WCQ+09]. Bendi
[AFLRS05]. Bending [LLBS17]. benefit
[CGJ19]. Benefits [BE09, HF11, WB08].
Benefitting [HAS11]. Bernstein [HWM95].
Bertin [PF14, PGU12]. Bespoke
[RLB19]. Best [De 18b, HJW99a, HJW99b,
Lin14c, Meh17, MFS+09, WBH04, De 18b].
Better [CLT+11, LSL+17, LBLE+14,
WCD+19, WWS+16]. Between
[HGW18, HBK+19, LDM+18, PML97,
BDFM17, GJZ+12, GSL14, KLMO4.
LPK+13, LKT13, LKM+18, RSRDS16,
SH12, TCYM09, WB05, YPI13]. Beyond
[BBK+16, BAW16, ERLW18, JD13, KH16,
LIRC12, TNT17, WBD14]. Bézier
[HWM95, HFP97]. Bezirgens [YCZ+16]. Bi
[WYP+15]. Bi-Normal [WYP+15]. Bias
[WBDS11]. Biases [ACS+18, HUP14].
Biasing [CH17]. Bicluster [SNR14].
Biclustering [SHR+11]. Biclusters
[SMR16, SZW+19, ZSCC18].
Biconnected [AMA06]. Bidirectional
[JWD+14, LH2+04, ZDW+05]. BiDots
[ZSCC18]. Big [BSS+19, FPV+13, NHEM17,
PSSC17, W118]. Biharmonic
[HQQH17, XGGL13]. Bilateral
[Wan06, ZFAT11]. Billboard [LWL+17].
Bimanual [MLS18, HWA15]. Binaries
[YC14]. Binary [FWT+04, KCOY03, MS08,
SMDS14, TDR10, YRP18].
Binary-Space-Partitioned [FWT+04].
Binding [DdL14]. Binning [PQCM17].
Binoculars [OSB+15]. Bintree [LFR03].
Bioinformatics [SN05]. Biological
[BMGK08, KAK+18, KCK+19, LPK+13,
MRSS+12, MCS+08]. Biology [MiS+18].
Biomechanical
[KERC09, MGL07, PBO+14, WHM14].
Biomedical
[HSSK16, HNR+06, JST+10, NGK18].
Biorthogonal [GGLQ19, WQS07].
Bipartite [CXD19, SZW+19]. Biped
[TLC+10]. Bipolar [BL06]. Bird
[FLF+11]. BirdVis [FLF+11]. Biscale
[SHR+11]. Bisection [HJW99b].
Bisects [HJW99a]. BiSet [SMR16].
Bitcoin [YSZ+19]. BitExTract [YSZ+19].
Bitmap [PMH18]. Bivariate
[NASK18, TC17, War09]. Black [MPG+14].
Blended [ATK16, MB19a]. Blending
[CWM09b, HSH107, HLY18, KGZ+12,
PSG04, PB13, WXJ17]. Blind [ZTP05].
Blinded [DJ18]. Blinding [SFC+07].
Blindness [MXW+13, SHWH11]. Blob
[JPL16]. Block
[MWC+12, YL06, BPC+10]. Block-Based
[YL06]. Blockwise [YSD+17]. Blood
[BPM+13, GNB11, HTP+08, KCP+13,
LLL+12, LGV+16, MOJB+19, PF07,
vPBB+10, vPB+11]. Blood-Flow
[vPBB+11]. Blowups [SS3a]. Blue
[AGY+17, CYC+12, CSS12]. Blue-Noise
[AGY+17]. Blur
[IAIK16, PLW12, SYK+18, SBE+15].
Bodies [EL13, GSM+14, KWC+10,
ORC07, SSF13, TF06, TSL+12]. Body
[AdLH13, CPW+18, CTT+16, Cse10, Cse13,
Dan16, Dru08, EVM08, KBS13, KFL+15,
LWP+06, MZH+08, MBB18, PDBG18,
SM04, SL08, WGR+18]. Body-Centered
[Cse10, Cse13]. Body-Swap [PDBG18].
Boltzmann
[AEM09, GL17, LPQ14, WLMK04].
Bone [KSS09, WAW18]. Bone-Like
[WAW18]. booc.io [SST+17]. Boolean
[Ros11, GFG+05, ROS11, Wan11]. Boosting
[LXL+18]. Bootstrapping [SOL11].
both [CDAF18, YNBI11]. Boundaries
[SBG06, WH18, ZM17]. Boundary
[BPB14, CFM12, DBTH07, IK95, LJWH08,
LJHY14, RDB+12, SAS16, Wan08, WM13b,
WWC+14, WTS+07, XYG+13].
Boundary-Aware [RDB+12, XYG+13].
Bounded [HPAW07, HYB+17, LSY+18].
Bounding
[KMKY10, KHM+98, MB18b, SE18].
Bounds [THJ99]. Bowman [Ano14e]. Box
[EM06, EVM08, KEP08, Kim13, MPG+14,
SK13, MPK+13]. Box-Spline [Kim13].
Boxplot [MKW14]. Boxplots [WMK13].
Boy [DHL09]. BPH [ZZS10]. Brace
[Ch16]. Brachytherapy [LDM+18].
Brackets [TSLR07]. Brain
[BZGV14, BJA+19, BSL+14, BTJ+13,
EBB+15, JDLL2, KSI+96, PKF07, STS07,
SAM+05, YSD+17]. BrainGazer [BSG+09].
Branched [RKG+18]. Branching
[WSPYV11]. BRDF [MDG00, PCS+12].
BRDFs [SAS05, SSR+07]. Breadth
[NO97]. Breadth-First [NO97]. Break
Breakdown [RC06]. Breast [KLL12].
BReps [HR07a]. Brick [LWYM12].
Bridging [DPW+15, LTM18, LWC+19].
Bring [SJL+18b]. Bringing [HSC08].
Bristle [KMM+13]. Brittle [GMD13].
Broad [TKE16]. Broad-Scale [TKE16].
Broadcast [WCW+16]. Bronchial
[STM08]. Browse [SCM+06]. Browser
[MMP09]. Browsing [AMA11, BAB+18,
BL07, BTC10, JHR10, WMA+16]. Brush
[FYY+19, TDM+18]. Brushes [FWR00].
Brushing
[HTL13, JBS08, KPV+18, RLS+19, TFFH11].
Brushlet [Sel15]. BSP [WM13b]. BTF
[LP+07]. Bubble
[CPC09, GSWD18, ZFS+19]. Buckling
[KNO15]. Budget [WLHD17]. Buffer
[CMFL16, QK04, Zha14, VP15]. Buffers
[WHL16]. Building
[MAF11, MWC+12, MP13, PKL+18,
SLC+19, SWF+16, VAB12, WFS+16].
Bundled [HEF+14, HPNT18]. Bundles
[H06, YWSC12, ZCL08]. Bundling
[BRH+17, BSL+14, EHP+11, LLCM12,
SHH11, SMNR16, SZW+19, vdZCT16].
Burning [BWP+10, LIGF06]. Business
[BCH+13, VvWvdL06]. Butterfly [MQV00].
BVHs [Wal12]. by-Example [DV95].
Cable [SL08]. Cache [SJH+07, TDR10].
Cache-Efficient [TDR10]. Caches [YL06].
Caching
[GBP07, IWR+18, KGB05, LY06]. CAD
[HC05]. Calculations [SS95]. Calculus
[BKK07]. Calibrated [BJM07].
Calibration [BSM06, BYM05, GIMS18,
HBKS09, IK15, KBB+12, KLS+18, KV98,
MIO+15, PIN+15, PGRS13, RNK+15,
RSS14, SH00a, TGW+95, WCW+16].
Calibration-Free [KV08, SH00a]. Caliper
[PMT+19]. Call [Ano08c, Ano12e, XXM19a].
Camera
[BYM05, CRPH10, Dan16, DH08,
GSCI15, HZM13, JWS04, KNR17, LL04,
TKTN09, TMM+13, WHLD17, WCW+16,
XCZ+19b]. YLL+12, YGFX19, ZJH+11, Zho16].
Camera-Based [BYM05, JWS04].
Camera-Sampling [LL04]. Cameras
[BP16, CPW+18, KM10, LG11, PSM06,
SLG+17, WLT+18b, WXY17, XLC+18].
Can [JAO14, aKGS11, TKE16].
Cancelling [SRW+16]. Cancer
[BSKR19, GHL18, HHO+17, MMB+19].
Canopy [CBLD11]. Cap [XCZ+19].
Cap-mounted [XCZ+19b]. Capable
[RWF19]. Capacities [SLW+10, HSKII07].
Capacity [ChLY09, HW12]. CAPE
[JNC+15]. Capstone
[Ano13t, Cox11, Fra12, Sza10, Bla12].
Capture
[BWK+13, BB19, CTGH13, CPW+18,
CBL07, HCMTH15, LPG+18, LJJH+18,
MCP+06, NQX+05, RK17, SLG+17,
TAL+07, WLT+18b, XLC+18, XCZ+19b].
Capturing
Car [MF11, TYSN06]. Carbon [BWW+17].
Card [HA17]. Card-Based [HA17].
Cardiac [BPM+13, KGP+13, XSZ+17].
Cards [SOR+09]. Career [Ano10c, Ano11c, Ano13c, Ano14d, Ano15c, Ano16b, Ano16d, Car19, Dil17, Fuc13, Han18, Ros13].
Caricatures [CCM11]. Caricaturistic [RVG06].
Carlo [HKL17, LSPW12, RH19, Sbe97].
carrying [HSKIH07].
Cars [RHJ+16]. Cartesian [EM06, KBVH17].
CartoDraw [KNP04].
Cartogram [NASK18, NAK18].
Cartograms [KNP04]. Cartography [Rot13].
Cartoon [YJL+15, ZCH+09, ZHF12]. Carving [DZL+14, FG99].
Carvings [LTPH17].
CasCADe [INCB18]. Cascading [AS98].
Case [BvL06, FWD+17, GGZL16, JCRS09, aKS12, LD11b, MRSS+12, PLC+11b, SS06b, dLVvL06].
Cases [BLS04]. CAST [YEII16].
Casting [BPL+19, HBAB14, HK99, KHW+09, LGM+08, LYS+10, RPSC99, SMP11, SF14, SM97, WJ08, WKI+17, vAPP+11].
Casual [BCR19, PSM07].
Categorical [AAMG12, FWD+17, HV13, KBH06, LSS13, SS16, UDSL18, WPS+09, XZM17, ZMZM15].
Categories [BSG18, KBPG13].
Categorization [JF16, KHSI04]. Category [LGG+18, VFR13].
Catmull [GGLQ19, QMV98].
Causal [KIL07, WM16]. Causality [WM16].
Caused [CMS06].
Caustics [HQ07, MB18a, SKP07]. Cave [PPG+08, CDK+17, DJK+06, FW16, PWHK16, SM12].
CAVE-Like [SM12, FWK16, PWHK16].
CAVE-style [CDK+17].
Celebrating [KHE09]. Cell [CMSW04, GJ10, HPvU+18, IK95, KSG+16, KHDL07, WKME03].
Cellphone [DSC+16].
Cells [MAAB+18]. Cellular [DSG+17, MAK08, MCS+08].
Center [RPHI08]. Centered [Cse10, Cse13, EVM08, GDJ+13, HHO+17, KEP08, LD11b, Mar18, PQF+09].
Centralities [HZM+16]. Centrality [BKWO3, CCM12].
Centralized [LWZQ17].
Centric [KOJ+14, LCMH09, SKK+14].
Centroidal [LSPW12, RLW+11, YW16].
Cerebral [GNBP11, GlvP+12, MVB+17, MOJB+19, OJCJP16, BMGK08].
CFD [CMN13, HOGJ13].
CG2Real [JDA+11].
CGLX [DK11b]. Chains [RS12].
Chairs [Ano14o, Ano16p, Ano16q, BSS18, BRS18, CKSB14, IKLW14, Ano13o, Ano15m, CGGR18, CFK12, CLS13b, DLM+12, GGHZ19, vHMM+11].
Challenges [Nie96, WFS+19].
Challenging [PK08].
Change [GGPPS13, KBH+10, LHH16, MXW+13, RCL+15, SBHW11].
Changes [HHWN02, JBMS09, LMZ06, NXY+18, SCL+12, TS07].
Changing [BS16, DHM13a, SFMB12].
channel [WOCH09, WBD14]. Character [ASvdP14, BMST97, DdL14, KJ12, KCP08, yKL12, LPG+18, MAF11, SKY12, TLD+10, VBK17, VSS08, ZKM18].
Characterise [JAAL18].
Characteristic [HVSW11].
Characteristics [BS02, GLvP+12, RBK+19, YAE07].
Characterization [HEWK03, HEG+17, MY96, MR15].
Characterizing [CGM+17, FBW16, GGY+18, GBP+13, GBCG+14, RESC16, WKM13].
Characters [FS19, HK09, MNZ+15, SWP07, ZKM18].
CHARM [FYX+17]. Chart [KA12, RLB19, RMWC19, TJW+17, WB16].
Charticulator [RLB19].
Chartification [CKL09].
Charts [DDW14, DJ18, HA18, KH0D2, KHDL07, TSA14, WPHW18, LTWH08].
Chase [vW14]. Checks [ASMP17, CLKS19].
Chemical [GBCG+14]. Chemistry [JV09].
Chess [LWL14].
Chief [Lin14d, Ano13n, Ano14n, Ano15l, Ano16n, Ano17n, Ano18n, Ano19n, Ano20n, Ano21n, Ano22n, Ano23n, Ano24n, Ano25n, Ano26n, Ano27n, Ano28n, Ano29n, Ano30n, Ano31n, Ano32n, Ano33n, Ano34n, Ano35n, Ano36n, Ano37n, Ano38n, Ano39n, Ano40n, Ano41n, Ano42n, Ano43n, Ano44n, Ano45n, Ano46n, Ano47n, Ano48n, Ano49n, Ano50n, Ano51n, Ano52n, Ano53n, Ano54n, Ano55n, Ano56n, Ano57n, Ano58n, Ano59n, Ano60n, Ano61n, Ano62n, Ano63n, Ano64n, Ano65n, Ano66n, Ano67n, Ano68n, Ano69n, Ano70n, Ano71n, Ano72n, Ano73n, Ano74n, Ano75n, Ano76n, Ano77n, Ano78n, Ano79n, Ano80n, Ano81n, Ano82n, Ano83n, Ano84n, Ano85n, Ano86n, Ano87n, Ano88n, Ano89n, Ano90n, Ano91n, Ano92n, Ano93n, Ano94n, Ano95n, Ano96n, Ano97n, Ano98n, Ano99n].
Comparison [AG16b, BVW07, BBB+19, CHM11, DPW+15, DJK+06, DLF+09, Gle18, GHC+16, GGC+17, GNDV+18, HJLH19, HFMC12, IC07, KPBG13, KSDD14, KWH19, MMH+13, MLS18, OJEF19, SSMG13, SGB13, SWC+08, TFJ12, VS11, VBV+18, WPS+09, WHR02, WB08, WFG+19, YSD+17, ZLB+05]. Comparisons [KWP01, LBW19, TGH12]. Compatible [BBiA09, BMST97, ER97, YFC+19]. Compensation [GB08b, IHS17, KNO15, LCR16, CVG13, GGJ+18, GK95, GPP+16, GBHP08, HSK14, HBW06, KTC+19, KG06, MK09, MGK09, MGS+14, MK09, Ney98, RFLL18, SFR+10, VMT06, JQD+08, LCM07]. Complex-Valued [GK95, GPP+16]. Complexes [GNPH07, GBP12, GKK+12, GGL+14b, GBP19, SMN12]. Complexity [JWSK07, RBK+15, RMCW19, She97]. Compliant [ATK16]. Component [BMR+19, FWL17]. Components [AMA06, HKG07, SNB+17]. Composable [BTB10, BTHD11]. Composite [ALBR16, Jen12, LPF+19, SWvW+11, SM06]. Composites [BWW+17]. Compositing [GPC+17, KM10, PMS+07]. Composition [BMWM06, KBVH17, KLI+09, LRN96, LJSW08, TZC13, Trd12]. Comprehending [ARH+15]. Comprehensible [KMS09]. Comprehension [LR11]. Comprehensive [AR17, TBB+07, WRF+11, XSZ+17]. Compressed [AYRW09, BRSP18, DWvW12, KMKY10, KKSM19, KM16, Lin14f, PR00a, SD11, WAG+12, YL95, eYL07, PR00b]. Compressing [DSKA19]. Compression [BRP19, BDHJ04, BSL+12, CBL07, CKLL09, CM02, CHF95, CHF96, DRMM13, FM12a, GO15, LLP19, LLT04, LI06, LFR03, MRSS+13, PA06, Ros99, SLV+10, VP04b]. Compressive [SD11, ZFSL19]. Computation [AZM12, BA05, BGT12, CC12, DF96, GGTH07, GNPH07, GBHP08, GBP19, KL14a, KGBP05, LKHW04, PSF09, RKWH12, RLW+11, SMN12, Ste08, TC17, WGS07b, YSS+12]. Computational [BSO+12, CJTM05, GLK+13, KZX+14, PW12, YESK95]. Computer [Ano14c, Ano14j, Ano15a, Ano16f, Ano16a, Ano17e, Ano18a, Ano18b, Ano19a, Ano19f, BvdP12, BSM+13, BDC17, CC12, HE12, HQK06, JD+A+11, Kas12, KHE09, KS14a, KL14b, LWSQ17, MMR09, Ota17, PBO+14, RASA08, SK15, SR00, XSZ+17, Yan18, ZLZ18]. Computing [ABCO+03, BEK10, BTJ+13, CWZ+14, DN13, GBP12, JZLG09, KLI+13, KSY14, MGM09, MZC+16, MTRP10, N09, QCT13, RvWT08, RRJH18, Wan08, WTL+09, XXM19a, XH12, XWL+15]. Concatenating [MCP+06]. Concave [JFBB10]. Convexity [AZC+12]. Concavity-Aware [AZC+12]. Concentration [OKSK16]. Concept [SSL+17, USK12, VI18]. Concepts [HJLH19, Ohl18]. Conceptual [ASW12, DBD18, SHB+14, ZK10]. ConceptVector [PKL+18]. Concordance [VV08]. Concrete [CVG13, FHG+09]. Concurrent [EGH+06]. Condition [PH11]. Conditioning [LLL+10]. Conditions [BMG08, CMF12, LH11, TNB11]. Conduct [LBW19]. Conference [Ano11i, Ano12g, Ano12q, Ano13v, Ano14p, Ano14w, Ano14s, Ano15e, Ano15h, Ano16g, Ano16h, Ano16v, Ano17p, Ano18c, Ano18k, Ano18s, Ano18w, Ano18y, Ano19a, Ano19f, BvdP12, BSM+13, BDC17, CC12, HE12, HQK06, JD+A+11, Kas12, KHE09, KS14a, KL14b, LWSQ17, MMR09, Ota17, PBO+14, RASA08, SK15, SR00, XSZ+17, Yan18, ZLZ18].
CZZ, CFHH09, CCM11, DDW14, DHLO9, DMR04, DBW11, DRHK07, DNP07, DHM13b, DMC15, ERL13, ET08, FW08, FYTL19, FCL09, GCL15, GRT17, GSCI15, GCL18, GIS03, GSS19, GJR14, GPP16, HDDBC15, HE06, HLL97, HLRC12, HM10, HLY18, IFP97, INCB18, IFM14, JSC03, JK16, JNC15, JDL09, JBS06, JCWD14, KRW19, KSG16, KZL07, KHS19, KCA16, KGL16, KGP13, KCK19a, KYT18, KKKW05, LYY16a, LKJ15, LS07a, LWS17, LHR96, LH03, LDH09, LKL15, LHC16, LYL19, LJL04, LKR18, LZZ19, LG13, LDN11, LJZ12, LL05, LY06, LB17, LLCD11]. D [LC312, LGS12, LFR03, LOD16, LSM03, MS08, MWSJ14, MW99, MCH10, MAST16, MCG12, MSA17, MH10, MKJ06, MDS16, MS611, MWC12, NWHD16, NB95, NQX05, NHY18, OHWS13, OA11, dJOBNM17, OHHO6, PDRK19, PQMCR17, PBO14, PZLZ17, PK08, PLW11, PLW12, PJ03, PGT08, PZ07, PH07, PM13, PUNI11, PMT19, PGI17, QCT13, QT96, QY07, QWC09, RSBB17, RHZN11, RKG11, RT12, RKZ19, RF11, SW12, SZB09, SWB00, SBV11, SHM07, Se15, SKYS14, SPP14, SPB06, SWW15, SMN12, SXX19, SW97, SWCR15, SRW16, SGJM18, SKW11, SWB17, SKH19, SS13b, TKTN09, TCL13, TNT17, TMWS13, TC09b, THWS05, TZL12, TAK06, TLC10, VCP08, VAB12, VW12, Vas16, WWYS04, WLL05, WHM96, WM13a, WWC14, WM18, WTL09, WQZ18, WB08, WSE07, WFG19, WX17, WCB12, Won16, WLDW11, XCS19b, XFZ19, XLC19c, YOS13]. D [YPR17, YFC19, YLSL11, YSL13, YL15, YL95, YHH19, YSI10, YE112, YE116, ZTP05, ZHO7, ZWZ13, ZWR14, ZTZ17, ZGH18, ZPP05, Zho16, ZCFL15, vPBB10, vPBB11, vWN04, vLBB16, zBBK14].

D-NURBS [QT96]. D-Snake [LG13]. D [?]to-Leinkuhler:2018-PRT. D.O.F. [TAK05]. D3 [HA18]. DAG [GK17, IG19]. Damage [HTP08]. Damping [SRKL19]. Dance [FXG12]. Daniel [Ano11d]. Dark [KHA12]. Dashboard [BSKR19]. Dashboards [Mck09, SCB19]. Data [AMM08, AJ17, ACS18, AAMG12, AHH14, AZL19, ARH15, ARL17, AA11, AAF13, AAFW17, An09b, ASMP17, ASE16, AJ19, AHL13, BSH16, BPP16, BE18, BFW95, BSS19, BKL11, BKW13, BIA17, BAAK13, BGB15, BPL19, BDSW13, BBP08, BBB19, BDD16, BBB12, BWT11, BG06, BGK06, BAW16, CDC07, CLG16, CLZ18, CWT08, CDR18, CBL07, CZC15, CYW16, CXR18, CHW18, CM16, CSM19, CLC15, CM02, CMP97, CvW11, CN13, CML12, CMSW04, CSC07, CL11, CJTM05, CWRY06, CMP14, DC17, DSKA19, DFD14, DR08, DS16b, EGG12, EM06, EMSP15, EB09, FB17, FKLT10, FPV13, FMI2a, FAW10, FMH08, FSE12, FW00, FIBK17, FMST96, FZC07, GPL11, GHGM06, GHA08, GBW17, GAB08, GS14, GIK07, GWBO12, GK95, GSG96, GW11, GWP16, Gao09, GZL14, GZ14, GPP16, GXZ18, GJG19, HLRS08, HBJP12, HTL13]. Data [HEF18, HDSC19, HR07b, HMM14, HKB319, HB13, HH16, H0606, HM10, HCMTH15, HZM13, HZH14, HZL19, HZM16, HHG14, HEF14, IWR18, IM13, IYIK04, JFSK16, JEG12, JER16, JBS08, JYC10, JA18, JH09, JH09, JFY16, JY17, KSH03, KPNH91, KPHH12, KGS08, KERC09, KLM08, KMDH11, KH13, Ke02, KMD17, KKS13, KLC08, KKP01, KLL19, KSL17, KJW18, KRH18, KOJL14, KL16, KM96, KHP07, KGP13, KB06, KSD14, KPB14, K02, KO1, KG09, KG12, KGZ12, KW13, KHH16, KXW18, LBG16, LSSB12, LSB13, LJC15, LCC17, LWG05, LHD18,
Deep-Learning-Assisted [CCJ+19].
Deeper [HDR+13, YaKSJ07]. DeepEyes [PHV+18]. DeepTree [BHP+12].
DeepVID [WGZ+19]. Defect [SPCJL06]. Deferred [TCM10]. Deficiency [MOF09, MOF10].
defined [JJ09]. Defines [AG17]. Definition [WR11]. Deformable
[ADDG12, BW04, DMC15, DRMM13, EBRi09, GCL+18, HFI14, IFM14, MK13b,
OK15, OKSK16, RGE19, WB08, YYR17]. Density [JVDF19, KlySK12, LBIH18, NE04,
OHJ+11, SWvdW+11]. Dental [WZW+05]. Dependent [BGM+07, BGM+08, CKW+07,
CC08, EBRi09, GLRH13, GKT+08, GY02, HMTR19, HSH10, IAIK16, KRHH11, KL96,
KNO15, KKS19, KG+12, LH06, LP20, LPG15, MCHM10, NSE+12, PD04, SBV+11,
TLC+08, TWHS05, TEC+16, TLS17, USE13, VCP08, WC09, WC10, YSGM05,
ZEC08, Zhu05]. Depiction [BW11, BBIF12, CVG13, VPB+11].
Depictions [PSM07]. Deployable
[ZWC+16]. Deprivation [BBB+16]. Depth
[APW16, BE06, BG07, CMP14, Dan16, EBRi09, IH05, IMS15, KRP+15, KOC14,
KSTE06, KLM04, KJW+14, LDH09, LKC09a, LKL+15, LH16, LHH16, LDN11,
NRS15, PBK+12, RWBF18, SLG+17, SEA09, SJK+07, SSE15, VF13, YYFX18,
YGFX19, ZDJ+09, ZWM13, ZHF+19]. Depth-at-Field [RWBF18].
Depth-Dependent [EBRi09].
Depth-Fighting [VF13]. Depth-Fused
[LDH09]. Depth-Inferred [ZDJ+09].
Depth-Ordering [ZWM13].
Depth-Perception [BG07].
Degree-of-Freedom
[IMS15, LKC09a]. Depth-at-Field
[RWBF18]. Depth-Dependent
[EBRi09].
Depth-Fighting
[VF13]. Depth-Fused
[LDH09]. Depth-Inferred
[ZDJ+09].
Depth-Ordering
[ZWM13].
Depth-Perception
[BG07].
GDJ⁺13, HKBR⁺14, HHO⁺17, HA17, HKR⁺08, HA06b, HB10, HLRC⁺12, HZM13, HLB⁺18, JHKH13, aKGS11, KW14, KAM⁺08, KSL⁺17, KS14b, KBVH17, KHLK17, KOBIH19, KPR⁺14, KOK⁺19, LJX⁺10, LTM18, IWS⁺17, LIRC12, LIM⁺12, LCS⁺12, LDI1b, LLY06, MLMF12, ME18, MJW⁺13, MRSS⁺12, MMAM14, MKT⁺18, MPOW17, MMYM97, MWN⁺19, Mun09, OM09, OK11, PFW12, PWKH16, PB16, QT96, RHY14, RHR16, RKG⁺18, SKK06, SVCA12, SFB⁺12, SHS11a, SNHS13, SM12, SYCY11, SOL⁺16, SD12, SSL⁺12, SNR14, Sza18, TM12, TLD⁺12, TSW⁺07, WGM⁺08, WZK12, WASQ18, WKD19, WQ07, YCLJ12, Zag96, ZHT07, ZM13, tCMR07, vLFR17, WBD14. 

**Design-Sheet**

[RHR16]. **Designing**

[Chi16, EMRY02, HN13, Kei00, KKL09, CMR07, vLFR17, WBD14]. 

**Desktop**

[JD13, LvL12, PFK⁺08, TMM⁺13, TBR⁺12]. 

**Destination**

[AAFW17, GZ14, YDJ⁺19, ZFL17, ZMT⁺19]. 

**Detail**

[AWHS16, BSSH15, CMP09, GLX17, HSH10, HYZ⁺12, KCI⁺10, MB01, NM13, NC07, WGS07a, WY19a, XESV97, Zhn05, ZBDS12, vdEvW14, DMS⁺08]. 

**Detail-Preserving**

[GLX17, HYZ⁺12]. 

**Detailed**

[KLCK17, SSH14, ySKK07]. 

**Detailing**

[YYT16]. 

**Details**

[BBD06, LBS⁺19, NDS10, SA19]. 

**Details-First**

[LBS⁺19]. 

**Details-on-Demand**

[SA19]. 

**Detecting**

[AG17, KSDD14, SXX⁺19, TN13, WBSD11]. 

**Detection**

[BW04, BDJ14, CLZ⁺18, CCW⁺09, CRT04, CS08, FS19, GLvP⁺12, GSM⁺14, GSL⁺17, GRVE07, HLRs⁺08, HQK06, Hub95, JWS04, JPL16, KHS⁺18, KGS98, KMT14, KHM⁺98, LWZ⁺16, LZH⁺13, MBT07, MRSS⁺13, MJK06, MTS07, OSBM14, PLW11, PML97, SBJ⁺10, TCYM09, TN14, WRM⁺10, WWC⁺14, WX17, WSYM17, WTB⁺19, WS01, Won16, XXM19a, XXM⁺19b, ZK07, ZK12, ZK14a, ZLK⁺18, ZBB⁺06, JQD⁺08]. 

**Detector**

[BW03, DNP07]. 

**Deterministic**

[BMA⁺19]. 

**Developable**

[TC09a, WAN08]. 

**Developing**

[BW11, KFS⁺19, NTT⁺19]. 

**Development**

[KMSB14, LKK17, LFA⁺16, MYI13, TAK⁺05]. 

**Device**

[EPS⁺15]. 

**Devices**

[BJM07, BMWW18, DFG⁺14, HTP⁺08, KPR⁺15, LS07a, LHD18, RBDG15, RJG17, SOS⁺17, YC14, YLC⁺19]. 

**DIA2**

[MEV⁺14]. 

**Diabetes**

[ZCD19]. 

**Diagnosis**

[XMRC17]. 

**Diagram**

[CDOKRV09, YBZW14]. 

**Diagrammatic**

[JhR10]. 

**Diagramming**

[LFW⁺19]. 

**Diagrams**

[BTC10, BKH⁺16, CRB⁺05, JRHT14, KLM10, MPWG12, RD10, RZP12, RSFH14, SSKB14, SAS16, SZHR11, SRHZ11, VCP08, WIl12]. 

**Dialogue**

[PMvWC05]. 

**Diamond**

[WD09]. 

**Dice**

[EDF08]. 

**Dichoptic**

[KK19]. 

**Dichromats**

[CC11, KOF08, SMO⁺13]. 

**DICON**

[CGSQ11]. 

**Diderot**

[KCS⁺16]. 

**DiffAni**

[RM13]. 

**Difference**

[RM13, Sza18, WCJ06, YC14]. 

**Differences**

[TSD09]. 

**Different**

[BC18b, FTES13, GJZ⁺12, HOT98, SLW⁺10, TAL⁺07, YL18]. 

**Differential**

[KHW⁺09]. 

**Difficulties**

[HAS11]. 

**Diffraction**

[RSR⁺18]. 

**Diffuse**

[NSS14, SVGR16]. 

**Diffusion**

[CLS⁺12, Cyt⁺09, DPR00, FT09, GVK12, GSZ⁺13, GKL⁺16, HM10, HQ13, HLD⁺08, KLR07, KWH00, KW06, PT17, STS07, STS10, WW07, WDC08, WLY⁺14, ZDL03, ZSL⁺16, ZDZ18, ZHL⁺09, vAPP⁺11]. 

**Digital**

[AB06, DiV15, JSG03, KSI14, HHO10, BWC04, DWF13]. 

**Dimension**

[ALM11, ADP02, BSL⁺14, CCAL12, JSG03, KSI14, HHO10, BWC04, DWF13].
DAW13, EHS13, GPL+11, GBPW10, GS14, GNP+06, HEWK03, HMM14, HNR+06, HRD+19, IHR01, JDL12, KRRH11, KBP14, LMZ+14, LT16, LMW+17, MBS+04, NM13, NE04, OHJ+11, SS06b, SLB04, TA0E+11, TFH11, TLLH12, TKBH17, TLM05, WSPVJ11, WM13a, WM18, WAG06, WXC+08, YXC+18, YRWG13, ZWC+18, ZLC+19, FZC+07, GNPH07, LLRR08, LKP+16, ZWR14. 

Dimensionality [JJ09, KC04, SZS+17, SDMT16, WFC+18]. 

Dimensions [LBGV13, TFH11, YHW+07]. 

Diminishable [AIS18]. 

Diminished [KSY16, STB18]. DimVis [KC14]. 

DimReader [FGS19]. Dinosaur [NTT+19]. 

Dipoles [GBM+12]. Direct [AWC10, ACTM12, BTT09, BMW06, BKW08, CR08, CWM+09a, CCB11, CWC+06, DWB+06, FDPH17, FE17, GPC+17, GKK+12, HLY10, HXF+15, JKYR12, KH19, KWP01, KWH00, KC14, KJL+12, LR11, LLY06, MCK12, Max95a, OKB+19, RE01a, SE17, SF14, Sei15, WQ07, WK+17, YCZ+16, YSI+10, ZWM13]. 

Direct-to-Indirect [ACTM12]. 

Direct-To-Touch [YSI+10]. Directable [JFBB10]. Directed [CHK04, DMK06a, DRMM13, MKT+18]. 

Directing [PvdBC+11]. Directional [SHH11, WWYS04, WC13, ZHZ15]. 

Directionally [AM13]. 

Directionally-Varying [AM13]. 

Directivity [MAK14]. Directly [HBM+13]. Directress [BIRW19]. 


Disciplines [GJZ+12]. Discontinuities [LT10]. Discontinuous [SCKR08]. 

Discourse [ASW12, LS+16, ZCCB12]. 

Discovering [CYW+16, TWC+18]. 

Discovery [BVV+19, DCCW08, Eic00, IDA+14, PLS+14, SS06b]. Discrete [AT05, AHK+17, AJ97, CS08, EVdW19, HKKS18, IHR01, JKL08, KCOY03, LS13b, LLT04, LCS06, PLK+06, RS12, SvdBLM11, SN97, VCP08, Zg96]. 

Discretization [EJR+14, KDBB17]. Discriminable [GLS17]. 

Discriminant [ZPP05]. 

Discriminative [LZZ+19, MGMP18]. 

Discussion [SRW+16]. Disease [BG+11, GNDV+18, M SSD+08, OH+17, TBB+07]. 

Disentanglement [NOB16]. Disk [LLLF08, YXSH13]. 

Disocclusion [DMQ16]. Disparity [WZC+15]. Displacement [AYRW09]. 

Displacements [KMDZ10, WCB+12]. 

Display [BS02, BC18b, CK16, CM16, CDK+17, DK11b, DTT+17, ETO+10, GMS19, Gor02, GPK14, HIH+18, IFP+12, JH13, JRHT14, KKKT18, KBK11, KFL+15, KML96, LSI+15, LDH09, LDN11, LHC10, MY13, MBZB12, MIO+15, NH07, dJOBNM17, ORC07, OHH06, PKS+08, PGRS13, RWBF18, RWF19, RLM10, Sim07, SvfL10, ZHH07, SBWH11, TKT09, TIS16, VB18, WZW+05, WB08, WPSH06, XGS+19, YNYH06, YHW+07, YHLJ08, ZHF+19]. 

Displaying [JS98]. Displays [ACR+19, AHKMF11, AT16, BSE+17, BI12, BSM06, BJM07, BSEN18, BC18a, BMY05, CAN14, DVCDO7, DFG+14, DJK+06, GMS18, HN13, HRIS15, IK15, IDAK15, IA1K16, IHS17, JH13, JWS04, KPB03, KBB+12, Kra16, KOK+19, LCR16, LKID19, LH16, LSK+18, MS04, MT05, MMCE09, OTKS15, PIN+15, PBC17, PGI+17, QPNK18, RHZN11, RM17, SLG09, SBK+11, SFC+07, TKAM06, VH16, WRHR19, XLZ+19, XZ+19b, YBW+19, ZFS19]. 

Dissemination [BK16]. Dissertation [Meh17]. Dissimilar [HGW18, ZCJ12]. 

Dissimilarity [BDD+16]. Dissipation [KLLR07]. Distance [BA05, BK01, CZN+11, DBW11, GMS19, Gu01, GDN+07, HLD+08, JS06, KBB+12, KHSS14, KL14a, KW11, KDBB17, KM11, LPKK12, LMZ+14, NDS10, SFH06, SK00, YXM+15].
Distance-weighted [HLD+08]. Distances [LKD19, XWL+15]. Distant [WHK15].
Distillation [WGZ+19]. Distorted [SM09].
Distortion [BGR06, CVS+19, GHE19, NWWHD16, WLT08, YYS06].
Distortion-based [GHE19]. Distortions [NSZ+17, NA19].
Distractors [PFW09, WP19]. Distributed [BSM06, BSO+12, CMCL06, CLL08, CCQ+14, DL12, LSJ+15, LKS+19, LNS08, MB03, NSS03, OWS15, PST+15, PDD+07, HL10, SS13, SK12, TIK15, Vis15, Wahn14, WAG+12, Wil18, XZB14].
DQNViz [WGSY19]. Dr. [Hau95]. Draco [MWN+19]. Drag [OKB+19]. Dragging [CLEK13]. DrawFromDrawings [MSA17].
Drawing [AMA06, CHK04, DKM06a, FWSL12, FT08, HS11, HSCS11, HQQ12, KZL07, LLH14, MSA17, MN18, NW11, PPP12, RSF14, SZHR11, ZPG19, ZCFL15].
Drawing-Based [HQQ12]. Drawings [BRH+17, BKW03, HLS19, JFZ+18, KKW+17, MNZ+15]. Drawn [CLL12, TRL+19]. DRF [ZCFL15].
DRF-Based [ZCFL15]. Drills [LQ+17].
Drive [YHYM08]. Driven [AZM12, ACR+19, AG16b, ARL+17, BGO16, BMS17, BM10, CDBR14, CDR+18, CSM19, CLR13, CM11, DS16b, FXG12, GH00, GABJ07, GABJ08, GGA+11, HBJP12, HDSC19, HD12, HZL+19, JH09, KWW4, KSI+96, KSL+17, KST+14, KZG+12, LJX+10, LCC+17, LHHJ+18, LMD12, LSS13, LFP07, NW17, LL19, MB12, Mar18, PZLZ17, PK13, PLS+14, PGL+12, RLNN11, SHH14, SPG14, SSL+12, VGO05, VFSG06, TAW+19, WYMO8, WHK15, WFC+18, WMGE12, YLL+12, ZLG+06, ZH07, ZLD+14, ZNX16, ZGM18, tCMR08, MKT+18, YBB+19, ZBW08]. Driver [KGAM18]. Drivers [LWLM18].
Driving [BIPS12, MKT+18, TYSN06]. Drone [EIKS18]. Drone-Augmented [EIKS18].
DT-MRI [AS19, JFTW07, M07]. DTI [BVPtHR09, CDZ+09, JL10, PFK07, PPvA+11, ZCL08]. DTI/HARDI [PPvA+11]. Dual
[ATLF06, DWF+19, HKG07, HF06, KLM04, KM06, LLLF08, LML+18, ME11b, SJW07, TFHZ11, WLLC15, YLSL11, YFZ+18].


Dual-Space [KLM04]. Ductile [FGH+09]. Duet [LBW19]. Duplication [HBF08].

Duration [MVN+19]. During [DC17, JBS+18, KBE011]. DVV [KOJC12].

Dwell [XLZ+19a, XLZ+19b]. Dwell-Free [XLZ+19a, XLZ+19b]. DXR [SLC+19]. Dye [JEHO2].

DynaNalax [PKS+08]. Dynamic [AHS14, AL11, APP+11, BFP14, BSS+13, BY06, BMW18, BFL06, BVB+11, CWL12, CS08, DVP+18, DL12, FvdPT97, FBL+18, FM06, FT08, FTE031, GJG+15, GPK14, GGPPS13, Gu01, GN12, HL02, HSL11, HSCW13, HBW14, HWL+11, HQ04, HTZ+11, HEP+14, JS06, JFY16, JWL05, KJL+12, KLS+18, KW13, LRP97, LPF+19, LHH18, MB18a, MQV00, MKH12, MZH+08, MKW07, MTB17, NW11, NSE+12, NKC08, OBKP18, OBLN17, PCY08, PKS+08, PH08, QMV98, RD05, RGFL14, RP12, RG95, RM13, RSR+18, SST+17, SAM+05, SWW+15, SAC+08, SG99, SLW+10, Snn03, TJW+17, TF06, TSH+14, VS11, VPF15, VB16, WLB+14, WMWL11, WMP19, WFG+19, WB05, YNCP06, ZK17, ZPS04, ZDM13, ZGH+18, ZK18, ZED+19, vedEBvW14, vedEBV16, FHL10, LCM07].

Dynamically [DS16, LY+16a, SA19].

Dynamics [BRNB19, BLG+16, Fau99, GRVE07, GBM+12, KB+18, KE09, LVR07, OBLN17, SJJ+17, SWL+14a, SGPR18, YESK96, ZBMY14, vLB+16].


Editing [ATLF06, BKW08, CML+07, HLCB18, LZH+07, LHY12, LZW+13, LSS+15, TLG19, WM13a, WP16a, WCB+18, WQ07, XNLD11, ZZL+15].

Editor [De 18b, Lin11a, Lin14c, Lin14d, MY14, MFS+09, AD12, Ano05a, Ano05b, Ano13n, Ano14n, Ano15l, Ano15m, Ano16o, BvdP12, BDC17, BGK11, CW11, De 15b, De 15a, De 15c, De 15d, De 16b, DS16a, De 17b, DS17b, De 18c, De 18a, DS18b, De 19b, DFQ12, Ebee00, Ebe03a, Ebe03b, Ebe04a, Ebe04b, Ebe06a, Ebe06b, Ert07a, Ert07b, Ert07c, Ert08, Ert09a, Ert09b, Ert10a, Ert10b, Ert10c, Ert10d, Ert11b, Flo16, De 16a, De 17a, Flo17, GRK14, GJK14, HK10, Hag99, Hag00, HE02, Hag03, H1Y16, IKT15, Joy02, JLS15, Kau98, KL14b, LSC09, Lin11b, Lin11d, Lin11c, Lin12b, Lin12c, Lin12d, Lin12e, Lin12a, Lin13a, Lin13b, Lin13c, Lin13d, Lin13e, Lin14a, Lin14b, Lin15a, MH11, M003, MB19b, Mue19, M1M08, NSvW11, O015, OA11, P1212, Pur09, Qin09, Rus99, SK16a, SK15, SSL08, SL11].

Editor [SW17, Var01, WY19b]. Editor-in [Lin14d].

Editor-in-Chief [Ano13n, Ano14n, Ano15l, Ano16n, Ano16o, De 15d, DS16a, DS17b, De 18a, DS18b, De 19b, Ert07a, Ert10d, De 16a, Flo17, Hag03, Kau98, Lin11d, Lin11c, Lin12e, Lin12a, Lin13e, MB19b, Mue19]. Editorial [Ano97b, Ebe07, Ert07a, Ert09a, Ert11a, Kau95, Kau96a, Kau96b, Kau96c, Kau97, Kau98, KRTvW06, SGR06, SW06, BLRW05].
Editorials [KN95]. Editors [CKSB14, vW11, Ano12g, Ano13o, Ano14o, Ano15m, Ano16p, Ano16q, BHTY15, BSS18, BRS18, BKL18, CCH14, CLS07, CGGR18, CFK12, CLS13h, DW17, DLM+12, FB07, GGHZ19, GW13, GMM05, HKQ13, HP04, HLM10, ILMH12, KMN04, KS14a, KKL11, KHSB11, KPG12, LS06, LST+16, LBKD09, LABS10, MSW19, MW13, RvWT05, TL11, VV12, WL17, WM05, vHMM+11, vWM01].

Education [CB15, Chi16, HA17, SST+17].

EdWordle [WCB+18].

EEG [tCMR07, tCMR08].

Effect [AS11, APP11, BCS11, CDF14, DBD17, DBBF19, GUFM15, GLB16, HKKS18, JSB13, MS18a, MWCR06, MDF12, MTW+12, PDBG18, SZW+19, UBH19, ZKM18].

Effectively [RKA+13].

Effective [BS16, HW12, NAK18, RBK+15, RFF+08, SED19, SBW17, TTR10, BPC+10].

Efficacy [Vas16].

Efficient [APW16, BES12, BSEN18, BN12, CMLZ08, CCB11, CCS12, EG09, FAW09, FHG+09, GGT07, GJ10, GH00, GSG96, GJR+14, GnPH07, HAAB+18, HAGS16, JR07, KSDA16, KYK11, KLC17, KKP+17, KHM+98, KS01, KKM+09, KGSP05, KJL+12, KO908, KZW12, KKS98, KL11, LVRH07, LS13b, LLL08, LIO6, MBT07, MNKW07, MDL+19, MTS07, MSHC99, MTRP10, OBS+15, PD04, PQF+09, PRA+10, RNL09, RN19, RKWH12, SP07, SNM16, SRK+11, SVW09, SR17, SSB+17, SF19, THM15, TDR10, TNS10, USM96, VPF15, WWYS04, WCZ+11, WM13b, WX13, WSYM17, WZ+19, WD10, WSC+95, WP18, XTY+11, XNT11, YEH12, YEH16, ZT99, ZCW19, ZD18, vRKEE17, DMAM19].

Efficiently [AMA11, NSS14, XHF12].

Effort [CFEC17].

Egocentric [BDF16, JNC+15, MDB18, RFSP19, SWW+15, SJK+07, WPZ+16]. egoSlider [WPZ+16].

EIC [De 19a, Ebe07, Ert11a, Lin15, Ano15i].

Eigenfunction [NMGK17].

Eigenvalue [PYW+16].

EL-REP [RF11].

Elastic [BLE19, CDA99, HDBC15, LXW+18].

Elastodynamic [CAP18].

Elastoplastic [HWW18].

Electric [CVC10, WSM+09].

Electromagnetic [LS13b].

Electrophysiological [LHH+12].

Electrically [VA10].

Electrostatic [GBM+12, YNYH06].

Element [AWB11, BTB+04, BSL+12, FSHH12, HTE11, MNKW07, NKFH12, NLKH12, NKFH14, WBH04, YEB16].

Element-Based [HTE11].

Elemental [JDR+18].

Elements [AERA14, DWA10, KA12, NK06, SBM+06, ZQS11].

Elevation [ZSTR07].

Elicit [BBC15].

Elicitation [HHH16].

Embodied [GPK14, LK+19].

Embellishments [BAR12].

Embodiment [GP14, LKS+19].

EMDialog [PS15, BDH+18, SFL+16].
Emissive [MMCE09]. Emotion [SPW07, VBC+16, WBA+14].

Emotion-Based [SPW07]. Emotional [WGR+18]. Empathy [Ger17]. Empirical [BNTM16, CHK04, GDJWLSL17, WHLS19, WRF].

Empirically-Derived [Rot13]. Employing [GS08, WCC+19]. Empty [HAAB+18].

Emulation [OIR+17]. Enabling [ED06, JKRY12]. Encapsulation [JML01]. Enabling [BG07, CCSK19, GYK+16, KW14, KOCC14, KSTE06, KSS09, LJZ12, MJL+18, TCM06].

Enrichment [LXB17]. Enrichment [KTE15, NA19].

Ensemble [BG0J16, CZ+15, DDW14, HZ13, KTB+18, KRRW19, LBS+19, SZD+10, WLSL17, WHLS19, WRF+11, XXM+19b].

EnsembleLens [XXM+19b]. Ensembles [BLLS17, CLEK13, FFST19, FBW16, FKRW17, GBP+13, HHB16, HSSK16, HMZ+14, HOJ13, KBL19, KSDD14, LBR+17, LPCR19, ME19, MGS+14, MK14, OBJ16, WMK13]. Empirically-Derived [Rot13].

Empirically-Driven [MMT14]. Engaging [LKS13a]. Engine [CDL+16, DMT13, DCH+17]. Engineering [GS08, JKLTM06, MGS+14, SZK15, Zaf96].

Engines [DDGL07, SWL+14]. Enhance [FWL17, STH13, SJL+18b, ZK17].

Enhanced [BME19, CZ+19, ETO+10, LPP+06, LG15, NDS10, REB+16, SASS16, SEA09, TC13, YESK05, YFC+19].

Enhancement [JPLS16, KV06, MDM10, VKG05, VJN+15, WK13, ZGW+14, ZNZX16, ZWM13].

Enhancements [KWL14]. Enhancing [BG07, CCSK19, GYK+16, KW14, KOCC14, KSTE06, KSS09, LJZ12, MJL+13, TCM06].

Enriching [LXB17]. Enrichment [KTE15, NA19].

Ensemble [BG0J16, CZ+15, DDW14, HZ13, KTB+18, KRRW19, LBS+19, SZD+10, WLSL17, WHLS19, WRF+11, XXM+19b].

EnsembleLens [XXM+19b]. Ensembles [BLLS17, CLEK13, FFST19, FBW16, FKRW17, GBP+13, HHB16, HSSK16, HMZ+14, HOJ13, KBL19, KSDD14, LBR+17, LPCR19, ME19, MGS+14, MK14, OBJ16, WMK13].

Evaluation [DBP14, TTR10]. Evaluating [BW11, BBG+18, BJ+16, BPC+10, BBF12, DBD18, GO15, GQM+18, HTP19, HSR18, IIC+13, KO12, KLD+09, KPR+14, LBS13, MHD+18, MBZB12, MTW+12, NAK18, OJEF19, PQC+17, PBC17, Ros11, SSRE18, SND05, SBW17, Vas16, WZ08, ZLC+19, cKJG+12, SS19].

Evaluation [AJDL08, AZM12, ALBR16, AS05, BWS+19, BGP+11, BYB+13, BPS13, BTB10, BLIC19, BE09, Brun17, BGR06, BKH+11, BTJ+13, CCK07, COMP13, CS06, Cse10, DRW16, DRHK07, EMSP+15, FSTG16, FTES13, GLH+14, GHL15, HKBR+14, HMSA08, HKH+12, HQC+19, JRHT14, JF16, KGS+08, aKGS11, KKKT18, KOC14, KCH11, KLL12, KDA+09, LLPP19, LT99, LD11a, LDA12, LFA+16, MLMF12, MY13, MK13b, MMYY97, MIO+15, NDM+97, NHB+17, NTS11, OBKP18, PF09, PF12, PWHK16, PFG08, PB16, RMW09, SSKB14, SD12, SFR+10, WAM+19, WR11, WKS05, WCA+17, XG19, YDG17, ZHF+19, tCMR07]. Evenly [LMG06, WLZ10]. Evenly-Spaced [LGM06]. Event [CvW18, CXR18, DFD+14, DSP+17, G514, GZX+18, GJG+19, KBB11, KFN06, LLMB19, LSB+16, MLL+13, PLC+11b, VJC09, WGI, YLL+12, ZCD19].


[Hau97, KLM04, MMY97]. Expectations [KRH18]. Experience [LKS+19, TUG17].

Experiences [HHH16, LLKN17, LLYL+19a, LSV+18, PKG12, RKA+13, WBA+14].

Experiment [SNB+17, SFL+16].

Experimental [BMGK08, BHZ+18, BE09, BFS+11, FIBK17, KHSI04].

Experimentation [KTC+19].

Experiments [MRSS+12, PGK16, TSA14, vFWTS08].

Expert [Gle13]. Experts [AJDL08, GHL18, aKS12, RH19, TVET14].

explain [FGS19]. Explainers [Gle13].

Explaining [GRS+19, PSM12].

Explanation [BW00]. Explanatory [RRJH18, WBE+06]. Explicit [FSHH12, LCS+12, YYD+19, ZCCB13].

Exploded [BG06, KLMA10]. Exploiting [DMAM19, GH95, VB13, WWL07].

Exploration [AZL+19, AMA08, BS+18, BTC13, BBR+17, BMS17, BWW+17, BMWW18, BBP08, BBG+09, BVV+19, BWT+11, BGKG06, BM10, BLG+16, CDDS18, CQC+08, CWT+08, CDZ+09, CCM+14, CZ+15, CGH+19, CSC07, CM08, DC17, DvVH+19, DNN13, DFD+14, DCCW08, DMS+08, EDF08, ERHRF10, EDF11, EBB+15, FDPH17, FPH19, FPV+13, FMST06, GCL+15, GBNP11, GBP10, GLK+13, GS06, GW11, HSS11, HLRS+08, HBJP12, HLRC+12, IVJ12, JNK19, JBMS09, JMK01, JKM07, JSR+19, JFY16, KAKC18, KLM+08, KKP+17, KBH06, KG06, LHD18, LLMB19, LPP+06, LS09, LMZ+14, LKB+18, LHF06, LCZ+19, LGG+18, LKS13b, LS16, LWD+17, LBT+18, LODI16, DSC+16, LBS+19, MJW+13, MV06, MI13, MLKS18, MTRP10, NM13, PBN+13, PSSC17, PSTW+17, PLS+14, PM08, PS06, PHE+18, PTMB09, PKF+08, Pom+09, RGK+13, RT12, SHM10, SKBE17, SM17, SZY+18, SPN+16, SKU+12].

Exploration [SYS+06, SS18, SPG14, TJW+17, TAE+11, TEC+16, TWSM+11, UDSL18, VMCJ10, VJC09, WLJ+12, WCZ+11, WYL+14, WFW+17, WWZ+19, WWYP19, WAG06, WMGE12, WDSC07, WS09, WXZ+16, XXM+19b, YEB16, YEB18, YHW+07, YSI+10, YDC+14, YRWG13, ZMHI+09, ZK06, ZCCB13, ZSCC18, ZLDM16, dOL03, vHP09, vPBB+10, vdEvW14, vdEHbV16, SKL+14].

Explorations [Gle13]. Exploratory [BE18, BWK+13, DPW+15, DB07, FBP17, GBW17, LH14, LLZ+16, LTP+05, MLMF12, SKB+18, STM17, TWSS16, VMN+19, VN19, WMA+16, XYC+18, ZGC+17, ZCPB11].

Explore [CSWP18, HF06, HFM16, LPK+16].

Explorer [PGK16, BGM+17, GFG+14, NJBJ09].

Exploring [AAH+13, BDF+10, BDSW13, CcW18, CHW+18, CG14, DYW+13, EIKS18, FSW09, FH07, GWP+18, GWF14, GK07, HF11, JDL09, JDL12, KBL19, KIC14, LPPC17, LSR+16, LKY+12, MB19a, MAAB+18, PGSF16, PBC17, RGF011, RB11, Sel15, SAM+05, SDW11, SSGM19, STS+14, TIW+19, WMI18, WAI14, WG12, WSC+18, YLZ+13, ZWJ12, vGMSW15, GMD+17].

Exponent [BGT12]. Exponential [CAP18].

Exponents [GT17, GHP+16]. Exposing [WGS+13].

Exposition [WKB19].

Exposure [SBE+15, YWV+19].

Expression [CWZ+14, DNL+06, EG09, KLK+09, ZPS04, ZLG+06]. Expressions [BZS+13, Ros11, WHM14].

Expressive [BLB+17, DNL+06, KSL+17, KKE17, RHY14, YEB18].

Extended [CMFL16, GFL+13, GQGP17, IMS15, KWP01, PLW11, PGI+17, RWBF18, SSS13, VGS12, vdEHbV14].

Extending [FDFR10].

Extensible [MWN+19, WSD+13].

Extension [DCK+12, TLH10, TUG17].

Extensions [BBP08, EM06]. External [CMRS03, CB19].

EXtract [ZHF12].

EXtract-and-COmplete [ZHF12].

Extinction [ZHF12].

Extracted [BWW +17]. Extacting [BWW +17].

Extraction

AAH +13, GGL +14a, GPP +16, JCWD14, PMHI18, YFM01, YSZ +19. Extraction

Ano96b, AE13, AJ19, BDSS18, CML +07, CMM +97, DS16b, ESN +09, ENS +12, GSDJ04, GH95, GKL +16, HKG07, KHL99, KGP +13, LTPH17, LLC15, LBH11, LLRR08, LXR19, LSJ96, MS08, NN11a, NN11b, NKH11, OMD +12, RL08, RKZZ19, SP07, SSS06, STS10, SJ06, SWF +16, SH00b, VAB12, WL08, WC09, WC10, WM13b, WPB11, vWSP96. Extravofeal


Eye [ACR +19, AJ17, AAM +12, AABW12, BPS13, BKH +11, DTM +17, FGBB09, HZL +19, JA18, KDX +12, KW13, KHH +16, KHSW17, LMD12, MSM +11, MVN +19, NBW14, OTKS15, OIR +17, RWBF18, WX17, XGS +19]. Eye-Controlled [OTKS15]. Eye-Head [HLL +19].

Eye-Mark [MSM +11]. Eye-Tracking [OR1 +17]. Eye-Tracking

[AJ17, JA18, KW13, MVN +19]. Eyeglass [XGS +19]. Eyeglasses [CDAF18]. Eyes [KRH18].

Fabricating [AIS18]. Fabrication [PDRK19]. Fabrics [ZBW +13]. Facade [AYW09]. Facades [FWZQ13]. Face

[CPW +18, KEP08, LJJ12, OJEF19, PZ07, PQF +09, SLLM19, SLS +17, WRHR19].

Face-Centered [KEP08, PQF +09].

Face/On [WRHR19]. Faced [ZCFL15].

FaceForge [SLS +17]. Faces [FZBL05].

FacetAtlas [CSL +10]. Faceted [DRRD12, WMA +16, ZCCB13]. FacetMap [SCM +06]. FaceWarehouse [CWZ +14].

Facial [ADG12, BZS +13, CWZ +14, DNL +06, LZD13, WHM14, ZPS04, ZLG +06].

Facilitate [BHP +12, SDES19, SP08].

Facilitating [LDFZ14, SS18, ZCCB13].

Factor [TLL12]. Factories [XMRC17].

Factorization

[CLRP13, EGG +12, Lac96, ZPP05]. Factors [DBP14, TM04, WG12, ZOC +13]. Facts [SDES19].

Faithful [Hu16a]. Familiar [LPCC17]. Familiarity [DLW +17].

Families [KMG +06, MGKH09]. Family [FDC +18]. Farewell

[De 19a, Ebe07, Ert11a, Hag03, Lin15].

Farms [SOL +13]. Fast

[BYA15, CF10, CK10, Cse13, DMR04, DL03, Dru08, ERL +13, Fau99, GJ10, GSM +14, GLM06, GJR +14, Har16, HKH +12, HK99, IYK01, IYIK04, IMS15, JvdLR13, KH19, KSDA16, KNP04, KGS98, KL07, KTCG17, LH03, LYS +10, LRZM11, LGY19, LI06, LSC08, MRT00, NB95, OBLN17, PB13, PNML08, RLH11, RKZZ19, SM04, SE18, SPP +14, SK00, SZH97, Ste98, SRML07, TCM +12, VML97, Vis15, Wal12, WLMP19, WLD +19, Wu16, WHL16, XNLD11, YYY16, Zag96, XWL +15]. Fast-Forward [HKH +12].

Fast-Turnaround [NB95]. Faster [AMA11, BHB04, GU00, HH10, HL09, WFM +05].

Fault [WCB +12]. Fauxvea [GJC +17].

Favre [MFS +09]. Feasibility [SB14].

Feature [ALMF19, AFRS05, BKRE19, BKL +11, CCM +13b, CRT04, CMN13, CSC06, CFTM05, DANS10, FYP10, GKK +12, HLR +08, HYB +17, JSR +19, KHL99, KPB14, LHZ +07, LWCS06, LH09, LWZ +16, LDC16, LWC +18, ME18, MWCE09, MK13a, MDM10, MOG11, PYW +16, PSR17, RKWH12, RGC +14, SYM14, SM17, SS06b, SRML07, VKG05, Wan06, WWLM11, WSW16, WT +19, WTVP11, WMK13, WMGE12, ZAM11, vWSP96, CJR07, LSC08]. Feature-Based

[BKRE19, BKL +11, ME18, MK13a,
GD01, RSB96, Stü98. Formal [VFR13].
Formalizing [MWN+19]. Forman [LLT04].
Formation [HSK14, NTT+19, WLT18a, ZFS+19].
Formations [WXW+19]. Forms [Elb98, SZY+18, Wea09].
Formulation [SCT06, WT10b]. Forums [FZCQ17].
ForVizor [WXW+19]. Forward
CLEK13, HKH+12, PSM06, WXKP14.
Four [BVW+07, HB13, SZB+09, TSA14].
Fourier [ES05, DNP07]. Foursquare
KTE15. FOV [WP19]. Foveated
ACR+19. Fractal [CHF95, CHF96, KW10].
Fractals [VML97]. Fractional [KBVH17].
Fracture [AHK+17, GMD13, Vis15].
Fracturing [BHTF07, GSM+14].
Fragrance [HQ18]. Frame [HM95, JHW+14, KPR+15, MPT03, SSB+17].
Frame-Rate [SSB+17]. Frame-to-Frame
MPT03. Frameless [FSTG16, PK16].
Frames [SWTH07, SM17].
Framework
AT05, Bac07, BKDE00, BDSW13, BC12, BTE+18, CJ10, CVG13, CMP06, CC12,
DIV15, DKL1b, DNN13, EMP09, EASS+18, GKM+15, HDSC19, HMZ+14, JKM07,
KGD+19, Lam08, LP02, LNS08, LWLM18, ME19, MHH+13, MMAM14, MGM19,
MP13, NM13, NDR96, PHF07, QT96, QK04,
RESc16, RRRH18, SE17, SBM*06, SHB+14, SS06b, SPN+16, SLK+17b, SNR14, THM15,
TWSK14, TWC+18, TCM10, VMN+19,
VFP15, WJA+17, WSD+13, WWS+18, WLS+19, WLLM13, XHT+07, XMM19a,
XLS10, YYY16, YDC+14, YSL17, ZWM+19,
ZAM11, ZKGO7, FHL10. Frameworks
BVW+07, CAN14. Framing [HD11].
FrankenRigs [MA11]. Fraudulent
[LG+18]. Free
AL11, BK17, BC18a, DQ07, ELF13,
FvdPT97, GD01, JHGH80, KV98, LLB+06,
LDX10, LLMC12, MXZ15, MSM+11,
OMD+12, RSB96, SH00a, SK99, Stü98,
TYSN06, Wan08, WLW+18, WQZ+18,
XLZ+19a, LGV+16, THT19, XLZ+19b].
Free-Form [AL11, DQ07, FvdPT97, GD01,
RSB96, Stü98]. Free-Viewpoint [LDX10].
Freedom [CMH11, JWCV05, ORC07].
Freeform [LKS13a, ZK14b]. Freeland
[JK16]. Freely [BVW+07]. Frequency
[BS+13, BLM96, GPL+11, HXF+15, HQ13,
LHLM10, OMD+12, SHR+11, WPC+13,
XJF+08]. Frequency-Based
[GPL+11].
Friction [KKKT18, SSIF09].
Friction-Based [KKKT18]. Frictional
[SLNB11]. Friendliness [RBK+19].
Friendly [VPF15]. Frits [Ano11c].
FromDaDy [HTC09]. Front
Ano09e, Ano11h, Ano14i, Ano15f, Ano15g,
Ano16i, Ano16j, Ano11j]. Frontiers
[HKPC19]. Fronts [KHS+19, ZK14a].
Frustum
CLT+08, WHL16, LCM07, CLT+08].
Frustum-Traced [WHL16]. FTMS
BVLO6. Full [AdLH13, KFL+15, LWP+06,
TZL+12, WLL+16]. Full-Body [AdLH13].
Fully [CPW+18]. Function
[BMWM06, Gor02, IWR+18, KMG+06, LWS+17, ME18,
MWCE09, MJW+13, SKK06, SG09, Sel15,
SP96, WZK12, WQ07, ZWZD15, ZT09].
Functional
[BKDE00, BSL+14, DWBR06, FCSF17,
HPNT18, JV09, JEG12, LLL+19a, LSZ+18,
MF11, VAW+17, WSL12, tCMR08].
Functions
BEHP04, CR08, CM08, CM11,
EMRY02, EDvW19, FGF+05, GBP10,
GQGP17, GNP+06, GNPH07, JWD+14,
KM96, KKH02, LF97, LHW10, LLL+12,
LLL+10, LHZ+04, LLY06, NHPN14, RE01a,
SCT06, SSC+16, WTB+19, XJF+08,
YCL12, ZWD+05, vAPP+11].
Fundamental [XYGL13]. Funding
[MEV+14]. Furniture [KHLM17, ZGM18].
Furry [QCH+14]. Further [AMA06].
Fused [LDH09, PPvA+11]. Fusing
[CMM16, WLDW11, YYFX18]. Fusion
[BBB+12, LKR+18, WHR02, ZNZX16].
Future [JF16, KJH+18, Min13, NJ16, Sat13,
WFS+19]. Futing [AZL+19]. Fuzzy
[FM12b, SJL+18a, SB04, VRW13, ZLC+19].  
**FVA** [RBK+19].  
**FWP** [XWL+15].

**G** [CMFL16, **G-Buffer** [CMFL16, **Gabor** [GK95, LLD11], **Gaia** [SIMS19], **Gain** [BSSL19, FWK16, NSE+12, WP19]. **Gains** [SHV+18, ZLK+18]. **Gait** [JBS+18, WSH+19]. **Galaxy** [MQF06].  
**Galleries** [JFY16].  
**Galvanoscopic** [PWG17, WG16].  
**Game** [CWL12, CB15, MBZB12, WGYS18].  
**Game-Based** [CWL12]. **Games** [AZMI12, BEJK12, Chi16, GW13, LXC+17, MH10, MY14, OA11, SK16a, SW17, VW12].  
**Gamut** [SLGM09].  
**GAN** [KTC+19].  
**GANViz** [WGYS18]. **Gap** [BE18].  
**Gaps** [MDS+17]. **Garments** [KZW+16]. **Garuda** [NHN07].  
**Gaseous** [WLMK04]. **Gases** [LIGF06]. **Gather** [HOG+12]. **Gaussian** [HLCB18, IAIK16, JSG03, LZLS16, TWBBM17, WCZ+11, WFW+17]. **Gaze** [GJC+17, GLB16, HZL+19, KHH+16, LSV+18, MSM+11, RKC+16, RRD+13, SKYS14, SLK+17b]. **Gaze-Aware** [LSV+18]. **GazeDx** [SLK+17b]. **GazeVis** [SKYS14]. **GDSPM** [BGK11]. **Gel** [LLB+06]. **Gel-Free** [LLB+06]. **Gender** [PDBG18, WP19]. **Gene** [DWW+12, FNM13, KKL+09, YDC+14]. **Genealogies** [BDF+10]. **Genealogy** [NGCL19]. **GeneaQuilts** [BDF+10].

**General** [DLA+09, GRT17, GUO00, IKLW14, LS02, LP02, MM11, MHDG11, PRA+10, WBE+06, YNM10, ZHGH11].  
**Generality** [GBHP08]. **Generalization** [AA11, MKW14].  
**Generalized** [BDHJ04, CCM13a, GMD+16, GGLQ19, HB13, HLCB18, IHR01, IML13, JR07, LWQ13, LWZ+16, QLM13, TP12, VwVwL06, WTS+07]. **Generate** [IHK05].

**Generated** [DLF+09, JDA+11, SGJM18, vHR08].  
**Generating** [DC17, KNP04, KCC+17, SG09, SRHZ11, THM15, WFM+06, WHM14, YHH+19, ZFL17]. **Generation** [ALM11, BB09, BKRE19, BMW17, CK05a, CCM11, ERL+13, GKT+08, HWM95, IYK01, KLM+08, KDBB17, KBBH13, LHJ+18, LS07b, LML+18, LSV+18, MWCE09, NLS11, SSS+14, SRML09, TW18, TLLH12, VABW09, WZC+15, ZLZ+15, ZLY18, ZT09]. **Generations** [FDC+18].  
**Generative** [BLL19, KTC+19, LSC+18]. **Generators** [LMD12].  
**Generic** [DH02, GW06, HPJG08, LJH+18, VCP08]. **Genes** [SAB+16]. **GeneShelf** [KLK+09]. **Genetics** [NKHC08]. **Genome** [BGM+17, LBK+18, NBJ09]. **Genomes** [WWFT03]. **Genomic** [ADG11, ORRL10]. **Genomics** [GHL18]. **Genotet** [YDC+14]. **Genus** [RvWT08]. **Geo** [CS18, CYW+16, NASK18, PSKN06]. **Geo-spatial** [PSKN06]. **Geo-Statistical** [NASK18]. **Geo-tagged** [CYW+16]. **GeoBuilder** [WTL+09].

**Geodemographics** [DW11]. **Geodesic** [DtL14, HLD+08, PZLZ17, WT10b, XHF12, XWL+15, YSS+12]. **Geographic** [Fis07].  
**Geographical** [TSH+14]. **Geographically** [DB07, YDGM17].  
**Geographically-Embedded** [YDGM17]. **Geography** [GDST16]. **Geologic** [CRB+05]. **Geology** [CCB+18]. **Geometric** [AIS18, BDK98, BMPB08, BGK+11, BGR06, CGL+17, CZN+11, CCM+13b, DBM+06, DVC18, DQ07, GNCM+16, HOT98, HHZH17, HLYL18, KBB+12, LM06, MTB17, MTB18, PWG17, QT96, RF11, SK99, TD95, TL07, WHR02, WTL+09, YNM15, ZHL+09]. **Geometric-Semantic** [BGR06].  
**Geometrically** [FST+14, LSS+15]. **Geometrically-Correct** [FST+14]. **Geometry** [BSS+13, BDHJ04, BBK07, BW08c, CZQ+08, DMC+12, DdL14, DSKA19, FH16, GBP12, GKL+16, HDJ05, KV03, KSY16, KV08, LVH06, LBZ+11, LJZ12, MCK12, MDS16, PH08, RYKL13, RNK+15, SMG+13, ...
Graphical [BH09, HTP19, HMSA08, HFMC12, HFKKS18, IIS14, JME10, KA12, MB01, RMW09, SSRE18, VB18, WCBH10, BDM+17]. Graphical [MH19a]. Graphics [AD12, Ano13, Ano13, Ano13, Ano14, Ano14, Ano14, Ano16, Ano16, BVM17, CW11, DNP07, DB07, GW13, GBWI17, GLM06, HE12, HR07b, HLM10, Hu95, JvdLR13, Kass12, KSL+17, LS07a, MH10, MY14, MGB+19, MMCE09, MF09+09, OA11, PZ12, QMK+06, QK04, SK16a, SMWH17, SvW98, Si17a, Si17b, Si18a, Si18b, Si19, SDW11, SR00, SW17, VW12, YSL+13, Ano14, Ano15a, Ano16f, Ano19a, Ano19f, KHE09, Ano17e, Ano18a, Ano18b].

Graphicle [MB19a]. Graphics [AD12, Ano12, Ano13j, Ano13k, Ano14j, Ano14l, Ano16k, Ano16l, BW17, CW11, DNP07, DB07, GW13, GBWI17, GLM06, HE12, HR07b, HLM10, Hu95, JvdLR13, Kas12, KSL+17, LS07a, MH10, MY14, MGB+19, MMCE09, MF09+09, OA11, PZ12, QMK+06, QK04, SK16a, SMWH17, SvW98, Si17a, Si17b, Si18a, Si18b, Si19, SDW11, SR00, SW17, VW12, YSL+13, Ano14f, Ano15a, Ano16f, Ano16g, Ano19a, Ano19f, KHE09, Ano17e, Ano18a, Ano18b].

Graphiti [SPEB18]. Graphitic [GKL+16]. GraphProtector [WCC+19]. Graphs [APP11, AMA11, BW11, BBG+11, BBG09, BW08c, CHK04, CK10, DN12, DN13, DKM06a, DKM06b, DRMM13, GKN05, GWP+16, HBWI14, KMG+06, KG06, MK13a, MNS18, NGCL19, OOK16, PV06, RM13, STS06, SAC+08, SZW+19, SS13b, TN13, WFM+06, WFM+12, WSW+18, WWS+16, YLZ+13, YDK+18, ZGB+17, ZIG+18, ZBDS12, vLiLD03, vDZCT16, vLBR+16, TGSP09]. GraphSplatting [vLiLD03]. GraphView [AVHK06]. Grasp [LFP07, TWMZ19]. Grasping [PB16].

Gravity [KCT+17, YQK+17]. Gravity-Reduced [KCT+17]. Gregory [Ano13e]. Gremlin [ORRL10]. Grid [BH07, GW06, GI07+07, HHM14, KEJK19, MHDI07, WSM+09, YDG+16]. Grids [BCS11, BS11, CBPS06, Di14, FC95, GJ10, IHR01, MSHC99, MHDI11, SSS06, SM97, USM96, ZCW19, GN12]. Grotto [KLYE13].


GrouseFlocks [AMA08]. Growing [MDS16]. Growth [BMJK09, VN19].

Guarantees [BLW14]. Guest [BSS18, BRS18, CGGR18, CKSB14, GGHZ19, KRTvW06, MY14, O051, SGR06, SW06, AD12, Ano12g, Ano13o, Ano14o, Ano15m, Ano16p, Ano16q, BvdP12, BDC17, BHTY15, BGK11, BKL18, BRW05, CCH14, CLS07, CW11, CFK12, CLS13b, DFQ12, DW17, DLM+12, Ebe00, Ert10c, FB07, GKR14, GJK15, GW13, GMM05, HK10, HV16, HKQ13, HP04, HLM10, ILM12, Joy02, JSL15, KMN04, KS14a, KKL11, KHSB11, KPG12, KL14b, LS06, LSC09, LST+16, LB09, LAB09, MSW19, MH10, MW13, Moo03, MF09+09, MYM08, NSvW11, OA11, PZ12, Pur09, Qin09, Rus99, RVW0, SK16a, SK15, SSL08, SL11, SW17, TL11, Var01, VW12, W01W17, WM05, WY19b, vHMM+11, vWMT04, vW11]. Guidance [AVP19, BSEN18, CGM+17, FM06, HPvU+18, SMT13]. Guide [OHWS13].

Guided [BBH+17, BAAK+13, BTH+13, CD19, CCK07, DFD+14, DCH+17, GSPJ08, KOJC12, LB1+11, MFZ+17, PBN+13, PRH10, QM08, SKB+18, SLGM19, TCM+12, WHX+19, W06G0, XFZ+19, ZHZ15, KV06].

Guidelines [EF10, JF16, KHA10, SOK+16a, SOK+16b]. Guides [KSL+17, PTM+18]. Guiding [WLB+14].


Hamilton [JFT19]. Hand [AVP19, BSB+18, CLL08, CL14, CGB+13, HSR18, TRL+19, TW19].
Hand-Drawn [CLAL12, TRL+19].
Handoff [ZGI+18]. Hands [MUS16, XLZ+19a, XLZ+19b]. Hands-Free [XLZ+19a, XLZ+19b]. Hands-On [MUS16].
HapTable [EASB19]. Haptic [AB01, CMHL11, CGB+13, DDKA06, EPS+15, EASB19, FM06, GLM+17, JAO+14, JWC05, KFN06, LA11, MTS07, ORC07, PCY08, PIS15, SO17, TYL+18, UK12, WZW+05, WRHR19, ZK17, ZH07, UBH19].
Haptics [BLRW05, HSR18, HBKS09, HQ04, NMN+18, STH13]. Haptics-Based [HQ04].
Hard [LYY08, WHL16]. HARDI [PPvA+11]. Hardware [CICS05, FM07, GLM06, GUO00, JvdLR13, JFTW07, KXXW+18, LMC02, MK09, QMK+06, SPM+13, SR00, WWL07, WKME03].
Hardware-accelerated [FM07].
Hardware-Assisted [CICS05, LMC02].
Hardware-Based [WKME03].
Hardware-Decompressible [KXXW+18].
Harmful [CG14]. Harmonic [YCLJ12].
Harmonics [BZGV14, LLW06, LPG12, ZTZX13, ZT09].
Harmonization [FCZ15]. Harnessing [McK09, PBE19]. HART [NK+15].
Hashed [WM19]. Hashedcubes [PSSC17].
Hasse [CdOKRV09]. Hazard [Zha14].
Hazy [ZHC18]. HDF5 [BSO+12]. HDR [YNCP06]. Head [BWS+19, BSEN18, CPW+18, CDK+17, DFG+14, GIMS18, HIH+18, HHWK16, HRISI15, HV00, HZL+19, IK15, IDAK15, IAIK16, KBB+12, Kra16, LCR16, LMD12, LH16, LHC10, LXRV18, MZH+08, MIO+15, dJOBNM17, OTKS15, PIN+15, PGI+17, QPNK18, RKSBI3, RSBBI7, SGQ16, SHV+18, SBK+11, WRHR19, XST+18, XLZ+19a, XLZ+19b, KNR17].
Head-and-Eye [LMD12]. Head-Motion [LXRY18]. Head-Mounted [BSEN18]. CDF+17, GIMS18, HIH+18, HRISI15, IK15, IDAK15, IAIK16, KBB+12, Kra16, LCR16, LH16, LHC10, MIO+15, dJOBNM17, PIN+15, PGI+17, QPNK18, RKSBI3, RSBBI7, SGQ16, SHV+18, SBK+11, WRHR19, XST+18, XLZ+19a, XLZ+19b].
Head-Driven [HHWK16]. Head-Worn [DGF+14, CPW+18]. Heads [DH08].
Health [HHO+17, KKL+16, MMK+17].
Healthcare [ZWA+13]. Heart [BGP+11].
Heat [GWK12, GSZ+13, KL+16, ZHF+07].
Height [BES12, GY02]. Height-Field [BES12]. Heightfield [CMK15]. Held [AVP19]. Helmholz [BNPB13a, BNPB13b, BPB14, PPL+17].
Help [KNKH19]. Helping [LBW19].
Hemicubes [Max95b]. Hemodynamic [GlPv+12]. Hemodynamics [MVb+17, OJCJP16]. Here [LKS+19].
Heritage [LTPF19]. WFS+19]. Hertz [BDF16]. Hessian [ZP05]. Heterogeneity [HCP+15]. Heterogeneous [AWB11, CDC+07, CQ+14, GSA+09, GWE+19, HKC+12, KMDH11, KLL+13, KSY14, LPCC17, SMER06, SSL+12, Vis15].
Hemispheric [PBN+13, WAM+19]. Hex [MCK12]. Hex-Based [MCK12].
Hexagonal [LLW15, NPPZ12].
Hexahedral [DGN11, Dic14, XC19].
Hexahedralization [JHW+14]. Hi [ETO+10, MsvG+11]. Hi-Res [ETO+10].
Hi-Trees [MsvG+11]. Hidden [DW14, EKIS18, RFFT17, SGPR18].
Hiding [KSNY17]. Hierarchy [AHL+13, Bac07, BKM13, BWK+13, CLQC12, CDS+12, CSWP18, CLW04, EF10, FKIR17, GW11, HSW11, HPvU+18, Hol06, HFL18, IVJ12, IYIK04, KH02, KMT14, LBGV13, MV06, MB01, MT01, PLC+11b, PM08, SST+17, SG09, SII95, SDW09, SJ09, TS07, VC17, WXJD17, WXC+08, XNT11, XF04, YSZ04, YWSC12, ZGW+19].

I3D [GW13, SK16a, SW17, MH10, OO15, OA11, WY19b]. IBFVS [LvWH04]. IBR [BHST17]. ICCD [TCYM09]. Ice [PSBS12]. Iconic [vWPSP96]. Idea [PGU12]. Identification [DANS10, LGG +18, LSH07, MVN +19, SZ11, VMN +19]. Identify [DNN13, LGM +18]. Identifying [AAM +12, GRG +19, LWLM18, NR18, WGS +13, YDK +18, ZCL08]. IDMs [ZCD19]. IDSS [ZHZ +13]. IEEE [Ano14j, Ano19a, DFQ12, ILMH12, Ano11i, Ano12e, Ano12g, Ano12h, Ano13j, Ano13k, Ano14c, Ano14j, Ano14k, Ano14l, Ano15a, Ano16f, Ano16a, Ano16k, Ano17k, Ano19f, BHGK14, BHYI15, BKL18, CR08, CCH14, CWS13a, DS17a, DS18a, DW17, EDF08, ERT10c, GMN05, HYW16, HKQ13, IHK +17, Joy02, JLS15, KE09, KKL11, KHSB11, LSCN09, LST +16, MSW19, MW13, NSW11, RVW05, SII17a, SII17b, SII18a, SII18b, SII19, vWMT04, vW11, Ano17e, Ano18a, Ano18b]. iForest [ZLC19]. iForum [FZCQ17]. Illuminated [SZH97, ZM13]. Illuminating [EDK10]. Illumination [AZD17, BB09, BKA +11, BG14, DWB +06, HXF +15, JKR +12, JY17, KSY +14, KGPB05, KPR +14, KJL +12, LR11, MB18a, NW10, NDR96, QXF +07, RBDG15, RJG17, SMM11, SII95, SS95, SEB19, SYR11, WB08, WSE07, WLW11, WPS06]. Illusion [SNB +17]. Illusions [BSWL12, PDBG18]. Illustrate [LSM03]. Illustrating [PGT +08]. Illustration [BPG12, CYZ +09, CSC06, JCRS09, KZL07, RO11b, RHD +06, SEA09, ZH +11]. Illustration-Inspired [JCRS09, SEA09]. Illustrations [Elb09, LCC +17]. Illustrative [BWF +10, BGK06, CPM +13, CSC07, EBR109, HGH +10, LMT +03, RBDG07, VLB +18, WGM +08, WBE +06, XHT +07, vPVvdW10]. Image [Ano10c, ADP02, BW03, BW04, BBH +17, BVW +07, BS02, BTC10, BR06, CMT +13, CMF +18, CAH +13, CMSW04, DMC +12, DMR04, DZL +14, DWK +16, DL03, DHM13b, EHBA11, FWHQ13, FTB +13, FYF +18, FGBB09, FWT +04, FZC +07, GO15, GPC +17, GSP08, GGZ +18, GDKB17, HKC +12, HSR13a,
HSR13b, HSSK16, HLCB18, HLD+08, HPC+13, IHHK05, IDW+13, JST+10, KLC09, KSY16, KOJC12, KEJK19, KCS+16, KOJL+14, KHP+07, KOF+08, KHH+16, LBD+13, LvWJH04, LRRN96, LWCS96, LG13, LS07b, LSWZ17, LLG17, LHYF12, LLC15, LR11, LY12, LSS+15, MS08, ME09, NZS+17, NDR96, PJ03, PGL+12, PBCR11, PPM+11, PMD+07, STB18, SGB13, SSB+17, SZK15, SK13, SKP07, SSW18, SYR11, TDLG19, TWSM+11, Vs16, WW07, WGS07a, WWC+14, WFS+16, WGW+19, WWF+19, WJR+13, XLDN11, XF04, XZC+19a, YCZ+16, YL08, YCLL08, ZHZ+15, ZWS+17, ZJX+15, ZKGO7, vdCvW14, vLBB16].

**Image-Based**
[BW03, BW04, BBH+17, Bro06, CAH+13, FWZQ13, FGBB09, FWT+04, HSR13a, HSR13b, KHH+16, LS07b, NDR96, PJ03, PGL+12, STB18, SZK15, WW07, WGS07a, WFS+16, WWF+19].

**Image-Centric**
[KOJL+14].

**Image-derived** [CDKB17].

**Image-Recoloring** [KOF08].

**Image-Set** [HKC12].

**Image-Space**
[CMSW04, HPC+13, ME09, SKP07].

**Image-to-Geometry** [DMC+12].

**ImageAdmixture** [ZCJH12].

**Imagery**
[CDAF18, CYB08, JK16, LDH09, PSR17, VABW09].

**Images**
[ASG15, BEK10, BJA+19, BM17, CYZ+09, CWC+06, CMP14, DMR04, DHM13a, ERL+13, FWT+04, FBLS05, GQM+18, Hu16a, HHN+06, IV11, JDA+11, KPR+15, KZD+10, KWH19, KCC+17, KCWI13, LAK+11, LWYM12, LHHS16, LLR18, LAP19, MXW+13, NRS15, OH06, PZLZ17, PMH18, SKYS14, Sim07, SLK+17b, SN07, SJM14, SJK+12, TZC13, WLW10, WQ07, XDNN11, YL16, YFFX18, YFM01, ZDL03, ZHC18].

**Imaging**
[KBH+10, MNKT01, PIN+15, RB18, SHC+09, TT05, XSZ+17, vAPP+11].

**Imagining** [HKKS18].

**Imitation** [ZJH+11].

**Immaterial** [LDH09].

**Immersion**
[DHL09, LSSB12, LBS13, Ohi18, SBS16, SHV+18, WGR+18].

**Immersive**
[ANR+18, BGC+11, BSB+18, BKKF13, BL15, BIPS12, BRNB19, CB15, CDK+17, DHK07, ES01, GPL+13, GS16, KNR17, KBS13, KML16, LKKN17, MWC06, MGO+19, PGRS13, RBLW07, SM12, SLC+19, SKH+19, TIS16, Tuy02, TUG17, VSS08, YDJ+19, YLC+19, ZKM18].

**Immiscible** [MEB+14, YYD+19].

**Impact**
[ARH+15, AN13, AAM+12, HCP+15, KRH18, PQMCR17, STS+14, VSS08, WGR+18, ZM17, BPC+10].

**Impacts**
[MZH+08].

**Imperfect** [BJM07].

**Implant**
[DGBW09, DBW11].

**Implantations**
[BSR+14].

**Implementation**
[BWS+19, BC18a, JPD+18, ME09, NDR96, PD04, WZC+15, WR11].

**Implementations**
[MPG+14].

**Implications**
[BMWM06, aKGS11].

**Implicit**
[AG17, BHS12, CGD97, DQ07, Elb98, FGF+05, HQ04, ICS+14, LCS+12, MGM19, SHS11a, SN10, WFM+05, WWC+14, XZB14, YT02, ZG12, ZCCB13].

**Importance**
[CDDR14, Chr03, KW14, KDM+16, LPG15, MDHB+07, PPB11, RvWT08, VKG05, VFS06, WYM08].

**Importance-Driven**
[KW14, VKG05, VFS06, WYM08].

**Impossible** [LYY+16a, SLF+12].

**Improve**
[HKK18, LCL+19, SLMA06, VB13].

**Improved** [EHS13, GBP19, JPLS16, LY06, MPK+13, PFP+11, WM19].

**Improvements**
[HYB+17, SAS16].

**Improvement**
[DRW16].

**Impulse**
[DSS+09, HBF08, JDA+11, KFN06, LLD11, LWS+17, LB03, OPH+16, RSS14, SCKR08, VPB+11, WHA07].

**Impulse-Based** [WGF08].

**Impulsive**
[SM04].

**In-Depth** [KJW+14].

**In-Place**
[PBA10].

**In-Progress** [SPG14].

**In-Situ**
[WKSS05].

**Inbetweening** [Yan18].

**Inclusion**
[KBE+18].

**Incomplete**
[KLC08, LLR18].

**Incompressible**
[BK17, ICS+14, SPS06].

**Inconsistency**
Incorporating [HOG+12, KLCK+17, MFS+09]. Increased [BSSL19, MPG+14]. Increasing [BE06, SCKR08]. Incremental [DKM06b, KLM+04, PSPM15, PML97, SASS16].

Independent [PBA10, SM09, WKME03, Zha14]. Index [Ano97a, Ano99, Ano00b, Ano01a, Ano02, Ano03b, Ano04a, Ano09a, Ano09d, Ano10a, Ano10e, Ano11a, Ano11e, Ano12a, Ano12c, Ano12d, Ano13h, Ano13a, Ano14a, Ano14c, Ano15e, Ano15a, Ano16f, Ano16g, Ano16a, Ano17c, Ano17d, Ano18a, Ano19a, CDS+12, Ano13g]. Indexed [ZW18]. Indexed-Points [ZW18]. Indexing [BG04, CBL07, CdoKR09, HK09, SR17]. Indicator [EDvW19]. Indicators [ALBR16, FRG+19]. Indirect [ACTM12, NW10]. Indirectly [RKC+16].

Individual [BOP15]. Indoor [PZLZ17, YYT16, ZX18, ZGM18]. Induced [Hu16b, WTS+07]. Inductively [SRHZ11].

Industrial [AHR+11, GUFM15, HLRS+08, RGK+13, SLMA06]. Industry [KAKC18]. Industry-Scale [KAKC18]. Inelastic [WLT18a]. Inertial [GT14, GT17, SJJ+17].

Inference [BK12, GHL18, LLL+19b, BDM+17, WCHB10]. Inference-Based [BK12]. Inferring [ZDJ+09]. Inferring [EFN12, NB19, VABW09]. Infill [WAWS18]. Infinite [Bai13, MCA+10].


Information [AJ17, AS05, Ano11i, Ano11l, Bac07, BKDE00, BI12, BDSW13, BEDF16, BBB+12, BE09, CLS+12, CJ10, CGM+19, DBD17, DCCW08, DDRD12, DLR09, ED07, EDF08, EF10, FWR00, GTS10, GTS11, HW12, HA06b, HMM00, HSC08, IC07, IIS14, JH13, JHKH13, JS98, JSR+19, JRHT14, Kei02, KCA16, KSL+17, KJW+18, KC14, LMK07, Lam08, LBI+12, LIRC12, LKH+16, LNS08, LS10, ME09, Mck09, MTW+12, PBE19, PSM07, QWC+09, RHY14, RNE+17, SHM10, SMO+13, SPB08, SLQW17, TTR10, TIC09, WZ08, WII+12, XLS10, YaKSJ07, ZWA+13, ZCW+14, ZK08, vWN04, GLS17, HSKIH07]. Information-Aware [BDSW13]. Information-Theoretic [CGJM19, XLS10, CJ10]. Informational [BW14]. Informative [ZAM11]. Informed [DJ18, FA15, RH19].


Ink [WW07]. InkPlanner [LFW+19]. Innovation [Min13]. Innovating [GGZL18, PFG08, SN05, SNLD06]. Insight [GGZL16, PFG08, SN05, SNLD06]. Insights [GGZL16, PFG08, SN05, SNLD06]. Insight-Based [PFG08, SN05, SNLD06].
Integrality [MCG12]. Integrals [WPC+13].

Integrate [MDG00]. Integrated [GAMD10, MHH+13, RSD+13, SOL+16, Wal12].

Integrating [DQ07, DCM13, OSS+17].

Integration [CGC+11, CWT+08, CGB+13, FM04, HSW11, JYC+10, KPR+15, KBGE11, RLK19, SCHR08, WCD+19]. Integrator [GSS+15]. Integrators [CAP18]. Intel [BWW+12, Wal12]. Intellectual [ZCL09].

Intelligence [BCB10, YSZ+19]. Intelligent [DZL+14, FM06, LFW+19, TLM05, YCHZ12]. Intensity [IVJ12, SWB+00].

Intensity-Gradient [IVJ12]. Intent [GCL+18, LSS09, MGM09, NSS14, TIS16, VBC+16, WBA+14].

Inter-Agent [GCL+18]. Inter-Attribute [LSS09]. Inter-Personal [VBC+16, WBA+14]. Inter-Process [MGM09]. Inter-Reflection [NSS14, TIS16]. Interacting [ADWK+17, BPP+16, DDKA06, YHH+19].

Interaction [BIA17, BBG+18, BGR06, CMHL11, DK13, EFN12, FWSL12, FDPI17, Guo09, GZL16, HKR+08, HEG+17, HSTD18, JD13, JE13, KCPE16, KPBL16, KMLM16, Lam08, LHB19, LKB+18, LGY12, LS10, MWC06, MCG12, MJ09, MBZB12, MF11, NW15, PBO+14, PGK16, PMWC05, PSM12, RLM10, Rot13, RBLW07, SZS+17, SKBE17, SBV+11, Sim07, SS18, SDMT16, TWMZ19, TCM10, TFJ12, WBJ16, WLJ+12, WB05, YML+17, YaKSJ07, YSI+10, YEII16, HWA15, JSV+08].

Interactions [AL06, BOZ+14, CPW+15, DC17, GABJ07, GBCG+14, HSR18, JYC+10, JWL05, LIRC12, MSW+08, PDF14, RJD+07, SKY12, STM08, VBK17].

Interactive [ARB07, AAMH13, AM13, BSB+18, BSS+13, BGT12, BCH+13, BE18, BSM+13, BHZ+18, BWW+17, BBP08, BDSB18, BTB10, BJNN98, BWT+11, BPS+11, BIRW19, BGM+17, BMW17, BFTW09, BTJ+13, CGS01, CTGH13, CZZ+17a, CWT+08, CLT+08, CA00, CYB08, CDZ+09, CYW+16, CZZ17b, CMK15, CK05a, CLR13, CFHH09, CML+12, CCB+18, CMP14, DANS10, DZMQ16, DBW11, DV+19, DWF+19, DB07, EASB19, FYTL19, FPB17, FBTW10, FM08, FSME14, FH16, FM16, GFG+14, GXH+13, GW13, GSA+09, GLK+13, GHL18, GPK14, HLRS+08, HBJ12, HKB+14, HB10, HE06, HSK14, HTP+08, HSSK16, HFG+12, HQ07, HC05, HTZ+11, Hub05, IC07, IIS14, JH13, JV09, JFS16, JWS04, JFTW07, JBH+09, JST+10, JJ09, JCG08, JKRY12, JY17, KSH03, KTC+19, KGS+08, Kas12, KERC09, KLM+08, KMDH11, KL96, KHS+19, KZD+10, KSY14, KOJL+14, KKH02, KZX+14, KMG+06, KBH06].

Interactive [KPBI4, KGPS13, KBE09, KKKW05, KSW06, KSB18, KML96, KKW+17, KCK+19h, LSIJ+15, LB19, LCM07, LPP+06, LS13a, LKH04, LBK+18, LDC96, LSR+13, LCZ+19, LWZ+18, LG+18, LBLH19, LY12, LH14, LWD+17, LDM+18, LCL+19, LRDO0, LMT+03, LMC02, LLLM12, ME19, MB18a, MV06, MKN+07, MM+19, MAST16, MPG06, MGJH09, MGJ+10, MI10, MJ1L+13, MY14, MI13, MAKM14, MRG+15, MQF06, MWC+12, MNC14, MHDG11, MPBM+18, NKH11, NKLH12, NHHY18, NW10, NTS11, NT99, ORRL10, OH12, ODH+07, OA11, PZ11, PKL+18, PPL+99, PPZ+12, PHE+18, PMCS11, PTMB09, PH08, QYH+18, RE01a, RKG+13, RHY14, RAL+17, RLB09, RKK16, RFGFL14, RSA+19, RBDG15, RJG17, RDB+12, RPI2, Rot13, RKG+18, RSM+16, RSR+18, SSRE18, SSC+16, SK16a, SRHH16, SMWH17, SS13a, SWS+08, SKS14, SLB04, STYC12, SDW11, SLK+17b, SH12].

Interactive [SLMA06, SPEB18, SDES19, SKL+14, SB17, SEB19, SW17, SFC+07, SGM+11, TKT09, WPC+13].
TCYM09, TDN+12, TZC13, TLS17, TWBBM17, THT19, TLLH12, TKBH17, VV12, VJC09, WFKH07, WLJ+12, WZQK04, WGS07a, WJ08, WP16a, WM16, WWS+18, WLMP19, WV08, WEE03, WKZL04, WCB+12, WAG06, WFM+06, WDC07, WQ07, WCQ+09, WVL+10, WLS+18, WPSH06, YHW+07, YHJ+17, YDC+14, YYT16, YRWG13, YSZ19, ZK06, ZK07, ZHT07, ZCCB12, ZCCB13, ZEC08, ZG06, ZBDS12, vHvdWvW02, vPBB+11, vFWTS08, WOCH09].

Interactively [JHP+14]. Interactivity [ARH+15, BVV+19, BEDF16]. InterAxis [KCPE16]. Interception [RFSP19]. Intercluster [MQF06]. Interest [AHSS14, HD12, JA18, MVN+19, SXX+19, vHP09].

Interesting [BBH+17]. Interface [AGDJ10, BDS+03, CDZ+09, CML+12, CLEK13, JKM01, KMDH11, KLK+09, KFL+15, LIM+12, LTP+05, MWSJ14, MKT+18, OKB+19, PFW12, PLE+18, SK16b, SYC11, WS06a, WM16, WCC+19, Wu16, ZTA12]. Interfaced [MBT+18].

Interfaces [ADP02, BLO+05, CDF09, HF10, LMK07, LPG+18, OBKP18, POD+13, SKK06]. Interferometry [BPS+11]. Interfirm [BCH+13]. Interior [LL14]. Interlayer [GKL+16]. International [Ano12i, Ano14m, Ano14t, Ano16m, Ano16w, Ano18f, Ano19g, Ano19i, GKR14, JLS15, KHSB11, LBKD09, LABS10, Ano13i, Ano13m, Ano17i, GJK15]. Internet [CYB08, CDM+06, Hu16a, KJH+18, LMZ06, PUNI11, VvWh+07, ZGW+14].

Interoperability [LRT13]. Interpenetration [ELF13, PB16]. Interpersonal [BRNB19, RJD+07, RKA+13]. Interperspective [MT05]. Interpolant [CM10, HTF97]. Interpolating [HB03].

Interpolation [AE13, BHB04, COJ15, CL09, Cse10, Cse13, GAMD10, HWM95, HTZ+11, KCOY03, LWS97, LKC09a, MSA17, ME11a, ME11b, NZS+17, Nie04, ONL+12, PLK+06, PFC18, SFA+15, SKS12, TC09a, ZC06].

Interpolation-Based [COJ15]. Interpretable [KCK+19b]. Interpretation [KRH18, MKN+07, SDES19, WGZ+19, ZWM+19]. Interpreted [RBGH14].

Interpreting [LLL+19b, PGT+08, SDMT16, ZWL19]. Interreflections [SVGR16, XA09]. Interrelation [JH13]. Interrogating [CML+12]. Interrogation [LLL+19b].

Interrogative [HKPC19]. Interruptible [RN19]. Interruptions [GWP+18].

Intersecting [AL11, GD01, HH10, LQX14, WLMP19].

Intersections [AR17, SOL+13]. Interstitial [GKL+16]. Interval [AWC10, CMM+97, FMST96, SYK+18, WD10].

Intervals [WCJ06]. Interventions [BHWB07]. Interview [HHH16, KPHH12].

Interviews [AZL+19]. Interweaving [LLMB19]. Intestinal [RGF+04].

Intracranial [JPLˇS16]. Intrinsic [LBD13, MFZ+17, YXSH13, ZHZH19, ZHL+09].

Introducing [DS17a, DS18a, WLF+19].

Introduction [AD12, Ano12g, BvdP12, BDC17, BHTY15, BGK11, BKL18, CCH14, CLS07, CW11, De 19a, DFQ12, DW17, Ebe00, Ebe07, Ert10c, Ert11a, FB07, GKR14, GJK15, GW13, GMM05, HK10, HV616, HMQ13, HKQ13, HP04, HLM10, ILM12, Joy02, JLS15, KMN04, KS14a, KKL11, KHSB11, KPGL12, KL14b, LS06, LSN09, Lin15, LST+16, LBKD09, LABS10, MSW19, MH10, MY14, MW13, M0003, MYM08, Nie95, Nie96, NSvW11, OO15, QA11, Ota17, PZ12, Pur09, Qin09, Rss09, RvWT05, SK16a, SK15, SS08, SL11, SW17, TL11, Var01, VV12, WLW17, WM05, WY19b, vWMT04, vW11].

Intuitive [JFY16, LH03, SJM14].
Invariance [LJWF12]. Invariant [GST16, RBN+19, RYKL13, TKW08, YSS+12].

Invariants
[BHSH15, RC06, SHM+07, WH09]. Inverse
[BKA+11, CLEK13, HSK17, YKL+08, ZDZ18]. Inverted [TLC+10].

Investigating [BRH+17, HJC14, KDX+12, LD11b, TJW+17]. Investigation
[FFB18, JH16, SCKR08]. Investigations
[KHSI04, PMCS11]. Investigative
[BISM14, aKGS11, KFS+19, cKJG+12]. Inviscid [VHLL14]. Involvement
[MPG+14]. Ion [BvL06, GKL+09]. IPSep
[LHH16]. IPSep [DKM06b]. IPSep-CoLa
[DKM06b]. IR [IAS19]. IR-RGB [IAS19].

IRIS [HGH+10]. Iron [FFG+09]. Irradiance [DF96]. Irregular
[BG04, Bon98, HCP+16, SSS06, SM97, VP04a, WHL16]. Irregularly [ZG12]. ISA
[LvWJH04]. ISMAR
[KHSB11, LBKD09, LABS10, Ano15h, Ano15i, Ano15j, BSS18, BRS18, CGGR18, GGHZ19, KBB+18]. Isocontour
[Lin16b]. Isocontours [CPC09, PH11]. Isocube
[WWL07]. Isodiamond [WD10]. Isogeometric [FH16, SF14]. Isometric
[JBS+18, PTC10]. Isoparametric [Elb95].

Isosurface
[Ano96b, AE13, ASE16, BB09, BWC04, CB06b, CMM+97, DCM13, ESN+09, ENS+12, GU000, HL09, IK95, IYK01, LBS14, LSJ96, MCK12, MKW07, NN11a, NN11b, NK06, SSD+08, SF14, SJ06, SH00b, TIW+19, WFM+05, WFKH07, WJ08, WCO9, WC10, WWW+19, WCJ06, ZK06]. Isosurfaces
[GSDJ04, KW10, SSS06, SEH08, WD10, WPSH06, YWW14].

Isosurfacing [LB03]. Isotropic
[SAS05, WYL+19]. Isotropically
[MMCE09]. ISP [HKC+12]. Issue
[BLRW05, DS17a, DS18a, Hag98, MY14, Nie95, Nie96, Var01, Joy02]. Issues
[DBD18]. iStar [KHP07]. iStoryline
[TRL+19]. Iterated [YYY16]. Iterating
[BDFM17]. Iteration [SKLU+11]. Iterative
[DWB+06, Fan99, HHO+17, HTO09, KBGE11, KPS16, LDW+15, WL08, YSZ04]. Iteration
[BVW+07]. iTTVis [WLS+18]. iView
[ZAM11]. iVisDesigner [RHY14].

JackIn [KNR17]. Jacobi [JFTW07, TC17]. Jam
[WZvdW13]. James [EDK10].

Janmaing [SO17]. Jane [Bar05]. JanusVF
[HR11]. Jarke [Ano13t]. Java [MB03].

Java-Based [MB03]. Jean [MFS+09]. Jet
[CDL+16, DCH+17, KHS+18]. Jet-Stream
[KHS+18]. Jigsaw [GLK+13]. Jim [EDK10].

JiTTree [LBG+16]. John [Ano13d].

Joining [FG99]. Joint
[CD14, JOR+19, MGL07, RSOW18, SYM14, TAL+07, XZM17, BGK11]. Joints [WGF08].

Joseph [EDK10]. Journal
[Ano18f, De17c, Flo18, Lin14e]. Journalists
[BISM14]. Joy [Ano14g]. Judge [KNKH19].

Judgment
[RRSB13, YHR+19].

Judgments
[KHS04, SJK+07, SSE15, YQK+17]. Jump
[KCT+17, HL09]. Juniper
[NSL19]. Jury
[RCW+18]. Just
[LBG+16, NWWHD16].

Just-In-Time
[LBG+16].

KAVAGait [WSH+19]. KD
[WFM+05, HL09]. Kd-Jump [HL09].

KD-Trees [WFM+05]. Keeping [QH18].

Keim [Ano11d]. KelpFusion [MRS+13].
Ken [Ano14g]. Kernel [WHX+19].

Kernelized [BFP+16]. Kernels
[DBH14, HUPS14, RSR+18]. Keshif
[YEB18]. Key [CTT+16]. Keyboard
[LIRC12]. Keyframe [GSC15, PLW11].

Keynote
[Ano13u, Bai13, Cze12, Heg10, Min13, Sat13, Seq12, Tha11]. Keyword
[FFB18, RGP+12]. Keyword-in-Context
[RGP+12]. Keywords [IIS+17]. kHz
[BWS+19]. Kick [PVF13]. Kick-off
[PVF13]. Killing [HMTR19]. Kilo [BDF16].

Kilo-Hertz [BDF16]. Kinect
[LZLS16]. Kinectrack
[IFM14]. Kinects [TZL+12].

Knowledge [AS05, CB15, KBKG07, MWN+19, SSS+14, SS06b, WSL+18, WGZ+19, ZGI+18].

Knowledge-Assisted [WSH+19].

Knowledge-Based [KBKG07].

Knowledge-Transfer [ZGI+18].


L [MCA+10]. L-Infinite [MCA+10]. Lab [Ano05c, BTC13, KTC+19]. Label [CLG16, KOK+19]. Labeling [BDY06, BHZ+18, CG08, CB19, FSH+12, KCK+19a, MTM+16, NW11, XHZ19c, LSC08]. Labels [YS13, KCK+19a, TLH10].

Lagrangian [BTT09, GHP+16, HOGJ13, JEH02, SP07, SWTH07, SXM17, SFB+12, Wu16, YNBH11].

Lake [UDSL18].

Lambertian [MBT+18].

Lamp [GHE19]. Lamps [RKK16].

Landing [GS16]. Landmarks [Hu16a]. Landscape [IV11, OHWS13, TSD09].

Landscapes [TSW+07, WBP07]. Language [CCQ+14, DH08, H10, KCS+16, LLL+19b, NW15].

Languages [DWBR06, RBGH14].

Laplacian [ATLF06, ZHX+11]. Large [AvHK06, AHS14, AG06, AABH+16, AAMG12, AAMH13, APS+14, APW16, BW11, BDJ14, BBD+11, BAAK+13, BDF+10, BB08, BB06, BWT+11, BTC10, CBPS06, CGC+11, CMLO6, CWDH09, CGH+19, CMK15, CPK+05, CK05b, CAN14, CV+12, CLB+16, CLWW14, Dic14, DGW10, DYW+13, DHR+19, FSFH12, FSW09, GKN05, GCL+15, GSS+15, GPL+11, GHGM06, GHA+08, GCL+18, Guo09, HSS11, HAAB+18, HHWN02, HDSC19, HE99, HSSK16, HBC12, HC05, HTE11, IWR+18, IV11, IDW+13, JH13, JST+10, JS98, JHP+14, JDA+11, KSH03, KRW19, KHDLO7, KLK+09, KKP+17, KZX+14, KJW+14, KGJ09, KML+06, KCM18, LKD19, LKB+18, LSS+11, LHF06, LFLH07, LZ1+13, LWL+17, LXR19, LBS+19, MS08, MGM14, MNS18, MGM09, MOC+14, NLS11, PFW09, PW12, PJG+10, PY09, PGI+17, SMD14, SXM17, SF19, SSS1b, SMER06, SCL+12, SKH+19, USM97, WGS07a, Wan11, WFW+17, WYL+19, WWZ+19].

Large [WSLL12, WDSL07, XZC+19a, YHW+07, YXM+15, ZBG+17, ZMT+19, ZBG16, dLV+06, vHP09, vWN04, vZC16].

Large- [HBC12]. Large-Magnitude-Range [ZBG+17].

Large-Scale [APS+14, BWT+11, DiC+14, DGWC10, FSW09, GCL+18, HAA+18, HDSC19, JST+10, KKP+17, LFLH07, LZ1+13, LXR19, LBS+19, MGM09, MOC+14, PFW12, PY09, SXM17, SKH+19, WSL12, YXM+15, LFH06, LWL+17, SMD14].

Large-Scene [APW16]. Largest [SWC+08].

Lark [TIC09]. Laser [GK95, KIS17, PW017, VAB12, WG16, ZHSS10]. Last [LNL96, LBS+19]. Latency [BWS+19, FS14, FSTG16, FKS16, LBS+16, LH14, OSL15, SGQ16]. Latent [HLG+14].

Lattice [AME09, BBL14, CSE+13, EM06, EVM08, GLX17, KEP08, Kim13, LPQF14, QXF+07, WZF+04, WLMK04].

Lattice-Based [QXF+07, WZF+04].

Lattice-Boltzmann [AME09, WLMK04].

Lattices [AME09, Ham11, PQF+09]. Law [KH16, MMT+14, HYFC14]. Laws [ZK10].

Layer [IHS17, LBM+06, SLE10, SWF+16, WLSW08, YBW+19]. Layer-Based [WLSW08].

Layer-Wise [SWF+16].

Layered [BW11, BHW06, BH07, IHL05, K00a, K00b, KS01, KA12, MTS07, OKS16, WWY14, ZHC18].

Layering [RASS17, ZHF12]. Layers [GQGP17, RBQ07, SBV+11, WTP+19].
Laying [AHL13]. Layout
[AMA07, BKM13, BSV11, DBD13, DLA+09,
DKM06b, FT07, GHN13, KDMW16,
KMLM16, KCM18, MSvG+11, MM08, NA19,
SNG+17, SRMOW11, WLD+19, Won16,
YDG+16, YCHZ12, ZOC+13, DMS+08].

Layouts [BB12, DLF+09, FT09, LPP+06,
OAHI4, RLS01, SDW09, WSA+16, YL06, vHR08]. Lazy
[DWBR06, SM97]. LazyNav [PGI+17].

LBM [PQF+09]. LCDs [ZFS19].

LDSScanner [XYC18]. Leader [GR15].

Leak [IHS17]. Lean [BWP+10]. Leap
[GS16]. Learn [BJY+18, CH16]. Learned
[KFS+19, TWMZ19]. Learner [KLL12].

Learners [RKA+13, TNT17]. Learning
[BJYEY10, BHZ+18, BBG+18, BHP+12,
BOZ+14, BC18b, CPG+15, CZH11,
CCJ+19, DBH14, DNL+06, EAS+18,
FWG09, HKPC19, HSK17, IHD+18, KCM18,
LZZ+19, LL+19a, OAHI4, RRJH18, RM15,
SKKC19, SST+17, TFO09, WSW+18, YC14,
YWY+19, ZWM+19]. Least [MDS16,
MG14, PK12, PNML08, SZ11, WL08].

Least-Squares [MG14, SZ11]. Legends
[DWS10]. Legibility [CCAL12]. Legible
[CWK+07, War09]. Length
[CXDR19, MCP+06, VC17, Wan08].

Length-Preserved [Wan08]. Lens
[BHST17, BTHD11, CMF+18, EDF11,
HTE11]. Lenses [BTB10, BTHD11,
KCJ+10, PBA10, RSA+19]. lensing
[THT19]. Less [SGQ16]. Lessons [KFS+19].

Level [AJ19, BGB15, BW01, BM13,
BMP08, BV106, CLM017, EWWL19,
FT07, HMBG01, HSI10, Hu16b, JvdlR13,
KWP01, KCPE16, KKP+17, LVRH07,
LKH04, LY12, LTKF08, LKT13, MB01,
ME11b, NB05, NC07, SKK06, SRC02,
SRP03, SJH+07, SKL+14, SPW07, SNR14,
VB18, WGS07a, WOO17, WD09, WT10b,
WY19a, XESV97, Zha05, ZBSD12].

Level-of-Detail
[HSH10, MB01, WGS07a, Zha05, ZBSD12].

Level-of-Detail-Based [XESV97].

Level-Set [AJ19, BGB15, BW01]. Levels
[AWHS16, BBG+18, KCK+19a].

Leveraging [ADG11, RKA+13]. Levitation
[TYL+18]. Lexicon [PKL+18]. LH
[SBSG06]. Library [RLA+13]. LIC [HA04].

LiDAR [WX17]. Lie [ZHG11].

Lieberman [An10]. Life
[Bai13, BHP+12, PSM07, RKKF19]. Lift

Ligand [LBH14]. Light
[BB09, BKA+11, DK13, GYK+16, Hau97,
IK15, IA16, IHS17, KKE17, KSM19,
LDS17, LYG15, MYM16, MB01B,
TAL+07, WLL+05, WSY07, WHL17,
WC13, 1YA0, YHJ08, ZFL19, ZW07].

Light-Field [IK15]. Light-Joint [TAL+07].

Lighting
[GFU15, KISE14, KPH+12, KPR+14,
LHLW10, LH06, LG12, MBW+17,
SOL+16, TLD+12, WC13, ZM13, ZMD13].

Lightness [SSG16]. Lighthing [KL07].

Lights [KW14, OBS+15, WLMP19]. Like
[JKM01, KCM18, SM12, WAWS18, BS16,
FK16, KDMW16, MMYK06, PWH16].

limitations [DMAM19]. Limited
[BSE18, SHY+18]. Limits [HW12]. Line
[BPM+13, CF10, DHL09, EHS13, Elb95,
Elb98, EBR09, FW08, FC99, GR15,
HSW11, H134, IG19, JFZ+18, KRW19,
KZL07, KGP+13, LM05, RMCW19, SK98,
Sun03, WHZ+18, WWZ+18, XMRC17,
YCLJ12, ZCFL15]. Lineage [NGC19].

LineAO [EHS13]. Linear
[ATK16, AE13, BS08, GAMD10, HJW99a,
HJW99b, KC04, KH01, LVR06, MM16,
NHNP14, PCG15, SB01, WFS+16, WB08,
WB04, YPI13, FGS19, SST+17]. Linearily
[NJ09]. Lines
[HR01, KHL99, KHS+18, MZC+16, SZH97,
SF04, THWS05, TKW08, WFR+10, WT10a,
WFG+19, WTS+07, XHT+07, ZHZ+11,
ZBB+06, ZPP05, FGS19]. LineSets
[ARR11]. LineUp [GLG+13]. LineUps
[BDM$^+$17]. Linguistic [SS16]. Link
[JRHT14, NBW14, OJK19, SSKB14, TNB11]. Linked [CvW11, FG09, JDL09]. Linking
[HTL13, KPV$^+$18, NA19]. Links [SW5$^+$11]. Liquid [CM14, CMK15, Dic14, GLX17,
JKM06, MLMF12, MJK06, SPCJL06]. 
Liquids [LGF06, YYD$^+$19]. List [Ano00a, Ano01b, Ano03a, Ano04b, Ano05e, Ano06,
Ano07, Ano08a, Ano08c, Ano10b, Ano11b, Ano12b, Ano13b, Ano15b, Ano15a, Ano17a,
Ano17b, Ano19b, Ano19c, Ros11, Ano14b]. Listener [MAK14, MDHB$^+$07].
Listener-based [MDHB$^+$07]. Listening
[BSSB10]. Lists [HBW14, IK95]. Lite
[SMWH17]. Literacy
[BRBF14, LKK17, RM15]. Literary
[HFM16]. Literate [WKD19]. Literature
[BKW16, FHKM17, SZS$^+$17]. LiteVis
[SOL$^+$16]. Liu [Ano13f]. Live
[HB13, LMD12, MNZ$^+$15, MFZ$^+$17,
SKH$^+$19, TKTN09]. LiveGantt
[HP$^+$14]. Liver [HCP$^+$15]. Lives [BSSB10, TKE16].
LiveSync [KBKG07]. Living
[IWSK07, MLMF12]. LloydRelaxer [LT18].
LMap [NGK18]. Load
[DL12, NLS11, SBS16, ZGH$^+$18].
Load-Balanced [NLS11]. Local
[CRT04, DK13, DMC$^+$12, DVC18, EBB$^+$15,
HLY10, JWSK07, JCC$^+$11, KV03, KO12,
KW14, LS13b, LWZ$^+$16, LGY19, LLL$^+$10,
LZLS16, LLY06, LKM$^+$18, MGW10, NGK18,
NOB16, OHWS13, PKSN06, PMC11,
SWB$^+$00, SPP$^+$14, SSV18, WZW$^+$05, YC14,
YNM15, ZGG$^+$12, ZCW19, vLBB16].
Local-to-Global [LWZ$^+$16]. Local/Global
[LGY19]. Locality [JM10, MFS$^+$09].
Locality-based [JM10]. Localization
[APV$^+$15, LD11a, VAR514, Zho16].
Localized [APS$^+$14, WGS07b, YBZW14].
Locally [Gu69, MB18b, RLNN11].
Locally-Ordered [MB18b]. Locate [VP09].
Located [IFP$^+$12, IC07, LHD18, TIC09].
Location [EPS$^+$15, GJ10, GJC$^+$17, PBK$^+$12].

Locations [LWL$^+$17]. Locomotion
[GPK14, KFL$^+$15, MK13a, NSN14,
OBKP18, PFW12]. Locomotive [ANR$^+$18].
Locus [ZOC$^+$13]. LOD
[LKC09b, WS06a, PKF07]. Logarithmic
[BBD06]. Logical [IBJ$^+$14]. Logistic
[DVH$^+$19]. Logs [BMJK09, GGZL16].
Long [LDN11, LCNG14, LD11b, MVN$^+$19].
Long-Duration [MVN$^+$19]. Long-Range
[LCNG14]. Long-Term [LD11b].
Longitudinal [BN11, PGU$^+$13, SNLD06].
Look [BRP19, KH16, KCM18]. Look-Up
[BRP19]. Looking [Fis07, TNT17]. Looks
[CLKS19]. Lookup [MAST16]. Looming
[RFSP19]. Loop [BKA$^+$11, KH19, LCP$^+$13,
LRZM11, TGSP09]. Loops [FT13, XHF12].
Lossless [FM12a]. Low
[ASDW14, CVS$^+$19, DRHK07, FSTG16,
FKS16, GGZ$^+$18, HHM14, KM10, KWDG11,
LLR18, OMD$^+$12, PSSC17, PS12, RZP$^+$07,
WLHD17, WHX$^+$19, XYC$^+$18, YBZW14].
Low-Cost [DRHK07, KM10, RZP$^+$07].
Low-Dimensional [HHM14, XYC$^+$18].
Low-Pass [ASDW14]. Low-Rank
[LLR18, WHX$^+$19]. Low-Resolution
[PS12, YBZW14]. Lower [AS11].
LoyalTracker [SWL$^+$14a]. Loyalty
[SWL$^+$14a]. LSTMVis [SGPR18].
Lumigraph [EHH$^+$19]. Luminaires
[LPG15]. Lyapunov
[BGT12, GT17, GHP16].

M [An013e]. Ma [An013f]. Machine
[FWG09, KCM18, SSKC19, TKC17,
ZWM$^+$19]. Machine- [TKC17]. Macro
[MRS$^+$13]. Magic [BHST17]. Magnetic
[GPP$^+$16, SCT$^+$10, TYL$^+$18]. MagnetViz
[SD12]. Magnification [PBA10].
Magnifier [ZZG$^+$12]. Magnitude
[BDJ14, GU00, KRRH11, ZBG$^+$17].
Magnostics [BBH$^+$17]. Maintaining
[FSSH12]. Maintenance [HF11, SLMA06].
Majorization [WWS$^+$18]. Make
[LKH$^+$16, OSK12, YAE07]. Makes
[BVB+13]. Making
[CDW+16, IS14, KDX+12, PSTW+17].
Management [BTC13, CMRS03, ET08,
FWL17, GZL+14, IG19, IYS13, KWS+14,
LSJ+15, MBH+12, PFK07, TLS17, WP18].
Manga [YHL+17]. Manhattan [VAB12].
Manhattan-World [VAB12]. Manifold
[GTLH01, HHQH17, KW11, KBH13, LPG12,
PYW+16, SJW07, TFO09, ZCFL15,
ZWM+19]. Manifolds [DMR04, ZWR14].
Manipulate [JAAL18]. Manipulated
[GS05, vdEHBvW14]. Many-to-Many
[WCT13]. Many-Eyes [VAB12]. ManyVis
[RSD+13]. Map [AABS+14, APP11,
APW16, BT13, BDM+17, BY06, BDD+16,
BSV11, CLG16, CDBR14, CM16, DWS10,
EWWL98, FYWY16, GXH+13, HGWW18,
HR96, HS19, Jen12, JiR10, KCH11,
KLG+16, KSBE18, NB12, SRMOW11,
WS06a, WP16a, YYY17, YKL+08, YSS+12,
ZMZM15, MTS07]. Mapped
[FYWY16, PS12]. Mapping
[AS18, BKA+11, CXM19, DT10, EWWL98,
FST+14, Guo09, GZ14, HAT+00, HUPS14,
HWL+11, HZ14, JKR12, JY17, KHI9,
KLS+18, KKW+17, LYY08, LBG+08,
LGO09, LGY19, MZX15, MN07, MDB18,
NW17, PNML08, PSN10, PWG17, SGS+19,
SKP07, SJB10, SLS+17, SHC+09, SJ09,
SCL08, THV+14, XYGL13, YLY+12,
ZMG+10, ZDM13, ZSG+13, ZKK02,
vHVV09]. Mappings
[HSK17, NGK18, PMH18, RGE19]. Maps
[AMJ+12, AYRW09, APV+15, BMJK09,
BJB+12, BSR+14, CH17, JDL12, JVDF19,
KMM+13, LLHL14, MSME14, MV06,
MKH12, MMK+17, MLD+19, NE04,
NHB+17, NW11, OBS+15, RCSJ18,
RASS17, RM13, SKB+18, SWvdW+11,
SST+17, SLQW17, TIW+19, TGS11, VT08,
WC11, WZC+15, War09, XHL18, YDJ+19,
YGFX19, ZFL17, ZM17, vW14, KFS+17].
MAQUI [LLMB19]. Marbling [AB06].
Marching [DSC+08, DSS+09, LB03, Nie03].
Marginal [XZM17]. Mark [MSM+11].
Marker
[KSY14, PSN10, SG05, vdEHBvW14].
Marker-Based [LJH+18]. Markerless
[CMPC06, KH19, LH09, MGL07, SM09,
SLS+17, WLT+18b, XCL+18]. Markers
[AS18, BDJ14]. Markov [PBL10, RS12].
Martian [YQK+17]. Mashup [WDSC07].
Masking [GO15, LLPP19]. Masks [KM16].
Mass [AAFW17, CM14, DT10, EG+12,
FT09, RB18, SAC12, ZSG+13, vLBR+16].
Mass-Conserving [CM14]. Mass-Spring
[SVAC12]. Masses [VAB12]. Massive
[AK02, ADWK+17, AA11, CL18, CCL+16,
KSY14, PSN10, SG05, vdEHBvW14].
Massively [LLB+12]. Massless [SLNB11].
Master [TAK+05]. Master-Slave
[TAK+05]. Match [LDW+15, PYHZ14].
Matches [BNTM16]. Matching
[CCM+13b, FKLH10, FS012, HE09, KSBE18,
LRPF79, LWQ17, LFP07, LB17,
MGMP18, SSE15, TWSS16, WSW16,
XLND11]. Material
[AGDJ10, BDS+03, HHI+18, HKG07, IZM18,
LLL+10, PO+13, RYKL13, SAC12,
SFA+15, SRKL19, UMW+12, WLLC15].
MaterialCloning [YL16]. Materials
[BSS+13, BHTF07, GKL+16, HWW18,
LB15, MBT+18, RBDG15, Vis15].
Mathematical
[GHK97, KLMA10, ZFSL19]. Mathematics
[HP04]. Matrices [DWvW12, LBK+18, OJK19, PDF14, ZCL09]. Matrix [BBH+17, CMP09, CLRPL13, EDF08, IML13, LLR18, TIW+19, VM CJ10, WLLC15, YRWG13].
Matrix/Tree [YRWG13]. MatrixExplorer [HF06]. Matter
[Ano08b, Ano09e, EBB+15, JFTW07, KHA12, MSE+06, SAM+05, ZCL08].
Maxent [GHN13, MNS18]. Maxent-Stress [GHN13, MNS18]. Maximizing [SLF+12].
 May [CG16], Maze [LYY+16a]. Mazes
[WLWL10]. MDS [IMO09, JFSK16]. Me
[CLKS19, Ger17, MHS07, UKW19]. Mean
[BSL+14, CL09, CG14, FYWY16, PA06].
Mean-Shift [BSL+14, FYWY16]. Meaning
[BAW16, SGS+19]. Means [RMW09].
Measure [GMS+07, JAAL18, RKG+11, RvWT08, RMCW19]. Measurement
[LA11, ZH15]. Measurement-Based
[LA11]. Measurements [PMT+19].
Measures
[CVG13, Far12, MJL+13, PH11, ZLB+05].
Measuring [CFEC17, CWRY06, FS14, KDM+16, WTB+19]. Mechanical
[ATK16, LSZ+18, WHFL14]. Mechanics
[EGS03]. Mechanism [FWR00, YDY+19].
Media [Bro07, CYW+16, DK13, HWS17, LSB+16, LWM18, MS18a, MSW+08, MYM16, SWL+14b, SKLU+11, TKE16, WH18, WLY+14, XWW+13, ZC03, ZFS+19, ZCW+14].
MediaLife [LYY+16b, SAR96, SPB96, SCYW16].
Median [SB04]. Median-Based [SB04].
MEDIATE [PMvWC05]. Medical
[DMR04, HJLH19, KCK+19b, LLPY07, LRF+11, PPM+11, Sat13, SK13, SKYS14, SHC+09, SLK+17b, SEA09, UK12, WKB+13, YL16, vLLB16, MTRP10].
Meeting [SBB+18]. MeetingVis [SBB+18].
MegaMol [GKM+15]. MegaParallax
[BCR19]. Melange [ERHRF10]. Melting
[LIGF06]. MemAxes [GGJ+18]. Members
[Ano15h, Ano15k]. Membrane
[DTT+17, LH+12]. Membranes [Del08].
Mementos [TBHC16]. Memorability
[BBK+16, MPWG12]. Memorable
[BVB+13]. Memoriam
[Ano05c, Bar05, EDK10, Han95]. Memories
[TBHC16]. Memory
[BSO+12, CMCL06, CMRS03, GJ10, GGJ+18, GJR+14, GBP19, HBJP12, HE12, HSZ+11, KSDA16, KYK11, KKS98, LJS+15, PSSC17, PDBG18, RCW+18, TSD09, VPF15, WX13, Zha14, ZD18].
Memory-Efficient [GJ10, GJR+14, KSDA16, KYK11, KKS98, WX13, ZD18].
Memory-Friendly [VPF15].
Memory-Hazard-Aware [Zha14].
Memory-Scalable [HSZ+11]. Memoryless
[LT99]. Mental [APP11, LLHL14, LS10].
Menus [GPL+13]. Merge [SSE19].
Merger [CWC+06]. Merging [LH03].
Mesh
[ALMF19, AZC+12, CS18, CC08, CKLL09, DSC+08, DSS+09, FYP10, GABJ08, Guo01, GSPJ08, KSH03, KL03, KL07, LHH+12, LRNS96, LH03, LHBF19, LG15, LLT04, LWWQ13, LXB17, LSY+18, LY06, LJJW08, LDC16, LGLR14, MZX15, ME11b, NWHWD16, OMD+12, PA06, PGL+12, PTC10, RMR07, TO09a, TDR10, WZW+05, Wan08, WTW+08, Wan11, ZWC+15, WWW+19, WY+15, WXH+19, XC19, YR18, YRP19, YSZ04, YYS06, YL06, ZTP05, ZPS04, ZSC11, ZLL+15, ZWZD15, ZD+19, ZFAT11, ZTA12, ZZBW08].
Mesh-Driven [PGL+12]. Mesh-Free
[OMD+12]. Mesh-Guided [GSPJ08].
Meshes
[AGL06, AFRO50, ATL06, Bon98, CMRS03, CDM+04, CHM11, CCS12, GHJ+98, GWBO12, HHQH17, KTCG17, KWH19, LKTM13, MW99, MKW07, MEB+14, MCA+10, PR00a, PS12, PCG15, RSOW18, ROS99, SE18, SG05, SZ11, SCYW16, TCL+13, TNB11, THJ99, USM97, VPP04a, VP04b, VCP08, VS11, VCL+07, Wan06].
Meshing [BLW14, GCZL14, LLW15, MKW+08, PD04, YWW14]. Meshless [BNPB13a, GLB+06, PPL+10].

Meshsweeper [Gué01]. Mesostructures [MNC14]. Message [Ano13n, Ano13o, Ano14n, Ano14o, Ano15i, Ano15j, Ano15l, Ano15m, Ano16n, Ano16o, Ano16p, Ano16q, BSS18, BR18, CGGR18, CFK12, CLS13b, CKSB14, De 15d, DS16a, DS17b, De 18a, DS18b, De 19b, DLM+12, Ert07a, Ert10d, De 16a, Flo17, GGHZ19, IKLW14, Lin11d, Lin11c, Lin12e, Lin12a, Lin13e, Lin14d, MB19b, Mue19, vHMM+11].


Metamorphosis [BW01, LWC96, LH03, LL05]. Metaphor [AABS+14, KISE14, SGAS16, WBP07]. Metaphors [CVC+12, MF11, ZK08].

MetaTracts [BWW+17]. Meteorology [RBS+18]. Metering [YWW+19]. Method [AEM09, AW11, BBB18, BGB15, BTB10, CB15, Dru08, FY+17, FA15, IHH05, IDAK15, KOF08, LLL06, LLLF08, LSY+18, LCL+19, MWCE09, ORC07, RGK+13], Tay02, TSO8, VS11, WH09, WHK15, WLMK04, WMK13, XTY+11, XZC+19a, YSS+12, YLY+12, Zag96, ZC08, QJD+08].

Methodological [DBD18]. Methodology [AABW12, RHR16, SN05, SMM12, VJN+15].

Methods [AL06, AJDL08, AM+08, AHH+14, BS08, BNTM16, BN12, CA00, CQW+07, CMK15, CF10, CHM11, DLW+17, DSC+08, DLR09, EMISP+15, FCL09, GIMS18, HG01, KMLM16, LKJ+05, LH11, LXL+18, LD11b, SZB+09, SMB+06, SO17, TAE+11, TWHS05, VF13, WHZ+18, ZK12, HSKIH07]. Metric [CZN+11, GSZ+13, LJX+10, LMZ+14, MK13b, OJ12, PZLZ17, VCP08, WGS07a, WOO17, YYSZ06, CS18].

Metric-Dependent [VCP08]. Metric-Driven [LIX+10]. Metrically [PMT+19]. Metrics [DK10, GO15, GGL16, J09, MDHB+07, NHEM17, Vas16].


Microfacets [MBT+18]. Micrographs [DBTH07]. Micropolar [BKKW19].

Microscopy [BKA+11, BJA+19, HBJP12, MCS+08, dLV10, WOCH09].

Microseconds [LBS+16]. Microstructure [BZGV14]. Microvascular [GWE+19, MAK08]. Midair [HQS18].


Minimally [ES01]. Minimization [RB07, SSW18, WLT08]. Minimize [LT18].

Minimizing [OKSK16, YYSZ06]. Minimum [CXDR19, KMH11, VC17].

Mining [BISM14, GWP+16, Kei02, KS02, LLM19, LWC+19, MOC+14, VN19, dOL03]. MIP [EWWL08]. MIP-Map [EWWL08].

Mipmap [LKC09a]. Mirage [ZHF+07].


Missing [SS19]. Mitigating [DBBF19]. Mix [AW14]. Mixed [Bro07, CLB13, CGB+13, DHO8, GKR14, GJK15, HKR+08, JAM+14, JLS15, KOJC12, KHSB11, KTWW13, KL1+09, LL12, LRM+13, LBD09, LABS10, NQX+05, NW11, PLE+18, PWG17, RPAC17, WDC+18, XST+18, HWA15].

Mixed-Initiative [HKR+08, WDC+18].
Mixing [BJEYLW01, LBM+06]. Mixture [LZLS16, WCZ+17].
MLS [LG19]. Mo [XZC+19b]. MOBA [LXC+17]. Mobile [BBBM18, BMWW18, BLC19, BTJ+13, CPW+18, DH08, HBES11, HAGS16, KPR+15, KM16, KHSW17, LS07a, LHD18, LOD16, LSV+18, NJ16, OKI15, PKMR15, RBDG15, RJG17, SOS+17, VARS14, WRM+10, XLC+19a, XZC+19b, XLZ+19b, YC14, YLC+19].
MobileFusion [OK15]. Mobility [AAFW17, DSC+16, WXZ+16, ZFA+14, vLBR+16]. MobilityGraphs [vLBR+16]. MObjects [RGK+13]. Mobs [DGAB16].
Mock [VB18]. Mock-Up [VB18]. Modal [CK05b, GMD13, MDS16, SL18, WRHR19, DDR+19]. Modality [BG0J16, DH08].
Modality-Driven [BG0J16]. Mode [GP14, PH07, vDcW14]. Model [AB06, BMR+19, BLS+12, BAF+13, BMST97, BC12, BIRW19, CBL07, CZZ+19, CK05a, DPW+15, DK13, EASD+19, EFN12, FG99, FBL05, GHN13, GCL+15, GPR+01, GBP+13, Gu05, HLRG+12, HZL+19, HLY18, IZM18, JKM+07, JD13, JA18, JVD+19, KBP+13, KSI+96, KEJ19, KPI+03, KBVH17, KSD14, LKL+15, LKH+16, LKT13, MD12, MOF09, MOF10, MGJ+10, MD9+18, ME09, MM11, MWC+12, MTB17, MTB18, Mm09, MT01, NZ06, ORRL10, P’99, RKK16, RLA+13, SSS+14, SVAC12, SZD+10, SASS16, SJH+07, STPV12, SO17, SRKL19, SSL+12, TGH12, TL07, TLA+10, THV+14, TFH11, VSS08, WZW+05, WZC+11, WPS+16, WHM+14, XZF+19, YLY+12, YML+17, YLSSL11, YS17, ZPS04, ZWW+12, ZGW+19, ZWM+19, ZFSL19, ZT09, vWN04, vLBB16]. Model-Agnostic [ZWM+19].
Model-Based [BC12, CBL07, FBL05, RKK16, SO17, WZW+05, vLBB16].
Model-Driven [KSI+96, SSL+12]. Model-Guided [XFZ+19]. Modelers [GDJ+13]. Modeling [BTB+04, BGK11, CVC10, CLR13, CCB+18, DC+17, De10, DCK+02, DQ07, EASS+18, EHH+19, FWZQ13, FGBB09, FM04, GRS+95, GLX17, HWW18, HR96, HFG+12, HQ12, HQ04, KV03, KCA16, KPH+03, KB+14, KGIPS+13, KKM+09, LA11, LPS+13, LV12, LPQ+14, MQV00, MAST16, MM11, NMGK17, NDM+97, Ney98, NRS15, PDRK19, PK08, PW12, PDW+14, Qio09, RB+19, RNE+17, SPEB18, SKW+11, SMI14, Sza18, TMH+10, WLL+12, WXJD17, WFW+17, WX17, WBK+07, WTB+19, WZF+04, WTP+19, WKA+06, XYS+16, XSZ+17, XA09, XA10, YJL+15, ZZS10, ZLD+14]. Models [AG16b, AT16, ADDG12, ASE+16, BW04, BDK98, BW01, Bru17, CGD97, CO8, DvV+19, FBL+18, GJG+15, GNDV+18, GMD+17, HOT98, HC05, HKYM17, HG01, JK16, KAKC18, KTC+19, KL14a, KMT14, KSY14, KML96, LH03, LL05, LJWH08, LR11, LS10, LZZ16, LSC+18, LLL+19b, Max95a, MJK06, MGM14, MF11, MWN+19, MP13, NTO3, OBL17, PML97, R01b, RKL19, STB18, SF19, SGP+07, SGB+19, TLQ+08, TCM+09, TMB+17, USK12, Vas16, WRCB+07, Wh09, WQZ+18, WSL12, WSW+18, XES97, YFC+19, YSGM05, ZK07, ZWM+19, ZHC18, ZLDM16, ZJH07, ZST+07].
Modification [LSJ+15, MDS+18].
Modified [GHA+08, WZK12]. Modifying [AMA11, JAO+14].
Modular [AHSS14, D115, OTKS15]. Modulating [UBH19].
Modulation [MCM10, RLL+13, TIS16].
Modulator [H17].
Mohan [CRB+05].
Molecular [BPG12, BLG+16, CG07, DHR+19, GRVE07, GBM+12, GBG+14, HEG+17, KBE09, LBH11, PB13, SVGR16, TCM06, KFS+17].
MoleView [HTE11].
Moment [BHS+15, CRT04, SHM+07].
Monitor [TWG+95]. Monitor-Based [TWG+95]. Monitoring [LB18].
Monocular [HDBC15, VARS14, ZHQ+07]. **Monte** [HKL17, LSPW12, RH19, Sbe97]. **MOOC** [FZCQ17]. **Morph** [TC13]. **Morphable** [CLC+15]. **Morphing** [CE01, RM15, SLGM09, WLL+05]. **Morse** [CML+07, CMLZ08, CDS+12, GPNH07, GBHP08, GBP12, GKK+12, GGL+14b, GBP19, LLL+0, SMN12, Szi12, Szy13, SS13b].

**Mosaic** [HCP+16]. **Moseying** [AZL+19].

**Motifs** [MRSS+13]. **Motion** [AW03, BKW+13, BCR19, BT14, BWS+19, BB19, BSWL12, CK16, CLL+08, CLL12, CBL07, FX1G12, GXW+18a, GXW+18b, HOT98, HCMTH15, HZM13, JER16, KERC09, KCP10, LPG+18, LMD12, LZD13, LHC16, LY19, LL19, LGY12, LPLT11, LBS+16, LCT0, LSM03, LXY18, LJH+18, LKM+18, MCP+06, MK13a, PLW12, RK17, RFSP19, SKK+14, SKC+19, SYK+18, SLG+17, Szi12, SBE+15, TAL+07, WHK15, WLT+18b, WSTH07, XLC+18, XCZ+19b, YN03, YAE07, ZSH+11, ZZH19, FRG+19, XLZ+19a]. **Motion-Blur** [PLW12]. **Motion-Sensitive** [SZ11].

**Motion-to-Pose** [BWS+19].

**MotionExplorer** [BKW+13]. **MotionFlow** [JER16]. **MotionRugs** [BVC+19].

**Motivased** [JKM06]. **Mountains** [CCB+18]. **Mounted** [BSEN18, CDK+17, GIMS18, HIH+18, HRIS15, IK15, IDAK15, IA1K16, KBB+12, Kra16, LCR+16, LH16, LHC10, MIO+15, dJOB1517, OTKS15, PIN+15, PGI+17, QPNK18, SBK+11, WRHR19, XST+18, XLZ+19a, XLZ+19b, XCZ+19b]. **Mouse** [LIRC12, RRH+09].

**Movement** [ARH+15, AA11, AABW12, AAH+13, AAB+13, AAF17, BPS13, CYY+16, DNN+13, KTE15, RK+19, SMP17, SLJ+18b, ZMT+19].

**Movers** [AdLH13, LKD19, PZ07, ySKK07]. **Moves** [FRG+19, SSV18, ZWJZ12]. **MovExp** [PBO+14]. **Movie** [BJEYLW01, LLKN17]. **Moving** [KGS98, LG12, GM14, EMB+14, PLK12, SP96, WBD14, ZLY18]. **MPI** [GC+11, GPC+17]. **MPI-Hybrid** [CCG+11]. **MRML3D** [PUN11]. **MR** [LS13, MKT01, ZDL03]. **MR360** [RPAC17]. **MRI** [AS19, BPM+13, FJT07, KGP+13, KGG+12, MN07, STS07, STS10, vPBB+10, vPBB+11].

**MRTouch** [XST+18]. **Multi** [AP16, BHM19, BM06, BJ07, BB08, BL07, BM13, BW+08, CGL16, CWK+07, CCC+14, CL18, CP09]. **DVC107, DD14, EB15, FT07, GSS+17, GLG+13, HA06a, HG07, HBC12, HZM13, IWR+18, IZM18, KKP+17, KCK+19a, KLS+18, LLRR08, Lin16b, LPQF14, LD11a, LPP+16, LRF+11, MS18a, MS18b, MDS16, MS+18, ME11b, NSW+17, PSTW+17, PLS+14, PTMB09, PLE+18, PW18, PH18, PBK+12, PBC17, RLM10, SLGM09, SL18, SM14, SLS+17, SJH+07, SGAS16, SKH+19, TAK+05, TIK15, TS08, VB17, Wah14, W16, WLS17, WCC+18, WAG+12, WRHR19, WS06b, WXC+08, WSC+18, YML+17, YY+19, YBW+19, YXG+10, ZFL17, ZCL+19, ZWC+18, ZLC+19, WCH09, WBD14]. **Multi-** [HBC12]. **Multi-Attribute** [GLG+13, SGAS16, WCC+18]. **Multi-channel** [WCH09, WBD14]. **Multi-Character** [VBK17]. **Multi-Charts** [DD14]. **Multi-class** [CCB+14].

**Multi-Client** [SKH+19]. **Multi-Criteria** [HJM13, PSTW+17]. **Multi-D.O.F.** [TAK+05]. **Multi-Depth-Map** [AP16]. **Multi-Destination** [ZFL17].

**Multi-Dimensional** [WXC+08, ZWC+18, ZLC+19, LLR08, LPK+16]. **Multi-field** [LLR08, WSW16]. **Multi-Focus** [TS08]. **Multi-Focused** [BB19]. **Multi-GPU** [WAG+11]. **Multi-Granular** [GLG+17]. **Multi-Instance** [KCK+19a]. **Multi-Interaction** [YML+17].
Multisurface [CML+12]. Multitouch [CML+12, MCG12, SA19]. Multivalued [WKZL04]. Multivariate
[BDSW13, CvW18, CXM19, CvW11, EG09, GHGM06, GHA+08, GGA+11, GCML06, Guo09, GXY12, HDCALL18, HHG14, IML13, JFSK16, JBS08, KKSS13, KMM+13, LS09, LT18, LWCC18, LDA12, NSL19, NGCL19, PHJ+10, PV06, RML12, RASS17, RLA+19, SWVDW+11, SK16b, SSGM19, TIW+19, TSH+14, WFM+12, ZW18, vdEvW14, HSKH07]. Multiverse
[SW+13]. Multiview [CMF+18, LDX10, RHZN11, TCM+12, WLDW11].
Multiviewpoint [Sim07]. Multiview wavelength [LFH08]. Munin
[BFE15]. Mural [JS98]. Muscle
[AS11, CYZ+09, DCKY02, TSB+05]. Muscles [WGF08]. Museum
[HSC08, MLMF12, RGFL14]. Music
[CQM10, FXG12]. Music-Driven [FXG12]. Musicians
[JFS16]. Mutual
[BBS+18, TAK+05]. My
[BS+18, SS19, SHV+18]. MyBrush
[KPV+18]. Myocardial
[NJBS13b]. Nanocubes
[AABS+14, MAAB+18]. Nanosphere
[GKL+16]. Nanostructures
[MDS+18]. Nanotechnology
[QMK+06]. Narrative
[BMW17, FYF+18, HD11, IDR+13, RCW+18, SH10, WLB+14, WLF+19]. Narratives
[KBI+18, SBB+18]. Narrow
[AS11, LKH04]. Narrow-Band
[LKH04]. Narvis
[WL+19]. Nasal
[ZMH+09]. Native
[FYT19, STYC12]. Natural
[BPB14, BIPS12, FT+13, LCC+17, LLL+19b, MF11, NW15, NSN14, RJG+17, SBK+11, SLF+12, TFJ12, XZX+17, YN03, YON06]. Naturalness
[KOF08]. Naturalness-Preserving
[KOF08].
Navigable [WKW06]. Navigating
[CVC+12, CML+12, CLB+16, FWR00, JS98, SJS19, SPK+07, WS06a]. Navigation
[AGN+19, AN13, BFP14, BL07, BJNN98, BIPS12, CR06, EDF08, GSA+09, HD12, HMM00, HR11, IV11, KBG07, LSJ+15, LYY+16a, LOD16, PVdBC+11, PGI+17, SW12, SM06, SAC+08, TYSN06, TMM+13, WHA07, WP18, ZHLR14, vWN04, JSV+08]. ND
[CXM19]. Near
[ACR+19, Ane06b, BBG+18, DTT+17, LH16, LHH16, LSJ96, RWBF18, RBDG15, XGS+19]. Near-Eye
[ACR+19, DTT+17, RWBF18, XGS+19].
Near-Field
[BBG+18, LH16, LHH16, RBDG15]. Nearest
[CK10, XLN11]. Nebulae
[MKHD05, WAG+12]. Needle
[HJLH19]. Neighbor
[CK10]. Neighborhood
[DSF+14]. Nematic
[JKM06, MJK06, SPCJL06]. Nested
[Mun09, WLSSL17]. Nets
[CD14, ST09, vHWV09]. NETSPEAK
[RGP+12]. Network
[wAPS14, ABC+19, BRH+17, BF01, BE95, BBH+17, BKW03, CDK+17, GKL+13, HZM+16, KAKC18, KDMW16, LLB+12, MV06, MKN+07, MPWG12, MGP06, MJ09, NOB16, PGU+13, SNG+17, SFMB12, SHH11, SWW+15, SSG12, SA06, SPEB18, VMJC10, WLS+19, WPZ+16, YS+17, vdeEBvW14, vdEvW14, vdeEBvW16]. Networked
[DK11b]. Networks
[AHSS14, AH+17, BFP14, BG04, BSKR19, BJY+18, BN11, CGH+19, CMC12, DVP+18, DWWL12, FBL+18, GRS+19, GdBG12, GZ11, GWE+19, HSS11, HSCW13, HS11, HF06, HFM07, HBF08, HKYM17, JHG08, KCK+19b, LPP+06, LYL19, LZZ+19, LLHL14, LSL+17, MB19a, MK09, PS06, PHY+18, RFT17, RFLL18, SG09, SMER06, SS18, SGPR18, UMW+12, VRW13, WGSY19, WKW06, XLZ19c, YDG+16, YDC+14, ZEC08, DMS+08]. Neural
[BF01, BJY+18, BJH+09, JSS+19,
LFA+16, MCK12, MNKW07, NKH11, NLKH12, NKH14, SCT06, SBM+06, SK10, SW13, WXKP14, Zha14, ZG06. 

**Order-Independent** [Zha14]. **Ordered** [MB18b, WD08, WBDS11, Ros11]. **Ordering** [CMSW04, PFC18, ZWM13].

**Organic** [OM09, YHIJ+17]. **Organization** [AN13, vHR08]. **Organizational** [NJJ11, RESC16]. **Organizations** [Ano11g]. **Organized** [FWR00, NSW+17].

**Organizing** [NB12, SKB+18]. **Organs** [HHCL01, Sel15]. **Orientation** [AGN+19, JHBJ91, LS02, RSBB17, REB+16, ZQS11].

**Orientation-Enhanced** [REB+16]. **Orientation-Preserving** [ZQS11].

**Organizations** [Nie04]. **Oriented** [AMM+08, CS08, Kei00, RLA+13].

**origamic** [LLLN+14]. **Origanizing** [Tac10]. **Origin** [AAFW17, GZ14, YDJ+19, ZMT+19].

**Origin-Destination** [AAFW17, GZ14, YDJ+19, ZMT+19]. **Orko** [SS18]. **Orthogonal** [BW08a, BKH+11, KDMW16, YYY16].

**Orthographic** [LT13]. **Orthopedic** [LRF+11]. **Orthopedics** [DGBW09].

**OSPRay** [WJA+17]. **Other** [RCL+15, ZOC+13, JHGH08, LSC08]. **Our** [BSSB10, EDK10, RCL+15]. **Out-of-Core** [AGL06, HKC+12, LP02, LCDP13, USM97, YSMG05]. **Outcome** [KNKH19].

**Outcomes** [WG12]. **Outdoor** [APV+15, KGAM18, LBD13, LG12, SRK+11, VGKS12, WLT+18b]. **Outdoors** [BBBM18]. **Outflow** [WG12]. **Outlier** [NH06]. **Outlier-Preserving** [NH06].

**Outliers** [Wil18]. **Outline** [GUFM15].

**Outlines** [VGSMW15]. **Output** [DN12, FW08, HPC+13, KSDD14].

**Output-Coherent** [HPC+13]. **Output-Sensitive** [DN12, FW08].

**Over-Plotting** [DWA10]. **Overcoming** [MG13]. **Overdraw** [MG13].

**Overestimation** [HUPS14]. **Overlaid** [BCS11]. **Overlapped** [GPC+17].

**Overlapping** [AAMH13, SLF+12, VRW13]. **Overlay** [QWC+09, SFMB12]. **Overlayls** [KA12, MOC+14, SA19]. **Overview** [ADG11, BISM14, CMI09, Chr03, EF10, JF16, LMK07, LBS+19, NM13, TC09b, VGKS12, vdEvW14, DMS+08]. **Ovis** [HMS+14]. **Ownership** [SSS13, WGR+18].

**Oxides** [GBM+12].

**Page** [FPH19, vdCvW14]. **Pacific** [BHTY15, CCH14, DFO12, HKQ13, LST+16, NsvW11, HVY16]. **PacificVis** [BKL18, DW17, MSW19]. **Package** [IG19].

**Packet** [BBW+12]. **Packet-Ray** [BBW+12]. **Packing** [IYIK04, KW06, KXX+18, YLG+14]. **Page** [Ano12p, OAH14, Ano11i, Ano4j]. **Pages** [Ano08d]. **Paint** [Ger17]. **Painted** [YCLL08]. **Painter** [Ger17]. **Painterly** [CL06, OH12]. **Painting** [Ano14h, Bro07, DKKM13, DiV15, FYY+19, Ger17, KBD+11, KLYE13, KWL14, KISE14, LCC+17, WYWS04, YKL12]. **Paintings** [TDM+18]. **Pair** [ZCL+19]. **Paired** [GHIL15, HKF16]. **Pairs** [YHH+19].

**Pairwise** [BMLC19, LBW19, WAG06, YML+17, ZTZX13]. **Palettes** [PFC18, GLS17]. **Palpation** [UK12].

**Panning** [MOC+14, RN19]. **Panoramas** [BCR19, PHT+15]. **Panoramic** [RPAC17].

**PanoramicData** [ZZD14]. **Pants** [LGQ09].

**Paper** [Ano12], Ano13p, Ano14o, Ano16p, Ano16q, Ano16u, Ano17m, Ano18i, Ano19h, Ano19j, Ano19l, CKB14, IIS+17, MFS+09, PDRK19, ZCL09, LLLN+14, Ano30a, CFK12, CLS13b, DLM+12, vHMM+11].

**Paper-Based** [PDRK19].

**Paper-Reference** [ZCL09]. **PaperCraft3D** [PDRK19]. **Papers** [Ano16a, Ano17a, Ano18a, CR08, EDF08, WBDS11].

**Paradigm** [DVCD07, RLM10, SKBE17].

**Paradox** [AW14]. **ParaGlide** [BSM+13].

**Parallax** [BCR19, BC18a, LXRY18].
Parameterization

Pareto-Optimal [MLMP18], Pargnostics [DK10], Parity [JCWD14], Part [Hu16b, MBH+12, VB13], Part-Level [Hu16b], Partial [HQ12, TWSS16, Wan11].

Partially [KLC08], Participating [WH18, ZC03], Participation [Ano08c, Ano12e], Participatory [VWF09], Particle [BGB15, BC12, COJ15, CMK15, EGS03, GIK+07, GKM+15, GHS+19, HL02, HWM95, Har16, IWR+18, KL96, KKKW05, LSY+18, LLRR08, LTKF08, LCS08, MSW+08, MNKW07, MKW+08, NJB07, RGC+14, SYM14, SM17, SFBP09, STM08, WSTH07, YEII16, ZGH+18, ZD18, vPVwdW10].

Particle-Based [COJ15, GIK+07, GKM+15, NJB07, LSC08, MKW+08].

Particle-Particle [LSY+18].

Particle/Flow [STM08]. Particle/Volume [SYM14, SM17]. Particles [ATT12, GT14, KSSW09, MKW07, ySKK07, YS03].

Partition [CGL+17, LXR19, MP13, ZK14a].

Partition-Based [MP13, Partitioned [FWT+04], Partitioning [AT16, BSM+13, HW09, SN97, TDR10, WQZ+18]. Partners [JOR+19].

Partwise [WPZ+11]. Pass [ASDW14, BTHD11, MPT03, WX13].

Passengers [Chi16]. Passing [BRNB19].

Passive [HSR18, NMN+18, STH13, ZK17].

Past [LMW+17, NJ16]. Patch [GGZ+18, LSS+15, WWC+14, WHX+19, XLND11, ZWS+17]. Patch-Based [GGZ+18, LSS+15, XLND11, ZWS+17].

Patches [Gor02, HTF97]. Patent [KBGE11]. Patents [FHKM17]. Path [AMA11, BMWW18, HW095, HHCL01, HL09, KM16, SAC07, TWHS05, WBK+08, WG16, ZLB+05].

Path-Preserving [AMA11, HL09]. Pathline [COJ15].

Pathlines [MWSJ14]. Paths [AMA11, EDK10, LLBS17, LBH11, LWD+17, WOO17, WKW06]. Pathways [JYG+10, LLPK+13].

Patient [BSKR19, HHO+17, KGPS13].

Patient-Centered [HHO+17].

Patient-Specific [KGPS13]. Patients [LPK+16]. Pattern [HEWK03, IFM14, LLMB19, LXR19, VN19, WSW16, YNM15].

Pattern-Based [YNM15].

Pattern-Growth [VN19]. Patterns [AAFW17, ASW12, BSH+16, BW08a, BEJK12, CYW+16, FPH19, GHA+08, GZ11,
Perceptually-Based [ZWM13].
Perceptually-Driven [GH00].

**Performance**

[ADDG12, BAP+17, BBG+18, BBB+19, BC18a, BTB10, CTGH13, DK11b, GMS19, GGJ+18, HBT14, KGAM18, KLL12, KOK+19, LLB+12, MZC+16, PBO+14, RAL+17, SS MG13, TKAM06, WXY17, XXM19a, XMRC17, vdCv14, GSL14].

Performing [KKM+09]. Perfusion [ODH+07, POM+09, TBB+08].


Persistence-Based [RML12]. Persistent [CLM017, SJ06, WC09, WC10]. Person [TMM+13]. Personal [FPD17, HTA+15, JhR10, KPV+18, LLL+19a, TBHC16, VBC+16, WBA+14, ZGW+14]. Personality [Per95, SPW07, ZKM18, ZOC+13, UKW19].

Personalization [WGR+18]. Personalized [CTM+13, YWW+19]. Personified [TMM+13].

Perspective [BHST17, DHM13a, HCS+07, LS10, SH00a, SBK+11, WB08, WCA+17]. Perspectival [HNI3]. Persuading [KV08]. Persuasive [PMN+14]. Perturbation [CA00, LLL+19b]. Perturbation-Driven [LLL+19b]. Perturbations [CRB+05].

Pervasive [GLZ17]. PET [RHR+09].

PET/CT [RHR+09]. Petascale [HBJP12].

PETMiner [HEFR18]. Petrophysical [HEFR18]. Pets [JAM+14]. Phase [GPR+01, GLX17, KBE+18, PSN10, YYD+19, ZC06]. PhenoBlocks [GHC+16].

PhenoLines [GNDV+18]. Phenomena [CMK15, SBHW11, WLMK04].

Phenomenological [MM17]. PhenoStacks [GGC+17].

Phenotype [GGC+17, GNDV+18]. Phone [VARS14].

Phones [BLIC19, OK15, PKMR15, WRM+10].
GB08b, HB14, HLRC$^{+12}$, HRISI15, HDJ05, IIS14, JKM06, JHBJ9, KKSM19, KLL12, KMDZ10, LCR16, LAM10, LDSM17, LKC09a, LKC09b, LKR$^{+18}$, LKS13b, LDR00, LXT18, MB03, MLKS18, MT01, NQX$^{+05}$, OKI15, PSSC17, PD04, PMP10, PFW12, Per95, PKMR15, QYH$^{+18}$, RGF$^{+04}$, RJD$^{+07}$, RHJ$^{+16}$, RYL$^{+18}$, RKS111, RHDT$^{+06}$, RASS17, RBLW07, SS199, SLM18, SO$^{+17}$, SKP07, SN10, SVG16, SGJM18, SKH$^{+19}$, SAC$^{+08}$, SFR$^{+10}$, SHR$^{+11}$, SNE15, TCM06, TLC$^{+10}$, THV$^{+14}$, VMT06, WRM$^{+10}$, WTV$^{+10}$, WFW$^{+17}$, WOO17, WSE07, WXY17, WY19a, XESV97, XYS$^{+16}$, XZC$^{+19b}$, YML$^{+17}$, YS03, ZQS11, ZHX$^{+11}$, ZWW$^{+12}$, ZDM13, ZX18, dRBS$^{+12}$, vdZCT16, vFWTS08.

**Real-Time**
[AL11, BTB$^{+04}$, BTB10, BTH$^{+13}$, CMT$^{+18}$, CK05b, CB19, CORLS96, CMPC06, CDA99, EHH$^{+19}$, FS19, GSCI15, GMD13, GWBO12, GB08b, HB14, HLRC$^{+12}$, HRISI15, HDJ05, KKSM19, KLL12, KMDZ10, LCR16, LDSM17, LKC09a, LKC09b, LKR$^{+18}$, LKS13b, LXT18, MB03, MLKS18, NQX$^{+05}$, OKI15, PSSC17, PD04, PMP10, PKMR15, QYH$^{+18}$, RGF$^{+04}$, RHJ$^{+16}$, RYL$^{+18}$, RKS111, RHDT$^{+06}$, RASS17, RBLW07, SO$^{+17}$, SKP07, SN10, SVG16, SKH$^{+19}$, SAC$^{+08}$, SHR$^{+11}$, TLC$^{+10}$, THV$^{+14}$, VMT06, WRM$^{+10}$, WTV$^{+08}$, WFW$^{+17}$, WSE07, WXY17, WY19a, XESV97, YML$^{+17}$, ZQS11, ZHX$^{+11}$, ZWW$^{+12}$, ZDM13, ZX18, dRBS$^{+12}$, vdZCT16, XZC$^{+19b}$].

**Real-Walking** [PFW12].  **Real-World** [LAM10, SLM18, vFWTS08].  **Realism** [JDA$^{+11}$, KS09, KFN06, LRM$^{+13}$].

**Realistic** [CDR$^{+18}$, CLZ$^{+03}$, CORLS96, DDKA06, JWLI05, ZKMI8].

**Reality** [Ano12a, Ano14], Ano14d, Ano14e, Ano15c, Ano16d, AS11, BSB$^{+18}$, BCB15, BAI13, BBBM18, BDB$^{+16}$, BSE$^{+17}$, BZS$^{+13}$, BAP$^{+17}$, Bil13, BDH$^{+18}$, BLO$^{+05}$, BSWL12, BLRW05, BC18b, CDAF18, CLB13, CMPC06, CLS13a, CGB$^{+13}$, DS17a, DS18a, DJK$^{+06}$, DH08, DRHK07, EPS$^{+15}$, FBO17, Fuc13, GS08, GLM$^{+17}$, GKR14, GJK15, Ger17, GWP$^{+18}$, GLZR17, HK10, HBESB11, HH$^{+18}$, HSR18, HCP$^{+15}$, HBKS09, HAGS16, HJLH19, HF10, HF11, HV00, IHD$^{+18}$, ILMH12, JAM$^{+14}$, JLS15, KMS09, KJH$^{+18}$, KSY16, KSNY17, KOJC12, KBS13, KGAM18, KBB$^{+18}$, KKL11, KM10, KHSB11, KTWV13, KLD$^{+09}$, KLL12, KYT$^{+18}$, KOK$^{+19}$, KV98, LKS$^{+19}$, LH09, LRM$^{+13}$, LSCN09, LBS$^{+16}$, LvL12, LG12, LBDK09, LABS10, LDFZ14, MTM$^{+16}$, MNZ$^{+15}$, MUS16, MBZB12, Meh17, MK13c, MKT$^{+18}$, MNM$^{+18}$, NQX$^{+05}$, NJJ11, NTS11, NSS03].  **Reality** [NTT$^{+19}$, OIR$^{+17}$, OSB$^{+15}$, PLW12, PLE$^{+18}$, PTM$^{+18}$, PIS15, RBK$^{+15}$, RSBB17, RHJ$^{+16}$, RWBF18, RWF19, RPAC17, RBDG15, RJG17, RFSP19, Ros13, STB18, Sat13, Sch13, SH00a, Seq12, SYYC11, SvLF10, SSL08, SL11, SFL$^{+16}$, SBBH11, SRKL19, SB14, SJK$^{+07}$, SSW15, TMM$^{+13}$, TL11, TGW$^{+95}$, UKF$^{+18}$, VGKS12, VBV$^{+18}$, WRM$^{+10}$, WLW17, WRHR19, XST$^{+18}$, YC14, YFZ$^{+18}$, YON05, YON06, ZK17, ZHF$^{+19}$, ZHLR14, HWA15].

**Realizing** [BLO$^{+05}$].  **Realtime** [Dan16, HZL$^{+19}$, TWMZ19].  **Rear** [RLM10].

**Rearrangements** [ORRL10].  **Reasoning** [CCM12, EFN12, LS10, MDF12, OPH$^{+16}$, VH16, WM16].  **Reasons** [LXC$^{+17}$].

**Recalibration** [ANR$^{+18}$, KHSS14].  **Recall** [BBK$^{+16}$, HKKS18].  **Recalling** [SBB$^{+18}$].

**Recirculation** [WRT19].  **Recognition** [BBK$^{+16}$, HBESB11].  **Recoloring** [KOF08].

**Recombination** [FYF$^{+18}$].

**Recommendation** [HWZ$^{+19}$].

**Recommendations** [WMA$^{+16}$].

**Recomposition** [LWZ$^{+18}$].  **Reconciliation** [PDW$^{+14}$].  **Reconfigurable** [BSM06, LYY$^{+16a}$, LPG$^{+18}$].  **Reconstruct** [LLR18].  **Reconstructed** [RCW$^{+18}$].
Reconstructing [LGS12, SvdBLM11, WWB+13, WCB+12, YOS13].

Reconstruction [AGDJ10, APS+14, APW16, BF01, BMR+09, BMR01, BK12, BDR+03, CTT+16, Cs608, Cse10, Cse13, Dan16, ERL+13, EM06, EVM08, EDvW19, GCL+18, GXW+18a, GXW+18b, HDBC15, JR07, KSG+16, KEp08, Kim13, KKS19, KYY06, LjJY14, LZLS16, MY06, MKHD05, MES+11, MGM+14, MCS+08, OK15, PBL10, PY09, PKMR15, RZNS04, SCT06, SZN+18, SRKL19, SKH+19, SWF+16, SGM+11, WBK+08, WS09, Wan11, WWC+14, WCK+16, WXY17, WLDW11, XZM17, YYFX18, YHJ+17, YON05, ZG12, ZX18, ZGHI11, ZCFL15]. Recorder [MSM+11]. Records [KCK+19b, LB19]. Recovering [AFRS05, CC08, LSZ+18, Wan06]. Recovery [WHX+19]. Rectangle [IYIK04]. Rectangle-Packing [IYIK04]. Rectangular [KHA10, RNLO9].

Rectilinear [Mao96, MSHC99, SM06, SK06].


Reducing [HKB+19, Ros11, SCL08, vdEHBV16].

Reduction [AHR+11, ED06, ED07, JJO9, KCO4, QM08, RD05, SZS+17, SMT13, VT08, WWL11, WFC+18, WCR+18].

Reductions [DFW+19, SDMT16].

Redundancy [WGS+13]. Reeb [DN12, DN13, PSF09, TGSP09, TDN+12, TC17].


Reflectance [FBL05, LF97, TIS16, TLQ+08, TAL+07, WPG05]. Reflecting [TBHC16]. Reflection [IZM18, NSS14, PSM06, TIS16].

Reflections [CA00, HQ07, SMM12, WXK14, WDS07, WBD14]. Reflective [KTWW13]. Refinement [AMB+13, KBH+10, LCMH09, WGC+08, KST+14]. Refactoring [STYC12]. Refraction [MB18a, dRBS+12]. Refractions [HQ07]. Refractive [KTWW13, LSK+18, WH18]. Regard [RKS13]. Regarding [SNB+17].


RegressionExplorer [DvV+19]. Regular [GCT17, HAM11, MES+11, SSS06, vW14].


Reinventing [AAMG12]. Relates [ZOC+13]. Relation [CQC+08, NN1a, NN1b, YHW+07, GSL14].

Relation-Aware [CQC+08, NN1a, NN1b]. Relational [KGS+08, PLS+14, STH02]. Relations [BMLC19, BN11, CXTD19, CPC09, CdOKV09, Ho06, ZCCB13]. Relationship [LDM+18]. Relationships [BCH+13, CWK+07, CC07, GW11, LS09, LKP+13, LBT+18, MAK08, NR18, SW13, TWC+18].

Relative [MS16, ZLB+05]. Relativistic [MGW10]. Relativity [WBE+06].

Relaxation [LPQF14, YLSL11]. Relaxing
[RGE19]. Relevant [AAFG18, WLL+16].
RelEx [SFMB12]. Reliable [GLM06, HHCL01]. Relief [FYY+19, LWYM12, SRML09, SJM14, WTP+19, YHJ+17, ZZL+15]. Relighting [CBLD11, LDR00, WPC+13].
Relocalization [GSC15, KCH11]. Remapped [HSR18]. Remeshing [AGL06, HYB+17, LJX+10, VCP08, WYL+17, YBW14, YW16, YFC+19, WLMP19, YHJ+17, ZZL+15]. Remodeling [CAH+13]. Removal [JWS04, WWYP19]. Rendered [MDG00, PFK+08, WQ07]. Renderer [FSTG16, WMS98]. Renderers [YESK95]. Rendering [ABCO+03, Ano05d, Ano09b, BES12, BSS+13, BGT12, BLM96, BLL19, BMTD05, BHWB07, BTB10, BTHD11, CR08, CICS05, CL06, Chr03, CH03, CMSW04, CHM11, CS06, DH02, DDKA06, EMRY02, EHS13, EMP09, Elb95, EJR+14, EBR109, FM07, FM12b, FSW09, FAW10, GW06, GSM+07, GU00, GAMD10, Guo95, GGQP17, HR07a, HAAB+18, HCS+07, HHH+18, HWHK16, HQS18, HMGB01, HSR13a, HSR13b, HA04, HLY10, HMM14, HK09, HBC12, HQ07, HC05, HGH+10, IWR+18, IZM18, JG09, JYDF19, JW05, JM10, JKR12, KS03, KV03, KRW19, KKT18, KKS13, KWP01, KWH00, KKH02, KM16, KJL+12, KKPS08, KMLM16, Lac96, LA11, LRN96, LKC09a, LS13a, LDC96, LS07b, LRZM11, LSR+13, LY06, LR11, LHZ+04, LCPD13, LRLR18, LWP+06, LMT+03, LMC02, LLY06, LLPY07, MDM10, Max95a, MBT+18]. Rendering [MAWM11, MTS07, MPBM+18, MRT00, NK06, Ney98, NJ16, NvdVS00, NTS11, OWS15, PCY08, PLW12, PJ03, PAB+08, PH08, PSM06, QCH+14, RBG07, RE01a, RZHB+08, RPAC17, RE01b, RDB+12, SE17, SWB+00, SLM18, SBB+17, SF19, Sc15, SD11, SKMH14, SM97, SHC+09, SEH08, SLW+10, SHR+11, TK14, TLQ+08, TWBBM17, VF13, VBP+11, Vis15, WZQK04, WW07, WSY07, WTW+08, WK13, WX13, WXXK14, WH18, WLMP19, WBK+07, WDC+07, WKZL04, WP05, WMGE12, WIF+12, WC13, WLC15, WY19a, XESV97, XTY+11, YHJ+17, YLX+12, YCLL08, YL95, YSGM05, ZK06, ZM13, ZM13, Zha14, ZEC08, ZWM13, ZG06, Zhu05, ZBDS12, ZD18, dRBS+12, vRKEE17, DMAM19, LCM07]. Renderings [LB17]. Renderserver [PAB+08]. Reordering [SCL08]. Reorganization [LBGV13]. Reorientation [BL15, PFW09]. REP [RF11]. Repair [BDK98, HF11, NT03, PPM+11, ZJH07]. Repaired [CC08]. Reparameterization [LY+12]. Repeated [HJW99a, HJW99b, LPLT11]. Repetitive [XA10]. Replays [PKG12]. Replication [DJ18]. Replications [HKKS18]. Reports [BKM13, LTM18]. Repositioning [BL15]. Repositories [GCL+15, KLT+09]. Repository [PFG08]. Representation [AW03, CMPS97, CLB11, DVC18, GFG+05, GIS03, HF06, Hu16b, KLCK17, KHP07, KDA+09, LF97, LHI+12, LHFY12, LPLT11, LKT13, LXRY18, MZFM98, MB01, MUR95, NDS10, PB13, PBA10, SXM17, SG05, SLGM19, SP96, SCYW16, TVET14, WLS08, WD10, YSD+17, YS03, ZBB+13, ZKG07]. Representation-Independent [PBA10]. Representations [GK07, HHH16, HJC14, JV09, JEG12, JDL09, LZZ+19, MCK12, WJD17]. Representative [LBR+17, LPCRH19, TLHH12]. Representativity [PBPP11]. Representing [GHL15, LVRL06, PW13, RSFH14]. Reproducible [RB18]. Reproduction [CK16, IDAK15, LRP97, MK13c]. Request
[SSMG13]. Request-Flow [SSMG13].
Requirements
[GNPC+16, TGW+95, vLFR17]. Res
[ETO+10]. Resampling [CMF+18, Mao96].
Research
[BŠG+09, EGG+12, IIS+17, JF16, KLM+08, KBB+18, Nie96, SDW09, TM04, WOCH09].
Resetting [BHHM19]. Reshaping
[ZLDM16]. Residential [RB11]. Residue
[KT09]. Resistant [LW06, YPR17].
Resizing [DZL+14, WLLM13]. Resolution
[AL11, AJ19, CWK+07, CAN14, DMAM19, FYTL19, HKB+19, IWR+18, KGS+08, KHZR18, LMK07, LWW+07, PS12, PHF07, SSIF09, SKMH14, TLQ+08, WJo8, WLSL17, WPS+16, WDW16, YBZW14, vAPP+11, BPC+10]. Resolution-Dependent
[TLQ+08]. Resolutions [BLS17].
Resolving [FWT+04, Kra16]. Resource
[BL15, DDDB+19, MMT+14, MKN+07].
Resources [KSY14]. Respond [BZS+13].
Response [MZ+08, TWSM+11, WGR+18].
Responsive [Per95]. Restoration
[LWYM12]. Restoring [QPKN18].
Restricted [CVC+12, WLL+12, YBZW14].
Result [BM10]. Result-Driven [BM10].
ResultMaps [CDF09]. Results
[GNSP+14, HOG+12, NZ06, NB12, PHE+18].
RetainVis [KCK+19b]. Retargeting
[DKW+16, KPBL16, KEJK19, LLG17, LLY+13, PPZ+12, PMH18]. Retention
[CB15]. Retexturing [GSPJ08, MTB17].
Rethinking [DWS10]. Reticulum
[MQF06]. Retinal [FZC+07]. Retrieval
[ADP02, CLAL12, EHBA11, HKBE12, JSR+19, LLZ+16, LJJ+18, SGP+19, SSW18, TL07]. Retrieving [HK09]. Retro
[WCB+12]. Retro-Deformation
[WCB+12]. Reusable [HA18]. Reusing
[ZHF12]. Reveal [DW14, HRD+19].
Revealing
[AAFW17, ASW12, CC07, CPC09, GZ11]. Reverberation [AM13]. Reverse [SZK15].
Review [FIBK17, IIC+13, KBB+18].
Reviewer
[Ano05e, De 18b, Lin14c, Ano04b, Ano15n].
Reviewers [Ano00a, Ano01b, Ano03a, Ano06, Ano07, Ano08a, Ano09c, Ano10b, Ano11g, Ano11b, Ano12j, Ano12k, Ano12b, Ano13q, Ano13b, Ano15b, Ano15p, Ano16r, Ano16u, Ano17m, Ano17n, Ano17a, Ano17b, Ano18g, Ano19h, Ano19b, Ano19c, Ano19j, Ano19l, Ano13p, Ano14b, Ano14u, Ano18l].
Revisited [AS19, BB1+17, HSH04, PWIG18, SCT06, SGQ16]. Revisiting
[KBB+18, PDF14, SSD+08, WWS+18].
Revitalized [AMC10]. Revolution
[AG16a, AG17, Bai13]. Revolving
[SFB+12]. Reweighted [LYLG19].
Rewriting [NS03]. ReX [KSY14].
Reynolds [KWDG11]. RFID [WCQ+09].
RGB
[GSC15, IAS19, PZLZ17, PP09, Zho16].
RGB-D [GSC15, PZLZ17, Zho16]. RRGB
[LSWZ17, SKC+19, WXY17]. Rhetoric
[BB07, HMT10]. Riemannian
[LDC96]. Risk
[HD11]. Risky
[JOR+19]. RNA
[LBLH19]. Road
[BGC11, H06, HR96, HLL14, WSL12].
Road-Crossing [BGC+11]. Roadmaps
[SSA+09]. Roads [JRO+19]. Roaming
[CMCL06]. Robots [LPF+19]. Robust
[AZM12, CRT04, CL11, FYP10, GWE+19, GXW+18a, GXW+18b, HQ12, JCCD14, KHS+18, KCH11, KCO4, LHZ+07, LYL19]
LYY+16b, LDC16, NHYY18, PBPP11, RKZZ19, SSIF09, SPP+14, SH12, SZ12, WWZ+18, YRP19, YT02, ZTP05.

**Robustness**
[BEK10, LB03, SWC15, SBW+16].

**Robustness-Based** [SWC15].

**Rock** [AN01+4p, JFBB10].

**Road** [ZSQ11].

**Role** [BDH+18, GMD+17, GPK14, SK+16, YaKJS07, ZKM18, eKJG+12].

**Rolling** [BD1F16, EDF08].

**Room** [LLBS17].

**Room-Scale** [LLBS17].

**Ropes** [WRF+11].

**Rosenbrock** [CAP18].

**RoSy** [LXJ+10].

**Rotating** [CDL+16, RM17, TT05].

**Rotation** [FWK16, GST16, LH11, LG15, RSBB17, SHV+18, WP19, ZLK+18].

**Rotational** [CK05b, PZ11, ZBY14].

**RotoTexture** [FH06].

**Rough** [MBT+18, dRBS+12].

**Roughness** [UBH19].

**Round** [SHV+18].

**Route** [KCJ+10, QWC+09, SLQW17].

**Route-Zooming** [SLQW17].

**Routes** [DSSK08, TYSN06].

**Routing** [LMZ06].

**RSVP** [BDK98].

**RTcams** [HCS+07].

**Rubbing** [LWYM12].

**Rule** [FBL+18, NT99].

**Rule-Based** [FBL+18, NT99].

**RuleMatrix** [MBQ19].

**Rules** [CvW18, MBQ19].

**Run** [KWS+14, Lin16b, SJH+07, FSW09].

**Run-Time** [SJH+07].

**Running** [STS+14].

**Runs** [MGJ+10].

**Sampler** [VML97].

**Samples** [BT13, FHHJ08, LPCRH19, YCLL08].

**Sampling**
[AT05, AGY+17, AEM09, AFRS05, BMWM06, CSG+19, CDBR14, CYC+12, CCS12, DB+06, FYMY16, KSSW09, KHW+09, KBH13, LL04, LBR+17, LPG15, MY96, Max95b, MES+11, MWK+08, NHEM17, PBPP11, PRA+10, QLMM13, WMWL11, WSW16, WLLC15, WCA+17, WM19, YWW14, YHH+19, YXSH13].

**Samplings** [LYS+10].

**Sand** [ZLY18].

**SaNDVis** [PGU+13].

**Sanity** [CLKS19].

**Satellite** [LAP19, YXG+10].

**Satellite-based** [YXG+10].

**Save** [TKE16].

**SCA**
[BvdP12, BDC17, KS14a, KL14b, SK15].

**SCAAT** [HR11].

**Scagnostics** [MGJ+10].

**Scalability** [GBHP08, YN06, LKS+19].

**Scalable**
[ADG11, AAMG12, AAH+13, BSM06, BPL+19, BVB+11, DVC07, DK11b, EMP09, FSW09, FH07, GW06, GHGM06, GXY12, HJS+11, JBI+09, KHP07, KBGE11, LF06, LMC02, MHDH07, MCA+10, NSW+17, NR18, NHN07, PAB+08, RLM10, SCM+06, WLD+19, WLLC15, EYB16, YC14, YXM+15, YXG+10, ZK14a].

**Scalar**
[CLB11, GPBW01, GSS+19, GJR+14, GN+06, GNP07, HM10, LJHY14, PQMCR17, PMW13, RE01a, RKG+11, STS06, SWC+08, TN11, TN13, TN14, TP12, YL95].

**Scale**
[AvHK06, APS+14, BMA+19, BL07, BWT+11, CDBR19, CMK15, CLW18, CPG09, Dic14, DGW10, DB07, EDF11, EBB+15, FSW09, GFW14, GWB17, GCL+18, GDST16, GHS+19, HAAB+18, HDSC19, HAO6a, JH13, JST+10, JHH08, JSB13, KAKC18, KHS14, KKP+17, KSSW09, KLJ+09, KCK+19a, LLBS17, LFL07, LBL19, LZH+13, LXR19, LBS+19, MDS16, MDS+18, MLD+19, MGD09,}
MOC+14, NLS11, PFW12, PLE+18, PY09, RKSBI3, RKG+11, SXM17, SZY+18, SKH+19, TKE16, VW+H+07, WSLL12, YXM+15, ZMT+19, ZHL+09, LFH06, LWL+17, SMS14. Scale-Adaptive [MDS+18]. Scale-Free [JHGH08].

Scale-Space [KSSW09]. Scale-Varying [DB07]. Scaled [CWC+06, KCT+17]. Scales [CYG13, SSGM19]. Scaling [LMZ+14, LT18, ZKK02]. Scanning [KFS+19]. Scan [ARH10, RLNN11, YR95]. Scan-Based [RLNN11], Scan-Conversion [YR95]. Scanned [SGM18]. Scanning [PW17, RBK+15, TZZ+12, WG16, ZMM06]. Scans [BMR01, LSZ+18, RHR+09, VAB12]. Scattered [FHSW13, HOG+12, LT10, MG13, RGE19, WHZ+18]. Scatter/Gather [HOG+12]. ScatterBlogs2 [BTH+13]. Scattered [BF01, KH01, LWS96, LWS97]. Scattering [ASW13, AWB11, KKE17, NSS14, SI09, YG+09, ZW07]. Scatterplot [CCM13a, EF08, HKF16, KCP16, SW12, SMT13, VMCJ10]. Scatterplots [BW08b, BGR06, CCM+14, GCN13, LWCC18, MPO17, WCG+19]. Scenario [BC18b]. Scenarios [GHE19, LBI+12, TNT17]. Scene [APW16, FYF+18, FM04, LSJ+15, LXR18, MB01, NYH18, PDRK19, SS99, SG99, WLMP19, ZX18, ZHC18, ZM06, ZGM18, ZKG07].

Scenes [BGCS17, GN12, LBD13, LRP97, LWV+07, LDR00, MFZ+17, NK+15, Nry98, PZLZ17, SLM18, XA09, YYT16, LCM07]. Scenic [Hu16a]. Scent [PEB19]. Scented [WHA07]. Schedule [JHP+14]. Schedules [PGF16]. Scheduling [KLL+13, TK14]. Schematization [vGMSW15]. Scheme [BPL+19, Cse13, HPJ08, LH03, LY08, LY06, LDC16, PB13, RF11, VP04b, ZCO06, Zhu05]. SchemeLens [CLB+16]. Schemes [Cse08, LRN96, SFB09, TDJ14, TDJ15, ZTP05]. Schlieren [BPS+11]. Science [Ano12g, BSS18, BRS18, CGGR18, DJ18, Ert10c, GGHZ19, MW13, UM+12, vW11]. Scientific [AL06, AB01, BKW16, BW17, FHKM17, HE99, KAM+08, KMDH11, KH13, KCS+16, LDC96, LS16, MAR18, MGKH09, Nie95, NTT+19, OR98, OR99, OSBM14, RBGH14, Rob98, SKK+14, WJA+17, WBP07, WKZL04, YSI+10]. Scientist [DLW+17]. Scientists [GKL+13, Sciss]. Science [DCK+12]. Scissors [ZW+16, ZTA12]. SciVis [Ano19, Ano19]. Sclerosis [SGQ16]. Screams [BS11]. Screen [AJ17, CCL12, DK10, GQM+18, IW+18, MI13, TIS16]. ScreenSpace [DK10, IW+18]. Screenit [DSG+17]. Screens [BGR06, DSG+17]. Screentone [YHL+17]. ScreenX [LLKN17]. Scripting [PUN11]. Sculpting [CCB+18, GM05, HRD+19, WM13a]. Sculptures [STS+14]. SD [HRN+03]. Seamless [BMY05, FBP17, PGW18, TSO8]. Seamlessness [SLG10]. Seams [PST+15]. Search [BBH+17, BKW+13, CWT+08, CDF09, GNS+14, GMD+17, IDA+14, JWC05, KBGE11, KOB19, KOK+19, LRM+13, LCP+13, LDFZ14, NHB+17, NZ06, NB12, RSBB17, RHI9, RGP+12, SWL+14a, SCM+06, ZWH13, vHP09]. Search-Based [CWT+08]. Searching [SPP+14, WPS+09]. Seated [KKT18]. Second [GRT17, HHL97, HVS11, KH16, SK10, WKP14]. Second-Order [GRT17, HHL97, SK10, WKP14]. Section [AD12, Ano12g, BvdP12, BDC17, BHTY15, BGK11, BKL18, CCH14, CLS07, CW11, DFQ12, DW17, Ert10c, FBL07, GKR14, GJK15, GW13, GMG05, HK10, HYY16, HKQ13, HP04, HLM10, ILMH12, JLS15, KMN04, KRTvW06, KSI4a, KKL11, KHsB11, KPGL12, KL14b, LS06, LCS109, LST+16, LBK09, LBS010, MSW19, MH10, MW13, Mow03, MYM08, NSvW11, OA11, Ota17, PZ12, Pur09, Qin09, RvW05, SK16a, SK15, SGR06, SLS08, SL11, SW17, TL11, VW12, WLW17, WM05, WY19b, vWMT04, vW11]. Sectional
Sequence-to-Sequence [SGB+19].

Sequences [CvW18, DSP+17, HSF+06, LWD+17, MRT00, NTA+19, RC95, UDSL18, VBV16, VJC09, WMWL11, War09, WG12].

Sequential [BB12, HKL17, JER16, MLD07, TTS10, WBD14]. Serial [DBTH07].

Serial-sectioned [DBTH07]. Seriation [SZW+19]. Series [ASMP17, BAF+13, CSWP18, DAW13, GSY+17, GTPB19, HKF16, JME10, KLG+09, Kri09, KBB11, LS13a, LCZ+19, MNG10, MGP18, MMY97, SCL+12, SKU+12, SGAS16, SGM19, WBJ16, WHZ+18, XCH+14, ZC06].

Servoing [KS00a, KS00b, LTKF08, LWC06].

Shape-Driven [ZH07].

Shadow-Driven [GHGM06]. Service [ZYM+14].

Serving [CMPC06]. Set [ABCO+03, ARRC11, AR17, AJ19, BGB15, BW01, CDS+12, CPCR09, FMH08, HKC+12, KSS0a, KS0b, LTKF08, LCH+18, MRS+13, SMD14, TSB+05, WT10b, YEB16].

Set-Typed [FMH08]. Sets [AAMH13, BDD13, BFP08, BPMB08, CML+12, CPCR09, CJTM05, CPM14, GWBO12, GTLH01, HHG14, HPTN18, JvdLR13, KSH03, KRW19, KHD10, KKW01, KBH06, KG09, LKH04, L16, LGS+14, LY12, LS16, LKT13, M08, M05, MVN+19, PSK06, PSN10, PHJ+10, PFK+09, RSF114, RP12, SBSG06, WKL04, WMK13, YWH+07].

Seven [LBI+12]. Severe [PMwC05]. SGAze [HZL+19]. Shaded [Gor02, NWH06].

Shader [GHE19, PHF07, RKK16]. Shaders [VT08]. Shading [AD16, BHH04, BN12, JFZ+18, LD1M17, SMP11, STP12, Ste98, WEE03]. Shadow [MDL+19, OBS+15, SFC+07, WLMP19, ZH07]. Shadow-Driven [ZH07].

Shadows [ASDW14, BBBM18, IJK05, IIS14, JWS04, KS1A16, MDL+19, WRL16, ZC03]. Shaft [KKS17].

Shape [BH07, BBIA09, CVC10, CZZ+17b, CZZ+19, CL09, DVC18, Far12, FSHH12, FCSF17, FDC+18, GCO07, GIS03, GKY5, GGLQ19, HBEB11, HHZH17, HLD+08, HNR+06, HTZ+11, HKYM17, IFP97, JZLG09, KHSI04, LZZ+19, LL14, LFP07, LAB+11, LWZ+16, LWSZ17, LMS03, MGG18, ML19, NGK18, PSK06, PPM+11, Q09, SHM10, SFR96, SPK+07, SPL+13, SCOI05, SO17, TH13, TAL+07, VPB+11, WX17, WKB+13, YSZ04, YHMY08, ZHX+11, ZZZ+15, ZG+12, ZD18, ZTX13, ZHL+09, vLBB16, SKW+11].

Shape-Based [HNR+06]. Shape-Encoding [WKB+13]. Shape-Preserving [NGK18, ML19]. Shapes [ASvdP14, BES12, BSG18, CSPN11, HGW01, H01, JSG03, KW14, KBS13, LYY+16b, LGS12, MTB17, RVWT08, YOS13, vGRSW14].

Shaping [ZK08]. Shareable [RB18]. Shared [BSO+12, CMCL06, GBP19, NMB19].

Shared-Memory [GBP19]. Sharp [AFRS05, CC08, KY06, NDS10, WA06].

Sharpen [AFRS05]. Sharpening [DSP+17]. Sharpness [CC08]. Sharpness-Dependent [CC08]. Shear [GLH+14, Lac96, SVB+11].

Shear-Warp [Lac96]. Sheet [RHR16].

Sheets [ATT12]. Shell [ELF13, GLB+06, ZQS11]. Shelves [MSS14]. Shift [BSL+14, CL09, FYWY16].

Shifting [ZK17]. Shifty [ZK17].


SIGGRAPH/Eurographics [BvdP12, BDC17, K14a, KL14b, SK15]. Sigma [PBA10]. Signal [GS16].
ME09, MM08, NM13, OKB+19, PSG04, PSTW+17, PZ07, PBCR11, RBN+19, RKG+11, SFA+15, SHS11a, SNHS13, SHB+14, SKP07, STYC12, SPK+07, STH13, TH13, TWMZ19, TC17, TNS10, VB18, WSY07, WZK12, WM13a, WFG+19, Wen14, WFM+12, ZWZD15, ZHL+09, Ano96b.

Space-Based [LvWJH04], Space-Efficient [TNS10], Space-Frequency [BB12, Wen14, WFM+12, DSF+14, WFG+19], Space-Filling [HQ13], Spaced [LMG06, WLZM10, ZG12], Spaces [BFE15, BM10, DNL+06, DRRD12, FWR00, IWSK07, JE13, JS08, MB01, dJOBNM17, PDW+14, PCG15, RKG+18, SGJM18, SLF+12, VABW09, YS10, vWN04].

Span [Ano96b, LSJ96], SparkClouds [LRKC10], Sparse [BT13, CTT+16, DVC18, DdL14, GZL+14, HYZ+12, JvdLR13, KSH03, LBG+16, LK11, SMKH14, WYL+14, WSW16, WLT+18b, YYFX18].

Sparse-Sequence [YYFX18], SparseLeap [HAAB+18], Sparsely [CYW+16, CL11].

Sparsity [LYLG19], Spatia [BMLC19], Spatio-temporal [BMLC19], Spatial [AMJ+12, AN13, AA11, AAFW17, BJB+12, BIRW19, CJKTM05, FTES13, Guo09, HH+18, HSZ+11, IKS15, IHS17, JBS13, KBVH17, LCZ+19, LLL+10, MWCRO6, MMH+13, MBL+06, MK13c, N097, dJOBNM17, OSS+17, OPH+16, PBN+13, PLE+18, PIS15, RKS13, RSB17, RCW+18, SNM16, SR17, SJ06, Sim07, SPW02, TC13, VH16, VBV+18, WBK+08, WCD+19, YPI13, BDM+17, IPJT19, PSN06].

Spatial-Temporal [SPW02], Spatialization [TSW+07], Spatiotemporalizations [HBM+13, TSD09].

Spatially [LLL+12, NSW+17, SYYC11, WLHL13, WD08], Spatio [BZGV14, BAB+18, CHW+18, FPV+13, Lin16b, LXR19, SM17, SLQW17, TIS16, WG16, WDS07, WXW+19, vLBR+16, DMAM19].

Spatio-Angular [BZGV14], Spatio-Temporal [BAB+18, CHW+18, FPV+13, Lin16b, LXR19, SM17, SLQW17, TIS16, WG16, WXW+19, vLBR+16, WDSC07, DMAM19].

Spatioangular [RHZN11], Spatiotemporal [BMJK09, BTHD11, CLS+12, CLZ+18, KJW+18, KDA+09, LKS13b, MRH+10, MMT+14, MLKS18, NXSL13, SvdBML11, WMWL11, WLS+19].

Speaker [Ano13t, Ano13u, Bai13, Bla12, Cze12, Fra12, Kas12, Min13, Sat13, Seq12], Special [AD12, Ano12g, BDC17, BHTY15, BGK11, BKL18, BLRW05, CCH14, CLS07, CW11, DS17a, DS18a, DW17, Ert10c, FB10, GKR14, GJK15, GW13, GMM05, HK10, Hag98, HV16, HKQ13, HP04, HLM10, Joy02, JLS15, KMN04, KRTvW06, KS14a, KKL11, KHSB11, KPGL12, KL14b, LS06, LSCN09, LST+16, LBKD09, LABS10, MSW19, MH10, MY14, MW13, Moo03, MGW10, MYM08, NSvW11, OA11, Ota17, PZ12, Pur09, Qin09, RvWT05, SK16a, SK15, SGR06, SSL08, SL11, SW17, TL11, Var01, VW12, WLW17, WM05, WBE+06, WY19b, vWM04, vW11, BvdP12, DFQ12, ILMH12].

Specific [CCQ+14, KCS+16, KGPS13, RBGH14].

Specification [AHSS14, DV95, LBW19, Sel15, SPEB18].

Specifications [KWP01, SFMB12].

Specifying [SKL+14], SPECT [MSSD+08].

Spectral [ALMF19, BM12, BMWM06, NK06, NvdVS00, SK13], Spectral/ [NK06].

Spectrometry [EGG+12, RB18].

Spectrum [CM09, HHZH17, YNHB11].

Specular [CA00, WXKP14], Specularities [MTB17].

Specularity [MTB18, STB18].

Speculative [EASD+19, HF16], Speech [DNL+06, KP05, LMD12, MCP+06, MD12, PZ07], Speech-Synchronized [KP05].

Speed [FC95], Speeding [CMM+97].

Speeds [NSN14], SPH [IC+14, BK17, BKKW19, FAW10, LTFK08, PT17, YML+17].

Sphere [CL06, FS04].
Spheres [KGS98, KBKG07, Mal05].
Stippling [GSS+19]. Stitching [GTLH01, GYK+16]. STIX [SKL+14].
Stochastic [ESGL11, GHK+97, GHS+19, Mao96, MN07, ZPG19, vRKEE17]. Stone [LWYM12].
Stories [LKS13a, LWW+12]. Story [KHE09, KBI+18, SPW07]. Storyboards [PLC+11b]. StoryFlow [LWW+13].
Streamtube [SSGM19]. StreamStory [CCAL12, USM96]. Streamtubes [AS19, ZDL03].
Streamtube [CCAL12, USM96]. Streaming [CLZ19, FBW16, HM95, LS07b, LM06, MJL+13, NLS11, RS12, RT12, SS06a, SCKER08, Sun03, TMWS13, TWSS16, TEC+16, USM96, USM07, WLZM10, YWS12, ZWZ+13]. Streamlines [MWS114, MCHM10, PW13, Wen14, WS01].
Streamlining [SLA+09]. StreamMap [LBH18]. Streamribbon [USM96].
Stream [BSSB10, HBJP12, LYW+16, WSC+18]. StreamStory [SSGM19]. Streams [AS19, ZDL03]. Streamtube [CCAL12, USM96]. Streamtubes [WB08, ZDL03]. Street [NZS+17, ZSY+18].
Structure-Aware [BFTW09, BFTW10, KG09, USE13, WT10a, WTS+07]. Structure [BFW+10, KHS+18, KM06, TW18, TWW10].
Strategically [LLML13]. Stream [BFTW09, BFTW10, KG09, USE13, WT10a, WTS+07]. Stream [BFW+10, KHS+18, KM06, TW18, TWW10].
Streamable [LGLR14]. StreamExplorer [WCS+18]. Streamgraph [CSPW18].
Streaming [CLZ+18, HKC+12, LS07a, LWG05, LKH04, LBH18, LSV+18, SRHH16, SKH+19, THM15, VCL+07, ZK07].
Streamlining-Based [LS07a]. Streamline [CGC+11, CCK07, FBW16, HM95, LS07b, LM06, MJL+13, NLS11, RS12, RT12, SS06a, SCKER08, Sun03, TMWS13, TWSS16, TEC+16, USM96, USM07, WLZM10, YWS12, ZWZ+13]. Streamlines [MWS114, MCHM10, PW13, Wen14, WS01].
Streamlining [SLA+09]. StreamMap [LBH18]. Streamribbon [USM96].
Stream [BSSB10, HBJP12, LYW+16, WSC+18]. StreamStory [SSGM19]. Streams [AS19, ZDL03]. Streamtube [CCAL12, USM96]. Streamtubes [WB08, ZDL03]. Street [NZS+17, ZSY+18].
Structure-Aware [BFTW09, BFTW10, KG09, USE13, WT10a, WTS+07]. Structure [BFW+10, KHS+18, KM06, TW18, TWW10].
Streamable [LGLR14]. StreamExplorer [WCS+18]. Streamgraph [CSPW18].
Streamlining-Based [LS07a]. Streamline [CGC+11, CCK07, FBW16, HM95, LS07b, LM06, MJL+13, NLS11, RS12, RT12, SS06a, SCKER08, Sun03, TMWS13, TWSS16, TEC+16, USM96, USM07, WLZM10, YWS12, ZWZ+13]. Streamlines [MWS114, MCHM10, PW13, Wen14, WS01].
Streamlining [SLA+09]. StreamMap [LBH18]. Streamribbon [USM96].
Stream [BSSB10, HBJP12, LYW+16, WSC+18]. StreamStory [SSGM19]. Streams [AS19, ZDL03]. Streamtube [CCAL12, USM96]. Streamtubes [WB08, ZDL03]. Street [NZS+17, ZSY+18].
Surface-Based [BRT12]. Surfaces [AT05, ABCO+03, BH06, BHS12, BWF+10, BEHP04, BBK04, BS16, CGD97, CLCQ12, CFM+13, CRT04, CRH05, DPR00, DBTH07, FT13, FBTW10, GKT+08, Gor02, GR04, GTLH01, HB03, HDBC15, HGH+10, IFP97, IYS13, JSG03, KCOY03, KSS09, KTCG17, KMDZ10, KGJ09, KLS+18, LvWJH04, LVRL06, LLLF08, LTWH08, LBG08, LRZM11, LBZ11, LHZ04, MQV00, MGKH09, MS18b, MDG00, MWK08, MTB18, NWHWD16, NPPZ12, NHPN14, PZ11, PYW+16, PLC+11a, PPT+11, PMCS11, QMV98, RBN+19, RZH+08, RASS17, RSA+19, SM09, SM11, STS10, SN10, Stü98, Tac10, TW18, TP12, TC17, USE13, VAW+17, WWB+13, WTW+08, WSS09, WRT19, WB05, WDC08, WT10b, WK+17, YXSH13, YT02, ZT07, ZT+17, ZDW+05, ZK14b, ZGH11, vWC06, vFWS08].

Surfel [YYR17]. Surgery [BTB+04, CDA99, HCP+15, KOJC12, LRF+11, NWF+05, RGF+04, SSH14, SLK+17a, WZW+05, TGSP09]. Surgical [KSS09, KS+96, MTRP10, SLK+17a, STH13]. Surprise [CH17]. Surveillance [MI13]. Survey [BPNPB13b, BN12, CZ11, CAN14, COCSD03, DLR09, FHMK17, GIS18, Han1, HMM00, HKPC19, HQC+19, JBS06, KH13, LWC+19, MUS16, Mor13, POM+09, RBS+18, SHS11a, SS06b, SSG12, TCI+13, WHLS19, WBK+07, dOL03]. Surveyor [ADG11].


Symmetry [LJZ12, PZ11, TN11, TN13, TN14]. Symposium [AD12, BvdP12, BDC17, BHTY15, CW11, Ert10c, GKR14, GK15, GW13, HK10, HYY16, HKQ13, JLS15, KS14a, KHSB11, KL14b, LST+16, LBK09, LABS10, MH10, MY14, MFS+09, OA11, Ota17, PZ12, SK16a, SK15, SW17, TL11, VW12, WLW17, vW11, CCH14, DFQ12, NsvW11].

Synchronization [HBKS09, LLL06]. Synchronized [KP05]. Synchronous [BE09]. SynCoPation [RSR+16]. Synthesis [AS98, BJELY01, BB19, CDR+18, CTM+13, DNL+06, DK+16, FvdPT97, FXG12, FR13, FCSF17, GIS03, HCP+16, HLYM17, KCPS08, LPKK12, LHC16, LFP07, LBZ+11, LHZ+04, MVS09, MGKH09, MS18b, MDG00, MWK+08, MTB18, NWHWD16, NPPZ12, NHPN14, PZ11, PYW+16, PLC+11a, PPT+11, PMCS11, QMV98, RBN+19, RZH+08, RASS17, RSA+19, SM09, SM11, STS10, SN10, STü98, Tac10, TW18, TP12, TC17, USE13, VAW+17, WWB+13, WTW+08, WSS09, WRT19, WB05, WDC08, WT10b, WK+17, YXSH13, YT02, ZT07, ZT+17, ZDW+05, ZK14b, ZGH11, vWC06, vFWS08].
DNN13, EG09, FWL17, GPK14, GS06, GBCG+14, HKC+12, HBC12, MGS+14, MNK07, NHK08, NSS03, OWS15, PJ03, PSM12, FPK+08, RK17, SSMG13, SSG12, Sim07, SBHW11, SLW+10, TYSN06, YNYH06, YFZ+18, YON05, YON06, ZLK+18, vHvdWvW02, vPVvdW10.

T [Ano14f, KSY14]. T-ReX [KSY14].

**Table** [Ano10f, Ano11k, Ano12o, Ano13s, Ano14q, Ano15o, Ano16s, Ano16t, Ano19k, LRF+11, RBLW07, WLS+18, CLS13a, NTL19].

**Tables** [BLE19, NSF+18, XHL18]. **Tabletop** [EASB19, IFP+16]. **Task-Driven** [AG16b, LWC+19]. **Task-Based** [BLIC19, LFP07, SED19].

**Taxonomy** [wAPS14, ED07, ET08, KKC15, KOJC12, KCW13, MRSS+12, Rot13]. **Taxonomy-Based** [MRSS+12]. **Taylor** [MMMY97]. **Teaching** [BGM+17, KSI+96, RRJH18]. **Team** [SIL+18b, WXW+19]. **Teaming** [RCL+15]. **Teammates** [RCL+15]. **Technal** [Ano10d]. **Technical** [Ano11d, Ano12h, Ano13j, Ano13k, Ano13d, Ano13f, Ano14k, Ano14l, Ano14e, Ano14g, Ano14f, Ano16k, Ano16l, Ano16c, Ano16e, Bil13, Ebe17, Hee18, Sch13, Sil17a, Sil17b, Sil18a, Sil18b, Sil19, Ynn19].

**Technique** [ARRC11, Ano05d, BS95, BE06, CLB+16, CM08, HAB14, HH16, JS98, KMM+13, KK19, KSW06, MRSS+12, MRS+13, MIO+15, PNML08, SMDS14, SMT13, SKP07, SFR+10, TNS10, WWZ+18, WSM+09, WFM+12, YON05, ZLB+05, ZZZ+12, vWFTS08]. **Techniques** [AB01, BW03, BF01, BM07, BL07, BMY05, BPS+11, CFEC17, DDGL07, DRMM13, EF10, FWL17, JBS06, JCRS09, Kas12, KZL07, Kei00, KCWI13, MCG12, MJ09, NA19, NT03, PJ03, PFW09, RBS+18, SPCJL06, SM14, SOK18, SOK19, Template-Based [BLIC19, LPF07, SED19].

**TargetVue** [CSL+16]. **Task** [wAPS14, AG16b, BLIC19, DBP14, GHL18, GPC+17, GLB16, JA18, KKC15, LFT07, LCS+12, LWC+19, LDA12, RKS13, RBK+15, SED19, TKAM06, BPC+10].

**Task-Based** [BLIC19, LPF07, SED19]. **Task-Driven** [AG16b, LWC+19]. **Task-Overlapped** [GPC+17]. **Tasks** [BM13, CPG+15, ERLW18, FM06, FKS16, GJC+17, aKSI2, KPR+14, LTM18, LRM+13, LB17, MCG12, MKT+18, MLS18, NA19, OIR+17, PTM+18, RBS+18, RFSP19, SNHS13, VBV+18, WB+08]. **Target** [KK1+18]. **Taxi** [ADWK+17, FPV+13, HZM+16, IML+17].

**Taxonomy** [wAPS14, ED07, ET08, KKC15, KOJC12, KCW13, MRSS+12, Rot13].
DMAM19, DSP+17, FPV+13, FSE12, GJG+15, GBP07, GHA+08, GS14, GBFM16, GDKB17, HSCW13, HHB16, HSR13a, JFSK16, KKC15, KSS09, KW19, KPS16, KRRW19, LS09, Lin16b, LSS09, LXR19, LPK+16, LYK+12, MTL+13, SM17, SFP+19, SBE+15, SLQW17, SPW02, TIS16, TNT17, WPS+09, WG16, WG12, WS09, WXW+19, YGFX19, ZCD19, vLB+16, BMLC19, WDSC07.

**Temporally** [CRH05, MVN+19, WLHL13].

**Tennis** [PYHZ14, RBLW07, WLS+18].

**TenniVis** [PYHZ14].

**Tensor** [AWHS16, BRSP18, BRP19, CYZ+09, DGBW09, FA15, HLL97, HVSW11, JKM06, KWH00, KW06, PYW+16, PLC+11a, RBN+19, RKZZ19, RO06, SS08, STS10, SGM+11, TKW08, WL16, WKB+13, WXC+08, YRP18, ZDL03, ZHT07, ZYLL09, ZSL+16, ZPF05].

**TensorFlow** [WSW18].

**Tensors** [AS08, GRT17, OJ12, SK10].

**Terascale** [TRB+12].

**Term** [LD11b].

**Terrain** [BKRE19, BS16, CE01, CCB+18, GY02, KLJ+09, LP02, Ste98, WSD+13, WBP07, WCB+12, ZSTR07].

**Terrain-like** [BS16].

**Territorial** [vGMSW15].

**Tessellated** [SPM+13].

**Tessellation** [LSPW12, RIW+11, YW16].

**Test** [JCW14, KWP01, KYK11, LKK17, SVAC12].

**Testbed** [KMSB14].

**Testing** [WM19].

**Tests** [HFMSC12, WLS08].

**Tetrahedra** [SCT06].

**Tetrahedral** [BLW14, CDM+04, GW06, GH95, KL96, KTCG17, LHBF19, N399, THJ39, VCL+07, WFKH07, ZG06, ZCW19].

**Tetrahedralization** [Mal05].

**Text** [AMJ+12, BLE19, CSL+10, CLC+15, CG08, CLT+11, CLWW14, DFG+14, DYW+13, FPB17, FBM16, GUFM15, GBW17, HKEB12, KJW+14, LB19, LYW+16, LWC+19, LYK+12, PKL+18, SOK+16a, SOK+16b, SBBC19, XLZ+19a, XLZ+19b, YFZ+18, vHWV09].

**TextFlow** [CLT+11].

**Textile** [ZCF+19].

**Texton** [War09].

**Texts** [BW17].

**TextTile** [FPB17].

**Textural** [HLYL18].

**Texture** [BW08a, BJLEYLW01, BMR01, BBK07, CJR07, CR08, CDR+18, DT10, DWK+16, EWWL98, FST+14, GIS03, GO15, GKH5, HAT+00, HPC+13, HDJ05, IFF97, JWD+14, KSNY17, KHSI04, KBH13, LLPP19, LYY08, LHY+04, LJWF12, MZX15, PS12, RB07, SLW+10, WWYS04, WE03, WSE07, WDC08, YNBH11, YLY+12, ZDW+05, ZK02].

**Texture-Aware** [DWK+16].

**Texture-Based** [HPC+13, WEE03, WSE07, CJR07, CR08].

**Texture-Mapped** [PS12].

**Textured** [APS+14, IYS13, UBH19].

**Textureless** [SPP+14].

**Textures** [BS16, HE99, HHI14, JEH02, KXW+18, LA11, Ney98, QY07, Sel15, TDR+12, WWY14].

**Texturing** [BHW06, BH07, BMPB08, CDK04, DHM13b, FH06, KAK07, MNZ+15, RDB+12].

**Thamatrope** [SC15].

**Theatres** [LLKN17].

**Their** [HQ13, MSvG+11, OHJ+11, YLZ+13, BOZ+14, BLG+16, FNM13, PPF+11].

**Thematic** [CH17, HHWN02, VJN+15].

**Theme** [Nie95, Nie96].

**ThemeDelta** [GJG+15].

**ThemeRiver** [HHWN02].

**Theoretic** [CGJM19, XLS10, CJ10].

**Theoretical** [BTS+18, CFEC17, LNS08].

**Theory** [BEJ12, DPW+15, Kei00, LTT04, MY96, NMBM19, JSL+18a, STS10, ZHR11, TTR10, VFR13, ZWJZ12].

**Therapy** [MMB+19, ZZSS10].

**There** [WWZ+18].

**Thermal** [KJH+18, SGAS16].

**ThermalPlot** [SGAS16].

**Thermo** [IAS19].

**Thermo-Visual** [IAS19].

**Thermoforming** [ZTTZ17].

**Thickness** [GLH+14, LGV+16].

**Thin** [ELF13, GLB+06, GQGP17, HN+06, SH12, VAW+17, WKZL04, YNYH06, ZQS11].

**Thin-Shell** [GLB+06, QZS11].

**Thinker** [KLFK19].

**Thinking** [WCR+11].

**Thinning** [IYK01].

**Third** [Kas12].

**Thomas** [EDK10].

**Those** [RJD+07].

**Thousands** [WLMP19].
Thread [MMYK06, WKZL04]. Thread-like [MMYK06]. Threading [PTMB09]. Threat [PDBG18]. Threats [MKN+07]. Thread [ADP02, BSL+14, CCAL12, EHS13, FZC+07, GNP+06, GNPH07, HEWK03, HNR+06, HRD+19, MBS+04, NE04, RSFH14, SLB04].

Three-Dimensional [ADP02, BSL+14, CCAL12, EHS13, GNP+06, HEWK03, HNR+06, MBS+04, NE04, SLB04, FZC+07, GNPH07].

Threshold [SHV+18, TWBBM17, WTB+19]. Thresholds [SBJ+10, WP19, ZLK+18].

Thumbnail [WSYM17]. Thumbnails [YDK+18]. Thumbsticks [YFZ+18]. Tightly [BJM07]. Tick [TLH10]. Tight [KZW+16].

Tight-Fitting [KZW+16]. Tile [HDJ05, NC07]. Tile-based [NC07].

Tileable [LPF+07]. Tiled [BI12, ETO+10, LSJ+15, NHN07, RLM10, SN11, tCMR07, ETO+10]. Tiles [HCP+16].

Tiling [LLF08]. Time [AL11, AMM+08, Ano14h, ASMP17, BSH+16, BGT12, BRT12, BTB+04, BGM+07, BGM+08, BLLS17, BAF+13, BTB10, BTH+13, BLIC19, BJ+19, CLS+12, CKW+12, CMF+18, CLC+15, CK05b, CB19, CORLS96, CMPC06, CDA99, CSWP18, CMP14, DAW13, DS16b, EHH+19, FWSL12, FKRW17, FSHH12, FS19, GKT+08, GSS+15, GSC15, GMD13, GSL+17, GTPB19, GAB08, GJSD04, GWBO12, GB08b, GW11, GWP+16, GPPPS13, GT17, GHP+16, HMTR19, HKF16, Har16, HE06, HB14, HLRC12, HRISI15, HDJ05, IBJ+14, JEG12, JME10, JS06, JY17, KRHH11, KL96, KLK+09, Kin10, KC14, KKS19, KLL12, KMDZ10, KJG09, KGG+12, KDA+09, KBK11, KG06, LBG+16, LCR16, LDSM17, LS02, LKC09a, LKC09b, LS09, LKR+18, LCZ+19, LKS13b, LXT18, LMC02, MB03, MGP18, MLK18, MLD+19, MTO1, NSW+17, NQX+05, NSH+18, OBJ16, OKI15, PSSC17, PD04, PMP10].

Time [PSR17, Per95, PKMR15, QYH+18, RGF+04, RHJ+16, RS12, RYL+18, RKSH11, RLA+13, RHD+06, RASS17, RBLW07, SVB+11, SBS16, SOS+17, SK16b, SKP07, SK98, SCL+12, SVK+18, SN10, SKU+12, SJH+07, SVGR16, SB06, SGAS16, SSM19, SKH+19, SAC+08, SSR+07, SHR+11, SH00b, TIW+19, TCM06, TWHS05, TWBBM17, TLC+10, THV+14, USE13, VMT06, WRM+10, WFKH07, WBJ16, WYM08, WTW+08, WCO9, WC10, WFW+17, WHZ+18, WCJ06, WSE07, WXY17, WS06b, WS09, WY19a, XESV97, XCH+14, YML+17, YLK12, ZQS11, ZHX+11, ZWW+12, ZDM13, ZX18, ZCPB11, cKJG+12, dRBS+12, vdZCT16, CJR07, FSME14, GCML06, KBD+11, KW13, SFA+15, WSY07, XCP+19b].

Time-Dependent [GKT+08, HMTR19, KRHH11, KL96, KGG+12, SBV+11, TWHS05, USE13].


Time-Octree [WC09, WC10].

Time-Oriented [AMM+08, RLA+13].

Time-Series [GS+17, KLM+09, KBK11, SGAS16, WBJ16, XCH+14, ZCPB11].

Time-Varying [Ano14h, BRT12, BLLS17, CKW+12, CLC+15, CMP14, FWSL12, GAB08, GJSD04, GW11, GWP+16, Har16, HE06, JEG12, JS06, JY17, KG06, LCO19, OMJ16, PSR17, SK16b, SK98, SB06, SSR+07, SH00b, TIW+19, WFKH07, WYM08, WC09, WC10, WCJ06, WY19a, XESV97, XCH+14, YML+17, YLK12, ZQS11, ZHX+11, ZWW+12, ZDM13, ZX18, ZCPB11, cKJG+12, dRBS+12, vdZCT16, CJR07, FSME14, GCML06, KBD+11, KW13, SFA+15, WSY07, XCP+19b].

TimeBench [RLA+13]. Timeline [LZW+13]. TimeLineCurator [FBM16].

Timelines [BLB+17, FBM16]. TimeNotes [WBJ16]. Timepoint [BBP08]. Times [CDW+16]. TimeSeer [DAW13].

TimeSpan [LPK+16]. Tissue [HCP+15, SWB+00, SAM+07, TYL+18].

Tissues [CDA99]. Title [Ano12p, Ano11i, Ano14j]. TOD [GPC+17].
[BRNB19, ZCJH12]. Tokens [HJC14].

Toleranced [Gu99]. Tomography
[AAH+11, WAG+12]. Tone
[BKA+11, FYWY16, LRP07, SJB10].

Tone-Mapped [FYWY16]. Tone-Mapping
[BKA+11]. Tongue [YGV+13]. Tool
[BISM14, CXM19, CRJ06, CGB+13, FPB17, HEFR18, IDA+14, KGS+08, LLL+19b, MLMF12, MHD+18, MAAB+18, NHYY18, PBO+14, SZD+10, SD12, SKW+11, SGR18, SGB+19, UKF+18, YTY+16, WOCH09].

Tool-Hand [CGB+13]. Toolkit
[BDK98, BH09, CPW+15, HA17, SLC+19, TFL+18, MTRP10]. Tools
[BCB10, BDFM17, BYB+13, FH06, HKBR+14, NJ99, RBS+18, SP06, SH12].

Tooth [XLZ19c]. Top
[LS01, LFR03, SOR+09]. Top-Down
[LFR03, LS10]. Topic
[AG16b, CLRP13, DYW+13, EASS+18, EASD+19, GJG+15, GNDV+18, KKP+17, LWLM18, SWL+14b, XWW+13, ZGW+19].

TopicLens [KKP+17]. TopicPanorama
[WLL+16]. Topics
[CLT+11, CLWW14, WLL+16]. TopKube
[MLKS18]. TopoAngler [BDSS18].

Topographic [CDM+06]. TopoLayout
[AMA07]. Topological
[AMA07, AJ19, BEHP04, CLB11, DFD+14, DCR+12, GKN05, GJR+14, GNP+06, KCA16, MBS+04, OHWS13, RML12, RFLL18, SJJ+17, STS07, SDHH12, SPCJL06, TL07, TWH05, TP12, TKW08, TGS11, UMW+12, WBP07, ZPP05].

Topologically [FA15, GDN+07, SS13b].

Topologically-Informed [FA15].

Topologies [RE14]. Topology
[AHK+17, BDSS18, BDD+16, BWT+11, CL11, ESV08, ENS+12, HHVW96, HLL97, LTT04, LBG+08, LJWH08, LRF03, MLCM16, MKW07, OHJ+11, PBC17, RLH11, RKZ21, SKMR98, SPN+16, SB06, TN11, USE13, WXJD17, WDC+07, WJE01, WLZM10, WDW16, ZC06, ZJH07, TFL+18].

Topology-Aware [WLZM10].

Topology-Based [BDSS18, BWT+11].

Topology-Controlled [WDC+07].

Topology-Preserving
[BDD+16, WXJD17, WJE01]. TORNADO
[TT05]. Toroidal [SCT+10]. Torso
[SMTT+17]. Total [ZWZD15]. Touch
[EASB19, LODI16, LRF+11, WLJ+12, XST+18, YSI+10, ZDD14]. Tourism
[NM13]. Tourism-Inspired [NM13].

Tourment [TSLR07].

Tournament-Style [TSLR07]. TPFlow
[LXR19]. Traced [WHL16]. Traceless
[JKM06]. Traceroutes [CDDS18]. Traces
[AAM+12, IBJ+14]. Tracing
[BWW+12, CLS+12, CLT+08, COJ15, GWE+19, GHS+19, HR01, KIL96, MAST16, MYM16, MGW10, NKP+15, NO97, NK06, PPL+99, QCH+14, SYK+18, SN10, SK00, Stii98, TCM+12, UKF+18, WFM+05, WFKH07, WJA+17, WWW+19, WSC+95, ZGH+18, ZCM07].

Track
[DNN13, NTT+19, OKB+19]. Trackballs
[HS04]. Tracked [HWHK16, OIR+17].

Tracker [KDX+12]. Tracking
[AABH+16, AJ17, BDF16, BWS+19, BVPtHR09, BWP+10, BC12, BKH+11, CDF14, CMN13, CMPC06, DO08, DS16b, GHE19, GL17, GPP+16, GXW+18a, GXW+18b, GLB16, IDA+14, JER16, JA18, KW13, KHH+16, KHSW17, LHH09, LKC09b, LG12, LWW+13, MWC+12, MVN+19, NBW14, OKI15, PLW11, PLW12, PSR17, PKMR15, RKS13, RKK16, SGQ16, SYM14, SP+14, SW97, TNN17, THV+14, VMN+19, WRN+10, Wu16, YMC15, YYD+19, CJR07].

Tracks [LPRH19]. Tract
[EBB+15].

Tractography [PKF07]. Tracts
[JD09, MSA+06]. Trade
[HKB+19, RPH08, WLS+19]. Trade-off
[HKB+19]. Traditional
[BKH+11, CB15, CH16]. Traffic
[AAG18, CDR+18, LLB+12, MV06, MKN+07, SHVV16, SvdBLM11, WZvdW13, WZvdW13].
WYL+14, WSLL12. Trail
[HEF+14, HPNT18]. Trainable [OK11].
Training
[AGN+19, BBG+18, BC18b, CPG+15, DRHK07, FTES13, GS16, HKBE12, JPD+18, LLQ+17, LSC+18, MTRP10, MLS18, RBK+15, RSBB17, SSH14, SB14].
Traits [FDC+18, UKW19]. Trajectories
[ADWK+17, AAFG18, COMP13, DHR+19, HTC09, HRD+19, JM10, LWL+17, NBW14, SWvdW+11, VJN+15].
Trajectory-Based [SYM14].
Trajectory-Preserving [LLL06].
TrajGraph [HZM06]. Trajectory-Preserving [LLL06].
[SYM14]. Trajectory-Based [SYM14].
TranGraph [LLL06]. Trajectory-Preserving [LLL06].
Trajectory-Based [SYM14].
Trajectory-Preserving [LLL06].
TrajGraph [HZM06]. Transaction
[KHDL07, LS09]. Transactions
[Ano14c, Ano14j, Ano15a, Ano16f, Ano16a, Ano17e, Ano18a, Ano19a, Ano19f, KHE09, XCH+14]. TransCAIP [TKTN09].
Transcatheter [BSR+14]. TransCut
[LSR+13].
[ACTM12, ADDG12, CR08, CPG+15, CM08, CM11, EMRY02, KKH02, LWS+17, LLL+12, LLY06, ME18, MWCE09, MJW+13, MLS18, NHPN14, RSBB17, SKK06, SG09, Sei15, SHR+11, WZK12, WQ07, XFJ+08, ZGF+18, ZT09].
Transferring [PZ07]. Transfers [KHSS14].
Transfinite [SFA+15]. Transform [FM07, HCMT015, LS13b, SP096, SCYW16, ES05].
Transformation
[AAB+13, FE17, HLCB18, LCP+13, LYL19, LDW+15, PSK06, WZ08].
Transformations
[DSS+09, LL05, MPK+13, YHY08].
Transforming [DW14, WSLL12].
Transforms [GLGLQ19, SK00].
TransGraph [GW11], Transition
[AW03, GW11, MS18a, PV06, vHvdWvW02].
Transitional [JCG08]. Transitions
[BFP14, BBG+09, CDF14, HR07b, WASQ18].
Transitive [KL03]. Translating [NW15].
Translation [ZLK+18]. Translucent
[KSTE06, LSR+13, NSS14, WLLC15]. Transmission [OHH06, YS03].
Transmissive [IHS17]. Transonic
[CDL+16, DCH+17]. Transparency
[BCS11, BS11, CFM+13, CWM+09a, ESSL11, HC05, MM17, SC15, Zha14].
Transparent [DK13, GQGP17, IPP97].
Transparency [YHMY08]. Transmittable
[OK11].
Transitive [KL03].
Translation [ZLK+18]. Translucent
[KSTE06, LSR+13, NSS14, WLLC15].
Triangulation [FHSW13, GCT17, MS18b, QCT13, YSS+12].
Triangulation-Invariant [YSS+12].
Triangulations [BG04, BEHP04, GH95, WDC08].
Triangulation
[FHSW13, GCT17, MS18b, QCT13, YSS+12].
Triangulation-Invariant [YSS+12].
Triangulations [HB03].
Tricubic [KCOY03].
Trilinear [AS98, CM10, HTF97].
Trimm [Str98].
TripAdvisor [NM13].
Triplet [BRH10].
Trivariate [RE01a, WLDW11].
Tropical [LPCRH19].
Trunc [LBH14, MS18a, ZCD19].
Typed [FMH08].
Types [BC18b, RESC16].
Typographic [AMJ+12].
Typology [BM13, ERLW18].
Ubiquitous [BFE15, BMR+19].
Ugly [BTS+18].
Ultra [FBT16, KWDG11, YDG+16].
Ultra-Compact [YDG+16].
Ultrasound [PH07].
Unambiguous [BRH+17].
Unaugmented [LBHW18].
Unbiased [YWW14].
Uncalibrated [SM09, WLDW11].
Uncertain [AJ19, FKLT10, GHP+16, GHS+19, LCP+13, LPRCH19, PMW13, SE17, SNG+17].
Uncertainty [A13, ASE16, BBIF12, CZC+15, FBW16, GSWD18, GBP+13, GR04, GBFM16, GHL15, HLNW11, HHKS18, HQC+19, LFLH07, LZ+16, LBR+17, LLHP07, MRO+12, PH11, PRH10, RWG+12, SHM10, SSK+16, SZ+09, SDW11, SPB08, TK14, TVET14, WMK13, WPL96, WYM12].
Uncertainty-Aware [CZC+15, LLZ+16, PRH10].
Uncluttered [WJR+13].
Uncluttering [FT09].
Unconstrained [THV+14].
Uncover [GDG12].
Underestimation [HUPS14].
Underexposed [ZNZX16].
Understand [GGZL16, LLB+12, LWD+17, WGYS18, WGSY19].
Understanding [AAB+13, BCH+13, BZS+13, CLT+11, DSC+08, FLF+11, GWP+16, HDR+13, KTC+19, LBG+06, LXC+17, LDM+18, LBE+14, LODH16, MRH+10, MGJ+10, MQB19, NXW+16, NTA+19, UDSL18, VRF13, WLJ+12, WKB+07, WWS+16, YaKJS07, ZLC+19].
Unfamiliar [LKH+16].
Unicube [HKL+11].
Unified [CM16, DVC07, GLX17, KYK11, MFS+09, RDB+12, SH95, TMWS13, WWS+18, ZFS19].
NWI17, NSW+17, Ney98, NW10, NHN07, NT03, OHJ+11, OK11, PBN+13, PPT+11, PKL+18, PvdBC+11, PPZ+12, PW13, PGU12, QCT13, RNL09, RBK+19, RS12, RwWT08, Rnk+15, RML12, Rob08, RHR16, RRJH18, RNE+17, RL08, SCT06, SLGM09, SM09, SMO+13, SE18, SSIF09, SG09.

Using [SBGG06, SW13, SXX+19, SLG+17, SR00, SLMA06, SRKL19, SB14, SGAS16, STH03, SRMO11, SC15, SAC+08, SRML09, TKT09, TCYM09, TII+19, TTR10, TN13, TWMI19, TEL+12, TWSM+11, TrD12, TLC+10, VP09, VFR13, VJC09, WFM+05, WDC+18, WLL+05, WGS07a, WL08, WC09, WC10, WCZ+11, WFS+16, WLHD17, WJC06, Wn14, WBH04, WJR+13, WHM14, WM19, XNT11, XF04, XA10, XYGL13, XLC+18, XLZ+19a, XLZ19c, YHMY08, YBZW14, YKL+08, YSD+17, YWV+19, YCLJ12, YL511, YCL08, YLG+14, YFZ+18, YON06, YCHZ12, YGFX19, ZMG+10, ZC03, ZDL03, ZPS04, ZK07, ZCL08, ZCC11, ZHX+11, ZDM13, ZGW+14, ZK14a, ZWZD15, ZFS19, ZDZ18, ZGI+18, ZC06, ZJIH07, ZT09, ZKK02, ZWBH13, ZHG011, vPVvdW10, vRKEE17, AMB+13, BMJK09, BL15, DMS+08, EDF09, GHA+08, HKG07, HBF08, HHG14, IBJ+14, JR07, JKYR12, JQD+08, KTC+19, KG+13, LCM07, LYL19, LPK+13, LPRH19, LW+06].

using [MSE+06, MGB+19, NBM19, NTT+19, RBN+19, SHM10, SJ06, SFL+16, TS07, UBBH19, XLZ+19b, YEB16, YLC+19, ZSG+13, vPBB+10].

[TA+19].

Utero [MKM+17].

Utility [WCC+18, ZYM+14].

Utility-Aware [WCC+18].

Utilizing [HFMI16, ME09, NO97].

UTOPIAN [CLRP13].

VA [BJK+16].

VAET [XCH+14].

VAICO [SGB13].

VAiRoma [CDW+16].

Validating [MP13].

Validation [JPD+18, LBS13, Mun09, USKD12, YDC+14, ZBG+17].

Validations [MF11, QH18].

Value [OMD+12].

Value [GCN13, KHD107, WAM+19, YHW+07].

Value-Cell [KHD107].

Value-Driven [WAM+19].

Value [GK95, GPP+16].

Values [Zag96].

Valve [BSR+14].

Variability [AGS19, FFST19, FBW16, HSSK16, JMS09, KBL19, PMW13].

Variable [BBIF12, FC95, GABJ07, JH16, MCP+06].

Variable-Speed [FC95].

Variables [AT16, BH12, GST16, GHL15].

Variance [BGOJ16].

Variant [CDW+16].

Variance [FC95].

Variable-Sped [FNM13].

Validation [QFM+18, HZH17, ZWZD15].

Variational [BS08, CYC+12, ZWZD15].

Variations [LG12, RKC+16].

Variety [DSP+17].

Varifocal [DTT+17, RWF19].

VarifocalReader [KJW+14].

Varying [Apo14h, AM13, BRT12, BLS17, CKW+12, CLC+15, CMP14, DB07, FWS12, GABJ08, GSDJ04, GW11, GWP+16, Har16, HE06, JEG12, JS06, JY17, KBD+11, KLYSK12, KG09, KG06, LLL+12, LS09, LMC02, MN+19, NJ09, OBJ16, PSR17, RBDG15, SK16b, SK08, SB06, SS+17, SH0b, TII+19, WFKH07, WYM08, WC09, WC10, WCJ06, WS06b, YL12, CJ07, DS16b, KC14, NSW+17].

VASA [KZK+14].

Vascular [KOC14, KGPS13, RHD+06, WJR+13, JQD+08].

VAST [Apo12g, Ert10c, MW13, V11, Ano16u, Ano18h, Ano18j, Ano19h].

VAUD [CHW+18].

VDR [YSGM05].

VDVR [XM10].

Vector [AJO18b, BW08a, CML+07, CMLZ08, CKW+12, CM02, CLB+16, DANS10, DPR00, DNP07, ES05, FBW16, FCL09, GPR+01, GKT+08, Hau97, HEWK03, HA04, HE06, HLD+08, LKJ+05, LJ04, LVRL06, LCS06, LTWH08, LHFY12, LFR03, MBS+04, MCM10, MK13b, NJ99, NLS11, PGL+12, PRC10, PRU19, PvdBC+11, QPB01, REN+17, RHA+06, RBN+19, SA+18, SC+18, SC15, SGM13, SGL07, SJ06, SFL+16, TII+19, TPR+17, TRL+17, VTT19].

if
RLH11, RLK19, RT12, SKMR98, SB04, SLB04, SWCR15, SRW+16, SBW17, SZ12, SS13b, TWH05, USE13, WASQ18, WT10a, WJE01, WGS07b, WPL96, ZBG+17.

Vector-Based [CLB+16]. Vectorial [HHR01]. Vectorization [YCY+16, YHL+17]. Vectorized [HXX+15, SGM08]. Vectorizing [ZCY+09].

VectorLens [DMC15]. Vectors [BHB04, FPH+08, JCDW14, ONL+12, VP09].


Verifying [EJR+14]. Verisimilitude [Yon14]. Versatile [HWW18, LDC96, PBO+14, SR17, YLY+12].

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[PHE+18]. **Virtual**

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**Virtual**

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[RDR+13]. **Virtualized**

[SVDBLM11, SRKL19]. **VIS**

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**Vis4ML** [SKK19]. **VisBricks** [LSS+11].

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[CPW+15]. **VisFlow** [YS17]. **VisGets**

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**Visibility-Driven** [CM11, ZZWBW08].

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IBJ+14, IWSK07, JHP+14, JM10, JCRS09, KIL07, KHA12, KHDLO7, KLC08, KRH18, KBI+18, KSSW09, KM06, KTB+18, LMZ06, LLB+12, LAK+11, LRKC10, LPK+13, LFLH07, LFH08, LMW+17, LPCRH19, MRSS+12, MKH12, MLCM16, MQB19, NSH+18, NBJ09, NGCL19, OHWS13, PFK07, PMW13, RFTT17, RSOW18, RKKF19, RSSA08, RM13, SSMG13, STM17, STS06, SBV+11, SKMR98, SMB+06, SK08, SWL+14a, SW97, STM08, SGAS16, SAB+16, SUN03, TRd12, TTS10, TS07, VRW13, VBW16, VwWdL06, WHZ+18, Wil18, WPI96, WSW+18, WYM12, WXW+19, XCZ+19a, ZFA+14, ZDL03.

Visualizing [ZCL09, ZWJZ12, ZWR14, vLdL03].

Visually [DYW+13, GdbG12, LKCO9b, LKY+12, MOC+14, PGF16, PIS15, QM16, WCS+18, YLZ+13]. Visuo [CGB+13, EPS+15]. Visuo-Haptic [CGB+13, EPS+15]. VisWeek [Ano12q, Cox11, Cze12, Fra12, Heg10, Sza10, Tha11].

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Volume [LR11, LRR08, LCDP13, LWP+06, LTP+05, LMC02, LLY06, LLPY07, MB18a, MDM10, Max95a, MB18b, MAWM11, MHGD11, Mur95, NKH14, NJ16, NvdV00, PMP10, PPL+99, PK16, PHF07, PFK+08, PRH10, RSB96, RGF07, RPSC99, RLNN11, RE01b, RDB+12, RO08, RZNS04, SE17, SWB+00, SYM14, SM17, SPM11, SE18, Sel15, SZN+18, SRM19, SKMH14, SHC+09, SK00, SB17, SYR11, SGM+11, TLD+12, TIW+19, TCM10, TL05, VKG05, WS06a, WS070, WM08, WCZ+11, WWLM11, WK13, WDC+07, WEE03, WFG+19, WKZL04, WSM98, WQ07, W1K+17, XTY+11, YSK95, YLX+12, YFC+19, YL95, YNCP06, ZM13, ZDM13, ZX10, ZAM11, ZWM13, vPvWdW10].


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