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10 June 2022
Version 3.00

Title word cross-reference

1 [TWSM17]. 2 [AH11, BSW+12, BCK+12, GBS19, GST14, GT16b, GLX+16, HCGW14, HRRR18, HL15, HYL+15, JWH19a, KKB, KCL+18, KG19, LJB+12, LWS18, MBES16, NBHN17, OM13, OW19, OGGT10, PCX+18, PW12, PPBT12, RGG18, SW10, Sch11, SK16a, SSS+12, STP17, WYL+12, WRS+13, WGS10, YFW12, ZRLS19, dGCSAD11, dGGLB+14]. 3 [ADMAS18, ASH15, Att15, ATF12, AH11, AKM16, ARG+16, BSY+19, BCBB16, BCK+12, BLS+17, BHMT13, BdM14, BL18, CS16, COO15, CY+11, CNKI13, CHWL19, CACB18, DDO+17, DS11a, DGR+14, DER+10, DMS14, EHH+19, FHE19, FW17, GS14, GRT+14, GLX+16, GTB14, HT11, HMTH13, HRRR18, HL14, HL15, HMW+15, HBO+10, HFL12, HMK15, HCSC+16, HAGO19, HJ+15, JJKL+18, JLW10, JL19, KZB19, KKB, KFW19, KLTZ16, KCH+18, KGP+12, LSF+11, LT17, Lav11, LSL18, LOM+18, LDG+15, LLY19, LGK16, LAFT+12, LTX+14, LTR19, LEM+17, LN17, MHS+14, MGY+18, MCHW18, MGG10b, MbMYR15, MCG+19, MPWC13, MEKM17, NHWFD+16, NW17, NRM+12, NRP+11, NREM14,
ORT18, PBMG15, PSCC18, PB11, PEP+11b, PGK10, POG13, PS10, PBC+16, RXX+17, RKSA17, RI17, RAMG15, RBRY19, RLYL14, SLB+18, SY14a, SYM10, STKD12, SXY+11, SN12, SK17. 3
[SLS14, STC+16, SJW+11, SJWS13, SBL12, TDS+16, TWS+11, TSW+19, TTB12, TBTD12, VGB+14b, WL10, WCT+15, WZK16, WLL+17, WLYL14, SLB+18, SY14a, SYM10, STKD12, SXY+11, SN12, SK17]. 3
[SGS14, STC+16, SJW+11, SJWS13, SBL12, TDS+16, TWS+11, TSW+19, TTB12, TBTD12, VGB+14b, WL10, WCT+15, WZK16, WLL+17, WLYL14, SLB+18, SY14a, SYM10, STKD12, SXY+11, SN12, SK17]. 3

AKS+19, CVCH14, CRC+15, HRS18, KPG+16, KBvP+17, KGGP18, LWL+16a, MKP+16, WH17a, ZFG+17, dHvPJ14, vPJ14b. 4


11th [AJL+11].


20th [AJL+11].


4DCT [AAS+16]. 4PCS [MAM14].

60km [HLH+16b]. 60sec [HLH+16b]. 6DOF [BH15, LAF12].

8th [AJL+11].

Accelerator [BAAM17]. Accessible [RLH17a]. According [TX16]. Accuracy
KS13a, Meu19, SSO+10, SLD+17, WH17a, DFIM15, DMCN+17, EMU17].

**Aliasing** [AGJ12, DFY14]. **Aligned** [CK14, DLY+18, KCL+18, NZH+18, PWS12, TLRB18, WYKR17, WZG+19].

**Alignment**

[AKM16, CIE+16, CRC+15, ESKBC17, GVS+15, SBC14, SDK+15, NNRS15]. **All-Frequency** [IFL13, MC10b, OPP10, IFDN12]. **All-Hex** [GSZ11].

**all-scale** [LN17]. **Alleged** [RP5F15]. **Allocation** [DDH+18]. **Allocator** [VH15]. **Allometric** [MKR11]. **Along** [BJG+15]. **Alpha** [GO10]. **Alternating** [HCW17, KR19]. **Alternative** [EKW+13].

**Ambient** [LK10, LWDB10, MSW10, MBDC15, SGG15, Tim13, YWC+10]. **Ambiguity** [SB3+17]. **Ambiguous** [CD10]. **Ambrosio** [BCGL18]. **AmnVis** [NLB+13]. **Amplification** [BDC18]. **Anaglyph** [LMG16, SW11]. **Analogy** [MHS+14]. **Analogy-driven** [MHS+14].

**Analyses** [BMS+10, XBL+18]. **Analysis**

[ASB+17, AHG+19, ACA+19, AYLM13, AFK+14, AAS+16, ABG+12, ACC15, ACHO18, AGCO13, BAT11, BSK16, BPW14, BH19, BDF+14, BPF11, BWM+11, BCGS13, BSK+17, BPM12, BHMT13, BVLBS11, BTB13, BHU10b, BTM+19, CT11, CHH+19, CD18, CGM19, CKB+17, CKGC14, CLCL11, CIZW12, CWL+15, CKH19, DAF+18, DW13, DI8, DPD+15, EFNM12, ERHH11, EHH+13, ER18, ESKBC17, EBC17, FR11, FKW16, FEM+19, GM19, GHX+17, GMLMG12, GL12, GHWG14, HK12, HBRFP19, HRT+15, HCGW14, HZRS18, HCW17, HG18, HMP+12, HFL12, HS1K18, HK15, HO17, JFCS17, JF13, JKK+18, KCJM16, KBL19, KMAB15, KFH10, KBHM15, KLCF10, KCA+16, KFM+19, KASH13, KVD+10, KKL+16b, KTW+13, KSKL13, KBO+14, LPC+12, LSS+12, LZW+13, LMG+18a, LB19, LFS+15, LWT+15, LA15, LJC17, LJHL19, MJK17, MPM+14, MGB+12, MRCB18, MC10a, MLD+18, MHH15, NHH16].

**Analysis**

[OAM+18, OGW19, OT12, OBCCG13, OMPG13, PSPM12, PW18, PG5+16, Pat16, Ppy+16, PDC+19, PPBT12, Pos11b, RCMM+16, RPK+12, R14, RHM+12, SHSK16, SPB+17, SvW13, SXY+11, SV10, SM12, SMJ17, S0A+19, SlV16, SGB13, S15b, SBM+14, SJW+11, SMB+17, TFA+11, TPR111, VH18+18, WXL+11, WMZ12, WCB15, WHP+11, WAF+11, XDC+13, XKHK17, YKS+19, YPF19, YNM+13, ZAM+16, ZSL+17, VLKS+11, DFIM15, KGMP18, NGM14, NNN11, SNJ+14].

**Analysis-Oriented** [MC10a]. **Analytic** [AGJ12, AW13, BH19, EHH19, HC14, MS13, MRMH12, MG10, NBMJ14, Ste19, TBTB12]. **Analytics**

[ARO+17, ALA+18, BEF17, BLY+11, BJA+15, CGWV19, CHH+19, CBK+17, CE19, DI18, DPD+17, DWT+11, EASKC18, ERT+17, HSK+10, HJM+11, KMJE12, KWS+15, KHI+19, LGH+17, LRB+15, MHK+19b, OSR+14, PZDD19, RSM+16, RvHD+15, RCMA+18, RMM15, SGS18, SHP+19, WDC+10, ZAM+16, ZCW+19]. **Analyzing** [BAO+19, JL17, KMJE12, LKZ+15, LMA+18, RXX+17, SHS+17, WDM+12, WH17b].

**Anatomical** [DMN12, GRP10, ZHK15]. **Anatomy** [NJB+11].

**Anatomy-Guided** [NJB+11]. **anchored** [SHS+17]. **Anchors**
PC12, PNVS17, RCB+17a, Ros13, SW10, SKZ11, SB19, Tak19, TMRL14, WHWB16, WLL+17, WLX19, WT11, WC16, WCH+15, YKM12, YWF+19, dGCSAD11, wdEvW13, GBM+19, PCBL16]. Approaches
[AHG+19, CGM19, KCA+16, SDA+18]. Approximate
[ENS12, GRT18, HSL12, KS12a, RLH+17b, SGS14, YB18]. Approximately [KLAB15]. Approximating
[CG17, EDPB15, HMA15, NL13]. Approximation
[BTP13, BSH15, CDD14, KER+14, LK13, LPG13, MS14, MRL10, NBH18b, NL13, PPL13, PCs12, SDS+16, SMP13, XTZ19, YYG18, HP11].
Approximations [BF15]. April [LSF+11]. ARAPLBS [TE18]. Arbitrary
Architectural [BND+17, Hua17, MHA17, SMS+17, ZCY19]. Architecture
[BAAM17, BP13, VOS+10, WDM+12, DPW11, GGM12, SKK+14a].
Architectures [LCDW16]. Arcs [SK16b, SWG16]. Area
[CVJ15, GL12, GUK+17, KMY19, NM14, NPW10, UFK13, JZW14].
Area-Preserving [GUK+17, UFK13]. Areal [BMS+10, RHM+12]. Areas
[SK16a]. Arm [NVH+13]. Arm-Muscle [NVH+13]. Arousal [KKL16a].
Arrangements [CML+12, MMP16, ZCOAM14]. Arranging [YH13]. Array
[JEK+19]. Arrays [BTB+17, FKR13, HGO18, PSH+15]. Art
[AHG+19, AMA+16, BBT11, BFR17, BHP15, BCMP18, BCD+12, CCL15, DFM15, ERT+17, FW17, GP12, GGG+16a, GT18, KRP+15, KKP+17, KBG+15, KKL+16b, KPK18, KLC+15, KYC16, LCC13, LHT17, LGK+16, LGH+17, MFFA15, MGM+19, MKRE16, NSG11, NMS19, NK16, Pat16, PP10, PVS+18, PPF+11, RDG12, RGG+14, SER17, SRM+19, SPN+16, SLK14, SB19, TDS+16, TAAE15, VCD+16, WWS+15, YIC+12, ZTG+18, ZSG+18, ZIJ+15, vLKS+11, PDC+19]. Art-photographic
[SLK14]. arte, [KGGP18]. Arteries [DHS+13]. Artery
[GOH+10, GHB+17, KPG+16]. Articles [CKH19, KVB14]. Articulated
[GHK+10, JLIW10, LG13, MCH13, RF15, TST+15, WZL17, WBM+18, YLX+16]. Articulated-ICP [TST+15]. Articulated-Motion-Aware
[WLZ17]. articulation [TSK14]. Artifact [MM19]. Artifacts
[BMK+19, GL10b, TMH12, VCL+11]. Artificial [dSNV+17]. ArtiSketch
[LG13]. Artistic [CJZW12, KPD10, KSL10, LLC13, SPN+16]. Artistically
[CS16]. As-Conformal-As-Possible [YMK14]. As-Killing-As-Possible
[SBCBG11b]. As-Rigid-As-Possible [WEX+13]. As-Similar-As-Possible
[CG16a]. ASCII [MFPA15]. Aspheric [JKL+16]. Assemblage [GDS12].
Assembly [Jac19, MRS18, NJGW15, TWT+16, XXM+13, Ano10a, Ano11c, Ano12d, Ano13f]. Assess [SSM12, BHT19]. Assessing [KH18]. Assessment
[BCBB16, FAFM19, KPG+16, Lav11, LXX+11, MTM12, RWS+10, RPSF15, VPL+14]. Asset [LTR19]. assets [LN17]. Assignment [KYK14].
Assisted
[BAAR14, BvLBS11, KWC+12, LDGN15, MMF10, JHT14, ZWJ+19].
Association [Ano10c, Ano11e, Ano12f, Ano13i, GSH10]. Associative

Bending [WLZ13, ZLW\textsuperscript{+}16, ZR\textsuperscript{+}13]. BendyLights [KPD10]. Bertin [AKM11]. Better [DH16]. Between [GSTOG16, HB19, KFA\textsuperscript{+}14, LK19, LTR19, OBCCG13, SNB\textsuperscript{+}12, VVE\textsuperscript{+}10, EBC17, EHA\textsuperscript{+}19, JKLI8, PCB16, SBC16, SVBC19, SZ18, TMRL14, VM12]. BetweenIT [WNS\textsuperscript{+}10]. Beyond [Cas12, KASH13]. Bézier [SS15a, VSK16]. Bi [GSDC17, Hua17, ZSW\textsuperscript{+}10b, KP11, KP15]. Bi-cell [ZSW\textsuperscript{+}10b]. bi-cubic [KP11, KP15]. Bi-Directional [Hua17]. Bi-Layer [GSDC17]. Bias [ENSD12, GUS12]. Biases [HF16]. Bidirectional [HFM10, JA18, LZ10, NB15, PBPP11, PRDD15, RSK13, SKZ13, SRK13]. Bifurcation [MBES16]. Big [LJH13]. Biharmonic [HQH15, Rus11, WPG12]. Bijective [SHF13]. Bilateral [BCCS12, IYS\textsuperscript{+}13, LWS\textsuperscript{+}16, YBY10, vKZH13]. Bilinear [MS14]. Billboards [GKH\textsuperscript{+}10]. Bimodal [DDH\textsuperscript{+}18]. Binary [BBDA10, CCLN10, SPSK13]. Binocular [ZHLW18, DKR\textsuperscript{+}14]. Biological [BLY\textsuperscript{+}11, DTS\textsuperscript{+}14, FSTR13, GKPL11, HVH\textsuperscript{+}16, HPvU\textsuperscript{+}16, KRS\textsuperscript{+}13, LDB11, LMP13, LMS\textsuperscript{+}16, LBH12a, SCD\textsuperscript{+}16]. Biologically [LWPL15]. Biologically-Inspired [LWPL15]. Biomedical [BHRD\textsuperscript{+}15, BJG\textsuperscript{+}15, KKL\textsuperscript{+}16b, PBC\textsuperscript{+}16, PKE15, RvdHD\textsuperscript{+}15, SLSG16, LPSV14, ZH14, dHvPJV14, vPGL\textsuperscript{+}14, vdCAV14]. Biomolecular [KKF\textsuperscript{+}17, KRS\textsuperscript{+}13, KKL\textsuperscript{+}16b]. Biophysically [IGAJG15]. Biophysiologically-Based [IGAJG15]. Biopsy [HMP\textsuperscript{+}12]. Biorthogonal [HA17, RLL\textsuperscript{+}18]. Bipartite [CLCL11, PFH\textsuperscript{+}18]. Biped [LK17]. Bipedal [FvdP15]. Bird’s [KHI\textsuperscript{+}19]. Bird’s-Eye [KHI\textsuperscript{+}19]. Birefringence [Ste19]. Birefringence-Induced [Ste19]. Bisector [ZCK17]. Bit [OBGB11]. Bitmap [WCB15]. Bitmaps [RLMB\textsuperscript{+}14]. Bivariate [CGT\textsuperscript{+}15, SARZL10, ZRLS19]. Black [LM15, SO12]. Blackwellization [SKMS18]. Bladder [RCMA\textsuperscript{+}18, RCMA\textsuperscript{+}18]. Blend [TE18]. BlendForces [BSC16]. Blending [BBCW10, GAK10, KG18, OK12]. Blendshape [KBB\textsuperscript{+}17, LXFW11]. Block [KGR\textsuperscript{+}16]. Blocks [KBW\textsuperscript{+}12, LCDW16, GGM12]. Blog [HC14]. Blood [BBB\textsuperscript{+}18, LGP14, NJB\textsuperscript{+}11, YBK\textsuperscript{+}12, dHvPJV14, vPJtHRV12, vPGL\textsuperscript{+}14, KGGP18]. Blood-Flow [dHvPJV14, vPJtHRV12]. Blooming [ZFG\textsuperscript{+}17]. Blue [CG12, HB19, KS11, KS12a, PCX\textsuperscript{+}18, RRSG16, YGJ\textsuperscript{+}14]. Blue-Noise [PCX\textsuperscript{+}18, RRSG16, YGJ\textsuperscript{+}14, CG12]. Blur [HWK\textsuperscript{+}10, JKL13, KSP\textsuperscript{+}18, LDG19, MTAM12, MVH\textsuperscript{+}14, NSG11, SGG16, TMH11, WWT\textsuperscript{+}16]. Blur-Aware [TMH11]. Bodies [Aan18, FP15, LWPL15, LYG15, NL18, WWDD15, ZZT15]. Body [ARB\textsuperscript{+}18, BRT14, DLY12, HA17, JKJL18, KÖOH13, LBRM18, STC\textsuperscript{+}16, vBE11]. Body-Supporting [LBRM18]. Body-Worn [KÖOH13]. Bokeh [JKL\textsuperscript{+}16, MRD12]. Bone [ZHK15]. Bones [TE18]. Book [AKS\textsuperscript{+}19, CHWL19, EHH19, FEE19, HAGO19, JL19, LLLY19, LTR19, WMXC19]. Books [RL19]. Booleans [PCK10]. Boosting [OJS\textsuperscript{+}11, ZDM\textsuperscript{+}14]. Botanical [NPD11, WLJ\textsuperscript{+}18]. Bottlenecks [ABW\textsuperscript{+}15]. Bounce [JR16, LWLD11]. Boundaries [Hol15, MSWI2, SGSP15]. Boundary

BRDF-Oriented [LXY19]. BRDFs [ACG+17, FV14, HLR+11, KGK19, MHRK19, SSGM17, VF16, XWZB17].


Buffers [MIGMM17]. Building [ALA+18, KBW+12, KWS16, NBA18, SK17, WFLW18]. Buildings [CML+12, KMK12, LWB14, MWW12, VKN+12]. Bulk [ASB+17].


BVH [ASK+14, GD16, GM19, GP+10, HMB17, HPMB19, WTMT18]. BVH-based [WTMT18]. BVHs [DKY16]. By-example [ZLL13].


CAM [TWT+16]. Cambial [KSG+15]. Camera [KTS+17b, ESK15, GL01b, GCW15, GBS19, K17, LLC16, LLB+10, PHZ+15, SM11, SDHL11, WYD+13, ZZ17].


NJGW15, VKW⁺12, SKK⁺14b. City
[CY14, KMK12, KHI⁺19, LSWW11, STKD12]. Clark [BHU10b, Cas12].
Class [ENMGC19, KP18, SGW12, WLN⁺17, BMM⁺15, KP15].
class-specific [BMM⁺15]. Classic [LVJ10]. Classification
[ACC15, BV19, CLCL11, EPAS11, HPMB19, KWD14, KMAB15, LA15, MKP⁺16, SS15b, WCB15, MPM⁺14]. Classifications [KK17]. Classifiers
[SAMG14, SS15b]. Clean [HL14]. Cleaning [ACOHS18]. Clear
[HCBW19, HKL17]. Clever [VGB14a]. Click [SGSP15]. Clicks [OGW19].
Clickstream [DRM19]. Climate [KBL19, PDW⁺14, BHT19]. Climbing
[HBDP17, NBH18a, WC16]. Clipping [BBBV12]. Cloning
[ASL⁺19, TSS⁺11]. Closed [GAK10, PSP10, TSK14]. Closed-Form
[PSP10, GAK10]. Closet [AMT⁺12, AW13, BTP13, SBC16]. Cloth
[BYL16, HEW15, YLX⁺17, IMDN14]. Cloth-Fluid [HEW15].
Clothing [SOC19]. Clothoid [BLP10]. Clothoids [BD12]. Cloths
[BD12, LJK⁺12, MBT⁺12, WK12a]. Cloud
[LGW18, MC17, RDK13, SY12b, SSS13, YLH⁺14, YLX⁺16, ZLYL17, Kur15].
Clouds
[BTS⁺17a, BM12, BM16, CCLN10, CACB18, DSY10, GKM18, JBG19, KJT14, LMB19, MEMO14, MAM14, PCBS16, QCW⁺18, RL14, ROPG18, SPB⁺19, SYM10, SSS13, TOZ⁺11, WXW⁺11, WWF⁺18, ZLYL17]. Cloudscapes
[WCGG18]. Clue [ZDJ16]. Clue-Map [ZDJ16]. Clues
[LA11]. CLUST [ZCT18]. Cluster
[AASB19, HV10, LCB⁺18, STMT12, TPRH11, WLN⁺17]. Cluster-based
[LCB⁺18]. Clustered [GM19]. Clustering
[DCYG19, FKS13, GMLMG12, HFL12, JGH11, KBL19, LTB19, LWS18, LJB13, WLZ⁺12, XL10, YYL⁺16, ZLMM16, vPJtHRV12].
Clusterings [APP10, RL16]. Clusters
[CDA⁺14, MBES16, RL16, ZLMM16]. ClustMe [AASB19]. Cluttered
[CKHL11, MPM⁺14, PGVG19]. CNN [FH18, XWY19]. CNN-based
[FH18, XWY19]. CNNs [LSZ⁺18, YLD⁺18]. Co [AKM16, CSLG10, GLK18, HFL12, LT17, MRM⁺18, NNR15, SCD⁺16, WFZ⁺15, YS19, YLX⁺16].
Co-Alignment [AKM16, NNR15]. Co-Completion [GLK18].
Co-Dimension [YS19]. Co-estimation [WFZ⁺15]. Co-occurrence
[SCD⁺16]. Co-representation [MRM⁺18]. Co-Segmentation
[HFL12, YLX⁺16]. Co-Sponsored [CSLG10]. Co-variations [LT17].
Coarse [CDSS14, CLS16, SY11, SY13, SJS13, ZHY⁺13]. Coarse-Graining
[CKL14, MPCM12, SBB14]. Codes [EPAS11]. Coding
[FO12, KMD⁺18, PHK⁺10, SHG⁺16, SGM17, SO10, vTKP11, LBBC14].
Coffee [MGN17, SHZD17, SMJ17]. Cognition [CBW⁺14, MSK14, OAJ14].
Cognitive [APM⁺11]. Coherence [BBT11, JvdGMR19, KK11b, MSW10, MHDG11, MW12, PC12, SYM⁺12, XSQ13]. Coherence-Based
[MWW12]. Coherence-Enhancing [KK11b]. Coherent
[BBH13, BLV+10, CS16, CGS16, EPCV15, GOPT11, GRDE10, KTO11,
KFR+14, LAE+12, LHNS18, MO10, MBES16, MBJ+15, PPM+16, RSD+12,
SW10, TCM10, ZAD15, SPCR14]. Cohort [RCMA+18]. Collaboration
[IC11, ID10]. Collaborative
[BB17, JSH+13, MHK+19b, RDK13, TSSP16, XBL+18]. Collage
[GTZM10, ZH12]. Collection [CDSS14, SBC14]. Collections
[AEWQ+15, AKZM14, AKM16, CGW11, CRPA+17, DMS14, FDH+15, HG13,
KGAC15, KFLCO13, LLC11, LCUR14, LVW+15, NBCW+11, NNRS15,
OSR+14, PTT+12, PDC+19, RLGH15, SGB13, YXX14, ZCOAM14.
vCvW17, HAGO19]. Collective [XWY+15]. Collision
[FWPS11, JKJL18, LMM10, LPH+15, LLC+15, PKS10, SR19, TWT+16,
VMTS10, WTTM15, WLT+17, WM18, WDZ17, WC14, YMJ+17].
Collision-Aware [JKJL18]. Collisions [CK10a, PKS10, VMTS10].
collocated [RAmB+19]. Color [AP10a, AAB+10, AGJ12, BMS+10, CKL14,
FLJ+14, GRC13, HGO18, HHGJ15, HZMH14, JYS19, JWC11, JESG12,
KYKL14, KM16, KG18, LLC19, MO10, NKB14, NPCB17, OVB+15, RMZ13,
SO12, SSB+14, TBBP12, TDMS14, WWL+19, WK12b, WZL+17, WTL13,
XADR13, YXX14, WWF+19, YLL15, EKB14, HL14, RCM+14]. Color-Pair
[YWF+19]. Colored [PK10, FLJ+14]. Colorfields [SSG16]. Colorimeter
[GBS19]. Coloring [NPCB17, WZL+17]. Colorization [LT12, JCT14].
colormaps [EKB14]. Colors
[HZMH14, KNL+15, KSG+15, LFK+13, SGSP15, YLL15]. Colour
[AP10a, FPC+16, LM10, LG10, LKSD17, LS15, WDK+13, XWL+15].
Colourization [DRA10]. Colours [MSHD15, OYH18]. column [LBYL19].
Combination [BP17, WMX19]. combinations [SNJ+14]. Combinatorial
[FBPP11, SY11]. Combined [WYKR17]. Combines [ARH12]. Combining
[GLCC18, KP18, KKT17, SJ19]. Combustion
[GBF+14, JK13, OLF+14, OAM+18]. Comfortable [FFN18]. Comics
[CNK13, McC11]. Comments [SHS+17]. Communication
[MMS13, YKS+19]. Communicative [HRD+15, SBD+15b]. Communities
[CDA+14, VBK15]. Communication [DWT+11, RTJ+11]. Commutativity
[NO17]. Compact [CC17, CP11, GLLR11, KBK+10, UKCB15, HLJ+13].
Compacting [HL19]. Compaction [HLJ+13]. Compactly [HA17].
Comparative [ASB+17, ARH12, BVLS11, DHR+13, FL19, GT15, KARC15,
MBV+17, MWS+10, OSR+14, PPBT12, RL10, SKR+14, SS15b, vPGL+14,
EMU17, WGO+14]. Compare [AKMM11]. Comparing
[RL16, SSK16, WPHC16, vCwW17]. Comparison
[BSBE17, DWT+11, FAFM19, HFM16, KWS+15, KZSM12, MTM12, NNN11,
PDW+14, SSW14a, VCRG14, VHHB16, WHS+18]. Comparisons [SLB+18].
Compatibility [LTR19, ZCOM13]. Compensated [PM19]. Compensating
[MSK14]. Compensation [ENSD12, LGM+18b, MK15, SYC10].
Completion [GS14, GLK18, HTG14, IS15, LL19, LLL+15, MSAP15].
Complex \{ASB^{+}17, BWH^{+}11, BHMT13, CG16c, DVPSH14, GKPS12, HPH10, KKSS15, KFM^{+}19, LDY10, MMG18, McD10, MPBM^{+}17, NSRS13, PMD12, RKN10, SCCN11, WBCGH11, DGR^{+}14, GSC18, LN17\}.

Complexes \{AASB14, SN12, DFIM15, LCLJ10, WIFD13\}.

Complexity \{JS10, LFS^{+}15, SvW13, TWD^{+}13, Tim12\}.

Compliant \{LAS^{+}11\}.

Component \{ZFCO^{+}11\}.

Component-wise \{ZFCO^{+}11\}.

Components \{SBL12\}.

Composited \{LWL^{+}16b\}.

Composite \{BPV18, CKS^{+}16, GSDC17, PTO10, SHF13\}.

Compositing \{DZC11, EKFM12, GWO^{+}10, GTZM10, LCWCO10, RLH^{+}17b, RWSG13\}.

Composition \{GLGW12, LCWCO10, LMLF15, SML15, TXGW19, WTLL13\}.

Composition-Aware \{LMLF15\}.

Compound \{RMF12\}.

Compoundly \{CD10\}.

Comprehensible \{KGAC15\}.

Comprehensive \{FHW^{+}11, PRS15, YZL17, ZWJ^{+}19\}.

Compressed \{And10, NVT^{+}14, SBE16b, XSE14\}.

Compressing \{VMHB14\}.

Compression \{AMAM13, And12, CH11, DKB^{+}16, HML^{+}19, HFM10, JBG17, JKJL18, KGR^{+}16, LPG10, MP12a, PM19, RJGW19, SBE16a, VS10, WDR11, BHT19, CVDL16, DCV14, GGM12, PHM^{+}14, VB14a, VD18\}.

Compression-domain \{GGM12\}.

Compressive \{JCK16, LA15, MKU15, SD10b\}.

Computation \{HA19, Hol15, KS11, Pat17, SKZ13, SN12, MVPG11\}.

Computational \{BS12a, BRWM18, DBS^{+}18, DRF12, EMP^{+}12, EWK^{+}13, FO12, GTM^{+}12, HKW12, Jac17, LLW12, McM^{+}12, MP12b, RE12, SLE17, She12, STBG12, TSW^{+}19, WW16, WILH11, YZC18, ID10, IC11\}.

Computations \{RPWO19\}.

Computed \{LWLD11\}.

Computer \{ALCS18, BET14, BMO^{+}14, CTHAM10, DCGG11, GSHM10, GMD10, GP16, KH19, KWC^{+}12, KBKL10, LF10, MWN^{+}17, MSS^{+}10, OP10, PTO10, PQR11, SDA^{+}18, SRH^{+}11, ZWJ^{+}19\}.

Computer-assisted \{ZWJ^{+}19\}.

Computing \{APH^{+}12, BAA^{+}16, CVJ15, CYY^{+}11, CSaLM13, HS17, HR10, JSH^{+}13, NB12, NBHN17, RK10, SRM^{+}19, SD10b, WMZ12, WT11, YFL19, YL11\}.

ConcaveCubes \{LCB^{+}18\}.

Concentric \{XLT^{+}13\}.

Conceptualizing \{DCK12\}.

Concurrent \{KBLE19, YHGT10, ZFE16\}.

Condenser \{LDW^{+}10\}.

Condenser-Based \{LDW^{+}10\}.

Condition \{KS14, OHG11\}.

Conditional \{CLGS18\}.

Conditions \{PCDS12, RGSK10, TDNL18, SZ18\}.

Cone \{CN^{+}11, KB12\}.

Cones \{WT17\}.

Configurable \{SSSG16\}.

Configuration \{LT17\}.

Confined \{HL13\}.

Confocal \{SPB^{+}17\}.

Conformal \{CG17, SBC16, SL^{+}19, WLZT18, YMYK14\}.

Congestion \{BJB^{+}18\}.

Congruences \{WJB^{+}13\}.

Conjoined \{CLJ^{+}15\}.

Connected \{CPZ^{+}15\}.

ConnectedCharts \{VM12\}.

Connecting \{OM13, OW19\}.

Connection \{NB15, YXX14\}.

Connections \{CDS10, PRDD15, ZL^{+}18\}.

Connectivity \{KLS^{+}17, PW13, SSE^{+}14, SMB^{+}17, VR12\}.

Connolly \{MJK17\}.

Conoid \{KTN10\}.

Consecutive \{DMS^{+}14\}.
Cross-Sections [KBT+12, DMNV12, HHCJ18]. Crossing [SAAB11].
Crowd [BSK16, BPA16, CKGC14, CC14, JVS+12, JPCC14, KWD14, LSCCO10, LLD10, LCM+18, SHW+18, XYW+15, ZCT18, DMCN+17, LJK+12, WGO+14]. Crowd-sourced [KWD14]. Crowded [GS14, GTK+12]. Crowds [BD12, LJK+12, MBT+12, WK12a]. Crowdsourcing [BMB+18, OJ15]. Cryptography
[CJFH14, LMHH14, SY14b, SGS14, ZZCJ14]. Crystal [RHLH18]. CSG
Cue [KLK17, RHL12]. Cues [PD16]. Culling
[AMTH12, GL10a, GPP+10, GRDE10, KBK+10, MBJ+15, TH17, WLT+17]. Cultural
[AJL+11, HBRW+12, PPY+16, SCP+17]. Cumulus
[ZLYL17, YLH+14]. Curation [YDP19]. Curl [RLH+17b]. Curl-free
[RLH+17b]. Curvature [CBLW19, CK11b, KSB12, SYT+13, SZ18, TAOZ12, VVP+16, ZWC+10, MM18]. Curve [GLK16, GLK18, GBKS18, HHCJ18, LH11, LZW+13, LW17, LW18, OMW16, PM16, SV14, TBTB12]. Curved [DHP+19]. Curves
[GSE+14a, GLX+16]. Cut [Jac19, WMRSF15]. Cut-Cell [WMRSF15]. Cutaway
[LMS+16]. Cutout [HZZ11, Tzd11]. Cuts
[LdL1R1B16, LVJ10, WWD15]. Cutting
[FLL11, HL14, JZYP18, RCM+14, RLYL14, ZWC+10]. Cuttlefish
[WWL+19]. CV3 [FAFM19]. CVs [FAFM19]. Cyber [MSFM16]. Cycle
D-Printing [KFW19]. Dashboard [MSFM16]. Dashcam [CCC14]. Data [AKMM11, ARH12, AFK14, AECOK16, BDA17, BMH12, BLY11, BWH11, BSW14, BHR19, BIK12, BKR17, BBBL11, BBL12, BVLSB11, BTB13, CTG15, CGM19, CKGC14, CC14, CLJ15, CWL15, CYI12, CNKI13, CWM19, CDS16, CMF18, CKE12, CR16b, DKG15, DAF18, DRM19, DH16, DPD15, DMSL11, DBS16, DBS11, Duc14, EAGA16, EGG15, EIKM16, EHH13, ECN14, FR11, FDL14, FL19, FMH16, GCLX17, GLK18, GCZ12, GKPL11, GRPF16, HENfSYS16, HSM19, HSS16, HB10, HPH10, HJS17, IS15, KWD14, KBZ19, KCI16, KFH10, KKS12, KCA16, KBP17, KVD10, KFR11, KHI19, KTW13, KZZM12, LDB11, LSBP17, LMS16, LKK15, LT16, LOM18, LSS12, LCB18, LM15, LFS15, LJH13, LWPB14, LWT15, LBJ16]. Data [LCDW16, LGW18, MKI11, MHK19a, MHK19b, MRL17, MKP16, MKSS12, MBT12, MDL18, NNN11, NB11, NHG19, OJMN19, OGW19, POS11a, PSM12, PLL11, PEP11a, PVS18, PHL16, PSC10, PEP11b, PEP12, PDW14, Pos11b, PKR10, PC16, PR18, RXX17, RTK14, RL16, RPLH11, RPMO13, RBRY19, RSS17, RSK12, SW14a, SS815, SML15, SC16, SBG17, SPB17, STMT19, SB15, SY12b, SHW18, SV10, SAA18, SK16b, S/L16, SBS17, SW16, SGG15, SGG16, SLSG16, SRG19, SSS12, SSSG16, TFA11, TWC16, TLFC16, TCM10, TPRH11, VSG13, VB14a, VF14, VM12, WCH15, WDM12, WYZC13, WX16, WLL17, WLN17, WBA19, WGI11, WBS13, WHP11, WGO14, WCH15, XSE14, XHK17, YWS14, YKS19, YNM13, YLRC10, ZFAQ13, ZFA16, ZLW16, ZAM16, ZM16, ZCW19, ZZ17, vDO16, vGPB17, vdEvW13, vdCvW16, vdZLB11, BHT19, CGL16]. Data [KGGP18, NDD14, RK10]. Data-Driven [CKGC14, CC14, CKC14, GLHH13, GCLX17, GCZ12, HSM13, IS15, MHK19b, MBT12, RXX17, RBRY19, SML15, SHW18, WLL17, XHK17, ZLW16, ZZ17, AECOK16, CLJ15, EIKM16, HPH10, LOM18, SA15]. Data-guided [HENfSYS16]. Data-Parallel [MKSS12]. Database [LDGN15, OAO11, SK17, LTR19]. Database-Assisted [LDGN15].
Differential
[BM16, BHU10b, CDS10, FSES14, JTSZ10, MS10a, Rus10, VVP+16, YI10].
Differentials [EBR+14]. Difficulty [ZDJ16]. Diffraction [DTS+14, SLE18].
Diffusion [BS12b, BMR+16, BLW11, HCJ13, HHA17, Jes16, KSW+12,
KPS+14, PJSH15, ZCH+17, vFG11, HGA+10]. Diffusion-Based [vFG11].
Diffusive [HWK15, KK18]. Digital [CG16b, DJM12, GGP+19, GBS19,
JFCS17, JSH+13, SCP+17, VGB14a, ZH12, CFG16]. Dihedral [VR12].
Dimension [ATW15, FRI11, LF10, MDI+18, YS19]. Dimensional [ATW15].
Dimensional [ABD10, BTB13, FR11, FDL14, GHGW14, JH19,
KKS+12, KZZM12, LZQ13, LWBP14, LBJ+16, LHNS18, MC14, PSPM12,
PHL+16, STMT12, SGG16, TLRB18, WLN+17, vdCvW16, EHH+13, JPN15,
KARC15, Kur15, LKZ+15, LWT+15, TWSM17, ZCW+19]. Dimensionality
[PSPM12, RL15]. Dimensioning [KWM15]. Dimensions
[EMP+12, KZZM12, LK13, TWMSK18]. DimSUM [MDI+18]. Dipoles
[BSW+12]. Dirac [LJC17, YDT+18]. Direct
[AFK+14, BELD13, BD16, DKWB18, ER18, JKK+18, KPD10, KVS+14,
KGP+12, KWN+14, LWBP14, LKG+16, OT11, OLF+14, RGG+14, SJ19,
SM+11, SPBV10, VCRG14, WK12b, XSE14, ZKGW16, SNJ+14, WZC+11].
Direct-Touch [KGP+12]. Directable [MSGT18]. Directed
[SAAB11, ZWHK16]. Directing [GLCC18]. Direction [MYGY19, WZK16].
Directional [CIE+16, Hua17, LFA+15, VCD+16, MFW18]. Director
[AWCO10, MCB16]. Dirichlet [LPG10, SGB13]. Disassembling [Att15].
Disassembly [KKSS15]. Discovering [BLY+11, CDM+17]. Discovery
[PZD19, SBCBG11a]. Discrepancy [PCX+18]. Discrete
[BCBS10, BDS+12, CDS10, FB11, HRWW12, HZRS18, LGH13, MSS11,
PPH+13, SLZ+19, VMI+13, WLT12, WJB+13, WWH18, YMJ+17, ZKW19,
dGLB+14, DFIM15, WIFD13, YDT+18]. Discretization [QPCR19].
Discretizations [SJP+13]. Discrimination [NWHW16]. Discriminative
[SXY+11, WL+17]. Diseases [ZVE+14]. Disk
[EMP+12, ERA+16, ENMGC19, Gam16, Yuk15]. Disks [EMA+13].
Disorders [BW17]. Disparity [KRMS13, RHL12, SBE19b, DKR+14].
Dispersion [HHGJ15]. Dispersion-based [HHGJ15]. Displacement
[JH12, ZR19, vGPNB17]. Display
[CLGS18, HLR+11, KKTD17, KAS+19, LMLG15, LMG+18b]. Displays
[DER+10, ESDK14, GRPF16, HF16, MbLYR15, RHS+12, SM10, WRK+16,
WHL10, CHA+14]. Disruption [RPMO13]. Dissection [TSW+19].
Dissimilarity [KMAB15]. Dissipation [GBG+14, SOB18]. Distance
[AMAM13, BDF+14, BF15, BFG+17, CG16a, CT11, CSS18, LMM10, LPK13,
MLR10, PL13, PGK10, SFFP15, WCX+13]. Distance-Based [BFG+17].
Distances [C111a, Pat16, Pat17]. distill [GBM+19]. Distilled [AEWQ+15].
Distinctive [SDA+18]. Distortion [LWB14, VP11, ZR19, VR12, VB14a].
Distortion-Free [ZR19]. Distortion-Guided [LWB14]. Distortions
[CHM+13]. Distributed
[BAA+16, GG14, LS16, MHHH15, MKRE16, TIK17, UWA+19].

EACS [BP17]. Easy [CY11, SC18, WHS18]. EasyXplorer [WCH15]. EcoBrush [GLCC17]. Ecology [SvL16]. Ecosystems [GLCC17]. Eddies [LSB17, SJ13a, WHP11]. Eddy [WPH12]. Edge [BdM14, HDL11, HGRS17, JCH11, LHT17, LJZX15, LFA15, TE10,
WTL15, ZSJ19, ZWHK16. **Edge-Aware** [WTL15, LFA+15].

**Edge-Optimized** [HDL11]. **Edges** [BLVD11, BW13, SAAB11, LBA10]. **Edit** [BHW11, EIKM17, FCS+16, GLX17, GMLMG12, GSE+14a, GG15, GLGW12, HMTH13, HM15, HZZ11, HSK14, Jes16, KMS+13, KMAB15, KPD10, KrJC+11, LAS+11, LJJX15, Lie17, LSL+19, LLSC13, MBM13, MIW13, NKLN10, NSRS13, OPP10, PW13, RLH+17b, SMH10, SBE19b, SHJ+16, SARZL10, TRAW12, WDR11, Zh12, ZLDM16, dGWB+14, DCNP14, LGC+19, NGM14].

**Editors** [Pet10, Pet10]. **Edits** [LJH10]. **Education** [SDA+18]. **EEG** [APM+11, JvdGMR19]. **Eect** [CEX+18, GCGP18, HK16, MK15, WWV17]. **Eective** [BP17, Gia18, KGM+10, LF10, TLM16, VF16, WCT+15, XBL+18]. **Eectiveness** [APM+11, KH18]. **Eects** [AMT+12, HHRZ12, JMV+15, KH18, MSK14, OKG+10, RKN12, SGM+11, SKWL13, VWH18, WSK+19, WYKR17]. **Efficiency** [CCI13]. **Efficient** [Aan18, AMTH12, Att15, AKM16, AO13, BAAM17, BHW11, Bik12, CC14, CDA+14, CWW+11, CGH18, DZD+16, DGR+14, FFN18, FBL16, FM15, GPGSK18, GGG+16b, HD14a, HA19, HZZ11, HHH12, IGMK+16, IEK+14, JH19, JKL+16, KS11, KSO10, KBS11b, KrJC+11, KCL+15, KML+15, MCB11, Meu19, MK15, MRS12, MGN17, NS11, OM13, OGBB11, POS+11a, PBPP11, Pat17, QYZ17, RW16, RKR+16, RLH+17b, RPMO13, RS19, SBE16a, SLE18, SSO+10, SKZ13, SDS+16, SO10, TDNL18, TMRL14, TE18, TSDK13, TSK14, TZD11, VGB14a, VB14b, VH15, WZC+11, WZKP14, WTTM15, WLT+17, WTMT18, WBS+13, WCB15, WTH+13, XLI10, XXZC13, ZCZL13, ZHZ15, TPSH14b]. **Efficiently** [MRD12]. **EG** [DS11a, LSF+11, PS10]. **Eigenproblems** [NBH18b]. **Elastic** [Cet19, EHA+19, KSKL13, LLC10b, PGBT18, SBO18, ZZT15, MWCS13]. **Elasticity** [TE18, ZLW+16, ZZL+17]. **Elasticity-Based** [TE18]. **Elasto** [ZLKW13]. **Elasto-Plastic** [ZLKW13]. **Elastoplastc** [CZZ+18]. **Eectors** [ATCO+10]. **Electronic** [CKL14]. **Electroporation** [KFR18]. **Electrostatic** [SGBW10, SGW12]. **Elegantly** [GLGW12]. **Element** [BHUU10b, KWSH+13, MRS18, XGDC17, YFW12]. **Elements** [BEF17, CK11b, CFS14, GBG+14, HZZ11, JTSZ10, PSC10, UFE10]. **Elevation** [SS15a]. **Elimination** [Yuk15]. **Ellipses** [GUK+16]. **Ellipsis** [SH14a]. **Ellipsoid** [XYD18]. **Embedded** [BGCP11, BXH10, GBW16, KFA+10, AH11]. **Embedding** [ABK+19, CK14, KCL+18, PHL+16, SSSSW13, SDKG18]. **Embeddings** [BLTD17, HG18, HVP+19, LJWH19]. **Embellishment** [LLC13]. **Embellishments** [SHK15]. **Embodied** [Thi11]. **Emission** [WW11]. **Emissive** [KYM19, SHZD17]. **Emotion** [ACC15, KKL16a]. **Emotions** [ACC15]. **Emphasis** [BRM+16a, GOH+10, HPK+16]. **Empirical** [AKM11, SBLC17]. **Empirically** [KARC17]. **Employing** [PEPM12].

Encodings [KH18, PH17, SK16b]. Encounters [BMH+12]. End [APH+12].


Engineering [ABW+15, DPD+15, KBHM15, LSS+12, LMK+15, PPBT12, PH17, RPK+12, TTB12, DMS14]. England [ID10]. Enhanced [CNCO15, JESG12, LM15, PSCC18, RAMG15, TGM12, XCDR10].

Enhancement [BCN11a, CZY11, HA11, HDL11, LL12, LCL11, MO10, RH12, SLCL19, ZCC14, ZBW11, HHS14, SLKL14]. Enhancements [TMHD12].

Enhancing [KK11b, LCC+18, PW17, QWZ+19, SK10, SGG16, VMTS10, WYD+13].


entangled [GGG+16b]. Entities [ACC15, SJB+17]. Entity [EASG+17].

Entropy [HVH+16]. Environment [BCD+13, BNJ15, BCRA11, KL14, KÖH13, MRMH12, PML12, SH14b, SPV+10, IMDN14, TAAP+16].

Environment-Adaptive [KL14]. Environmental [GPG+16].


Estimating [JCW11]. Estimation [AAS17, BEEM15, BM12, BM16, CEX+18, CACB18, DDÖ+17, GUS12, HDF15, HGNH17, HWL18, HET12, JMD15, KUMY10, LWDB10, LJL+18, LMGH+13, MBT+12, MMO16, MES+11, NIDN16, SW17, STC+16, VVP+16, WHD17, YWF+19, ZNZ19, ZRJ+15, vMRBPM17, SD10b, WFZ+15, WGO+14]. Estimators [SKGM+17, WYD+13, SNJ+14]. Eulerian [JS10, PCBL16].

EUROGRAPHICS [Ano10a, Ano11c, Ano12d, Ano13f, Ano13i, Ano10c, Ano11e, Ano12f, AJL+11, Bru11, Can11, CSLG10, Eis11, ID10, IC11, Kuh12, Ano10b, Ano11d, Ano12e, Ano13g, DS11a, LSF+11, PS10, WBP11].

EvalBench [AHR13]. Evaluating [BHT19, CCH+14, GHX+17, HVH+16, HYL+15, JVS+12, KK17, OJ15, SDK+15, WLS13, HDV19]. Evaluation [AKMM11, ARH12, AHR13, APN+11, APP10, BGCP11, BH19, BLD13, BMB+18, BCBL13, CRY11, CK10a, CE19, DBS+18, EWMU13, HV10, JC10, JKLS10, KDC17, KHW13, LCSCO10, MBDC15, MK15, MAAG12, OJ15,
Extraction
[BAT11, GSW12, GT18, GLX+16, HLH+16a, JWH19a, KG19, KRS+13, LW17, LW18, LKG+16, MBES16, MPWC13, POS+11a, PTA+11, SBD15a, WL10].
Extraordinary [MM19, MM18]. Extrema [JWS12]. Extremal [GSW12, KCH+18, WMZ12]. Extreme [XXLX14]. Extremities [SY14a].


\textbf{Face} [FNH+17, GVS+15, RC18, SLCO19, SDK+15, SK17, TX16, WL10, ZTG+18]. Face-Centered [RC18]. Faces [BSC16, BBIG17, CLG+18, FGT+16, GVS+15, KÖS+15, LLLY19, ZSW10a].


\textbf{Fashion} [SSE+14, CLGS18]. FashionGAN [CLGS18]. Fast [ABD10, ATCO+10, BCCS12, BAT11, BHH13, BM12, CK11b, Csl18, FWS11, FH18, GL10a, GPP+10, HCW17, HCW19, IUDN10, KSI12a, KSO10, Kz15, KL15, KKB18, KSI12b, LK10, LK13, LWDB10, LMP+10, LPH+15, LW17, LGZ+16, MS16, MFPA15, MAMI14, NS19, NBH18b, NL18, PKS10, PEM12, POCM19, QYZ17, SR19, SZMTW15, SPD14, SO10, Sf17, TSPP16, VKJ+17, WWH18, WLM13, WTYH18, XSM13, XYW19, YXX14, YYZZ18, YBY10, ZWC+10, ZLSW17, ZSW+10b, GD16, VR12].

\textbf{Fast-forward} [ZLSW17]. Faster [BRM+16b, LCD10, MS16, NB12, SGM16]. Fat [BJB+18]. Fat-Tree [BJB+18]. FaVVEs [BRM+16a]. FCC [VCG14]. Feathering [LLC+15].

\textbf{Feature} [BYM18, BHI1a, CS16, CLLC15, DGQ+12, ELM+12, GSP19, GLK16, GLK18, GGP+15, HTG14, HLH+16a, HGA+10, JH12, JKK+18, KMD+17, KYC16, LBG16, LB19, LPG10, LKG+16, LRB+15, MFPN13, MVZ16, MMV+13, POS+11a, PHK+10, PTA+11, RMZ13, SW17, SYM10, TX16, WL10, WYZC13, XSS+15, XADR13, YXX14, YYL+16, ZWY+13,
AFHdL14, WZC⁺11]. Feature-Aware [CLLC15, KYC16, LBG16]. Feature-Driven [LRB⁺15]. Feature-Oriented [YXX14]. Feature-Preserving
[BUH10a, DGQ⁺12, HTG14, JH12, KMD⁺17, WYZC13, ZWY⁺13]. Features
[ABCT10, AMS16, ABK⁺19, AKZM14, BLY⁺11, BBB⁺18, BHS⁺17, BPKB14, BM12, CjtX17, DMS14, EIKM16, KSP⁺18, KCH⁺18, KRS⁺13, PSCN10, PPH12, RHM⁺12, Sch11, SJW⁺11, WVV11, ZCOAM14, vdcW16, LBBC14].
Featuring [Pos⁺11b]. Feedback [AFHdL14, MTVJ11, XWY⁺15]. Fellows
[Ano10b, Ano11d, Ano12e, Ano13g]. FEM
[BHU10b, CFS14, JTSZ10, KKB18, SSB13, YI10, YLHQ12]. Few
[MSZ⁺18]. Few-shot [MSZ⁺18]. Fewer [OMW16]. Fiber
[AAS⁺16, CGBG13, CGT⁺15, FEM⁺19, KGM⁺10, LZB17, OVV10, PEPM12, RPK⁺12, SSSSW13, SEI10].
Fiber-Level [LZB17]. Fibers
[ACG⁺17]. Fibonacci
[MBR⁺13]. Fibrous
[KK14]. Fictional
[RGM⁺18, SJJ17]. Fidelity
[DMAL10, JVS⁺12, WZCF15]. Field
[AMTMH12, AH11, ABCCO13, BEJM15, BB12a, CWW⁺11, COC15, DZD⁺16, DLY⁺18, DZC11, FKSS13, FL19, FKS⁺10, FKR13, GEZ⁺17, GT16b, GG17, HML⁺19, HKW15, HRS18, JWH19a, MRD12, NSR13, NZH⁺18, NJC⁺19, OCG10, OGHT10, PPM⁺16, PM19, RHLH18, SW10, SGM⁺11, TW10, VSG⁺13, VCD⁺16, WLZT18, WZG⁺19, WXC⁺13, YY10, ZZH15, BB14, CGT⁺15, CFG16, EGG⁺15, SBB14]. Field-Aligned
[DLY⁺18, NZH⁺18, WZG⁺19]. Field-Coherent [PPM⁺16]. Fields
[BCBSG10, BPKB14, BB12a, BOB13, BSEH17, CYY⁺11, CGBG13, CSS18, DLD12, DVP414, FKSS13, GPK⁺12, GRT18, GKKT13, GST14, GKT16, HLL⁺16a, HMA15, KG19, KCH⁺18, LS16, LWS18, LKG⁺16, NVT⁺14, OBH⁺11, ORT18, OT12, PPH12, PRW11, PW12, RSK12, SW17, SFFP15, Sch11, SFL⁺16, SBCG11b, Szy11, SBL12, Tim12, TRA12, VB14b, WRS⁺13, WGS10, WHT12, ZRLS9, dGLB⁺14, vPJtHRV12, GRT14]. Figure
[YPL19]. Figures
[CYI⁺12]. Filament
[KGM⁺10, HLL14]. Filament-Surface
[KGM⁺10]. Filling [SB13]. Film
[BHRFP19, NDG17, TDMS14]. Films [NREM14, XADR13]. Filter
[BCCS12, HGO18, MS14, PTO10]. Filterable [WWH18]. Filtered
[AHMAM15, LTB19]. Filtering
[ABD10, BEM11, BEJM15, BBB⁺18, BTS⁺17b, CLC12, FWS19, FR11, GO15, IGKM⁺16, JKL16, KVS⁺14, KWN⁺14, KTW⁺13, K11b, LZH18, LWS⁺16, MS16, MBCJC13, MIG17, RSD⁺12, SFFP15, SDMS15, SLYF11, SBS⁺17, SXL19, SCQ⁺19, Tok15a, TSPP16, VCRG14, WMB15, WHLW19, YBY10, YY10, ZCZ13, ZDZ⁺15, ZSW⁺10b, ZWY⁺13, ZJR⁺15, LN17]. Filters
[BTS⁺17b, LK17, MS13, PK15, RI17, WYKR17]. Final [MW11].
Financial [KCA⁺16, ST18]. Finding [HKL17, LKF12, PLL11]. Fine
[KKS⁺17, SY11, SY13, ZWY⁺13]. Fine-Grained [KKS⁺17]. Finger
[LAFT12, WWS⁺15]. Fingering [SKK10]. Fingerprint [OKK13]. Finite
[BHU10b, CK11b, GT15, GKT16, JTSZ10, KWSH⁺13, MRS18, UFE10, ZHD18]. Finite-Elements [CK11b]. Finite-Sample [ZHD18]. Finite-Time
[Gov19]. **Force-Directed** [SAAB11, ZWHK16]. **Forecast** [WFZ+15].

**Forecasting** [DPD+15, DPD+17, FKRW16, RCMM+16, RG19]. **Forecasts** [SWG16]. **Forest** [KS18, ZBM+17]. **Forests** [BN12]. **Form** [PSP10, GAK10, HMA15]. **Formalizing** [HPK+16]. **Format** [GPM+18].

**Formulation** [PGBK18, TDF+15]. **Forward** [GT16a, LDdLRB16, WHD17, ZLSW17]. **forward-scattering** [WHD17].

**Foundations** [BRB+13, LFK+13, LJH13]. **Four** [HTG14, LZQ13, MTM12]. **Four-Dimensional** [LZQ13].

**Fourier** [SLE18]. **Foveated** [LCC+17, WRK+16]. **Fractal** [SB13]. **Fractals** [Gda17]. **Fractional** [LPD14]. **Fracture** [CZZ+18].

**Fractured** [GMM+12]. **Fragment** [PTO10]. **Fragment-Parallel** [PC12]. **Frame** [BPKB14, HB19]. **Framework** [ABW+15, AMS16, BDA+17, BSC16, BDC18, CKGC14, CYY+11, CE19, DKT18, FWPS11, GTL+18, HCSC16, JZYP18, KL19, LBJ+16, NIDN16, PEP+11b, PJSH15, RPLH11, SSE+14, TIK17, Vax14, XSE14, YMJ+17, ZCZL13, ZAM+16, BRM+16a, EKBI14, Lie17, MAG19, YDT+18].

**Free** [DG12, DC10, ELG19, GGV+19, HMA15, KS14, KFW19, LGZ+16, NKS16, PPH+13, SFL19, SKTM11, YIC+11, ZR19, CBV+14, RRS12, RLH+17b].

**Free-form** [HMA15]. **Free-Formed** [NKS16]. **Freeform** [JWWP14, MIW13, XDY18, BPW14, DPW11].

**Freehand** [ZBW11]. **Frequencies** [BKW13]. **Frequency** [BDC18, IFL13, MC16b, OPP10, TM13, WWV17, IFDN12].

**Fresnel** [EKF12]. **Friendly** [KGR+16]. **Front** [Ano16g, Ano16a, Ano16b, OPP10, TM13, WWV17, IFDN12].

**Fundamental** [WLT12].

**FTP** [YSC+18]. **FTP-SC** [YSC+18]. **Full** [MMRO13, YHL+16]. **Fullsphere** [MC10b].

**Fully** [ACA18, LRB17, SKZF11, WBM+18]. **Fully-Implicit** [SKZF11]. **Function** [AVBC16, BF15, CNCO15, GHO+10, HFM10, JH19, KPG+16, PPBT12, PKG10, PSO18, SPB+17, WZL+12].

**Functional** [AWO+14, BCL18, DPW11, GTOG16, GBKS18, HCO18, LRB+16, MWS+10, NMR+18, RPWO19, RCB+17b, RMC17, RLB+19, SVBC19, SSM2, WGBS18, ZCOM13].

**Functionality** [HSvK18].

**Functions** [AG12, BDF+14, HW10, HH10, IYS+13, JWS12, LLC+10a, LKG+16, MGV11, MSS11, MRL10, NL13, NBN17, PSP10, PDV+15, RSK13, SKZ13, SRK13, SFL+16, SS15b, SMG10, BCGS13, TWSM17].

**Fundamental** [WLT12]. **Fused** [RCM+14]. **Fusion** [DYFX19, EGG+15, HW16, HA11, JJKL18, YCL+17, ZCZL13, KB+14].

**Future** [OJMN+19, vLKS+11]. **Fuzzy** [LS15, SCF10, SDKG18, YSC+18].
G [KP19]. G-splines [KP19]. galleries [LSN+14]. Game
[MVLS14, MTVJ11]. Gamma [BSH12]. Gamut
[JWH+19b, NKB14, PR12, SSGM17]. Gamut-Based [NKB14]. Gap
[YKS+19]. Garment [DDO+17, ZCF+13]. Gas [ZH QH17]. Gathering
[LWLD11, MW11]. Gauss [Cet19, YBY10]. Gaussian
[HWF+17, IFDN12, LS16, Tok15b, WFZ+15, XL10, YZXW12].
Gaussian-Based [NKB14]. Gaussian-Distributed [LS16].
Gaze [BKW13, HBO+10, MBM13, OAJ14, PMG13, RKG18, RPA+15, SGEM16, WBM+18].
Gaze-Contingent [SGEM16]. Gaze-driven [MBM13].
Gaze-enabled [OAJ14]. GazeDirector [WBM+18]. GEARS [WZKP14].
GEMSe [FMH16]. Genealogical [RHM+12]. General
[AMS16, Ano10a, Ano10c, Ano11e, Ano12d, Ano12f, Ano13i, BEEKM15, BÖK11, HVVR18, HCSC16, HLJ+13, KS13a, LT16, LWS+13, LBJ+16, MR17, PCDS12, PSP10, RÖG17, SV14, SDHL11, WZKP14, WHT12].
General-Purpose [HLJ+13]. generalization [vDHO16]. Generalized
[AMAM13, BDA+17, CG16b, DLGY12, EDPB15, HWU+19, Jac17, Jes16, KPK10, MCM+12, PKS11, PGK10, STK12, XTZ19].
Generalizing [CGT+15]. Generated [UKCB15]. Generating [DJSJ19, LVJ10, LLC19, MH17, RLGH15, TXL+19, WTL13, Yuk15, LLLY19].
Generation [AKV15, BYM15, BÖK11, HVVR18, HCSC16, HLJ+13, KS13a, LT16, LWS+13, LBJ+16, MR17, PCDS12, PSP10, RÖG17, SV14, SDHL11, WZKP14, WHT12].
Generative [CLGS18, KAT+19, QWZ+19, SLCL19, WGW+19, WPY+19, WLX19, YDP19, ZLZ+18, HKM15, NW17]. Generic [LGC+19]. Genetic
[Deh18, HSS17, LS15]. Geneva [Ano10c, Ano11e, Ano12f, Ano13i]. Genome
[KMA+19, SCD+16]. Genomic [NHG19]. Genomics [LS15+12, MWS+10].
[DBS+11, vGPNB17]. Geo-information [DBS+11]. Geo-referenced
[vGPNB17]. GeoBrush [TSS+11]. Geodesic
[CK11a, HZRS18, MR12, WK12a, XYM13, XLS+14, ZWC+10]. Geodesics
[HRWW12, SCF10, ZJC14]. Geodesy [CHK13]. Geographic
[CY14, LBK14, WKS+14]. Geographical [LCB+18, ZLM16]. Geological
[DKG15, RMH+18]. Geometric [ATK17, BHS+17, BMR+16, BvTH16, CK11a, CD10, CDS14, FLL11, FSTR13, GUK+17, HK12, KZB19, KBK13, LMW+19, MLP+10, PCBS16, PSCC18, PPY+16, SDL+17, TSS+11, VKJ+17, WLX19, WMRS15, YLX+16, BCG13, BUH10b, VMHB14]. Geometrical
[PRW11, SPT14]. Geometrically [SHCB15, TL19, YYL+16]. Geometries
[JL17, Kaz15, RXX+17, WH17b]. Geometry [ABCJ10, BPW14, BS12a, BKS+12, BGS10, BNH10, BBDA10, CVDL16, CSD11, CCLN10, CCW12, CG19, CK13, CH11, CDS10, DKB+16, DRF12, DFY14, EMP+12, EBM12, FWX+13, FGT+16, GPK+12, HRS+14, HM15, HMA15, HREB11, IEKM16,
Kaz15, KMHG13, Kim15, KBÖ+14, LT17, Lai13, LGH13, LTB19, LZQ13, LJB13, LPG10, LCLJ10, LLW12, MS10a, MS12, MCM+12, MBG+12, MSW12, MPM+14, MPWC13, NWHW16, Pat16, PHK+10, PPM+16, PKS11, PK15, Rus10, SCM+19, SY12b, She12, SLHC12, SFL+16, SYT+13, SJW+11, TSS+11, VS10, WKM15, WLJ+18, WGH+19, WCX+13, WDAH10, YH13, ZYF13, ZSW+10b, ZWY13, ZIM13, BLD14b, VB14b, YDT18.


GPU-accelerated [MAG19]. GPU-Adapted [ZSS17]. GPU-Based [RGG+14, BHP15, RPLH11, LMM10, MW11, MR18, PC12, TTN+13, TWT+16]. GPU-Friendly [KGR+16]. GPUs [HHRZ12, HLJ+13, KBS11a, LCD10, MRAS17, VH15]. GrabCut [CPZ+15].

Gradient [BYM18, CRGZ10, CGBG13, DMCN+17, HOB+19, HGNH17, HGP+19, LJKL17, LTKD15, LKSD17, MVZ16, MJBC13, NNN11, PBE18, RLH+17b, RLMB+14, RLGH15, SBE19b, VK18, WTL15, WZL+17, XWL+15]. Gradient-Based [NNU11, DMCN+17, RLGH15]. Gradient-Domain [BYM18, HOB+19, HGNH17, HGP+19, MVZ16, RLH+17b]. Gradient-Guided [SBE19b]. Gradient-Index [CRGZ10].

Grammars [BHMT13, HLL16, MBG+12, VRBC17]. Graph [ACS+17, BBDW17, CD14, CDS16, GME11, GSE+14a, Gwel99, HET12, HET12, KKT17, KRM+17, LLY19, LFC14, LGW18, OAJ14, OJ15, PMD12, SLH+18, SBM+14, STP17, WT11, XDC+13, YKS+19, MSW39].

Graph-Based [CADS16, STP17, WT11]. GraphDice [BCD+10]. Graphics [ALCS18, AXL+11, BET14, BMO+14, BCD+12, CDG+11, DHP+19, GSHM10, GMD10, HCA+12, JH12, JVS+12, JCN11, KH19, KKB10, KDCM14, Kuh12, LF10, LBH12b, MWN+17, MSS+10, MIH13, OP10, PJ1+11, PTO10, PCR11, RE12, SDA+18, SRH+11, SGYF11, SLD+17, TGM12, TMHD12, VBAW15, VBW17, VM12, WDM+12, WT17, WK17, XDC+13, ZH18, vLKS+11, DGR+14].


Ground [CMF18, SDK+15]. Grounded [CBK+17]. Group [CDA+14, GKB12, NPB17, RCB+17a, SSS16, WH17b].


Guidelines [SLB+18]. GuideME [ZH14].

Hair [CBTB16, HBLB17, JL18, KB12, MSGT18, OXK12, PKS11, QWZ+19, RKN12, WW1+13, WLI+12, ZTW+12, dFH+11]. HairControl [MSGT18]. Hairstyles [RKN10]. Half [AMTM12, HKD15]. Half-Space [AMTM12]. HalfToning [AP10a, LM10, LCG10, SGBW10, SGW12].

Hallucinating [ZCW+15]. Halos [TMHD12]. Hand
Hand-colored [FLJ+14].

Hand-held [LLCZ16].

Handling
[FM15, HEW15, LPH+15, MFW18, TL16, TDNL18, TWT+16].

Handwriting [CLJ+15].

Hard [SWP11, TSK14].

Hardware
[And10, BH15, GI18, LMLG15, LMPD15, MMF10, NKF+16, SM10, SDHD17, TGM12, VKJ+17, VOS+10].

Hardware-Assisted [MMF10].

Hardware-Based [LMPD15].

Harmonic
[HCW17, HCW19, LPG10, SFL+16, KBB+13].

Harmonics [MRCB18].

Harmonization
[LPSB18, MWS+16].

Harmony
[YWF+19].

Hatching
[USSK11].

Having
[SM14a].

Hazards
[CKS+15].

Hazy
[BPV18].

HCCMeshes
[KBK+10].

HCI
[RPA+15].

HDR

HDR-Video
[EWMU13].

Head
[WRK+16].

Head-Mounted
[WRK+16].

Heat
[AAS17, BPVR11, BJG+15, DLL+10, MGG+10a, OMMG10, WPH+12].

Heavy
[CBKK+19].

Height
[HMA15, TW10, Tim12].

Helicoids
[PKS11].

Hemispherical
[MBB19].

Hemodynamics
[NLB+13].

Heritage
[HBRW+12, PPY+16, SCP+17, AJL+11].

Heritage
[AJL+11].

Hermite
[IYS+13, MGV11].

Hero
[WND+14].

Heterogeneous
[BAAM17, BDF+14, ENSD12, KRD+15, LSS+12, RGG18, SDS+16, SHZD17, WWH+10, ZM16].

Heterojunction
[ASB+17].

Heuristic
[SSS+12].

Hex
[GHX+17, GSZ11].

Hex-mesh
[GHX+17].

Hexahedral
[CAS+19, GSP19, LMP16, XGDC17].

Hexahedralization
[Tak19].

Hidden
[BKM+19, MCB16, ZDJ16].

Hiding
[WGW+19].

HidingGAN
[WGW+19].

Hierarchical
[AP10b, BL18, CNKI13, DHP+19, FWPS11, GPG11, GRT14, HMB17, HGRS+17, HVP+19, JRJ11, JYS19, JGH11, KB19, KKS+17, KBK+10, LMM10, LWS18, LHH+13, MS11b, MBJ+15, PP11, PHL+16, PM19, SVBC19, SMG10, TF15, UKCB15, VK18, VRBC17, VBBH13, WHWB16, ZH12, pJHRV12].

Hierarchical-Culling
[KBK+10].

Hierarchies
[Afr12, BH13, BM15, DWT+11, GB15, ND12, SM11, SBE16a, SBE16b, SPH11, VKJ+17, VHB16, WD11, WAF+11].

Hierarchy
[KBLE19, MB18, SMP13, WXL+11].

HiFiVE
[SSSSW13].

High
[ABD10, AFK+14, ASH15, BAT11, BAA+16, BEM11, BHU10a, CKL14, Csö18, DW13, DER+10, DML10, EM+12, EHH+13, FR11, FGT+16, GO15, GBW16, GPRS14, HBBH18, JPN15, KARC15, KP19, KKK18, KBK+13, LCC+17, LTB19, LKZ+15, LWBP14, LWT+15, LBJ+16, MBRHD18, MS10, PSPM12, PHL+16, REH+11, SPB+19, SBE16b, SHG+16, SGGM17, SGYF11, ST18, SGG16, SKTM11, TTN+13, TM13, TLRB18, TSSP16, ÚFE10, WWV17, WLN+17, WGW+19, WLI+12, XSE14, ZLYL17, vdcw16, EMU17, SHD16].

high-degree
[SHD16].

High-Dimensional
[ABD10, FR11, LWBP14, LBJ+16, PHL+16, SGG16, TLRB18, vdcw16, EHH+13, JPN15, KARC15, LKZ+15, LWT+15].

High-Frequency
[TM13].

High-Level
[HHJ18].

High-Order
[GO15].

High-Quality
[BHU10a, Csö18, DW13, MS10, REH+11, SBE16b, TSSP16, ÚFE10, BAT11, BEM11].

High-refresh-rate
[DER+10].

High-Resolution
FGT+16, GWB16, TTN+13, KKK18, LCC+17, ZYL17. **High-Speed**
LTB19, SGMG17, WLI+12. **Higher**
[468x681]34
[135x646][FGT
[159x650]+16, GBW16, TTN
[244x650]+13, KKK18, LCC
[327x650]+17, ZLYL17]. **High-Speed**
[LTB19, SGMG17, WLI+12]. **Higher**
[Mu14, POS+11a, SK10, Sch11, ÜFE10]. **Higher-Order**
[POS+11a, SK10, Sch11, ÜFE10]. **Highlight**
[418x320][GP18]. **Highlights**
[468x681]34
[135x646][Hilbert [SSSSW13]. **Histogram**
[468x681]34
[135x646][KMAB15, LFS+15, WCB15]. **Histograms**
[468x681]34
[135x646][LS15]. **Histology**
[468x681]34
[135x646][GHB+17]. **Historical**
[468x681]34
[135x646][BMH+12, KMK12, PTW13, PSP+14]. **History**
[468x681]34
[135x646][GLG+16, IUDN10]. **Hyperbolic**
[468x681]34
[135x646][RKSA17]. **HyperMoVal**
[468x681]34
[135x646][PBK10]. **Hypersliceplorer**
[468x681]34
[135x646][TWMSK18]. **Hypothesized**
[468x681]34
[135x646][KQR+19]. **Hysteresis**
[468x681]34
[135x646][WLZ13]. **I-SI**
[468x681]34
[135x646][WDM+12]. **Ice**
[468x681]34
[135x646][IPKK13, IUDN10]. **ICP**
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[135x646][TST+15]. **Ideation**
[468x681]34
[135x646][ADN+17]. **Identification**
[468x681]34
[135x646][HV10, MMNG17]. **Identifying**
[468x681]34
[135x646][LGK16]. **IGM**
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[135x646][BAO+19]. **II**
[468x681]34
[135x646][ABCJ10, CD10, CBV+14, DLS10, DER+10, EKB14, HWK+10, HHS14, IY10, JCT14, JPCCI14, KS10, LSN+14, LCLJ10, MDD+10, PHM+14, RTK+14, SPK10, TW10, VB14a, VF14, WGO+14, ZSW+10b, ZH14, vDCavW14]. **III**
[468x681]34
[135x646][CVCH14, GDAU14, JZW14, PSP+14, SPCR14, SLKL14, TPSH14b]. **IISPH**
[468x681]34
[135x646][CIPT14]. **Illuminant**
[468x681]34
[135x646][NK1B14]. **Illuminated**
[468x681]34
[135x646][JVS+12]. **Illumination**
[468x681]34
[135x646][ACG+17, BCD+13, BRDC12, BE12, BEM11, BEEM15, BEJM15, BELDI3, BD16, BB12b, BMB15a, BMB15b, CJZW12, CLC12, CSC+18, CNS+11, DKL10, DVP19, ENSB13, GKP512, GRC13, GRR+16, HVVR18, HREB11, ILF13, JSYR14, JD15, KS13a, KD13, KPO10, KTO11, KRM19, LDdLRB16, LVV18, LWS+13, MR17, MBR+13, MC10b, NKL10, NNDJ12, RGG15, REH+11, RDGK12, SJ19, SNRS12, SYC10, SGCN11, SHD15, SJ13b, SSS17, TSdSK13, Tok15b, Tok15a, WHB+13, WMB15, WWH18, XSSX13, XZC13, XWZB17, YWC+10, ZZWC16, ZM16, ZXL17, ZNZ19, SJN+14]. **Illumination-driven**
[468x681]34
[135x646][RGG15]. **Illumination-Varying**
[468x681]34
[135x646][LHV18]. **IlluminationCut**
[468x681]34
[135x646][BMB15a]. **Illustrate**
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[135x646][CRY11]. **Illustrating**
[468x681]34
[135x646][SEI10]. **Illustration**
[468x681]34
[135x646][FLJ+14, JBMC10, LKEEP14, LCUR14, RLMB+14].
Illustrations [WT11]. Illustrative
[ABG+12, BBBV12, CSFP12, CYY+11, HGH+11, LMP13, LVPI18, LPSV14, LSB+17, OVTV10, RMH+18, STKD12, vdZLB11]. Image
[ASW14, ARM+15, AGJ12, AEWQ+15, AECOK16, BCN11a, BCD+13, BEM11, BKM+19, BHW11, BCK+12, BKPB17, BP19, BMS+12, CHM+13, CG16a, CJFH14, CRC+15, CSD11, CIZW12, CG16b, CPZ+15, CCTL12, CNK13, DTV15, DDA+17, DAD+19, DS+17, DYFX19, DJM12, EWM13, EIKM16, FWSH19, FD+15, FACO17, GMLMG12, GO15, GCW15, GD10, GTK+12, GLGW12, HW16, HA11, HDM11, HFM16, HM15, HCA+12, HFE13, HZF10, HZZ11, HZMH14, HWL18, HGH+11, IEH+14, IEK+14, IY10, JES16, JESG12, KWSH+13, KS10, KrJC+11, KG19, KK11b, LG19, LLC11, LCCC13, LVV18, LJH10, LSL+15, LWL+16b, LB19, LCG10, LZX15, LQS+19, LEE17, LLC13, LWS+16, LSL+18, LLX+11, LCUR14, LS15, LMGH+13, LLSC13, MWS+16, MEMO14, MTM12, MVZ16, MFPA15, MNP+17, MKU15, ML+13, MRS12, NC15, NPCB17, NPW10]. Image-Based
[CSD11, GD10, LLB+10, MRS12, TE10, VCL+11, WLM13, BKM+19, BP19, KGK19, RKR+16, RBD18]. Image-Guided
[CJFH14]. Image-Space
[NPW10, SGM16]. Image/Video [DRA10]. Imagery
[ACA18, LTK12, MK11]. Images
[ABD10, AVR10, ARM+15, AECOK16, BKB+12, BKY+16, BBAM12, BRWM18, CHM+13, CJXH17, DZD+16, DJM12, EIKM16, FACO17, FZS+19, GMLMG12, GEZ+17, GCZ+12, GPRS14, GG15, HMT13, HM15, IEK16, IRWM17, JES16, KKB16, KWS+13, KLTZ16, KG18, KYC16, LJ17, LJJ10, LM15, LSL+18, LIE17, LIE17, LCUR14, LSL+15, LLC19, LD10, MES+11, OVB+15, PK10, PH15, PNVS17, RLH+17b, RWSG13, SKWL13, SLK14, SPSK13, TM13, TX16, TAE16, WWV17, WKM15, WCM15, XXS+15, YCL+17, YFWR11, ZC15, ZZ15, ZLY17, ZDJ16, ZVE+14, PGV19, BB14, CVCH14, CHA+14, DRR+14, EKB14, HHS14, JCT14, PHM+14, PST+14, SBB14, SPCR14]. Imaging
[CKL14, DWS+13, HA11, HHC19, HZMH14, KYK14, KB12, NKB14, PKE17, RKN12, SHG+16, SS+14, TMDS14, TAE16, WL11, WYY14, YMS10, ZTW+12, ZBW11, BB14]. Imitating [SLC+19]. ImMens
[LJ13]. Immersive [FFN18, MCG+19, SPV+10]. Immune [HPvU+16]. Impact
[BJA+15, CCH+14, SHK15, WBFV17, ZLMM16, BHT19, ZLM+15].
Impaired [CJP+19]. Imperfect [BBH13, JKL+16, REH+11]. Implementation [IABT11, OP10]. Implicit
InsideInsights [MHK+19b]. Inspection [RKRD12]. InSpectr [AFK+14].
Inspected [LWPL15, SW10]. Instance [LIK19]. Instancing [FKE13].
Instant [DGGK11, FGT+16, LDW+10, LJH10, MGY+18, YWHB18].
Integer [WSSC11]. Integral
[GKKT13, IFDN12, LKEP14, MBB19, ZBQC13]. Integrals [MBR+13].
Integrated [GHB+17, GRPF16, JKJL18, SMS+17]. Integrating
[GT16a, MLP+10, NBMJ14, SKZF11, SHZD17, Ste19, ZTT15, ZOM19, ZLKW13, SD10b].
Integration-Based [MLP+10]. Integrations [RLH+18]. Intelligence
[LPSV14]. Intended [CS16]. Inter [LTC18, PDW+14]. Inter-author [LTC18].
Inter-Comparison [PDW+14]. Interacting [LJL+18, WC14, YLCH18].
Interaction [BRM+16a, CTL13, CYI+12, CKE+12, GEY12, HSH16, HHD+12, HJ15, KKT+17, KGP+12, LAFT12, NW13, PHTB12, RPA+15, SSI16, TCL12, WLL+17, YLHQ12, YBK+12, ZCK17].
Interactions [CTL13, KQR+19, OGW19, SGSP15].
Interactive [Afr12, ACA+19, ARH12, AYLM13, ATT12, BCB+15, BEM11, BEJM15, BET14, BHR+19, BJ+18, BTA+19, CK11a, CRGZ10, CQJ14, CMI16, CSG+18, CLC12, CWL+15, CFS14, CCH+14, CKH19, CEG+18, CBKK+19, CNS+11, DD10, DRM19, DTS+14, EGG+15, EPVC15, ELP19, EMI11, FE17, GBC17, GBKS18, GP12, GHHF14, HK12, HBBP17, HG18, HPO+16, IMDN14, JTR12, JE13, JZYP18, JSYR14, KFH10, WLM15, KKKS15, KV+14, KSJ+15, KSH+18, KFR+11, KRS+13, KTW+13, LKC+12, LCP+12, LCC+13, LRBM18, LCG10, LTK12, LHH+13, LH2a, LSWW11, LWBP12, LZ10, MKJ17, MPM18, MDL+18, MLK+13, MW12, NSM19, NPW10, NCB19, OJ15, PWT13, POP+11a, PP10, PBK10, POG13, PS11b, PM19, RPK+12, RWW16, RKRD12, RTK+14, RL10, RWS+10, RDGK12, SH4b, SG+11, SRH17, STK12, SMSL17, SPF11, SARZL10].
Interactively [BLY+11]. Interchange [MRM+18, ZFAQ13]. Interconnected [KK11a].
Interest [JKK+18]. Interest-based [JKK+18]. Interest[BSW+14].
Interface [BCD+13, CGS16, IY10, LWX+15, RC19, TDSL18, TLD12, WPH+12, DKG15]. Interfaces
[ATF12, CSLG10, HK12, JTR12, MC10a, WSS12]. Intergalactic
[BAO+19]. Interiors [MMP16, WFLW18]. Interleaved [FC10].
Interlocking [YCXW17]. Internal [BPKB14, KLK17]. International
[AJL+11]. Interpolation [CRC+15, CS18, GCLX17, GP16, HCSC16, KMK12, LKSD17, MCH13, NC16, PCBL16, RC18, RGGW19, RSK10, RSK13, SV14, SC16, WWL+13, WDAH10, YLY+16, YFW12]. Interpret [LMA+18].
Interpretation [ZCW+19, ZLDM16]. Interrupted [AAS+16]. Intersecting [KJT14, SJP+13, SP13]. Intersection [RRS12]. Intersections [CK10b, CCC17]. Interval [LJKL17]. Interventional [RWS+10].

Interventions [KFR18]. Intervisibility [Tim12]. Intrinsic [DKPB17, BEKB15, DSH+17, GMLMG12, GEZ+17, GUS12, KLCF10, LVV18, PBB+13, SBC14, SBCBG11a, TBW+11, WH17b, ZHH+15, YDT+18, WMXC19].


Issue [Ano11a, Ano11b, Ano12a, Ano12b, Ano13c, Ano13d, Ano13e, Ano14a, Ano14b, Ano14c, Ano15i, Ano15g, Ano15h, Ano16j, Ano16k, Ano16h, Ano16i, Ano17h, Ano17i, Ano17j, Ano18i, Ano18j, Ano19j, Ano19k]. Items [vdCvW16]. Iteration [Gda17]. Iterations [DHI+15]. Iterative [BTP13, BMS+12, SBC16, WH17a, YYL+16, MRL10, TBKP12].

iVisClustering [LKC+12].


Letters [Pet10]. Level

[AFK+14, ABCN10, HFM10, HBH18, HREB11, JKL13, KBS11a, KVS+14, KWN+14, KDCM14, LDPI4, LWBP14, LMMCO17, LNZB17, NJB+11, SBD15a, SRK13, STKD12, TSB16, VCRG14, WDM+12, WLS13, XSE14, ZBM+17, HK16, JWL+13, LGC+19, MLVS14, XXV+18].


Matryoshka [Jac17]. Matte [BO19]. Matter [Ano16a, Ano16b, Ano16c, Ano16d, Ano16e, Ano16f, Ano16g, Ano17a, Ano17b, Ano17c, Ano17d, Ano17e, Ano17f, Ano17g, Ano18a, Ano18b, Ano18c, Ano18d, Ano18e, Ano18f, Ano18g, Ano18h, Ano19b, Ano19c, Ano19d, Ano19e, Ano19f, Ano19g, Ano19h, Ano19i, OVV10, SJ13a].


Mechanical [UTZ16]. Mechanism [LSZ+18]. Mechanisms [HL15]. Media [CRGZ10, CLY17, ENSD12, Hol15, KPS+14, KF12, SDS+16, SKTM11, SKGM+17, SKMS18, VGS+19, WDM+12, WHD17, YIC+11, GBM+19].

Medial [BS12a, BS12b, CHWL19, DRF12, HCGW14, LW17, RAV+19, YYG18]. Medical [CNCO15, DHS+13, HMTH13, HMP+12, KMM+18, KVD+10, KBT+12, LSBP18, MK11, MHK+19a, MMV+13, MLK+13, MP10, NJB+11, NLB+13, OJMNN+19, PEMMI2, PBC+16, RWS+10, RPLH11, SMIH10, SLB+18, vFJrHRV12]. Medicine [vdCAvW14]. Medium [BAO+19, McC11].

Meeting [Ano10c, Ano11e, Ano12f, Ano13i]. MegaViews [KBLE19]. Melting [IUDN10]. Members [Ano10c, Ano11e, Ano12f, Ano13i].

Membership [DvKSW12]. Membrane [BBBV12]. Memory [BCCS12, CCI13, KSS+15, QYZ17, RWW16, Ros13, TSdSK13, VH15].

Memory-Efficient [QYZ17, RWW16]. Men [BMWW14, DGR+14, YGCO+14]. Merged [SBE16a]. Merging [BW13, CTL13, DIMAL10, SSE+14]. Mesh [AMR+17, BLVD11, BPVR11, BLK11, BLP+13, BCGL18, CK10b, CK11a, CYC15, CCW12, CFB16, CBSS17, CH11, DGP17, DRF12, DSWH17, FLL11, GSZ11, GLLR11, JLL10, JKL18, KMD+17, LMM10, Lav11, LTI12, LZFHI8, LCBH12, MSS11, MSAP15, MSSH12, MLK+13, MRAS17, NVT+14, NL13, PKH+10, PW13, PPH+13, RGG15, Ren16, RMG18, SLA15, SYM10, SPD14, SBCBG11a, TWS+11, TSS+11, TPC+10, VS10, VR12, VVP+16, Vax14, WJB+13, WGH+19, WZCF15, XWL+15, XSS+15, XM15, YGY18, YL11, YWTT12, ZVD10, ZWC+10, ZDZ+15, ZT10, ZWY+13, CH12, GHX+17, LN17, RRS12, VB14b, VD18, VF14, YI10, ZCJ14].

Mesh-Free [PPH+13]. mesh-volume [LN17]. Meshes [BLK11, BSH15, BHH10a, CK10b, CG17, CLL+13, DBD+13, DG12, EHA+19, GLLR11, HKA15, JBG17, JKLi18, JLW10, KSO10, KBK+10, KFA+10, LN17].
Meshing


Methods

HENfSYS16, HM15, HVVR18, HBO+10, Hua17, HAGO19, HSK14, HSK18, IGAJG15, ISYM15, JTRSI2, JG19, JYS19, KrJC+11, KKL16a, LGH13, LGM+18b, LS15, MEK17, NPDD11, NDG17, ÖKB10, PSC10, PC12, QWZ+19, RE12, SXV+11, SK17, SPBV10, SWG16, SWJS13, WFW+15, WWH18, WYF+19, WW11, WDR11, WZCF15, YL10, YBK+12, ZLM+15, ZWRH14, dfH+11, AKZM14, IMDN14, LN18, NW17, WJG+16, WXG+13. **Model-** [NPDD11]. **Model-Based** [DLHY12, SK17]. **Modeling** [ADMS18, ATCO+10, ATF12, BLP10, BSK+13, BŠMM11, BMR+16, BGS+12, CJFH14, CSLG10, CD10, CGS16, CRA+17, DCPN14, DBD+13, DGKK11, DSY10, EASKC18, FWX+13, GMM15, GPGB11, GGP+19, GG+16b, GLX+16, HK12, HBDP17, HSS17, HRS+16, HGA+10, JTSZ10, JTRSI2, JLL10, JPC14, JL18, KTKM19, KRM+15, KWM15, KSG+15, KPK10, KK11a, KUMY10, LT17, LKC+12, LOM+18, LG13, LLC10b, LSN+14, LLM+17, LSZ+18, LSWW11, LVV+15, LMPS16, LDY10, LCHB12, MLV14, MG+10a, MMO16, MWCS13, MWW12, NVH+13, NBA18, PdMJ14, PKS11, PBB+13, RC+17a, RJT18, SY12a, SSSSW13, STG16, SAG+13, SBM+10, SWS12, SKT+14b, SK+14a, TBTB12, UHT18, UTZ16, VWK+12, Vax12, WL10, WXR+16, WLJ+18, WLM13, WWS+15, XM15, XHC+18, YFW12, YLH14, YCWX17, YLD+18, YLX+16, ZTW+12, ZLY17, ZCL18, ZST+10, ZCF+13, ZWX19, GDAU14, GDGP16, PGVG19, RCM+14]. **Modelling** [AJC11, BŠMM11, BWK14, EPCV15, FW17, GGP+15, KK14, KFA+10, KK11a, KBT+12, LSWW11, LCM+18, MBMYR15, MMRO13, NMM+19, RKSA17, RMH+18, SM14a, STBB14, SPK+14, VAW+10, Vax14, WLZ13, WC16, YLG+18, YMS10, YLI+14, ZHQH17, ZWJ+19]. **Models** [Af12, ADRM18, ABCN10, BKD+17, BN12, CWGvW19, CRY11, CS16, CYC15, Cet19, CSaLM13, CP10, CP11, DLL+10, DMNV12, GWO+10, GRP10, HFE13, IGKM+16, JL17, KWM15, LMS+16, LWS+13, LSL+19, MWN+17, MCM+12, MG18, MG10, MCB16, MBT+12, MK15, NVH+13, ND12, PC12, PB10, PH13, RCM+16, SKR+14, STDK12, SLHC12, TRAW12, WMXC19, WD11, WC14, WXW18, XCDR10, YDP19, ZBM+17, ZHK15, ZR13, CBV+14, DF1M15, DSM14, HKM15, LSN+14, LEM+17, MWCS13, RLYL14, TPSH14b, CHW19]. **Modes** [NVT+14]. **Modifiable** [BMS+10]. **Modification** [KB12, LAS+11]. **Modifications** [DBD+13]. **Modified** [FM15, KSBC12]. **Modifying** [GVS+15]. **Molecular** [GSDG18]. **Modulation** [WHL10]. **MolecCollar** [BJG+15]. **Molecular** [BWH+11, Btu19, BTM+19, CDSS14, FSTR13, GRDE10, HVVR18, KFR+11, LKEP14, LPSV14, LMA+18, LBPH10, PJR+14, SAMG14, SKR+14, SLD+17, vdZLB11]. **Molecular** [KMM17]. **Monochromic** [LLC19]. **Monochrome** [AASB19, SB19]. **Monocular** [MD19, ZTG+18]. **Montage** [HHS14, GWO+10]. **Monte** [BMDS19, BEEM15, BRM+16b, BB17, DWR10, GMM18, HJ16, HJ13, HD14a, HB19, JEK+19, KS13a, KV+14, MG18, MJL+13, MIGM17, MGN17, NGHJ18, SHZD17, SMJ17, SÖA+19, VAN+19, ZHD18, ZJL+15]. **Monte-Carlo** [KV+14, MMG18]. **Morphing** [LGD12, SK17].

Named [EASG+17, SJB+17]. Named-Entity [EASG+17]. Names [KvLB14]. Nanometric [AAC+19]. Nanoscopic [LBH12a]. Nanostructures [DTS+14]. Narrative [MLE17, SH14a, ZH12]. Narrow [FAW+16, SWT+18, SDS+16]. Natural [BCD+13, DGK11, GPG11,
HT11, HZMH14, KRB11, NW13, PKS11, GGG+16b, JCT14. Naturalness
[SLCL19, VVE+10]. Naturalness-Preserving [SLCL19]. Nature
[BMWW14, DGR+14, HFM16, WJG+16, YGCO+14]. Navigating
[BBP10, HW10, PBK10]. Navigation [ACS+17, CLWM11, GRE11, LLB+10,
MSDK12, WBAI19, ZBM+17, LCMP19]. Near
[FDL14, FGT+16, KAS+19, NLB+13, TSB16, WLZT18, MM18]. Near-Eye
[KA+19]. Near-Instant [FGT+16]. Near-Isometric [TSB16]. Near-Wall
[NLB+13]. Nearly [SBL12]. Nebulae [WLM13]. Needle [HMP+12, KFR18].
Neighbor [KCL+18, PHL+16]. Neighbors [PM16]. Neighbourhood
[SL11, VS10]. Neighbourhoods [OW19]. NEREx [EASG+17]. Nested
[KP18, LWM+17]. Nesting [Jac17]. netower [SRG+19]. Nets [CLGS18].
Network [BBR+16, CDA+14, CLWM11, DAD+19, HZL9, JGH11, KAT+19,
LQS+19, MBRH18, MGM+19, NHI16, RG19, SRG+19, TXL+19,
WG+19, YZZZ18, YC19]. Networks [ACA18, BHRD+15, BK14,
BCD+10, BBJ+18, CBLW19, CLWM11, DP1F16, DGGK11, DRW15,
GGB+11, GLK16, GCW15, HGR+17, HHCJ18, JvdGMR19, KRD+19,
hKTL+17, KW+18, KG19, KB14, KF+19, LDB11, MSFM16, NAM+17,
NH16, NMSL19, PGS+16, POC19, RTJ+11, RMM15, RÖP18, SSK16,
SV14, SAAB11, SLCL19, SMB+14, TLFC16, UHT18, WLZ+19, XHW+18,
YS19, ZZ17, ZW16, BMM+15, OK13, vDHO16, LLLY19]. Neural
[hKTL+17, KW+18, KG19, MBRH18, NAM+17, POC19, RJGW19,
RG19, RÖP18, SM+17, TXL+19, UHT18, YZZZ18, YC19, ZZ17].
[HDF15, WHD17]. No [HCA+12]. No-Reference [HCA+12]. Node
[BHR17, GEY12, SS+16, SBD+15b]. Node-Link
[BHR17, GEY12, SS+16, SBD+15b]. Node-Link-Group [SS+16]. Nodes
[SAAB11]. Noise [BLV+10, BB17, FLJ+14, GLM17, GC1A3, HB19, KS11,
KS2a, KS3a, LL+10a, MIGM17, PCX+18, RRS16, WD14,
WYK17, YG+14, CG+12]. Noise-Adaptive [GC1A3]. Noise-Aware
[WD14]. Noisy [FLJ+14, GLK18, KJT14, OW19, WZC13]. Non
[ABG+12, BPV11, CRZ10, CYY+11, CGB13, CCL12, CJ+19,
GSTG16, GO+15, HHCJ18, JCW11, KSBC12, KPK10, KBT+12, LA11,
LZL+15, LZF+18, LMPD15, LRB+16, LXF+11, LW+11, MJBC13, MRL10,
OHG11, RAMG15, SM+1a, SKZ13, SSB13, SSJ+10, TMRL14, TBKP12,
USSK11, VVC+11, WNS+10, WT11, XCD10, YKM12, YLL15, ZYF13,
ZST+10, ZFJ+16, RSS12, XYY+18]. Non-Circular [KBT+12].
Non-Constant [CRZ10]. non-homogeneous [RRS12]. Non-Isometric
[GSTG16]. Non-iterative [MRL10, TBKP12]. Non-Linear
[LA11, LFW+11, LW+11, SSB13, MJBC13, RAMG15]. Non-Local
[LZL+15, LZF+18, SKZ13, ZFJ+16]. Non-Oriented [CGB13].
Non-parallel [HHCJ18]. Non-Periodic [SM14a]. Non-Photorealistic
[ABG+12, CYY+11, JCW11, LMPD15, USSK11, VVC+11, WT11, YKM12,
SSJ+10, WNS+10, XCD10]. Non-Rigid
[LRB+16, OHG11, TMRL14, ZYF13, BPV11, YLL15, ZST+10, XYY+18].

Object [BSL18, CKS15, DS11a, DZC11, EBGM12, GCZ12, GTK12, IKL10, IEH14, KFW19, LSF11, LDGN15, MBM13, MPM14, MSAP15, MCG19, MRS12, PS10, SSB13, SJWS13, WYP19, XXY18, YCL17, ZZWC16, ZCK17, ZZX17, JCT14]. Object-Centered [CKS15].

Object-Space [MRS12]. Objective [TAEE16]. Objectives [SPF19].

Objects [ATO10, Att15, ATF12, BvTH16, EDPB15, FCS16, GPG16, HK16, HCSC16, Jac17, JZYP18, KKB16, KKSS15, KMHG13, KKPL19, KS2b, LPH15, LAFT12, LTR19, MCHW18, MGG10b, MMO16, PDP15, RAM15, TXGW19, UTZ16, WWH10, WXL11, WK12a, WDT17, WWT16, WW11, YH13, ZX10, NW17, ZK16]. Oblivious [SSE14, DLL10]. Obscurance [Tim13]. Observation [BRB13].


Online [AWCO10, JKJ18, RWW16, S17, WHS18, XXY18, ZZZ19].

Ontological [CE19]. Ontology [FW17, XW13]. Ontology-Based [FW17, XW13]. Opacity [GSE14b, GTG17, GRT14, WZC11].

Opaque [IPK13, WWT16]. Operations [HI18, KCH19, LMM10].

Operator [ABCC10, BEKB15, GRT18, HS19, KKB18, LJC17, MEMO14, PP18, QCW18, HP11]. Operators [BNH16, BEKB15, BUK10b, EWMU13, HCO18, JTSZ10, MBD15, UMM10, YH10, YDT18].

Opportunities [DAF18]. Optical

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BJFadH19, BB12b, CCL10, CG12, CACB18, DKL10, DGQ+12, DMSL11, DvKSW12, FHHJ18, GCSA13, GKOM18, HCD18, JBG19, JK13, KS11, KS12a, KJME12, KTO11, KJT14, LA13, Lar10, LK19, LCG10, LK19, LGW18, MEMO14, MW11, MBR+13, MC17, MAM14, MSS+10, OMMG10, PCLS16, QCW+18, RL14, RDK13, RÖG17, RÖPG18, SPB+19, SJ19, SYM10, SSG17, SSW14b, SCQ19, TOZ11, TLH19, WYZC13, WHB+13, WXL+13, WMB15, WXW18, YGJ+14, YLY+16, ZCBK12, DCV14, Kur15, NGM14]. Point-and-Swipe [LCG10].

Point-Based [BB12b, KTO11, WMB15, NGM14].

Point-Cloud [RDK13, SHS13].

Point-Folding [ZCBK12].

Point-Light-Based [DKL10].

Point-Sampled [AP10b].

Point-to-Point [LK19].

Pointcloud [MAM14].

Pointerless [LMP+10].

Pointillism [WTLL13].

PointProNets [ROPG18].

Points [COO15, CCM16, EMA+13, FDL14, GST14, GTG17, HTG14, LS16, MS13, OM13, SSW14b, TM13, WRS+13, ZSW+10b, vKvLV11].

Pointsets [MDD+10].

Pointwise [RMC17].

Poisson [LS10a, EMP+12, HLL+12, Kaz15, WMRSF15, Yuk15].

Poisson-Based [LS10a].

Poisson-Disk [EMP+12].

Polar [CLCL11, MM19, MR12, SYT+13].

Polycube [CLS16, CAS+19, ZLW+19, FBL16, GSZ11, YFL19].

Polycube-based [CAS+19].

PolyCube-Map [FBL16].

PolyCube-Maps [YFL19].

Polygon [DBK11, HKA15].

Polygonal [CK10a, CK10b, CG17, KYM19, MRD12, MR12, MEKM17, SFP+15, WDZ+17, YMM10, YI10].

Polygons [HKA15, KP15, RRP15, ZJC13].

Polyhedra [HL19, MVPG11].

Polyhedral [KFA+14, Vax12, Vax14].

Polyline [XLS+14].

Polyline-sourced [XLS+14].

Polymers [AAS+16, RPK+12].

Polynomial [HHH12, MS13, MRS18, NBHN17, PPL13, XZT19].

Polynomials [DVPSH14, SHD16].

Polytopes [AGJ12].

PolyVector [DVPSH14].

Poorly [VSG+13].

pop [RLY+14, LJB13].

pop-up [RLY+14].

Popular [SLC+19].

populating [JPCC14].

Population [MKMA19].

Populations [SCD+16].

PORGY [PMD12].

Porosity [RPK+12].

Portal [BNJ15].

Portal-Masked [BNJ15].

Portrait [SHJ+16, WWL+13, ZCC14].

Portraits [BAAR13, CZZW12, LCC+18].

Pose [DLL+10, ESKT15, HFE13, LJJ+18, LLD10, NBA19, VF14, vMRBPM17, CH12].

Pose-oblivious [DLL+10].

Poser [vMRBPM17].

Poses [KL14].

Posing [LWX+15].

Position [ATO17, BMO+14, CET19, DKWB18, FP15, RF15].

Position-Based [ATO17, BMO+14, CET19, RF15, DKWB18].

Positional [PRW11].

Positioning [ACS+17, TAP+16].

Positive [KASH13].

Positive-Definite [KASH13].

Possible [CG16b, CKS+15, SBCBG11b, WCX+13, YMYK14].

Post [AVR10, MRD12, RWS+10].

Post-Capture [AVR10].

Post-Interventional [RWS+10].

Post-Process [MRD12].

Power [ACKM16, DHI+15, ZOA+18].

Power-Aware [ZOA+18].

Practical [ACKM16, BBGB19, CHK13, CBTB16, GBW16, HKW12, KK18, LE13, LMG+18b, LCDW16, MG1N17, NSR17, RGSK10, SFL19, TPC+10].

Practice [CBK+17, MTVJ11].

Pre [LWLD11, SNRS12, LN17].

Pre-computed
[LWLD11]. **Pre-convolved** [SNRS12]. **pre-filtering** [LN17]. **Prealiasing** [VCRG14]. **Precise** [TBP18]. **Precision** [Jac19, KCL+18, MRS12].

**Precision-Cut** [Jac19]. **Precomputed** [CRC+15, LPK13, SBE16b].

**Precomputing** [HR10]. **Preconditioning** [CBSS17]. **Predict** [BKMc+19, CHM+13]. **Predicted** [SGYF11]. **Predicting** [FVHK17].

**Prediction** [BPFG11, CH11, FKRW16, HJM+11, RCMM+16, TsdkSK13, ZCL18].

**Predictions** [CMF18, HENISYS16, HBRW+12, LGH+17, OVB+15, SKZ11, SO10, HNJ+14].

**Predictors** [VS10]. **Preferences** [KLK17]. **Premixed** [OLF+14].

**Preparation** [ZLDM16]. **Preprocessing** [BHR+19]. **Prescribed** [BKB+12, GLK16].

**Prescription** [vdCAvW14]. **presence** [TSK14].

**Presentation** [CKE+12]. **Presentations** [KLK17].

**Preservation** [LPG10, NO17, NMR+18, VRBC17, ZR13]. **Preserve** [Jac19, XCDR10]. **Print** [VGB+14b]. **Printable** [BLS+17, ZKGW16].

**Printed** [Jac19, XCDR10]. **printers** [RCM+14]. **Printing** [ADMAS18, HLI4, KFW19, PPW18, RCM+14, RLYL14, WCT+15, WZK16].

**prints** [HLI4, LEM+17]. **Prior** [KTS+11]. **Priorities** [KKS+17]. **Prriors** [RXX+17].

**Prism** [SJ13c]. **Prisms** [HHGJ15]. **Privacy** [CMW19, DCK13].

**Privacy-Preserving** [DCK13]. **Proactive** [LCM+18]. **ProactiveCrowd** [LCM+18].

**Probabilistic** [AGR19, Beld13, BLD14b, DPD+17, HJS+17, PPH12, PRDD15, PWH11, RLGH15, SMH10, SS15b, Lie17]. **Probably** [KLAB15]. **Probe** [BMS+10]. **Probe-Based** [BMS+10]. **Probes** [CLG+18, MJK17, MS16].

**ProbExplorer** [SMH10]. **Problem** [BMS+10].

**Problems** [RS19]. **Procedural** [BSJM11, BKMc+17, BP13, CPFG19, DGGB11a, DBLW15, EPCV15, GMM15, GPMG10, GPG11, GKH14, GD10, GDG12, GPG+16, HWA+10, HSS17, Hua17, IMAW15, KWM15, KKS+12, KS18, KPK10, KKN1a, KMK12, KBK13, LLL+10a, LLD12, LLM+17, LSWW11, LSL+19, LVB17, NGDA16, NBA18, PDG+19, RJT18, STBB14, SMB+10, SPK+14, VKW+12, WCGG18, WC16, XM15, YB18, GGP16, LS+14, DCNP14, JPCc14, LSN+14, MVLS14, SKK+14a].

**Process** [KK17, MRD12, MJK11, SBD+15b].

**Processes** [EWK+13, Gda17, OAM+18, MSW19]. **Processing**
Raytracing [GPP+10, LCD10]. RBF [KWN+14].
Re [LWL+16b, ZHD18, TAAP+16]. Re-Compositional [LWL+16b].
re-positioning [TAAP+16]. Re-Weighting [ZHD18]. Reactions [LPSV14].
Reactive [SHS+16]. Readability [APP+10]. Reading [CKH+19, MRL+17, OAJ+14].
Ready [HBLB+17]. Real [ATK+17, AMT+12, BSW+10, BPA+16, BHW+11, BM+15, BLW+11, BN+10, BN+12, CRC+15, CCI+13, DER+10, FZS+19, GO+10, GMAG+15, HML+19, HCB+19, HREG+11, HKSK+18, IGM+16, ISYM+15, IFDN+12, JKL+10, JKL+13, JSLW+14, JZYP+18, KMHG+13, KSC+19, KMB+17, KGK+19, KK+14, KYN+19, LDdLRB+16, LMP+13, LKEP+14, LE+13, LCC+17, LCP+12, LDGN+15, LDL+10, LJH+13, LTR+19, MD+10, MR+18, MW+11, MBM+13, MB+15, MC+10b, MPBM+17, NKL+10, NKF+16, OT+11, PDP+15, PBK+10, RHL+12, SPB+19, SWP+11, SYM+12, SBD+15a, SM+14b, SEM+16, SDHD+17, TST+15, Tok+15b, VVE+10, VWH+18, WWH+10, WMB+16, WRK+16, WWH+14, XLL+10, XWZB+17, YHGT+10, YLY+17, YWY+10, ZZZ+15, ZFE+16, ZM+16, ZJR+15, HNJ+14, RTK+14, WJG+16, EHH+19].
Real-Time [ATM+12, BSW+10, BPA+16, BM+15, BLW+11, GO+10, GMAG+15, HCB+19, HREG+11, HR+10, IGM+16, ISYM+15, JKL+13, JZYP+18, KMHG+13, KSC+19, KMB+17, KK+14, LDdLRB+16, LMP+13, LKEP+14, LE+13, LCC+17, LCP+12, LDGN+15, LDL+10, MD+10, MO+10, MB+15, MC+10b, MPBM+17, NKL+10, NKF+16, OT+11, PBK+10, RHL+12, SPB+19, SWP+11, SYM+12, SBD+15a, SDHD+17, TST+15, VWH+18, WRK+16, WWH+14, XWZB+17, YHGT+10, ZZZ+15, ATK+17, BN+10, BN+12, CRC+15, CCI+13, DER+10, HSK+18, IFDN+12, JSLW+14, KG+19, KYN+19, LCC+17, LJH+13, MR+18, NKL+10, SM+14b, SEM+16, Tok+15b, WWH+10, WMB+15, XLL+10, YLY+17, YWY+10, ZFE+16, ZM+16, ZJR+15, HNJ+14, RTK+14, WJG+16, EHH+19].
Real-World [LTR+19, PDP+15, FZS+19]. Realism [BKG+17, LCC+18]. Realistic [ARB+18, ACV+14, BN+16, BN+10, BN+12, DK+14, GMM+15, GLH+13, HČA+12, JR+11, KOS+15, LJ+12, MGG+10a, MM+18, NID+16, NDD+14, SHSK+16, SKZ+11, WWT+16, WW+11, XLL+10, ZCT+18, ZHK+15, HD+14a].
Reality [AJL+11, BBC+10, CSA+13, CKE+12, GTB+13, KKK+18, KAS+19, MS+10b, MK+11, PTW+13, RGS+10, SP+13, SYC+10, YJD+18, KBG+15].
Realtime [BS+19, CPZ+15, KBK+13, XWB+15, YL+12]. Rear [CSC+18].
Recognition [DLGY+12, SBJ+17, SRG+16, ZDJ+16]. Recognition-Difficulty-Aware [ZDJ+16]. Recoloring [HZM+14, HWL+18, KKL+16a, NPC+17, WLX+19].
Recolourization [DR+10]. Recombination [JTR+12]. Recommendation [WLL+17]. Recommendations [CLW+11, GOB+10, LCSS+19, RAMG+15].
Reconstructability [JWC+11]. Reconstructing [BS+18, RK+10].
Reconstruction [AT+12, ACV+14, BPW+14, BEEM+15, B+17a, BL+11, B+14, CT+11, CD+10, CCL+10, CWW+11, CL+11, CCA+14, C+16, DLS+10, DG+12].
DMAL10, DFY14, ECN14, FEM+19, GS14, GCSA13, Gro16, GZH+19, GLLR11, HTG14, IKI+10, IEK+14, JJKL18, JSLW14, KBO+14, LA13, LDGN15, LEE17, LCD10, LTX+14, MSS11, MVZ16, MPM+14, MC10a, MKU15, MRL10, MWW16, MDD+10, MVH+14, MMP16, MWA+13, NHC14, NJGW15, NDD14, NJC+19, OW16, PM16, PPT+19, PSDB19, PKG10, RWW16, RLH+18, RI17, SYM10, SKZ13, SSW14b, SBCBG11a, STC+16, SMG10, TOZ+11, WLT12, WY13, WXL+13, WGS10, WCM15, XSL+14, XSX+14, YKL+17, YHL+16, ZFG+17, ZZZ+19, ZHK15, ZTG+18, ZSG+18, ZJL15, dGCSAD11, vKvLV13, YGCO14].

Recording [WLI12, SBB14].
Records [RCB11].
Recovering [BCD+13, BEKB15, PH17].
Recovery [ACKM16, AP10b, DZCC19, RMC17, WGH+19, HNJ+14].
Rectangles [UFK13].
Rectification [ACOM12].
Rectilinear [MAG19].
Recurrent [SBL12, TXL+19, YYZZ18].
Recurring [ZCOAM14].
Recursive [GO15, RS19].
Redirection [WBM+18].
Reduced [BNH+16, CGH18, FMD+19, MKU15, SO12, YWHB18, ATW15].
Reducing [GL10b, HF16].
Reduction [LS10a, LMG+18a, LPG13, MIGM17, PSPM12, RGG15, RL15, XSE14].
Reevaluating [RI17].
Reference [BKM+16, BPSW14, HCA+12, KG19].
referred [vGPNB17].
Refinement [DRM19, DLS10, DS11b, HMB17, KP18, UKCB15, VK18, ZWRH14].
Regional [FHHJ18, SSM12].
Regional [LKEP14, MM19, MRM+18].
Register [VH15].
Registration [ABCI10, BCK18, CTL12, MAM14, PR19, PB11, PD16, SM10, SO12, TST+15, TF15, XYY+18, YLLL15, YMYK14, ZST+10, HDV19].
Regression [BRM+16b, JL17, PBK10, SML17].
Regression-Based [JL17].
Regression [DTV15].
Regular [AYLM13, CG17, CBLW19, PRS15, WHWB16].
Regularization [BD14, JC19, K13, OLA16, RPWO19, ZFJ+16].
Regularized [RMC17].
Regularizing [MVZ16].
Reinforced [AAS+16, RPK+12, LZY+17].
Reinsertion [MB18].
Reinterpretable [AVR10].
Rejection [DWR10].
Relating [HMW+15].
Relations [ASB+17, BSW+14, XDC+13].
Relationship [EASG+17, LXFW11].
Relationships [BHR17, BSW+14, CTL13, HRD+15, JKL18, KWD14, KGM+10, PMD12, VM12, WDM+12, YWS+14].
Relativistic [JMV+15].
Relax [LBRM18].
Relaxation [KKBL15, SJ3b].
Reliable [LA+12].
Reliable [KBT+12, SCQ+19, WLT+17]. Relief
Ano12e, Ano12f, Ano13f, Ano13g, Ano13h, Ano13i, AJL+11, BCRA12, CSLG10, DS11a, DFIM15, GGG+16a, ID10, IC11, KRP+15, KBG+15, Kuh12, LSF+11, LF11, Pat16, PGGM10, PS10, SJ13c, TDS+16, TAAE15, VCD+16, WWS+15, WBP11, ZJL+15, Ano12f. Repositioning [IEH+14].


Results [MW18a]. Retailoring [CR16b]. Retargeting [AMYB17, ARB+18, BB12a, BMS+12, CYC15, GTK+12, HCSC16, JKL18, LLX+11, PWS12, RKGS18, RSD+12, WBSH+13]. Retinking [YLT19].


Reviewers [Ano10d, Ano11f, Ano12g, Ano13j, Ano14d, Ano15], Ano16m, Ano17k].


Rigging-Skinning [LCY+19]. Right [AKMM11]. Rigid [Aan18, BET14, JKJL18, KLAB15, LRB+16, MS11b, NL18, OHG11, PKS10, TMRL14, TF15, WCX+13, ZYF13, BPVR11, YLLL15, ZST+10, XXY+18].

Robot [LMPD15]. Robotics [RPA15]. Robust [ARB18, BEEM15, BPVR11, BM12, BM16, CK10b, CFS14, HDL11, HL13, HZN18, JWH19a, JG19, JMD15, KD13, KG19, KO19, KPG16, KJT14, LK13, LW16b, LGZ16, MYGY19, MJL13, MDD10, PWS12, RBC14, RMZ13, SXY11, SJ3b, TST15, Tak19, TE18, VSG13, VVP16, WTTM15, ZWC10, ZYF13, ZNZ19, ZR15, ZVE14, dGCSAD11, LCLJ10].


Scalar-Valued [HW10]. Scale [ADMAS18, ABCN10, BHP15, CIE+16, CBC+16, DZMSL11, DSH+17, DWT+11, GLCC17, GLK16, HSBW13, JLKL16, KS18, KHI+19, LS10b, LSS+12, LCB+18, LBH12a, MGB+12, MDI+18, MHDG11, SY12a, SM11, SPH11, SR14, SLXS19, TLW+19, TBP18, WWL+19, WSSC11, WDAH10, WAF+11, XSXM13, ZC18, CD10, DJM12, GDAU14, GDG12, HL13, LN17, MJBC13, MPM+14, NGM14, PTA+11, SMM13, TXL+19, YLHQ14, ZBQC13].


Scatterplot [CSG+18, LCSS19, LAE+12]. Scatterplots [AASI19, FH18, HBW11, KZZM12, RB10, SBL17, SGG16]. Scene [ACS+17, BSK16, CSC+18, CGS16, GGG15, HZZ11, KLTZ16, KMLE19, LTX+14, LMF15, SLC+19, VBHH13, WKM15, XZP+13, ZZZ+19].

Scene-View [KBLE19]. Sceneries [MGG+10a]. Scenes [ASH15, BHMT13, BSB+16, EPCV15, ENSD12, GS14, GTK+12, GPG+16, HSC16, IFDN12, JVS+12, KBWS13, LMF15, MGG+18, MC10b, NPDD11, NSRS13, PSC10, RKRD12, REH+11, SLH+14, TSdSK13, WXL+13, WGI2, YCW+10, ZCW+15, ZLYL17, ZBW11, vKvLV13, GGG+16b, KGB+15, JL19].


Second-Order [GRT19, KASH13, LPG13, ORT18, SK16a, MRL10]. Section [AJA11, DPW11, DS11b, FWPS11, GSS12, HP11, KP11, LA11, MVPG11, Mér11, NBCW+11, NRP11, OHG11, PB11, Rus11, SY11, SBCBG11b, TOZ+11, VP11, WBCGH11, WSC11, dGCSAD11, vKvLV11]. Sections
[KBT+12, SSLL14, DMNV12, HHCJ18]. **Security** [MSFM16, SMvdWvW15].

**Seeding** [ELM+12]. **Seeds** [HB19]. **Seen** [GTK+12]. **Segment** [SMJ17].

**Segmentation** [BLVD11, BPVR11, BIZ18, DSWH17, FMH16, HMTH13, HPH10, HFL12, IY10, IYS+13, Jac17, JWL+13, KWOG18, KJT14, LT17, LMW+19, LWL+16b, LCHB12, NW17, NSS+12, RBC14, RMG18, SMH10, SHJ+16, SHS13, STP17, SFLP18, TWS+11, VGB14a, XXLX14, XSS+14, YC19, YLX+16, ZWC+10, ZT10, ZVE+14, DFIM15, VF14, ZZCJ14].

**Segmented** [JJKL18, NW17]. **Segmentifier** [DRM19]. **Segments** [LLW12].

**Seidel** [Cet19]. **Select** [SV10, SLC+19]. **Selecting** [LAE+12, LFK+13, WGK+19]. **Selection** [BSY+19, BvLBS11, ESRT13, FE17, HREB11, hKTL+17, SPSK13, TWC+16, ZC18, GTB14]. **Selections** [MGB14]. **Self** [AAB+10, ACOHS18, BBAM12, CK10b, CZY11, DCV14, KNL+15, QWZ+19, SJP+13, SWS12, TW10, WLT+17, WC14, YLD+18, LN18, RR12].

**Self** [CK10b]. **Self-Adaptive** [CZY11]. **Self-augmented** [YLD+18]. **Self-Collision** [WLT+17, WC14]. **Self-Intersecting** [SJP+13]. **Self-intersection-free** [RR12].

**Self-Organizing** [AAB+10, SWS12]. **Self-Shadowing** [TW10, LN18]. **Self-similarity** [ACOHS18, DCV14]. **Selfie** [LWL+16b]. **Semantic** [BDF+14, HMW+15, HZL19, JJKL18, KWOG18, PTT+12, SMI15, WPW+11, ZZZ+19]. **Semantic-aware** [HZL19]. **Semantic-Preserving** [WPW+11]. **Semantically** [JBM10, JJKL18, LFK+13].

**Semantically-Resonant** [LFK+13]. **Semantically-Rich** [JBM10]. **Semantizing** [BHMT13]. **Semi** [ABCJ10, AYLM13, AW13, ER18, GSE+14a, KvLB14, KSD+14b, LLN+14, LCHB12, MKP+16, MC14, MEKM17, NBMJ14, PSPM12, PRS15, RLMB+14, SD10a, SKZF11]. **Semi-Analytic** [NBMJ14]. **Semi-Automated** [LLN+14]. **Semi-Automatic** [GSE+14a, KvLB14, MEKM17, MKP+16]. **Semi-Implicit** [SKZF11].

**Semi-isometric** [ABCJ10]. **Semi-Lagrangian** [AW13]. **Semi-Regular** [AYLM13, PRS15]. **Semi-sharp** [KSD+14b]. **Semi-Stochastic** [SD10a]. **Semi-Supervised** [PSPM12, LCHB12]. **Semi-Transparent** [ER18, MC14, RLMB+14]. **Semiautomatic** [ZH14]. **Semidefinite** [HG13].

**Senescence** [KRB11]. **Sensing** [KOHO13, WBAI19, XSE14]. **Sensitive** [BSAP11, SBS+17, GGM12]. **Sensitivity** [BMPM12, DW13, NWHWD16].

**Sensor** [BCN11a, CD18, SBM+14, WZ15, CACB18]. **Sensor-aware** [CABC18]. **Sensor-based** [CD18]. **Sensorimotor** [HL18]. **Sentiment** [KPK18]. **Separable** [JZJ+15]. **Separate** [CH12]. **Separated** [BMB15b]. **Separation** [GOPT11, GT15, STMT12, WLN+17]. **Separatrix** [GSW12]. **Sequence** [BH17, CFB16, CWM19, YLL15]. **Sequences** [AECOK16, CKK18, DH16, GRPF16, HKL17, KR19, KCJM16, LVV18, LKD+17, PCDS12, PCX+18, SCD+16, SWG16, YLX+16, CH12]. **Series** [AKMM11, ARH12, BHR+19, BBL12, DH16, GRPF16, HJM+11, KCJM16, MLD+18, SAAF18, SWG16, SBM+14, TFA+11, WGL11, vDvdEvW19, KWS+15, LRB+15, RL15]. **Serious** [MTVJ11]. **Session**
Set
Set-based
[KTW13].
SetCoLa [HBH18].
Sets
[BDF14, BSW14, BM12, BTB13, CG12, DQG12, DMSL11, GCSA13, KS11, KS12a, KWS16, MBR13, NSM19, RGM18, RL16, SBG17, SvW13, SEG14, Yuk15, GRT14].
Setup
[ARG16].
Seurat [WTLL13].
SfM [WKM15].
shade.js [SKSS14].
Shaded
[Jes16].
Shader [CTHAM10, MRD12, RPLH11, YB18, YWHB18].
Shaders
[DBLW15].
Shading
[ABG12, BBDA10, DZCC19, ENSB13, FC10, GRDE10, HSS19, KB12, LTKD15, NAM17, SBF15, SPBV10, TH17, WJB13, ZM16, AHTAM14].
Shading-based [DZCC19].
Shadow
[AHMAM15, BBH13, BKB12, DVP19, FXW13, GMAG15, KSCN19, LSM15, MWS16, MSWI12, MI14, OPP10, REH11, SVLL10, SBE16a, SWP11, SDMS15, SGYF11, SFY13, TIK17, WLX19, XLT13, XSM13, XZCS13, YDF10, ZZLX17, BBAM12].
Shadows
[AHMAM15, BBH13, BKB12, BBAM12, HBA12, TW10, YIC12, ZCBK12, LN18].
Shadows
[BBH13, BNJ15, KPD10, LSM15, MAAG12, NKLN10, NPW10, OPP10, SVLL10, SBE16b, SDMS15, SFY13, SARZL10, Tim13, WZKP14, YHGT10].
Shah [BCGL18].
Shake [WYD13].
Shallow [PHTB12].
Shape
[AWO10, AYLM13, AGCO13, ATCO10, AKZM14, AKM16, ADG19, BLP10, BSK13, BDC18, BWM11, BD12, BCGS13, BCB16, BMM15, BEKB15, BDS12, BHMT13, BvTH16, BBP10, COO15, CRA17, DDO17, DBD13, DMS14, EDBP15, ELC19, ESBC17, EBC17, FHE19, FSTR13, FCS16, GSGD18, GLHH13, GCLX17, GL12, GCSA13, GWJ15, GKM18, HCW17, HBA12, HPH10, HFL12, HSvK18, HG13, HKM15, HO17, HCO18, HAGO19, JWS12, JTRS12, KWS16, KP18, KTKM19, KSO10, KKS15, Kim15, KFLCO13, KO19, KBB13, KNH18, KRS13, KSKL13, LA13, LT17, LGH13, LMP13, LKEP14, LJ12, LJJ18, LRBB17, LPG10, LVW15, LGZ16, LJCL17, LCHB12, MCH13, MGG10b, MBG12, MSAP15, MGB12, MRCB18, MBT12, MWCS13, MEKIMG17, MSC14, NBCW11, NNRS15, NC16, NO17, OLA16, OML13, OHG11, OMPG13, PB11, Pat16, PPT19, PBB13].
Shape
[PS018, RLGH15, RBRY19, RÖM15, RKN10, SY11, SY12a, SY13, SY14a, SY14b, SXY16, SBC14, SGB13, SBM10, SJW11, SJW13, TBW11, TTB12, WXL11, WK12a, WLL17, WG11, WMPZ12, WSSC11, WDAH10, WYY13, WZCF15, XXL14, XSS15, XSS14, XM15, XHK17, XCDR10, YFW12, YL11, YLH14, ZWC10, ZDZ15, ZLW19, ZST10, ZT10, ZFCO11, ZCOM13, ZCOAM14, ZHH15, ZXTD10, ZLW15, vKTS11, vKZHC011, CH12, DFTM15, GFK19, LBBC14, NW17,
ZKWG16, vKvLV11, LGZ+16. **Shape-appearance** [NNRS15].

**Shape-Aware** [JWS12, LGH13]. **Shape-from-Operator** [BEKB15].

**Shape-Up** [BDS+12]. **Shaped** [KS12b, NS11]. **ShapeGenetics** [HSS17].

**Shapes** [ARB+18, Ati15, BPVR11, BS12b, BEKB15, CJFH14, COO15, CD10, EBC17, GStOG16, HCGW14, HMW+15, HFL12, HAG019, JLIW10, KLMK19, KFLCO13, LcSL18, LK19, LZW+13, LGK16, LMHH14, LMPS16, MCH13, OBCCG13, RXX+17, RBC14, SY14b, SGS14, STC+16, SCF10, SDKG18, TTB12, WHH+10, XSS+15, YFW12, YWM15, YLLL15, ZHH+15, ZZCJ14, dGCSAD11, BMM+15, KP11, MWCS13, TWMSK18]. **ShapeSynth** [AKZM14].

**Shaping** [BDS+12, MRL+17]. **Shared** [GO10, HMW+15, Ros13].

**Sharing** [CCC+14]. **Sharp** [AMS16, BW13, BM12, CJXH17, KSD14b]. **Sharpening** [TM13]. **Sheet** [Tak19]. **Shell** [LZY+17, ZLW+16, ZXZ+17, YCWW17]. **Shells** [AWO+14, DH14, FB11, HRWW12, HRS+14, HZR18, KSD14b, PTP+15, UMK19]. **shift** [XL10]. **Shifted** [BSH12]. **Shifting** [ST18]. **Shiny** [BCRA12]. **Shock** [PK15].

**Shortest** [BLP10]. **Shot** [KBHM15, CKL14, MSZ+18]. **Shoulder** [HPH10]. **Shutter** [CKL14]. **ShutterApp** [SBE19a]. **SI** [WDM+12]. **Sickness** [HL18].

**Sided** [SS15a, TPSH14a, VSK16]. **Sifted** [EMA+13]. **SIGGRAPH** [CSLG10, LSF+11, PS10, DS11a, ID10, IC11]. **signal** [SD10b]. **Signals** [GO15, CH12]. **Signature** [DLL+10].

**Signatures** [COO15]. **Signed** [CT11, CSS18, MRL10, SFFP15]. **Significance** [BRDC12]. **Signing** [MDD+10]. **Signposts** [MSDK12].

**Silhouette** [CSD11]. **Silhouette-Aware** [CSD11]. **Silhouettes** [NBMI+14, STC+16]. **Similar** [CG16b, WLL+17]. **Similarities** [HCDC18, SMB+14]. **Similarity**

[ARRO+17, BCBB16, BM10, CG16c, FL19, GAWJ15, GLGW12, GTB14, PB11, PR12, SW17, TWC+16, ACOH18, DCV14]. **Similarity-based** [GTB14]. **SimilarityExplorer** [PDW+14]. **Simple**

[EMP+12, KZB19, PM16, Ren16, VSK16, LCLJ10]. **SimpleFlow** [TBKP12]. **Simpler** [NB12]. **Simplex** [MRS18, WD11]. **Simplicial** [LS16, MS10b, RL14, YS19].

**Simplification** [CLS16, CHWL19, CP10, DC10, JWH19a, KWS16, KRM+15, MG10, RGG15, SSLL14, YWVB18, dGCSD11, TPC+10]. **Simplified** [TE10]. **Simplifying** [MMG10]. **SimSelect** [GTB14]. **Simulated**

[BAAR13, EWK+13, GP12, LE13]. **Simulating** [MRD12, RKN10, ZCT18]. **Simulation**

[AO13, BSK16, BS19, BET14, BMO+14, Cet19, CC14, CZY11, CKHL11, DCCG11, EWK+13, FAW+16, FM15, FMD+19, FHW+11, GBW16, HBLB17, HL18, HLL+19, HJS+17, IUDN10, JPK13, JL18, KPNS10, KR11, KS18, KBB+17, LeYO+10, LWPL15, LMG+18a, LL18, LCY+19, LCM+18, MR17, MGG+10a, MKMA19, MMG18, MBT+12, MSGT18, MGNI7, MPBM+17, MESG11, NIGH18, OLF+14, PPG+19, PBK10, RHLH18, RKN12, SCN+16, SJ13a, SWML10, SHCB15, SKK10, SM14b, STBG12, SKWL13, SDHL11, TTN+13, TWZD14, WJDZ14, WWF+18, WMRSF15, WHT12, WHP+11,
WLZ13, WAF+11, WYY13, WWD15, WCH+15, XZP+13, YLHQ14, YMj+17, YBK+12, YWTY12, YPL19, ZTW+12, ZLM+15, ZLYL17, ZZ17, ZLW13, ZYF10, dHvPJ14, BHT19, DMCN+17, LJK+12, YLCh18.

**Simulation-Ready** [HBLB17]. **Simulations** [ATW15, BTM+19, CFSh14, CBKK+19, FKE13, FAW+16, JKJL18, KAT+19, RGG15, SWT+18, SHQL18, WTYH18, WGO+14]. **Simulator** [KTN10, SSB13]. **Simultaneous** [ESKT15, ZBW11]. **Single** [ARM+15, BCN11a, CKL14, DD+17, DSY10, EHT18, EIKM16, ECN14, HFM16, HPvU+16, Hol15, IEH+14, IEK+14, IEKM16, IRWM17, KTKM19, KrJC+11, LVV18, LSZ+18, LCD10, LMGH+13, MWS+16, MES+11, NBA18, OAO11, PSP10, SM11, SPT14, YXHH18, YLD+18, YLH+14, ZCW+15, ZCF+13, YGCO+14, HRRR18]. **Single-Cell** [HPvU+16]. **Single-Image** [LVV18, HRRR18]. **Single-Pass** [LCD10]. **Single-shot** [CKL14]. **Single-View** [KTKM19]. **Singles** [vdEvW13]. **Singular** [DGQ+12, KSBC12]. **Sit** [LBMR18]. **Site** [LPG19]. **Situ** [BAA+16, SEI10, AAS+16, WAF+11]. **Size** [KGR+16, MW18b, She12, YYZZ18]. **Sizes** [XGDC17]. **Skating** [YPL19]. **Skeletal** [LLSC13]. **Skeletex** [MRM+18]. **Skeleton** [KMS+13, KFA+14, LMPS16, MRM+18, MVPG11, NB15, TE18, WMXC19, ZST+10, ZHH+15, Kur15]. **Skeleton-based** [KMS+13]. **Skeleton-Driven** [KFA+14, LMPS16]. **Skeleton-guided** [WMXC19]. **Skeleton-Intrinsic** [ZHH+15]. **Skeleton-texture** [MRM+18]. **Skeletons** [LW17, TAOZ12, TDS+16, TBTB12]. **Sketch** [FCS+16, HMTH13, LCC+18, LG13, LWX+15, NSS+12, SX+11, SAG+13, TCGK15, WLL+17, YXHH18, ZLDM16, CSLG10, XMM+13]. **Sketch-Based** [HMTH13, SAG+13, WLL+17, LWX+15, SX+11, CSLG10]. **Sketch-Driven** [TCGK15]. **Sketch-to-Design** [XXM+13]. **Sketches** [ADN+17, BSCH18, GLX+16, ZLDM16]. **Sketching** [BLP10, KNH+18, LG13, SLE17, Sch13, SAG+13, WHC15]. **SketchSoup** [ADN+17]. **Sketchy** [KÖS+15]. **Skies** [HCBW19]. **Skiing** [HLL+19]. **Skill** [HGB+10, HLL+19]. **Skill-Guided** [HLL+19]. **Skilled** [FvdP15]. **Skills** [GCY+14]. **Skin** [BW17, IGAJG15]. **Skinned** [JKL18, TPSH14b]. **Skinning** [KSO10, LCY+19, RF15, TE18]. **Skins** [IGAJG15, MMG10, MKU15, Yuk15]. **Skip** [ZLZ+18]. **Sky** [GPRS14, HCBW19]. **Sleep** [CWGVw19]. **Slice** [WLZX19, ZH14, SV10]. **Slice-guided** [ZH14]. **Sliceplorer** [TWSM17]. **Slices** [HBA12, TWSM17]. **Slicing** [WCT+15]. **Sliding** [HBA12]. **Slopes** [RBMS17]. **SMAA** [JESG12]. **Smale** [SN12]. **Small** [BHRD+15, BBL12, DHS+13, LHSN18, PGGM10, SJ13a, UMM+10, dEvW13, BR+16a]. **Small-Multiples** [BB12]. **Smallest** [LK13]. **SmallWorlds** [GOB+10]. **Smart** [MAM14, NSS+12, ZCOM13, ZLDM16]. **SmartAnnotator** [WCM15]. **Smartphone** [ECN14]. **Smoke** [AO13, BXH10, KPNS10, NC10, PSCN10, SKK10, WYY13]. **Smooth** [AECOK16, CT11, JWS12, Jes16, MSWI12, SLWSS15, CFGL16, SBD+15b]. **Smooth-Shaded** [Jes16]. **Smoothed** [HENfSYS16, HA19]. **Smoothing**
Snakes \cite{BSK13}. Snapping \cite{SAG+13, ZWC+10}. Snapshots \cite{MBG14}. SNE \cite{KRM+17}. Snooker \cite{HGB+10}. Snow \cite{CEG18, vFG11}. Snow-Covered \cite{CEG18}. Soccer \cite{SAMS+17}. Social \cite{BCD+10, CLY17, GOB+10, HRD+15, JGH11, KvLB14, KHI+19, RTJ+11, RPA+15, TX16, WDM+12, OKK13}. Soft \cite{HK16, KKBJ16, KARC17, LSMD15, MP12b, MMO16, MAAG12, RF15, SDMS15, SGYF11, SFY13, SGB13, XLH+13, YDF+10, ZIM13}. Software \cite{AHR13}. Solar \cite{ABW+15, MPBM+17}. Solid \cite{AMS16, Gam16, SCMTW15, TL16, TL19, WW11, WC14}. Solids \cite{BHUl0b, CZZ+18, PGBT18, ZLKW13, YLCH18}. Solution \cite{ATO17, GUS12, MSGT18, PSP10, RS19}. Solve \cite{WBS+13}. Solver \cite{Aan18, ATW15, DKWB18, KH19, TL16, TDNL18, TL19, WMRSF15, WKB18}. Solvers \cite{Kaz15}. Sorted \cite{ENSB13}. Sorting \cite{GL10a}. SoS \cite{ML17}. Space \cite{AJA11, AVR10, AMTMH12, AJS+19, AAB+10, BDA+17, BvTH16, BSL18, BKW13, BMS+10, CDA+14, CCI13, DMSL11, EAGA+16, GKL17, HKD15, HRWW12, HRS+14, HRS+16, HZRS18, HB19, HMRR19, HFE13, JH19, KD13, KNH+18, KW18, LS10b, LMP+10, LLIH19, MCHW18, MO10, MBES16, MEMO14, MFNP13, Man16, MHA17, MSW10, MGB+12, MRS12, NAM+17, NFM+19, NPW10, PSDB+10, RGG18, SSWS13, SB13, SGEM16, TFA+11, WG11, WWT+16, WBT19, WTH+13, XWB15, YLX+16, YWBB18, YIC+11, ZSW10a, ZFAQ13, ZLW+19, ZST+10, ZZ19, ZWI5, AFHiL14, AHTIM14, FMD+19, JPCC14, Kur15, ZRJ+15}. Space-Efficient \cite{CDA+14}. Space-in-Time \cite{AAB+10}. Space-Time \cite{MBES16}. Spaced \cite{EDPB15}. Spaces \cite{BPFG11, BvLBS11, BBP10, CS+18, ERHH11, GSDG18, GHGW14, HW10, HMW+15, MCH13, MFL13, OMPG13, PBK10, SBC14, SDKGI18, TFA+11, VAW+10, vBE11]. Spacetime \cite{CTL13, TCLK12}. Sparse \cite{BLD14a, BTP13, CCM16, CWL19, CRA+17, GDG16, HR10, HYZ+14, LJIH10, LMMCO17, LDY10, MSAP15, MRAS17, OLF+14, PBB+13, RX+17, RSK12, RK10, SHD16, SRK13, SD10b, SHG+16, SGMG17, SHQL18, SBC+17, SCF10, SSJ+10, WLZH17, WBS+13, WDR11, WTYH18, XSY+14, YLLL15, ZFJ+16, vMRBPM17, GGM12, LBBC14]. Sparsely \cite{HR10}. Sparsity \cite{DSH+17}. Spatial \cite{BCCS12, BSY+19, EGC+15, FKRW16, FL19, HHC19, JKL18, MR17, MJ11, MGB14, MFL13, PPH12, SC16, SR19, WCH+15, GD16}. Spatializing \cite{JE13}. Spatially \cite{KKTD17, LHNS18, MHRK19, PR12, SYC10, WTH+13, SPCR14]. Spatially-aware \cite{KKTD17}. Spatio-Temporal \cite{BJG+15, CLC12, DP+15, KBÖ+14, SBE19a, ZZLX17, Fre18]. Spatio-Temporal-Chemical \cite{CLC12, DP+15, KBÖ+14, SBE19a, ZZLX17, Fre18}. Spatio-Temporal
AAB10, BMH12, BBBL11, DBS18, DBS11, LBK14, RSD12, RWSG13, WHP11, vPJHRV12. SPC [SO10]. Special [GCGP18].
Specialized [GB15]. Specific [BBGB19, Deb18, GRP10, hKTL17, LMK15, BMM15, WGK19].
Spectroscopy [JCK16, MK11, SPB17]. Specular [FZS19, IKL10, Tok15a]. Specularity [ABC11].
Speed [LTB19, SGMG17, WLI12]. SPH [FM15, HLL12, IABT11, KS14, OK12, PGBT18, SZMTW15, TDF15, TL16, TDNL18, WKBB18, ZYF10]. SPH-based [TDF15]. Sphere [DKY16]. Spherical [EJFadH13, GUK17, IFDN12, Man16, MBR13, NBMJ14, Tok15b, UFK13, UG18, XLH13, YZXW12].
Squeezing [CKHL11]. SSD [CT11]. Stability [GBG14, HCO18, STP17].
Stabilization [BAAR14, WZH13, XHW18, ZLSW17]. Stable [COO15, GSTOG16, PK15, SZMTW15, Sz11, MSW19]. Stack [HSBW13].
Stand [KFA10]. Stand-Ins [KFA10]. Standard [RLP10]. Standardized [MMNG17]. Star [WL17, YL11, HS17, Pat16]. Stardust [RLH17a].
Starting [Lar10]. State [AHG19, AMA16, BBT11, BFR17, BHP15, BCM18, BCD12, DFIM15, ERT17, FW17, GP12, GHWG14, GGG16a, GT18, HSK10, KRP15, KKF17, KBG15, KKL16b, KPK18, LHT17, LGK16, LGH17, MRM19, MKRE16, NSG11, NMSL19, NK16, Pat16, PP10, PVS18, PDC19, PPF11, RDGK12, RGG14, SRM19, SPN16, TDS16, TAE15, VCD16, WWS15, ZTG18, ZSG18, ZJL15, vLKS11].
State-of-the-Art [AMA16, BBT11, BHP15, FW17, GP12, LGH17, MKRE16, RGG14, SRM19, TDS16, vLKS11, PDC19]. Static [CKE12, CLL13, ODS18, PBMG15, SBD15b]. Statics [PTP15].
Stationarization [MJH17]. Stationary [ZWX19]. Statistical
[CRY11, JMD15, NVH+13, PCDS12, WLJ+18]. Statistics
[PKRJ10, PCR11, RSM+16, RW18, VVP+16, YB18]. Statutory
[Ano10c, Ano11e, Ano12f, Ano13i]. STD [RBMS17]. Steady
[GT16b, GG17, TSW+19]. Steering [AGR19, LCM+18, DMCN+17].
Stenciling [STG16]. Step [KB12, WPY+19]. Stepping [FHHJ18]. Steps
[SC18]. Stepwise [MWTI19]. Stereo
[BSL18, FNH+17, LFYX19, SW11, SSB+14, CHA+14, PMH+14].
Stereo-Consistent [BSL18]. stereeto-multiview [CHA+14].
Stereoscopic [KrJC+11, NREM14, TDMS14, ZZH15]. Stereoscopy
[SCW+15]. Stick [CYI+12]. Sticks [YIC+12]. Stiff [DKWB18]. Stiffness
[ATK17]. Still [SKWL13]. Still-Frame [SKWL13]. Stippling [MGY+18].
Stitching [GWO+10, GTZM10, LCC+17, LWL+16b, LLCZ16, LCWCO10].
Stochastic [AMAM13, AHMAM15, AAS17, CWY11, GD10, GG14, KCL+18, LK11, LSMD15, MTAM12, NDG17, PHL+16, SD10a, TH17, WWH18, WG12, AHTAM14, SNJ+14]. Stone [XDR11]. Stones [PGGM10].
Stories [RGM+18]. Storm [LMK+15]. Story
[GLG+16, MRL+17, RGM+18, SLSG16]. Storyboard [ZC18]. Storyboards
[HMLP13]. Storytelling [GLG+16, ZOM19]. Straightforward [BCCS12].
Strain [MYLZ16, OBH+11, SBO18]. Strange [YMM10]. Strategies
[GB10, HKL17, SNJ+14]. Strategy [AMR+17, BP17, dSNV+17]. Stratified
[LK11, UG18]. StratomeX [LS+12]. Stream
[ELM+12, ESRT13, HLJ+13, MH13, SRWS10, SGRT12, SEG+14, WESW17].
Streamgraphs [DH16]. Streaming
[DAF+18, HSS19, PHE+11, SRK13, SBS+17, TTN+13, VOS+10]. Streaming-Enabled [VOS+10]. Streamlines [LMP13, MC14]. Streams
[KCJM16, RW16, GBM+19]. strengthening [ZKWG16]. Stress
[KHKS12, MVB+17, ZXZ+17]. Stress-Constrained [ZXZ+17]. String
[BRWM18, KLMK19]. String-Based [KLMK19]. Stroke
[BBK+19, LCY+11, LLSC13, Sch13, SRG16, YZZ18, YSC+18].
Stroke-based [BBK+19]. Stroke-guided [LLSC13]. Strokes
[KS10, LLC19]. Structural
[ERHH11, RL14, RJT18, SSW14a, SMS+17, UMK19]. Structurally
[STG16]. Structurally-Sound [STG16]. Structure
Structure-Preserving [JLKL16, ZFCO+11, ZFJ+16, SXLS19, AVBC18, EKB14]. Structure-Texture [LJKL17]. Structured
[CDM+17, KLMK19, MDBS14, RSM+16, RPWO19, RS19, MWCS13, ZLL13].
JTSZ10, JK13, KL19, KRS⁺13, KGM⁺10, LA13, LS10b, LGP14, LKEP14, LPVI18, LMP⁺10, LMA⁺18, LKF12, MRM⁺18, MSS11, MMG18, MDD⁺10, MES⁺11, NM14, NSRS13, PPL13, PSCN10, PDC⁺19, PKG10, RLH⁺18, Ren16, RPG16, RSK12, SLB⁺18, SV14, SAMG14, SSW14b, SRGT12, SYT⁺13, SBCBG11a, SCQ⁺19, SMG10, TOZ⁺11, TBTB12, VSG⁺13, WLT12, WYZC13, WLZT18, WDR11, XYLY19, YMM10, YFL19, YLD⁺18, YMYK14, ZSW10a, ZYF13, ZCK17, HDV19, NGM14, PSP⁺14, SZ18].

Surface-based [LVPI18]. Surface-Like [PSCN10]. Surfaces [AP10b, AMT⁺12, AW13, ABCO13, AWO⁺14, AVBC16, BAT11, BCBSG10, BBCW10, BW13, BGS10, BvTH16, Bru19, BL18, CHK13, Cam17, CGT⁺15, CLS16, CMF18, CBV⁺14, CDS10, DW13, DH14, DGQ⁺12, DKY16, DBK11, EKFM12, ESRT13, GLK16, GB10, GBW16, GSE⁺14b, GTG17, HCD18, HLS12, HRS⁺14, JKL⁺16, KP18, KSD14a, KSD14b, KSKL13, LBRM18, LW17, LGTH⁺18b, LPD14, LBP10, LP10, MJK17, MS10b, MRHM12, NM14, OAM⁺18, PKS10, Rus10, SJP⁺13, SM10, SV14, SKR⁺14, SRWS10, SHD16, SEG⁺14, STG16, SYNC10, SVBC19, SPD14, SL⁺17, SNB⁺12, SVWG12, Sz11, VSK16, VWH18, WLS13, WC14, XLS⁺14, XDY18, YWTY12, ZBCq13, dGW+B⁺14, vKvLV13, DCV14, GTB14, HP11, HKM15, K15, KBO⁺14, PCBL16, DCV14, GTB14, MHS⁺14, VMHB14]. Surgery [MP10, TWS⁺11]. SurgeryCuts [ABK⁺19]. Survey [ALCS18, ABC11, BPA16, BBDW17, BNN19, BMO⁺14, BTS⁺17a, BKR⁺17, BLP⁺13, Cam17, Cas12, DCGG11, HLH⁺16a, HG⁺19, IS15, JSYR14, KWD14, KZ19, KWC⁺12, KCA⁺16, KBV⁺17, KMM⁺18, LLC⁺10a, LS18, LVPI18, LOM⁺18, ML17, MCG⁺19, MWA⁺13, OJM119, PPY⁺16, PCR11, PBC⁺16, PKE17, RL19, RMG18, RBRY19, SWP11, SCP⁺17, SL⁺17, STBB14, TGK⁺17, TAE15, VFB17, WT17, WWD15, YZL17, ZWJ⁺19, vKZHC011]. Surveys [ML17]. SVBRDF [DAD⁺19, PCDS12, ZZW19]. Swarm [VMH⁺13, WJDZ14]. Swarms [LVPL15]. Sweep [AMS16, Tim13]. Sweeps [BPW14]. Swept [CK10a, DKY16, MCM⁺12]. Swipe [LCG10]. Symbols [KPK10]. Symmetric [CML⁺12, GRT19, JWH19a, JKL10, Kaz15, KLAB15, KASH13, SY13, Sch11]. Symmetries [BMW⁺11, GAK10, WH17b, WMXC19]. Symmetrization [ZHH⁺15]. Symmetry [BCBSG10, DSWH17, GAK10, GL12, KBWS13, KLCF10, KLAB15, KWW⁺14, LKF12, MGG10b, MPWC13, SPL⁺16, SAD⁺16, SGS14, WX111, WMXC19, WK17, WWH⁺14, ZYF13]. Symmetry-Aware [DSWH17, KWW⁺14]. Symmetry-Preserving [WWH⁺14]. Symposium [AJL⁺11, Kuh12, LF11]. Synopsis [HLH⁺16b]. Syntactic [PLL11]. Synthesis [AYLM13, BW17, BMM⁺15, COO15, CLJ⁺15, CWL19, ENMC19, GGV⁺19, GMM15, GPK⁺12, GMD⁺12, GTB⁺13, GSDC17, HCA⁺12, HKM15, KKL⁺16, KLTK19, KÖOH13, KLZT16, KKS⁺12, KDC17, KS12b, LGH13, LL19, LS17, LZ10, LLSC13, PHTB12, PP10, PR12, PFC15, QWZ⁺19, RZS10, RÖM⁺15, RSK13, SLE18, SD10a, SPK10, SGB13, TGM12, TLH19, TCG15, VCD⁺16, WSCP13, WYZB14, WBSH⁺13, XWG⁺13, YMY14, ZSW10a, ZYF13, ZCK17, HDV19, NGM14, PSP⁺14, SZ18].
Track [GVS⁺¹⁵, CD¹⁸]. Tracking
Unbiased [SKGM+17, VCRG14, YIC+11]. Uncalibrated [SM11].
Uncertain [CRT19, GST14, OGHT10, OT12, PPH12, PRW11, PW12].
Uncertainty [BPFg11, BMPM12, DCK12, LMK+15, OT12, PPH12, PW12, PH13, PKRJ10, SMH10, SSSSW13, STP17, TWD+13, WH17a, WBfVL17].
Uncertainty-Aware [BPFg11]. Uncertainty-guided [SMH10].
Unconditionally [PK15]. Unconstrained [SLWSS15]. Uncontrolled [QWZ+19].
Undistort [BCN11b]. Understanding [ACC15, BHR17, CKE+12, HAGO19, LCSS19, RLP10, TFA+11, ZZZ+19].
Used [SJL15]. User [AP10a, APm+11, ATF12, BAAR14, BZL+18, CHH+19, CCH+14, DMKT18, DBB+18, HK12, JTRS12, KBL19, KSG+15, LCUR14, MFP13, RC19, RPA+15, SWS12, SPSK13, XBL+18, YPF19].
User-Assisted [BAAR14]. User-based [CHH+19]. User-Centered
[BZL+18]. **User-Controllable** [AP10a]. **User-Controlled** [KSG+15]. **User-driven** [MFPN13]. **User-Guided** [DBB+18, RC19, KBL19]. **Users** [BCBL13].

**Using**

[ABD10, Áfr12, AKMM11, AMTMH12, APM+11, AHMAM15, ACC15, ADN+17, BLP10, BLY+11, BDF+14, BPFG11, BPKB14, BJR+18, BFG+17, BMB+18, BBDA10, BAO+19, BMB15b, BTM+19, CRGZ10, CCW12, CG17, CCI7, CKL14, CNS+11, DZCC19, DSH+17, DBS+11, DJM12, DZC11, ECN14, FKE13, GP12, GPK+12, GAWJ15, GS12, HCDC18, HTG14, HSI7, HL13, HBO+10, HYL+15, JYS19, JKK+18, KTN10, KOOH13, KWÖG18, KNJE12, LLC11, LMLG15, LZL+15, LVL+18, LCG10, LJZX15, LMPD15, LCV+11, LKF12, LS15, MEMO14, MCH13, MbMYR15, MTKA19, MG18, MSDK12, MJS14, MJK11, MFL+13, OJ15, PDV+15, PGK10, PNVS17, POCM19, RLH+17b, RLH+18, RKLH18, RLOG17, RL14, RL16, SL11, SLE17, SMI15, SKR+14, SJ13a, SR19, SCR+18, SMM13, SASF11, SSL14, SR14, SLCL19, SJF11, SSJ+10, SKMS18, TLFC16, UM19, UWA+19, WTL15, WLT+17, WWH18, WHS+18]. **Using**

[WLZX19, WHL10, WLL13, WLI+12, WZ15, XL10, XSSM13, XZX13, XWH+18, XXY+18, YSM19, YBL10, ZWC+10, ZCZL13, ZLX17, ZL17, ZC18, ZVE+14, AMAM13, AMT+12, BSH12, BCN11a, BBD+18, BW13, BLD14b, BCGL18, BMM+15, BHMT13, BNL10, CML+12, CCM16, CLGS18, EAGA+16, FR11, FSTR13, HFM16, HD14b, HMB17, HGA+10, HHG15, HJS+17, HSK14, HSS18, IFDN12, Jac19, JBG17, JG11, KPS10, KS14, KS10, KHI+19, KIM19, KKB18, KBO+14, LBL14, LPSV14, LK17, LVLV18, LWL+16a, LMG+18b, LL19, LGK16, LIK19, LSW11, LBB14, LLC19, MSW10, MP12a, MSAP15, MSHT15, MG1+16, MM1+13, NNR15, OAO11, PKGS17, RKG18, RRS12, RMZ13, RS19, SNA17, SPB+17, SRK13, STKD12, SC10, SBL1C7, SPF+19, SARZ10, TM13, VMTS10, WATT15, WGP+19, WZCF15, XTZ19, XSS+14, YH10, ZCK17]. **Utility** [DK13]. **Utilizing** [YKS+19].

**V** [CWG+W19]. **V-Awake** [CWG+W19]. **Valence** [KJK+16a]. **Valence-Arousal** [KJK+16a]. **Valent** [RKS17]. **Validation** [CMF18, KQR+19, PBK10, SAMG14, SNA17]. **Valley** [WLZ+12]. **Value** [SHF13]. **Valued** [HW10, PDV+15]. **Vancouver** [IC11]. **Variability** [FKR16, HAGO19, PR11, RJJ18, SSSSSS13]. **Variable** [AVR10, KGR+16, OBGB11, SSDK12, WT11]. **Variance** [LPG13, SHSK16, SM17, YDF+10, YBL18]. **Variants** [HV10]. **Variate** [CD16, HFW+17, KKS+12, KZZ12, MSPM12, STMT12]. **Variates** [SKMS18]. **Variation** [EB17, HCW17, HO17]. **Variational** [ALC11, BF15, HW16, JTS10, NC10, PR19, SSW14b, WYB14, ZZ15, NW17]. **Variations** [CDM+17, JTR12, LBB12b, ZLMM16, ZCOM13, LT17]. **Various** [KS12b, MKJ17]. **Varying** [BRM+16a, DKG15, DBS+18, FL19, KG19, LVL18, MHRK19, PR12, WRS+13, XGDC17, YLRC10, ZC18, MAG19, TCM10]. **Vascular**
[BGCP11, KBT+12]. **Vase** [BCRA12, TOZ+11]. **VBTC** [KGR+16]. **VCBM** [WBP11]. **VDub** [GVS+15]. **Vector** [ABCCO13, BCBSG10, BPKB14, BSEH17, CY+11, COC15, Dop+19, DZC11, FKSS13, FK+10, GRT18, GKKT13, GT16b, G17, HKD15, HFM10, HG18, HLH+16a, HWK15, HRS18, JA18, JCW11, Jes16, K19, LTKD15, LJJ19, LG+16, OGH10, OT12, PPH12, PDV+15, SW10, SFL+16, SBCBG11b, Szy11, SBL12, TBP18, WR19, WLT18, CFGL16, Lie17]. **Vector-Based** [LTKD15]. **Vector-Valued** [PDV+15]. **Vectorial** [PJSH15]. **Vectorising** [RLMB+14]. **Vectorization** [GZH+19, KWOG18, NS19, WZG+19]. **Vectors** [FKS+10, GRT18, H19, JKL10, M10, N10, POS+11a, SRWS10, SK10, XM15]. **Vega** [SSB13]. **Vehicle** [CWL+15]. **Velocity** [RCB+17a]. **Velocity-Based** [RCB+17a]. **Ventricle** [SSM12]. **Verification** [CWS+17, WZ15]. **Versatile** [ATO17, SSN18]. **Versatility** [SHD15]. **Vertebral** [ZVE+14]. **Vertex** [KB11b, MTAM12, NB15, WHD17]. **Vertically** [SM10]. **Vertices** [PPT+19, MM18]. **Vessel** [MMV+13, WVV11]. **Vessels** [LGP14]. **VFX** [ATO17]. **Via** [CDM+17, Deb18, DFY14, LGW18, ADG19, BP16, BS12b, BBG17, BSH15, CK14, CCC+14, CT12b, CK11b, COC15, CR17, DH16, GHX+17, GS11, GZH+19, HL19, HFL12, HZF10, HG13, HKM15, IEKM16, JKL18, JKJ18, hKTL+17, LKC+12, MCHW18, M16, MB13, MC17, MAM14, N17, OMP13, PWS12, P17, RBC14, SX+11, S17, TXX+19, W19, TLRB18, TLL19, WLL+17, WCD15, WGH+19, XXL14, YXX18, YHL+16, YW10, YW18, ZCW+19, ZZZ+19]. **VIAN** [HBRFP19]. **Video** [ASL+19, AWCO10, BAA14, BKY+16, BZM+16, B18, BHW11, BCK+12, BSS+17b, BCD+12, BMS+12, CRC15, CCM16, CWL19, CPZ+15, DZD+16, DTV15, Dra10, DP17, EWU13, GVS+15, GO10, GO15, GHK+10, GCW15, GHF14, GTK+12, GPR+15, HML+19, HCB19, HGB+10, HZ11, IY10, I15, JCK16, JW13, KR19, KS10, KJ10, KG15, KRG17, KY16, K13, K11b, LCE+17, LH10, LP15, LJJX15, LLN+14, LCC16, LLB+10, LLX+11, MD19, MB15, QA01, PCDS12, PSW12, PSHZ+15, PN17, RKG18, RSD+12, RWS13, SGMG17, SLW15, S15, SP10, SHS+15, TX16, T16, T11, TM11, WZH13, WBM+18, XL10, XW18, YSM19, YXX18, YFL19, ZTW+12, ZQ15, ZL17, ZLX17, CVCH14, EMU17, SBB14, SPCR14]. **Video-Based** [ASL+19, BCD+12, CWL19, GHK+10]. **Videos** [BO19, CCM16, GTK+12, GPM+18, JLI10, LTK12, RSD+12, SBE19a, WPY+19, XTZ19, ZLSW17, ZCT18]. **View** [BGCP11, BB10, CWL19, F11, GP+12, HRE11, KTKM19, hKTL+17, KB17, KBE19, KBB13, LL19, LFYX19, NPDD11, REH+11, SI19, SBD15a, WBCGH11, WLI+12, XSS+15, ZQ15, DGR+14, GSC18, LSR17, LJJL+18, SM10]. **View-Adaptive** [REH+11]. **View-Dependent** [GPK+12, KB13, NPDD11, SBD15a]. **Viewing** [ALA+18, AWCO10]. **Viewpoint** [HV+16, LLB+10, TWC+16]. **Views** [BRM+16a, CCA+14, EHT18, EAGA+16, HSH16, RSM+16, RAM19, SS16, SLC+19]. **VIMTEX**
[DKG15]. VIPS [ZCZL13]. Viral [SCD+16]. Virtual
[AJL+11, AWCO10, CKE+12, DDH+18, FVHK17, GPMG10, GHB+17, KL14, KKK18, KAS+19, LBB+10, MGG+10a, MKMA19, MCG+19, MCB16, MJL+13, NNDJ12, PP10, RKRD12, RPA+15, SLE17, SOC19, SRK13, STKD12, SWML10, SYIF11, STBB14, SPV+10, Toki5b, VVE+10, VGS+19, WC16, YJD+18, dSNV+17, JPC14]. VirtualDesk [FFN18]. Vis
[BAO+19, VMH+13]. Viscosity [WKBB18]. Viscous
[HLL+12, SKK10, TDF+15, TL19]. VisFM [LB19]. visibilities [WZC+11]. Visibility
[AWJ13, BELD13, BLD14b, BJFadH19, Bru19, EJFadH13, LMS+16, LPK13, MAAG12, NBMJ14, OPP10, PGSD13, UFK13, WVV11, WGK+19].

Visibility-Aware [BJFadH19]. Visibility-Driven [Bru19].
Visibility/Sampling [BELD13, EJFadH13, UFK13]. Visible [Hd14b].

vision [DMCN+17], vision-based [DMCN+17]. Visitors [LBK14]. Vismon
[BMPM12]. VisRuptum [RPMO13]. VisTrails [SASF11]. Visual
[AASB19, ARLC+13, ARRO+17, ABW+15, ASB+17, AHG+19, ACAA+19, AAS+16, ALA+18, BEF17, BAT11, BLY+11, BH19, BDF+14, BSW+14, BHR+19, BSBE17, BCBL13, BBBL11, BvLBS11, BTB13, BJA+15, CWGvW19, CHH+19, CD18, CGM19, CBK+17, CKGC14, CSG+18, CWB+14, CWL+15, CLY17, CE19, CJF+19, CAB+16, CLWM11, CWS+17, DCK12, DI18, DPD+15, DPD+17, DWT+11, EASK18, ERT+17, FKRW16, FVHK17, FAFM19, FEM+19, GVS+15, GOH+10, GLG+16, GHGW14, HBRFP19, HRD+15, HK16, HSK+10, HJM+11, HS17, HMP+12, HBO+10, HSH+16, HGRS+17, HC14, HF16, HHD+12, IUDN10, JWC+11, JFCS17, JE13, JvdGMR19, KR0+15, KCJM16, KFH10, KBBH15, KH18, KMJE12, KCA+16, KvLB14, KGGP18, KLK17, KWS+15, KFM+19, KVD+10, KKL+16b, KHI+19, Lav11, LCSL18, LKC+12, LKZ+15, LSS+12, LWPL15, LB19, LJJH13, LMMH14, LWT+15, LJJH19, LGH+17, LRB+15, ME13].

Visual [MHK+19b, MRL+17, MMNG17, MDI+18, MLD+18, MHMH15, MHDG11, NWHWD16, NN11, NNL16, OJS+11, OSR+14, OJMN+19, OAM+18, PSPM12, PGS+16, PJP+14, PZDD19, PMD12, PBK10, PPBT12, PEPM12, PDW+14, PH17, Pos11b, RSM+16, RvdHD+15, RCMM+16, RCMA+18, RK+12, RMM15, RSS+10, RPSF15, RHM+12, Ros13, SAMS+17, SGS18, SPB+17, SRM+19, SvW13, STMT12, SA15, SPF+19, SHP+19, SHK15, SvL16, SBM+14, TPRH11, VCL+11, VHG+18, WHC15, WDC+10, WG11, WKS+14, WSK+19, WCH+15, XDC+13, YXX14, YPF19, ZAM+16, ZCW+19, vdEvW13, vLKS+11, GBM+19]. Visual-Interactive
[BHR+19, BSW+14]. Visualisation [KK17, MKJ11, PKE15]. Visualising
[GPK11, ST18, BRM+16a]. Visualization
[ARLC+13, ARH12, AHR13, AKV15, AMA+16, AFK+14, APM+11, And10, ABCN10, AH11, BHRD+15, BMH+12, BAT11, BLY+11, BAA+16, BBDW17, BBB+18, BBR+16, BKB+18, BWH+11, BHP15, BPKB14, BBV12, BKR+17, BSK+17, BPPM12, BCD+12, BM+18, BBBL11, BRB+13, BCN11b, BM10, BJG+15, BTM+19, CRY11, CNCO15, CCB+15, CSFP12,
CYY⁺11, CYI⁺12, CJP⁺19, CY11, CWM19, CY14, CCH⁺14, CKS⁺15, CBKK⁺19, CWG11, CR16b, DCK13, DKG15, DAF⁺18, DMNV12, DKMT18, DPD⁺17, DHS⁺13, DWT⁺11, DvKSW12, DBS⁺11, ELM⁺12, EGG⁺15, ENSD12, ELPH19, EPAS11, FKE13, FR11, FFN18, FL19, FE17, FMH16, FM15, GOPT11, GRE11, GKL19, GSE⁺14a, GGM12, GKPL11, GRDE10, GSE⁺14b, GRT14, GT15, GKT16, GT16a, GT16b, HPK⁺16, HJM⁺11, HW10, HLH⁺16a, HBW11, HVH⁺16, HMP⁺12, HVVR18, HSJW14, HYL⁺15, HWK15, HGB⁺10, HSH16, HRS18. Visualization [HPvU⁺16, HC14, HLJ⁺13, HKL17, HGH⁺11, JC10, JBMC10, JWC⁺11, JGH11, JPN15, KARC15, KSW⁺12, KKS⁺12, KARC17, KCL⁺18, KKT12, KGP⁺12, KMA⁺19, KMJE12, KvLB14, KS18, KKF⁺17, KASH13, KMM⁺18, KVD⁺10, KBT⁺12, KFR⁺11, KKL⁺16b, KPK18, KHW13, KW18, LC19, LDB11, LH11, LBK14, Lar10, LGP14, LKE14, LSB18, LPV18, LPSV14, LMS⁺16, LCC⁺17, LCP⁺12, LKZ⁺15, LT16, LCB⁺18, LMG⁺18a, LS16, LFK⁺13, LFS⁺15, LBPH10, LBH12a, LLC⁺12, LCD10, LWT⁺15, LSB⁺17, LFC14, LTC18, ME13, MK11, MGM⁺19, MRL⁺17, MLP⁺10, ML17, MG10, MCI10a, MKP⁺16, MV⁺17, MC14, MMV⁺13, MS14, MRL10, MP10, MHDG11, MKRE16, NW13, NN11, NB11, NLM⁺13, NS19, NH19, OJS⁺11, OS⁺14, OA14, ODS18, OLF⁺14, OGHT10, OBCC13, POS⁺11a, PSC18, PSCN10, PJR⁺14, PEP⁺11a, PVS⁺18, PFH⁺18, PRW11, PW12, PDC⁺19. Visualization [PTA⁺11, PPF⁺11, PEP⁺11b, PEPM12, Pos11b, PW11, PH13, PBC⁺16, PKE15, PKE17, RvdHD⁻15, RHS⁺12, RL19, RKRD12, RR12, RLH17a, RWS⁺10, RPLHI1, RMH⁺18, RG19, RHM⁺12, RPO13, RSS17, RML12, SMH10, SM11, SE19, SAMG14, SC16, SG18, SH14b, SKR⁺14, SmvdVW15, SG11, Sch11, SS13, SGRT12, SEG⁺14, STK12, SHCB15, SPH11, SAS11, STBG12, SvL16, SJL15, SGG15, SBM⁺14, SLGS16, SRG⁺19, SPT14, SHS⁺17, SMP13, SMB⁺17, Sy11, SBL12, TFA⁺11, TLM16, TWC⁺16, TLFC16, TE10, TCM10, TK⁺17, TPRH11, ÜFE10, VR12, VM12, VMH⁺13, WH17a, WZC⁺11, WL12⁺, WK12b, WZF⁺15, WT17, WG11, WKS⁺14, WGS10, WHT12, WHP⁺11, WPH⁺12, WAF⁺11, WPW⁺11, WTY12, WCH⁺15, WBF17, YMM10, YBK⁺12, YLR10, YWTY12, ZLM⁺15, ZM16, ZCH⁺17, ZLS17, ZZLX17, ZWRH14, ZRL19, ZOM19, ZAD15, dHvPV14, vDO16, vGPB17. Visualization [vPjTHV12, vPG14, vDCAW14, vDZL11, CKS⁺16, TWMS18, DKG15, CS16, HLH⁺16b, KM16, Kuh12, TL16]. Visualization-Based [BSK⁺17]. Visualization-Guided [FMH16]. Visualization/NPR [CS16, HLH⁺16b, KM16, TL16]. Visualizations [BDA⁺17, BEF17, BJG⁺15, CDA⁺14, GT15, KKL17, MP10, MHDG11, OJS⁺11, OJ15, PH17, SLB⁺18, SS16, SSB15, SSK16, SH14a, TLW⁺19, WVL⁺19, WV11]. Visualize [KGM⁺10]. Visualizing [BK13, BHW17, CJP⁺19, CKE⁺12, DPF16, FR11, FSTR13, GKL17, GOB⁺10, HJS⁺17, KLS⁺17, LB14, LMK⁺15, LKD⁺17, LMF19, LFC14, MW18a, MS16, NMS19, OBH⁺11, PRW11, PKR10, RW18, RTJ⁺11, RGG18, SAMG14, SCD⁺16, SAAF18, SMM13, STP17, SSG116, VBAW15,
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VBW17, WRS+13, YWS+14, ZFAQ13, ZFA+16, ZSJT19, ZLMM16].

**Visually** [CJP+19, DW13, GLCC17, KFR18, SHS+17]. **Visualnostics** [LKZ+15]. **Vivid** [ZCX19]. **ViviSection** [KMS+13]. **Vivo** [DHS+13]. **voids** [BJG+15].

**Volume** [AKMM11].

**Volume-Aware** [TOZ+11].

**Volume-of-Fluid** [CK13].

**Volume** [AMS16, CK10a, CIE+16, CLS16, DKB+16, FBL16, GD10, GSZ11, GSW12, JRJ11, JJKL18, JSYR14, KKK18, LZQ13, MHK+19a, MRAS17, NGHJ18, SJP+13, SVLL10, SKZ+11, SKZ+12, SLF19, XSE14, YFL19]. **Voronoï** [BPY16, ERA+16, EDPB15, HH17, LLW12, Man16, NB12, PPT+19, QY217, QCW+18, SNA17, WHWB16, XLS+14, NL13, PPL13]. **Vortex** [GT18, HGH+11, MKP+16, OT12, ZDM+14]. **Vortical** [HL13]. **Voting** [ATCO+10, SAD+16, TWC+16]. **Voxel** [Afr12, BLD14a, CNS+11, DKB+16, GGM12]. **Voxelization** [Lai13, LMMCO17, YFL19]. **Voxelized** [HL19]. **Voxels** [SHD15, TH17]. **VR** [GPM+18, LCC+17, XTZ19]. vs [DBS+18].

**Vulnerability** [CKS+15, KBHM15].

**Wake** [PHTB12]. **Walk** [BPVR11]. **Walkability** [MKMA19]. **Walking** [CK11a, XLL+10]. **Walks** [SR14]. **Walkthroughs** [PSC10]. **Wall** [DJSJ19, GHB+17, KKTD17, MMP16, NLB+13]. **Wang** [DJSJ19]. **Ward** [GMD10]. **Warping** [BMS+12, CSD11, CG16b, KWSH+13, LSR17, NREM14, RRS12, SC10]. was [AKMM11]. **Watch** [RKGS18]. **Water** [BSW10, KL19, PHTB12]. **Watercolor** [PPW18]. **Waterfall** [EPCV15]. **watermarking** [YI10].

**Wattertight** [vKvLV13]. **Wave** [EBR+14, KL19, MMRO13, OKG+10, VWH18, WND+14]. **Wave-Optical** [VWH18]. **Wavejets** [BD18]. **Wavelength** [WND+14]. **Wavelet** [BLY+11, CDS16, DYFX19, HA17, MS11a, MP12a, RLH+17b, RLH+18, WMB15]. **Wavelet-based** [BLY+11]. **Wavelets** [HDL11]. **WaveMap** [BLY+11]. **Waves** [JK13]. **Wavy** [EKF12]. **Way** [TL19, YLHQ12, Aan18].

**Waypoints** [ZFA+16]. **Waypoints-Constrained** [ZFA+16]. **Weak** [AGCO13]. **Weather** [DPD+15, DPD+17, RG19]. **Weathering**


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