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**Title word cross-reference**

2 [AWL+19, BKL16, BHR13, BSW02, BSM+07, DBB+17, EPD09, GIZ09, HGRT04, Hil87, HDK07, JSKJ12, KFCO+07, LT09, LPL+17, LHVT17a, LHVT17b, Mai92, NG18, RMD12, SLV+13, Shm92, XCS+14].  
2.5 [RID10].  
3 [AJS19, AKZ+17, AL13, ALX+14, AXZ+15, AZB09, AAR05, AIH+08, ARS14, BVF+17a, BIP01, BP07, BSS+11, BSK+16, BBN+12, BVG11, BGK+13, BWSS12, BVS16, Bly06, BSM+07, BR07, BAU15, BATU18, CCA+12, CB04, CWLZ13, CMZP14, CK10, CGK11, CGF09, CSPF12, CZS+13, CLD+13, CZL+15b, CKIW15, CLF+18, DNZ+17b, DNZ+17a, DS15, DTP15, DLSCS08, DSAF+13, DIP+18, DHL14, DDP02, ESCK16, EBGB14, EDF+16, EPD09, ESZ+17, ERP+19, EM96, FZBR16, FJL+16, FH10, FRS+12, FSL+15, FMK+03, GDAB+17a, GDAB+17b, GZW+16, GZC+16, GIZ09, GM05, GF08, GGS03, GTDS10, GKH12, GWN+03, GWD05, GFD+12, GRT13, GZC15, HGRT04, HGY17, HASK17, HK18a, HNN19, HLR09, HLZ10, HDK07, HMC11, HLV+17a, HLV+17b, HTWB11, HCTW11, HMT+15, HDGN17, Hud92, HOM15, IBP15, ICG17, JTRS12, JBM+17, JLF+09, JZH07, KMM+02, KHS10, KH06].  
3 [KSH+14, KDM+16, KDR+16, KDW+17, KSES14, KMYG12, KLM+12, KRD+12, KLM+13, KLKL13, KTL+04, KDMW17, KSS+15, KS04b, KYC+17, LMS13, LHW+10, LRAT08, LHKR10, LCXS09, LOMI11,

*Cages [GCP¹³].

- analysis [WYL⁺¹⁴]. - axis [ERP⁺¹⁳].

2 [MRH¹¹]. 2-manifolds [Man⁸⁶]. 2PAC [TFD⁺¹⁸].

360 [JMY⁺⁰⁷]. 3D [WW⁸²].

4 [BAM¹³]. 4-points [AMCO⁰⁸].

5DOF [WPGM¹⁶].

6D [FRSL⁰⁸].

A-Patches [BCX⁹⁵]. AA [AHD¹⁵].
aberration [CLS⁺¹⁷, WLM⁺¹⁵].
aberrations [HLBR¹², HWBR¹⁴, POAR¹²].
ABF [SLM⁰⁵]. absolute [K⁰⁴ᵃ].
absorbtion [CT⁰⁵]. Absorption [BBS¹⁴ᵃ].
Abstract [KK⁰¹, YL¹⁰]. abstracted [LMLH⁰⁷].
Abstraction [ACP¹³, MZL⁺⁰⁹, BS⁺¹³, DS⁰₂, FLB¹⁷, LYT¹⁸, LFZ¹⁸, NSX⁺¹¹, WOC⁰⁶, YK¹²].
Accelerate [HHJ¹⁵]. Accelerated [KGL¹⁶, BDT⁹⁹, CW¹⁷, KB¹², NPP⁺¹¹, PVL⁺⁰⁵].
Accelerating [BJ¹⁰ᵃ, BKKL¹⁵, LNLB¹⁶, RV⁸⁹, LVS⁺¹⁶, W³¹⁵, YPB¹⁶].

acceleration [CZJ¹², JLBMO⁵⁰, MA⁰⁶, PDZ⁺¹⁸, MA⁰⁷].
accelerations [KLF+19]. Accelerometer [SH08, TSK+11]. Accelerometer-based [SH08]. Access [KCYW13, LSK+06, NH08].

Accommodation
[KPM+17, KBBD17, CLS+17, MWH+13]. Accommodation-invariant [KPM+17].

Account [CLC96]. Accuracy [CKH18, LDS02, SHD+18]. Accurate [BOFN18, GM09, GGHS03, MSHS06, SNB15, VJ19, WZC12, WZHR19, ZBGB19, BBBBB, KBB07, BHK14, Dee05, DDP99, HHM19, JBB06, LBB17a, LD14, LKYU12, MLT17, MG03, VMTF09, XSTN14, YTJR15].

Achieving [JLF+09]. Achromatic [FRE16]. Achromatic-based [ACOYL08, BDG15, YM16].

Actions
[ACM, Kro02, Spe03]. Active [LFZ15, LLMZ16, ACSS12, JBP06, LZZJ16, OH11, WJ19]. Acoustic-potential [OHR14]. Acquiring [Bou18, KMYG12, NGD+06, TDG18, TFG+13, DWd+08, OEE+18]. Acquisition [Did18, HED05, HHA+10, TG17b, BGG16, BJTK18, BTFN08, DJ18b, GHP+08, GGHS03, GLL+04, GRB+18, GTR+06, HLZ10, HHTW11, LLW+08, MP04, NHL+16, NLK18, NJR15, PCK+08, RRHHL02, SWTCC14, TG17a, XZ+16, XNY+16, ZCD+16, ZRL+09]. Acting [DY00]. Action [ACCO05, MLZ+16, DWT+02, GCR13, SCH+14].

Action-driven [MLZ+16]. Actions [ACOYL08, BDG15, YMF+16]. Activations [SNF05]. Active [CHP07, FLP14, MBN07, PM18, RV89, WA+K+12, PZM13, YKK+16].


adaptations [HGRT04]. adapted [Sze06]. adapting [PSK+12, YCBd14]. Adaptive [BMW+09, BO04, BF08, BDW13, CGG+04, EC96, FCW+17, FBL07, GO12, HWRH13, Hii87, HWW+16, JLS+03, KD13a, KTS+14, KYS+15, MCY14, MGYH15, MMB+16, NS012, ODR09, PN2014, RGL05, RKZ11, RKZ12, Sah18, SHF11, SW18, WFP12, WSL18, AGL+17, ANHD17, ATW13, BAM13, BDLA11, BFK+16, CYFW14, CTH+14, DJ18b, EB14, FFB+09, GTJS17, GWAB19, GKS02, HJW+08, HJ11a, HTC+14, HGF14, KJ10, KPS13, LHK10, LWC12, LDN+18, MK08, MB12, NPO13, NLMD12, PO08, PBvdP16, SABS14, THK13, VdFG99, VLL18, VK19, WP9+14, WFD18, cWP10, Y117, YW13, YIC+10, YSC+18, ZSK18]. Adaptively [APK07]. adaptivity [TMDK15, WHK17, ZL16]. Add [MRK+13]. add-on [MRK+13]. Adding [DKD+17a, Huc92, DKD+17b, SKC+14].


Advanced [CFS+18, SM15, Zha18, FLG15].advection [BNTS07, ZNT18, ZBG15a]. advection-projection [ZBG15a]. advection-reflection [ZNT18].

Adversarial [SSII18a, GDG+17, WAH+10, ZZZ+18].


Aether [ALLD17]. aesthetically [GSH18]. Aether [ALLD17]. affect [HCOB10]. Affine
[BT19, SR09, HSS98, JSS+15, RV11].

affinity [XLJ+09]. affinity-based [XJL+09].
after [HXM+13]. against [Wan14].
agglomeration [GJT17]. Aggregate
[NGCL09, CHP07, GvdBL+12].
aggregates [RBF08]. aggregation
[TJM15]. Aningostic [HFW+19, AWL+19].
Ahead [Fol91, ZMN+19]. Aided
[BG89b, Gol84, Gol85a, SMPZ15]. AIM
[Ano10]. Air
[MCKM15, CFW13, LSCS14, SPGI13].
Airbrush [SMPZ15]. AIRREAL [SPGI13].
airplanes [UKSI14]. Airy [MIB15]. Alain
[Fiu00]. Albedo
[GXY+17a, DDTP15, GXY+17b, HR13].

good [Gol85b, Gol84, Gol85a, SMPZ15].

Algebraic [ACC90, Bf92, BW93, Bl682,
CCOST05, GM84, GG07, MD94, PP93,
AB89, BWSK12, Gol02, LT09, LB06, War89].

Algebras [Duf17a, Duf17b]. Algorithm
[CG89, Day90, EPO91, HA92, KM97, LMR83,
LM97, Mey91, MPB17a, PF89, Sah18, Sai89,
SG82, SO92, WS85, Zy88, AAM03,
BC8+10, BSFG09, CS00, EKA84, EPD09,
G04, GMP09, GD04, LF10, MMT18,
MBF04, MPB17b, RSH05b, SYBF06,
SOA11, SSB03, WX09, XCM+14, XHY14].

Algorithms
[Bak94, CMS95, CLS85, DGH93, Dune83,
EM00, Jan91, Kla91b, Kro82, MD94, MSTR89,
RV89, VN85, EKA84, HDN+16, KW03,
LJG811, RKAP+12, Spr82, WDB+08]. alias
[SOA11]. alias-free [SOA11]. Alasing
[Tur82, BAM13, HSD13]. Aligned
[ML+18, CPMS14, GDC15, HTWB11,
JTPS15, MWR12, MWRD13, MYRD14,
MPKZ10, MPZ14, PLS+15, STJ+17,
TP+11, XCOJ+09]. ALIGNet [HFW+19].

Alignment
[HFW+19, XH+18, LHJ+14, ARS14, BR07,
CWTW17, HZM+08, SKPS16, SRL+15,
WGP+10, WSH19, XLY09, ZLE14, BZL+17].
aive [CMT+12, HLYK08, LBB02].

All-frequency
[NRH03, TS06, WTL05, WTL06b, WR+09,
ADM+08, NRH04, XCM+14]. All-hex
[Fxb16, LXL+12]. all-pairs [AP08].
along [WSH19]. Alpha [EM94].
alternative [HGR04, LD06]. Ambient
[GAF+10, ZRSM18]. amendment
[TBTS08]. Ames [STX15]. AMFS
[CTH+14]. among [SGG+06, WWOH08].
Amortized [YNS+09]. Amplification
[PGP+19]. analog [HSH10]. analogies
[WWH06]. analogue [SR97]. analogy
[LY+17]. Analysis [BBS14a, CM03,
D+K+17a, EC93, KP92, Kla91b, LLZ10,
LT16, LD97, MA92, MR+18, ÖG12,
SPV+16, VFK+14, WBC19, WMP+06,
Wu92, YKGA17a, YZX+18, XZT15,
BHR13, BBB+14, BWM10, CCO05,
DHS+05, DK+17b, ETH+09, EHD+11,
FKY08, FV69, G08, HSTP11, HRV97,
HvKW+16, HSS+13, HK15, HHA+10,
JSM12, KSH+18, kKPS03, KC+14,
LSD+16, LH+09, LHW0, MC12, OK10,
OHX+14, Par17, PSC+15, PCHF18, RMB17,
ST14, SJ17, SK13, TOS+03, WavK+12,
WG+13, WYL+14, WLG+17, WW11,
XHS+15, YKGA17b, ZTS09, ZN06, XJ+13,
ZPZ13, vvKXZ+13], analysis/synthesis
[TOS+03]. Analytic
[Cas91, NL13, SSKS09,SDK19, WR18,
BLPW14, HW12, SRNN05, SJ18].
analytical [GBAM11]. analytics [SHK+14].
analyze [GSMCO09]. analyze-and-edit
[GSMCO09]. Analyzing
[Che13, SHH99, HWG14, KGF14].
anatomical [KIL+16]. anatomically
[DZ+08, SZK15, WBG16].
anatomically-based [SZK15].
anatomically-constrained [WBG16].
Anderson [PDZ+18]. angle [CAA09,
PRP+15, SLMB05, SLL19, TAV+10].
age-based [PRP+15]. angles [LS07].
angular [KZP+13]. animal
[WPO9a, WXL+08]. animals [WPP14].
animatable [SGdA+10]. Animated [FZLM11, TGBE16, VKJ+17, BCC17, CS09, HRvdP04, LCR+02, MBB12, MA06, NSB13, OHR14, SN17, SS+04, TLPJ18, WIK+06, WG09]. Animating [BDWR12, CJ11, CGZ+05, CTTL15, EB08, FOA03, FK05, GP+18, KA08, MWTK13, SRH+15, STSH14, SJM17, XXK06, XWL+08, YL08, ZB05, BAAR12, BWHT07, BBS+13, CMT04, CLQW08, GBO04, LZJ16, PH06, PTD12, PNDN12, SB12, TMB14, WCF07]. Animation [AJS19, BC14, EFM02, EHS+19, EAPL06, HTCH15, JW15, MMG06, RPC+10, SDN18, TBW+12, AHSS04, ASK+05, BKL16, BP07, BdSP09, BJS+08, BCK+13, BWY13, BFA02, CTFP05, CWLZ13, CHZ14, CWW+16, CH05, CB05, C+09, Cor18, DRvdP15, DYP03, DBB+17, ERL07, EGP02, FL04, FYK10, GSZ+18, GB13, GMP+16, GRGC15, HYL12, HK07, IJKP17, JCCW09, JCC10, JGJN15, KIL+16, KAL+17, KSLK14, KPMP+17, KG+16, KFCO06, KCCD9, LJ14, LLL18, LYYB13, LWL17, LXC+15, MCC09, MCF+09, NZC+18, NSCO18, NKA08, NF02, OLBH02, OLSL16, PKA+05, PB02, RP03, RP07, SHW19, SSK+11, SY05, SKY08, SKM10, SKPO8, TKY+17, TLP07, VBP08, WP06, WAM+10, WDAC06, WHR010, WSLX16, WQLJ18, WSS+19, WBLP11, WSL13, WFL+19, YL10, YRPF09, YCZ11, YGM97, ZSCS04, ZM13, ZXL+18, ZPB19, ZMCF05, ZBBB18, dSDP09]. Animations [PM18, DLKS18, FJS+17, GSKJ03, HOKP16, JT05, JFA+15, KG06, LP02, LMY+13, ODGK03, cWPO3, WXY15, YKHO4]. animator [ELFS16, ZXL+18]. animator-centric [ELFS16, ZXL+18]. AniMesh [JGGN15]. Anisotropic [ACSD+03, BX03, BSTY15, FLSG14, GZD08, JGT17, KDI9, LWSF10, LLR+15, McC99, XSD+13, CK11, JAM+10, NSO12, PPTSH14, PLMR17, PTC+10, PH15a, SJ17, TOII08, WZT+08b, XLZ+10, YTT13, ZJ18, ZHLB10, ZWD16, ZGW+13]. anisotropy [BLdG+16, KFL04]. annealed [YYW+12a]. annealing [DH96]. annotated [AFO03, GIZ09, TFK+03]. Anti [Tur82, BAM13]. Anti-Aliasing [Tur82, BAM13]. Anti-aliased [Kla91a, DHI13]. Antialiasing [BYRN17a, BYRN17b, YSLH11, CS00, GT96]. antiradiance [DSDD07]. Any [GRH+12, GZ05, MYW15]. Aperture [PC82, BCN08, GSMD07, GWGB10, LFDF07, LC+04, LL+08, VRA+07]. Apparent [DER+10, IM10, JDA07]. Appearance [CBKM15, DBP+15, DCP+14b, DWMG15, HX+18, KSZ+15, LH06a, SPS14, VADV15, VPB+18, WTL+06a, AYL+12, AP08, ATDP11, BUSB13, DCP14a, GGN18, GXZ+13, GRB+18, GTR+06, JFA+15, JSB+10, KWW+17, KRK11, KBC+13, KFB10, LMS+19, LEN09, LDP13, LKG+03a, LDPT17, LSSS18, MWAM05, MDLW15, ODAO15, PL07, PLMR17, RPK+12, SBdDJ13, SGM16, SLS+16, TDG18, WM14, WZVR19, XMR+11, ZJMB11, ZJMB12]. appearance-driven [PL07]. Appearance-from-motion [DCP+14b]. Appearance-mimicking [SPH14]. Appearance-space [LH06a, AP08, ATDP11]. AppGen [DTPG11]. AppIm [DCP14a]. Application [BDA11, CA00, DRC+15, RO85, RO87, AG05, BA83]. Applications [APH+14, BIP01, BO01, FO01, SR00, YSHWS16, ACMO10, BZL+15, CH98, DRE+12, DEM96, Fat09a, GKH12, Gue07, HSGL11, JSKJ12, KDR+16, MLA+12, LL10, MMCK14, MASS15, XLC+16, YGL+14]. applied [BLR+11, SABS14]. AppProp [AP08]. Appreciation [Fiu00]. Approach [AOCBC15, Bar86, Cas91, DKD+17a, EM96, FH97, GM84, MC92, MGDA+15, PPV95,
attractiveness [HRZ+13, LCODL08].

Attractors [TFD+18], attribute [LYY+17, TYS09], attribute-based [TYS09]. attributes [LRT+14, OLAI+14]. attribution [Ano10], autodesynth [LYGC15]. Audio [KAL+17, DZS08, EML+18, JMD+17, LLL+18, LXC+15, SSKS17, TGD04, ZXL+18]. Audio-driven [KAL+17, ZXL+18]. audio-visual [EML+18]. Augmentation [SSH18a, JSP17]. Augmented [SMPZ15, SSJ+14, YCP+16, AKL+17, BP12, GMW16, HK18b, JBM+17, KJS+19, LJM+16, LDPT17, MGD05, MLR+14, MKG17]. Augmenting [BBG+13, RPC+10], auroral [BWRB05]. Author [Ano85a, Ano90b, Ano92a, Ano93, Ano94, Ano95, Ano96].

Authoring [BBS+13, CGG+17, PRMG16, CDM+02, GDY+17, MCS15, PTS015, ZBI13]. Authors [Ano82, Ano83, Ano84, Ano86, Ano87, Ano88, Ano89, Ano90c]. AutoCollage [RBHB06]. Autocomplete [PXW18, XWC14, XWSY15]. AutoConnect [KSS+15], Autocuts [PTH+17], autocoder [CKS+17, KCW+18, YIL17]. Autoencoders [LPX+19, LXC+17, SHM+18], autofocus [ZMN+19]. AutoHair [CSW+16], automata [CLM+13, Ols84]. Automated [Cas91, FZBR16, HK12, KG04, LACS08, LJH13b, SaLY+08, DHL14, NMD+17, POT17]. Automatic [AB89, APS+14, AFP+05, BP07, BPK05, CCL12, CYW+16, CLW+14, FNO89, GYQ+18, GASP08, GKT13, HAMM09, HEH05, KSH+14, KAB+10, LHM09, LdPS84, LYO+10, NAH+18, SWT14, SNF05, VAZH+09, WYY+14, YZW+16, BJD+12, CSW+16, CXY+15, DK09, DIP+18, HFTF15, HZG09, ISS16, JBK+12, JTR012, KC19, LPRM02, LRFN04, LSH+10, LHM+18, LZT+19, LKvK+14, MPBC16, Po05, RKKS+07, RCOL09, Sha03, XLY09, XSTN14, YYT+11, YYT+11, YYYT12, BZL+17, MYH+10].

Automatically [LNL+16, MSQ+18, MAS+16, BKD+08, DIO+12, RMBB+13]. Automating [LLN+14, Mac86, SG91]. automultiscopic [DAF+13, DDF+14, EDF+16]. Autonomous [XZY+17, DE05, LXS+18]. Autoscanning [XHS+15, WSL+14], autostereoscopic [MP04, SMG+05]. auxetic [KCD+16]. auxetics [KLPCP18]. Avatar [HSW+17, IBP15]. avatars [BBG+13, CWW+16, LCR+02, NSX+18, SQRH+16]. AverageExplorer [ZLE14]. Averages [BF01, PBDSH13]. avoidance [KOOP11]. avoiding [Fat09a]. Aware [MJJG18, TZS+18, AMG+19, AFTCO07, AS07, BWKS11, CAO09, CAD19, CPD07, CLMK17, DAD+18, DLSC08, DRE+12, EMU15, ESZ+17, FFL10, FSGF16, GO11, HPSZ11, HK18b, HWG+13, KE18, KH10, KRK11, LP18, LRD+16, LLL+18, LYC18, LWCT14, LWH15, LFGJ17, LXS+18, LGG+07, LSC+12, LLR13, MLPP09, OHHD18, PQW+08, PHK11, PGZ+19, PLR+16, PLKD18, RsBB+03, RNd+07, RAW08, RVAL09, SLS+07, SRB+19, TSL+16, TFK+03, TAKW+19, WFS+09, WLP16, WWL+19, XYW+09, YWS+11, ZAC+17, ZJMB12, ZQCL19, ZQPM12].


B [BS88, BS90, CG89, FW12, Pra89, RLU95, WPL06]. B-Spline
[BS88, BS90, RLU95, CG89, WPL06].
B-Splines [Pra89, FW12]. Back [Fo91].
background [ZWZ16, ZYQ14].
backlighting [WLHR12]. Backward
[MEMS06, TJ08]. badly [SBHH16].
balance [BPDP12, HMP18, MZS09].
balancing [PWLS013]. Ball [Sai89].
ballistic [RP03, SP95]. Band
[BBPA15, HC04, LHZ18]. Band-Sifting
[BBPA15]. bandelets [PM05]. Bar [Ols92].
barcodes [MLYZ19]. barriers [LHCR10].
barycentric [BPC16, BLTD16, ZDL14].
Bas [SKC14, WDB10]. Bas-relief
[SKC14, WB07]. Base
[War92, GDC15, LVS13]. base-complex
[GDC15, LVS13]. baseball [TAH04].
Based [AASP17b, AFR95, BD86, BVF17b,
BBPA15, DFMM88, ER18, GNHM15, HWZ14,
HC86, HZE19, HJS14, KMP1, LZX19,
LYV16, LH17a, LSSW19, MCY14, ST16,
SLGS01, SS00, Wes88, YYL19, YIC14,
AHSS04, AVM16, AASP17a, AVF17,
AVB08, ATW17, AG05, ASF13, AAM03,
BBP10, BP08, BDB11, BC02, BBG13,
BSH04, BK17, BSPP13, BJD12,
BNB13, BD02, BldG16, CWW16, CH07,
CFL15, CKG11, CDGD13, CNX08,
CKW15, CLW12, CBL16, CGZ08, CT17,
CTM13, CBvdP09, CWW13b, DBG14,
DSB12, DJ17, DS15, DCP14a, DYN03,
DKN08, DDT15, DFL15, DCOY03,
DYY16, DDB17, DLKS18, ERB12, EC96,
EVC15, EHS19, ER07, FC09, JFL16,
FJS17, FH10, FR812, FH04b, FTZ19,
FK17, GPC13, GZ05, GvdPvdS13,
GPD18, GGG13, GB13, GLA19,
GBFP11, GZ08, DJ18a, GMP09, GBC13,
GMHP04, GDG17, GBK05, GS04]. based
[HM05, HR05, HW16, HGY17, HLW18,
HT14, HCL18, HTER04, HRR16,
HPP18, HLR17, HMG03, HHC19,
HZZ13, HES12, IKK17, IWW10,
JLS10, JYL09, JL11a, JZW15, JMD17,
JWJ14, JTSB16, JZvdP18, KIL16,
KSB13, KWR16, KJM10, KCKK12,
KRFB06, KTY09, hKPS03, KLM13, KO11,
KWB15, KNC28, KLS13, KEBK05,
LWA12, LK02, LdPS84, Lee05, LAD08,
LKG13a, LWP10, LWC12, LWL17,
LPL18, LLX11, IW019, LHP05,
LYvdP18, LCL17, LH17b, LCT19,
LYD12, LB13, MM12, MHH09, MS05,
MTRG11, MP02, MSN11, MLH09,
MRA13, MWRD12, MBT15, MS04,
MWH09, MdH10, MRC05, MHTG05,
MZM07, NSAC05, NKA08, NF07,
NFJ02, ODGK03, OPD010, OG12, OG15,
PRP15, PKG06, PAK12, PALvdB18,
PTV17, PHS18, QYH16, QTZ06,
RYL13, RDL15, ROA13, SML12, SLS14,
SZK15, SS19, SDKN18, SNM13, SHHD17,
SJJ12, SKY12, Sh03]. based
[SMZ14, SAC04, SLM05, SZZT18, S08,
SH08, SKY12, SKLY08, SKM09,
SV19, SKD14, SGa10, SSD09b, SZG05,
Sua06, TK05, TPSH13, TZZ07,
TEG18, TWL18, TYS09, TD16, TDM11,
TCG14, TWGT10, TOS13, VCR13,
VT04, VB105, VBFG12, VBBF16, VSHJ12,
WPC14, WRDF13, Wam16, WPL06,
WZT18b, WYZG09, WWZ09, WHRO10,
WLS10, WXY11, WFD12, WHDK12,
WHY13, WMZ13, Wan15, WZB17,
WLG17, WZK17, WST18, WQLJ18,
WBLP11, WP10, WLHR11, WMP10,
WLH13, WDR11, WZH14, WBG16,
XYL09, XFT10, XZF10, XKK10,
XGC07, XLJ09, XZW10, XLS11,
XTF12, XCF13, XUC14, XBI7,
XSH08, Y117, YTS11, YCL15, YRPF09,
YZ04, YZX04, YT13, ZG04, ZWGS02,
ZMT05, ZHLB10, ZM11, ZCW17, ZZMC13,
ZJ12, ZGW13, ZHI11, ZDI15, ZPKG02,
dGWH15, dLMH10, vW02, vFTS06]. bases
[DCD15, HT14, LDF14, WST09].
basis [ASK12, Coh87, HRV97, SR97, SR00,
SSC10, Sze06, TS06, ZM11]. basketball
[HL18]. Batch [FHL18]. Batch-Shading
Bodies [BC14, CM04, CF13, DBB+17, GBF03, HRZ+13, IGLF06, JTSB16, KEP05, LHLK10, PMS12, RGL05, RTB17, SZK15, WMW15, XZL+10]. Body [SQRH+16, ACP02, ACP03, CZJ12, EO10, FTP16, HHIC+19, HFG+18, KIL+16, KE18, KP11b, LJ14, LST09, LTK09, LYWG13, MTP+18, MEM+19, PRMG16, PSE03, SPS+11, TTL12, TVB12, TJO8, VSK+17, WY16, WSJP17, WZC12, WP12, ZSZ+14, ZJ10, ZBG15]. body-mounted [SPS+11]. bodybuilding [SZK15].

Bother [MRF06]. Breathing [STXJ15].

Book [BC14, CM04, CF13, DBB+17, GBF03, HRZ+13, IGLF06, JTSB16, KEP05, LHLK10, PMS12, RGL05, RTB17, SZK15, WMW15, XZL+10]. Body [SQRH+16, ACP02, ACP03, CZJ12, EO10, FTP16, HHIC+19, HFG+18, KIL+16, KE18, KP11b, LJ14, LST09, LTK09, LYWG13, MTP+18, MEM+19, PRMG16, PSE03, SPS+11, TTL12, TVB12, TJO8, VSK+17, WY16, WSJP17, WZC12, WP12, ZSZ+14, ZJ10, ZBG15]. body-mounted [SPS+11]. bodybuilding [SZK15].

Bokode [MRF06]. Breathing [STXJ15].

Book [BC14, CM04, CF13, DBB+17, GBF03, HRZ+13, IGLF06, JTSB16, KEP05, LHLK10, PMS12, RGL05, RTB17, SZK15, WMW15, XZL+10]. Body [SQRH+16, ACP02, ACP03, CZJ12, EO10, FTP16, HHIC+19, HFG+18, KIL+16, KE18, KP11b, LJ14, LST09, LTK09, LYWG13, MTP+18, MEM+19, PRMG16, PSE03, SPS+11, TTL12, TVB12, TJO8, VSK+17, WY16, WSJP17, WZC12, WP12, ZSZ+14, ZJ10, ZBG15]. body-mounted [SPS+11]. bodybuilding [SZK15].

Bother [MRF06]. Breathing [STXJ15].
compensation [BHW13, SRB+19].
compilation [LS02]. compiler [MAN+16].
compiling [HBD+14]. Complement
[CY17b, PAK+19, CY17a, LMAS16].
Complement-based [PAK+19].
Complementme [SSK+17]. complete
[RHJD18]. completion
[ASK+05, DCOY03, FMLW14, HTG14,
HE07, HYG+13, HAK14, HAK16,
HWH+16, ISS17, KKD12, LLV+12,
SAC04, SYJS05, SKAG15]. Complex
[BYRN17a, DBP+15, HJS+14, SW14,
VADWG15, BYRN17b, BAOR06, CAC0+2,
CJAMJ05, DDP02, EHDR11, EMF02,
FGBP11, GGN18, GDC15, GM05, GLY+03,
JBP06, JSP17, KH06, KTS+14, KBT17,
KSSC008, LZJ16, LDS03, LRA+07, LP02,
LYS+13, MZD05, MB12, MTP12, PMS12,
PK04, RSM+10a, RBF08, SS14, SILN11,
TGD04, WM03, YMR+13]. Complexes
[PBCF93, AA06, DRvdP14, GD02, ZQC+14].
complexity [CI84, ME05]. compliant
[MZB+17]. component
[KCKK12, SSK+17, YWS+11].
component-based [KCKK12].
components [DYY16, FH+17, NKGR06,
NVW+13, SHHS03, SFWG04, WZF+18].
composable [FH11]. compose
[DeR88]. Composing
[HC85]. Compositions
[CT82, Coo86, Gol84, Gol85a, Hil86,
KP92, MSK10, MRC+86, Pav90, SMPZ15,
SLGS01, WP90, Ano03, ACMS10, Gol02,
HCW15, ILB15, KFS13, PVL+05, SHL+17,
TL04, WQLJ18, YGM97, ZAJ+15].
computer-assisted
[ILB15]. computer-controlled
[Ano03].
Computer-Aided [BG89b, Gol84].
Computational [KTY09]. compute
[LMAS16]. computed [Bae18, IYY14].
Computer
[BG89b, CT82, Coo86, Gol84, Gol85a, Hil86,
KP92, MSK10, MRC+86, Pav90, SMPZ15,
SLGS01, WP90, Ano03, ACMS10, Gol02,
HCW15, ILB15, KFS13, PVL+05, SHL+17,
TL04, WQLJ18, YGM97, ZAJ+15].
computer-generated [MSK10, ZAJ+15].
Computer-generated
[MSK10, ZAJ+15]. Computing
[ACP+01, BHK14, CCW93, DLSCSO8,
DEM96, FCJ07, FH15, FL16, GOMP98,
HBLM11, LWS+15, LPS+13, PYW14, PV06,
SS19, YYL+19, ZW+18, BFH+04,
CWW13b, OK10, PNH+14, SCS+08, YPB16].
concatenative [AJM12]. Concept
[IBB15, LB84, SBSS12, SLZ+13].
Concurrency [Hil86]. concurrent [BSL12].
condensation [TMDK15]. conditional
[GDG\textsuperscript{+}17]. Conditions [BS88, SGWJ18,
BBPD12, KO11, MKRH11, MAF\textsuperscript{+}09]. Cone
[SSZC010, LSVT15, SCC18]. cones
[TAV\textsuperscript{+}10, Van06]. conferencing [KPB\textsuperscript{+}12].
configurable [Pel05]. configuring
[RvBB\textsuperscript{+}03]. conflation [WJ19]. confocal
[LCV\textsuperscript{+}04]. Conformal
[SSP08, VMW15, CPS15, CPS06, LPRM02, SSC18, WG10]. Conformation
[BGFAO17]. conforming
[ACA\textsuperscript{+}19, HGCO\textsuperscript{+}12]. congruent
[AMCO08]. Conic
[Pav83, PK83, Pot91]. conical
[LPW\textsuperscript{+}06]. conics
[Far89]. Conjoining
[NSX\textsuperscript{+}11]. conjugate
[BFGS03, LXW\textsuperscript{+}11]. Connect
[LKvK\textsuperscript{+}14]. Connect-The-Dots
[LKV\textsuperscript{+}14]. Connected
[ZGH\textsuperscript{*}16, ICG17]. Connecting
[SJR18, GITH14]. Connection
[LTD16, BW10, GKS12, NCMO05]. connections
[PVG19, TH19]. Connectivity
[PZKW11, GLLR11]. connectors
[KSS\textsuperscript{+}15, LOM11]. conquer
[Mor11]. conservative [ANZS18, QZG\textsuperscript{+}19].
conserving [ISF07]. Considerations
[VB94, VB95]. Consistency
[RO04, BTS\textsuperscript{+}15, HSGL13, LWA\textsuperscript{+}12]. Consistent
[ACBCO17, DNZ\textsuperscript{+}17b, RSM10b, ASL\textsuperscript{+}17, CRA11, DNZ\textsuperscript{+}17a, DDT\textsuperscript{+}15, HZG\textsuperscript{+}12, ISS17, LCK\textsuperscript{+}14].
consistently [LWC\textsuperscript{+}11]. consolidating
[LR18]. Consolidation
[HLY\textsuperscript{+}09, WHG\textsuperscript{+}15, ZSW\textsuperscript{+}10]. constant
[PCL\textsuperscript{+}12]. Constrained
[BR94, MVH\textsuperscript{+}17, SW18, BSD09, CBVdP08, KSG03, LZC\textsuperscript{+}18, MS13, MZ13, SJLP11, TBT10, TNGF15, WGB16, YYFM11, YK14, ZJL14, ZHJC15].
Restraining [YCP16]. Constraint
[BDW6, CH07, Sha03, BML\textsuperscript{+}14, HK12, JASR99, KHD14, SAZK06, WG09].
Constraint-Based [BDW6, CH07, Sha03].
constraint-solving [JASR99]. Constraints
[TH97, Gol84, KF93, RW94, SW14, TQ94, AFC\textsuperscript{+}10, BGFAO17, HSG\textsuperscript{+}19, HZ82, IOI05, JTCW07, KOP11, SVTS14, XLC\textsuperscript{+}16, YL08, YYW\textsuperscript{+}12a].
Construct-Aide [KGFF14]. Constructing
[LFXH17, MS\textsuperscript{+}19a, KSG03]. Construction
[FG90, HJS\textsuperscript{+}14, LMAH\textsuperscript{+}18, SH07, SB95, WLY\textsuperscript{+}16, BO04, BLYD16, CCG\textsuperscript{+}04, DS15, DPK11, DFM13, FZLM11, IIM12, KGG14, LXHF15, LVS\textsuperscript{+}13, WWT\textsuperscript{+}06, WG09, XK07, YZ04, ZM11, ZHWG08, vTSS13].
Constructs [DB88]. Constructive
[CCK92, FH97, JASR99, LDF14]. Constructor
[VKJ\textsuperscript{+}17]. Consumer
[CKH18, LWC14, WZ\textsuperscript{+}14, ZK14]. Contact
[Etl18, KL17a, MHNT15, MLPP09, PAK\textsuperscript{+}19, TFD\textsuperscript{+}18, AVGT12, AFC\textsuperscript{+}10, BLT\textsuperscript{+}15, BFA02, DBD13, GHF\textsuperscript{+}18, HVS\textsuperscript{+}09, JTL\textsuperscript{+}12, JGT17, JLF\textsuperscript{+}09, KLM10, KLS17, KJS10, KP03, LJJ\textsuperscript{+}11, LDN\textsuperscript{+}18, LY\textsuperscript{+}01, LCB\textsuperscript{+}18, MZS\textsuperscript{+}11, MTP12, MWTK13, PRW18, TK14, VBG\textsuperscript{+}13, YL12, ZJ11].
Contact-aware [MLPP09].
contact-invariant [MT12, MWTK13].
contact-rich [LY\textsuperscript{+}10]. contact-space
[JTL\textsuperscript{+}12]. contacts [JL11a]. Content
[KSP13, LHRK10, LGJA09, THKM13, ZQKL19, AFR\textsuperscript{+}07, AS07, BLDA11, CA09, HDGN17, MRC05, WWOH08, XLZ\textsuperscript{+}10].
Content-adaptive
[KSP13, LHRK10, THKM13, BLDA11]. Content-aware
[ZQKL19, AS07].
content-based [MRC05].
Content-preserving [LGJA09, CA09].
Contention [HC86]. Context
[FH10, HTG14, LGG\textsuperscript{+}07, SAC04, HZK\textsuperscript{+}15, KP18, LMS13, LSD\textsuperscript{+}16, PKM\textsuperscript{+}11, WLP16, MG\textsuperscript{+}03].
Context-aware
[LG\textsuperscript{+}07, KP18, LSG\textsuperscript{+}16, WLP16].
Context-based [FH10, HTG14, SAC04].
contextual [CLW\textsuperscript{+}14, XMZ\textsuperscript{+}14].
contingent [ATM\textsuperscript{+}17, MSM\textsuperscript{+}17]. continua
[NO13]. Continuation [YCBvdP08].
Continuity [BS88, DB88, GP09, SYSP14, Far89, HH10, HB89, Pot91]. Continuous [KP03, LHW+12, MM08, PP03, PMA+14, RPWO18, SMP03, Se93, SHD+14, TMOT12, TSLP14, YIC+14, ZRLK07, ZLW+16, BGSF10, BEB12, DTP15, Kou16, Lev06, OLGM11, PRJ+13, SMGH18, TMY+11, TTWM14, TBC+16, TLP07, TFG+13, Wan14, WHK17, WHD12, dLMH10].
continuously [TDMS16, ZIT+18].
Continuum [TCP06, YSB+15, DBD16, MSW+09, WFL+19, YSC+18].
contoning [BVF+17a]. Contour [DLTW90, Zyd88, PV06, VMT06].
contouring [BGOS06, JLSW02]. Contours [EP091, MSS92, BHK14, DFRS03, SPO10].
contraction [ATC+08]. contraptions [RCLM19].
Contrast [MC92, DRE+12, HSHF10, STTP14, THG99, TAKW+19].
Contributing [BDD11]. Control [BB83, BSM88, BVF17b, DLG90, EHS+18, Hi87, LHJ+14, LXY+16, LH17a, PM17b, SLST14, AVF17, BP08, BdsP09, CH05, CWC11, C infectious, CBvdP09, CBvdP10, DZS08, DKNY08, HYL12, HRL15, HGG+11, HSvTP12, HKS17, HHC+19, HZM+08, IWL09, ITM+14, JL11b, JW+13, KLL+07, KCD09, LCR+02, LT06, LKL10, LES10, LPKL14, LYP+18, LLL18, LPL11, LW+12, LC15, LYvP+10, LYvPG12, LWYG13, LHHb, MTP+18, MZS09, MTPS04, MLPP09, MPP11, NZC+18, OHB+11, PM17a, PSE03, RSH+05a, RTK+15, RCO109, RJN16, SSB+15, SBR+15, SJJ12, SGM+16, SH08, SMD+15, TPS03, TLP07, TJ07, VSHJ12, WMZ+13, WWH04, WKLP17, WPL18, cWP10, XY13, YL10, YLVDP07, YHZ+14, ZSFS18, ZZMC13, dSdP09].
Controllable [SY05, SG01, WG10, XCLT14, LH05, MDLW15, Pot91, TiABI07].
Controlled [CCW93, MZ13, AHD15, Ano03, ESCK16, FSH11a, HSD13, HZCJ17].
Controlled-distortion [MZ13]. Controller [AFP+95, Gla90, BG84, XDF+19]. Controller-Based [AFP+95]. controllers [CHP07, LLP09, LKTK10, LKLP11, MK16, WFI09, WHK10, WHD12, dLMH10].
Controlling [JL11a, KABL14, KH17a, RMGH15, KH17b]. conventional [LFDF07]. Convergence [SJ17]. conversational [SDO+04].
conversations [EM010]. Conversion [RWW90, SV93, DIP+18, KDW+17].
Converting [LOMI11, EPD09]. Convex [Day90, MPB17a, TM84, Bbd11, BLTD16, FLSG14, HZ82, MK16, MPB17b, MCK13, TLJP18].
Convexity [VFK+14, AA09, LW16]. conveying [DFRS03]. Convolution [FFL11, HRV+18, LLDO09, FNA+15, PSNB13, PO18].
Convoluutional [GZ15, HKC+18]. MGA+17, SdGP+15, TSLP14, AML18, BVM+17, BB15, KHL19, LDPT17, SED16, SSISI16, WL+17, WSCR18].
Coons [KOY+11]. cooperation [EAPL06].
Coordinate [Tur82]. Coordinates [FHL+09, BPC16, BLTD16, HF06, JMD+07, JSW05, LJJ13a, LSLCO05, PBH15, TMB18, YL08, ZDL+14, LLO08].
coordination [YLP12]. Cope [EM90].
copy [LvBK+10].
core [CGG+04, IG03, NNSM07, SCS+08, SBZ09, WWS+05, WHY+13].
CoreCavity [NAI+18].
corresponding [YLF18].
corners [LD06].
corotational [HLO12, TREO16].
corrected [WKR99].
Correcting [HLBR12, HWBR14, KLF+19, RMD12, WFDH18].
correction [KPB+12, MHM+17].
Corrective [GZW+16, SP09].
correctives [LYB13].
correlated [GCH+19, JAG18].
Correlation [GHN15, CHWH17, FKY08, ÖG12].
Correlation-Based [GHN15].
Correlations [SCO17b, SCO17a].
Correspondence [Sah18, ALS+18, AXZ+15, BSFG09, HGL11, LF09, SPKS16, ZYL+17].
Correspondences
[SBK+18, WPMR09]. **custom-ink**
[SBK+18]. **customizable** [SSM15].
**Customization** [RO94, JFH+15].
**Customizing** [MGA+15]. **Cut**
[BMBZ02, CPWA08, LSS05, PTH+17].
**Cut-and-paste** [BMBZ02]. **cutaway**
[LR+07]. **cutaways** [BF08]. **cutout**
[BWSS09, BJS+08, FZL+15, WBC+05, ZQPM12].
**cuts**
[BLA12, GF08, KT03, KSE+03, LKK+18, LVS+13, RKB04, TDM+14].
**cutting** [LVS15b].
**cycles** [LVS13, RKB04, TDM11, TMB18, TS08, TF03, TMB14, UTB+19].
**cylinder** [ZYH+15]. **Cylinders**
[BK85, AMZ99, BK87].

**D**
[BIP01, Bou18, GIZ09, SLV+13, AJS19, AKZ+17, AWL+19, AL13, ALX+14, AXZ+15, AZB09, AAR05, AIH+08, ARS14, BVF+17a, BKLP16, BHR13, BP07, BSS+11, BSK+16, BS02, BNN+12, BSS+13, BVG11, BGR+13, BWSS12, BV516, Bly06, BS+07, BR07, BAU15, BATU18, CCA+12, CB04, CWLZ13, CKH18, CMZP14, CK10, CKGK11, CGF09, CSF+12, Che13, CLB+13, CLW+14, CZL+15, CKIW15, CLF+18, DNZ+17b, DNF+17a, DS15, DLSC08, DS+13, DDK+16, DIP+18, DHL14, DD02, DBB+17, ESK16, EBG14, EDF+16, EP09, ESZ+17, EM96, FZB16, FJL+16, FH10, FRS+12, FSL+15, FMK+03, GDAB+17a, GDAB+17b, GZW+16, GZC+16, GIZ09, GM05, GF08, GGS03, GTDS10, GKH12, GWN+03, GB05, GFD+12, GRT13, GZC15, GX3+17a, HGRT04, HGY17, HASK17, HK18a, HNH19, HIl87, HLR09, HLC10, HKD07, HMC11, HL+17a, HL+17b, HTWB11, HCTW11, HHT15].

**D**
[HMT+15, HDGN17, HUd92, HOM15, IBP15, IG+17, ICG17, JTR12, JBM+17, JSKJ12, JLF+09, JZH07, KMM+02, KHS10, KH06, KSH+14, KDM+16, KDR+16, KSES14, KMYG12, KLM+12, KRD+12, KLM+13, KLLK13, KTL+04, KDMW17, KFCO+07, KSS+15, KS04b, KYC+17, LMS13, LHW+10, LRAT08, LHR10, LXXS99, LOM11, LHX+09, LRA+07, LACS08, LT09, LSH+10, LYG+13, LPL+17, LBB+17b, LHM+18, LCOZ+11, LYW18, LFW18, LGQA09, LWC14, LHLF15, LKG+03b, LFL09, LVBK+10, LHVT17a, LHVT17b, LSS+14, LBRM12, MLZ+16, MPF+18, MHS+19a, MLYY19, MA+92, MWH+13, MPT+18, MSHS06, MPDW03, MPN+02, MP04, MAN+16, MTN+15, MKP+17, MP05, MYP06, MYW15, MLS+18, NG18, NLGK18, NAH+18, NIS07, NRRD05, NZIS13, OXH+14, OHB+11, OLGM11, ONO104, Par17, PGP+19, PMW+08, P05, PXW18, PZ17, PRM14, PSG+06, PMPB17, PWLSH13, RAW08, RSL16, RF108, RID10, RDI0, RMD12, RHH02, RMAB+13].
**D**
[SS14, SHM+18, SCH+14, SLV+13, SS011, SSK09, SBR+15, SHL+17, SF07, Shn92, SSS+08, SARW+15, SSS06, SDW+16, SBV+12, SQRH+16, SRB+19, SSK+17, TDL+18, TD16, TDM11, TB18, TS08, TF03, TMB14, UTB+19, VVC+15, VSH12, WBF+17a, WBF1b7b, WAO+09, WYY+13, WG3+13, WSCX16, WLG+17, WSLT18, WSH+18, WLX+18, WKA18, WXLY17, WLH11, WDB+07, WSW+12, WZQ+18, WWL+19, XLF+11, XIA+17, XLJ09, XZT+09, XZZ+11, XZOC12, XCF+13, XSE+14, XZ3+16, YL17, YSL+14, YMRD15, YSC+16, YLJ18, YWS+11, YKC+16, YZZ+18, YSHWS16, ZLP+15, ZAC+17, ZWW+18, ZWK14, ZSW+10, ZNS14, ZK14, Zhou18, ZCZJ13, ZNN+14, ZPK02].

**D-**
[LWC14, YWS+11].
**D-modeling** [TS08]. **D-printable**
[KSS+15, LBRM12, MTN+15]. **D-printing**
[CCA+12]. **D-shape** [WWL+19]. **D-to-**
[GIZ09]. **DAGs** [KSA13]. **damage**
[WFL+19]. **damping** [XH17]. **Dapper**
[CEZL+15b]. **Dappled** [VRA+07]. **Dark**
[JGC+15, KF09]. Darkroom [HBD+14].
DART [MGDB05]. Darts
[MEA+18, EPM+14]. Data
[CK10, CLSM15, CT17, Fo87, GLL+16, HFL14, JHS12, JWL+13, KNS+09, KPMP+17, LJS+15, LKL10, Lev90, LCODL08, LCX16, MTP+15, NRS15, PH08, RO85, SPDF13, SMGE11, SKAG15, Tsa15, WYW+10, WOR11, AA09, ACP02, BCG05, BKR+05, Che13, CLW+14, CLS03, DH06, FKY08, FCGH08, Ho18, HDK07, JLB05, JLSW02, KHS03, KG04, LBJK09, LCR+02, LCL06, LSK+06, LGZ+13, LGF04, MUB15, MPBM03, MRC05, RPE+05, SNF05, SSII18b, SKL07, SJR18, TZR+11, WAO+09, WWS+05, WLL+14, WSL13, ZCW+17, ZLE14, JTCW07, RO87]. Data-Driven
[GLL+16, NRS15, Tsa15, CK10, CLSM15, CT17, HFL14, JHS12, JWL+13, KNS+09, KPMP+17, LJS+15, LKL10, LCODL08, LCX16, MTP+15, PH08, SPDF13, SMGE11, SKAG15, WYW+10, WOR11, MUB15, MPBM03, RPE+05, SNF05, SSII18b, SKL07, SJR18, TZR+11, WAO+09, WWS+05, WLL+14, WSL13, ZCW+17, ZLE14, JTCW07].

Database
[GF82, HMLL15, SBHH16, XLS+11].

Databases [Ari06, MPF+18]. dataflow
[HZG09]. Dataset [WGY+18]. datasets
[BZL+15, KGB+09, OAH11]. day
[SPDF13, WM14], de-animating
[BAAR12], dead [KHS03], deblurring
[CL09, CWL12, JKZS10, LWC+13, RAT06, SJA08, WBB+12, YSQS07]. Debugging
[HZG09, DNB+05], decal [SGW06].
decimation [DTB06]. decision [DPF03].

Declarations [GF82]. DecoBrush
[LBW+14], decodable [KPM16].

Decomposable [Zyd88]. decompose
[CLZ+15b, Rit18, ZZX+18], decompose-and-pack [CLZ+15b], decompose-and-spiral-carve [ZZX+18].

Decomposed [LGL+19]. Decomposing
[TDSG15, TLG17a, TLG17b].

Decomposition

[BBPA15, LW15, MLS+18, SBN15, TM84, AFO05, Bel18, BHY15, CRA11, GLDZ15, GNS+12, GJY+05, HLC014, KT03, Kho16, KHLN17, LD12, LGZ+13, NAI+18, PK05, SSD09b, TEG18, TLJP18, TLHD03, XKK+06, ZZWC12, ZYH+15].

decompositions
[FFLS08, MSM+17, MCK13].
deconvolution [KWB+13, YSQS08].

Decorative
[YKGA17a, LBW+14, YKGA17b].
decorator [CXY+15]. decorcs [CML+17].

Decoupled
[RKLC+11, CTM13].

Decoupling
[RKAP+12, SHD+18, WYL+14, LFJG17].

Deducing [LYL08]. Deep
[ACOH+18, CM14, Duf17a, Duf17b, EKM17, GLD+19, GCPD16, GCB+17, GZC15, HWH+18, HCL+18, HPP+18, HKA+18, KRI7, KMM+17a, KHL19, KP18, KGT+18, KNC+08, LLW17, LH17a, LSSS18, MHP+19, NZC+18, SCO17a, SCO17b, SBBK+18, WSCR18, WHG+15, WSS18, XSHR18, XBS+19, YZW+16, YHL+18, BODQ18, CYT+18, DAD+18, EKD+17, HGY17, HLW+18, HSK16, LGA+18, LYY+17, LOW18, LH17b, LH18, LZT+19, MTP+18, PBvdP16, PBVY17, PLSvP18, PSH+18, TKY+17, WSL18, ZZZ+17].

DeepFocus
[XKF+18]. DeepLens [WSS+18].

DeepLoco [PBVY17]. DeepMimic
[PLvdP18]. DeepSketch2Face [HGY17].

DeepToF [MHM+17].

Defending [Wan14].

Deferred [TZN19, CTM13].

deficiencies
[SMHW16].

Defined [Kaj83, vW84].

Defining [AK04, HLY+17a, HLY+17b].

Definition [Vov96].

Defocus
[MMP+05, VMCS15, BSS+13, HQL+10, ZNN06, ZMN+19].

defocused [MLR+14].

Deformable
[BDSP09, BC14, CMT+12, MEM+19, PM18, VJ19, BJ05, BSG12, CF13, DSP06, DLL+18, FGBP11, GJK+05, GSLF05, HSvTP12, HNB+06, IM10, ISF07, JF03,
Deformables [KBT17]. Deformation
[AXZ+15, BSB16, CO19, GLL+16, GPHSH19, JS11, JWJ+14, SP04, WWY+15, ZYL+17, ACP02, BODO18, BVGP09, BZ11, BCWG09, BBO+10, BSB17, BWKS11, BJD+12, CW17, CsvnV18, FH07, FKY08, FYK10, GB08a, GYQ+18, GPCP13, HSL+06, JBPS11, JP02, JTSB16, MJC+08, NFA+15, NVW+13, POB09, PH06, PH08, RS98, RTD+10, RJ07, SMP03, SMW06, SYBF06, SZT+07, SSP07, VBG+13, WGBK16, WY04, WBGB16, YK14, YCHK15, ZHS+05, ZPBK17]. Deformation-driven
[AXZ+15, ZYL+17, MJC+08].

Deformations [BR94, AKJ08, CGC+02, CPS10, CPS15, HZ13, JZvdP+08, KG05, LKF12, MZL+17, MJBF02, MHTG05, TMDK15, VMW15, Wan16, ZJ12, vFTS06].
deformers [KS12, PMS12]. Deforming
[WTGT09, KG06, SSW+13, TMY+11, XZY+07, ZIT+18, ZIT+19]. Degenerate
[EM90, FN089]. degenerations [GPSZ11].

Degree
[Se93, SJ94, CADS09, CLS85, PU06].
degree-raising [CLS85]. Dehazing
[Fat14, Fat08]. Delaunay
[BSTY15, FAB+18, ILSS06, KLN91, LXFH15, LFHX17, TWAD09, YLH18]. Delay
[AN030]. delta [L19].

Demarcating [KST08]. demonstration
[GL+09]. demosnaicking [GCPD16].

Denoising [VRM+18, BVM+17, CKS+17, FDC003, GCPD16, GLA+19, HS13, Hol18, LYT+14, WL16]. Dense
[HLC+19, SB95, ZK13, BNB13, CKS18, DXZ+19, HSGL11, KRF+18, LD13, NGCLO9, OCH+16, XIAP+17].
dense-weight [LD13]. Densely
[YSHWSH16]. densification [HK18b].
density [DLC+15, DJBJ19, Fat11, GHV+18, HJJ10, WHSC97]. departures [WDW+15].

Dependency [GF82]. Dependent
[YSB+15, WWT+03]. depict [CSD+09].

Depicting [GLSLM+08, LMPB+13, RBD06].
depiction [TDR+12, VPB+09a].

Depixelizing [KL11]. deployable
[PKL19]. deployment [KLPC18].

Depth
[CDSHD13, CSN+12, Jan91, LES09, LKE18, VKB+18, AHAM15, BGIK16, BCN08, BHR13, BBO91, CZL+15a, CZN10, FKI+14, FG11, GWM+08, HLHR09, HK18b, JTL+12, KHKR11, LSR18, LDFO07, LHG+09, LCD06, McC00, MDB+19, PM13, RTF+04, STXJ15, SPD+18, SSD+09a, SHM+14, TK14, WGJ+18, WZC12, WM12, WZ+14, XZS+16, ZSS+14, ZK14].

Depth-of-field
[LES09, KHKR11, LSR18, WGJ+18].

Depth-Order [Jan91]. Depth-presorted
[CSN+12]. depth-sensing [HLHR09].

Depths [Che92]. Derening
[WWSH06].
derivation [WKR99]. Derivative
[LTD16, LC96]. Derivatives
[AOCBC15, OKRC10]. derive [Spr82].

Descent [WY16, YLYW18]. descreening
[KP18]. describing [RBF+04].

Description [dFP95]. descriptive
[GSV+17]. Describer
[MOR+18, GMW16, HZvK+15, KSH+16, SvKK+11].
descriptor-space [SvKK+11]. Descriptors
[HKC+18, CT17, TD16]. DESIA
[WSP18].

Design [BI92, BG89b, BWSS12, BBO91, BR94, BSBC12, BAC+18, Cas91, FSDH07, GDB+17a, Gol84, Gol85a, JTSW17, LTDD16, LHVT17a, Mac86, PPV95, PTC+15, RHW94, SSL+14, SW14, SG91, TBW16, VHWP12, XH+18, XLCB15, YKGA17a, AMG+18, AMG+19, AHB18, ACBCO17, BB15, BCC17, BLT+15, CK14b, CZXZ14, CLSM15, CLMK17, CPWAP08, CTN+13, DLC+15, DSZ+16, DYYT15, FY+16, GDAB+17b, GSFD+14, GJG16,
GPD18, GSV17, IIM12, KP09, KP10, KCD+16, KSS15, KSS17, KAM05, LSD16, IWS18, LXW11, LZF19, LKvK14, LHVT17, LCBD18, MZL17, MGDB05, MPBC16, MPI18, MDSL15, MSS19, MZO05, MTN15, MZB17, MSL11, MMT18, MLB16, MIW16, MI07, PZ07, PRK17, PTG02, PYB18, POT17, PTV17, RLLO8, RRS13, SXZ17, SWC18, STTP14, STC13, SGT15, SWT17, SZ15, TGY09, TCG14, UBW99, UMK17, UIM12, UKSI14, UPSW16, UB18.

**Design** \[VABW09, VGDA12, VBFG12, WJK15, WCPM18, WLM15, WDR11, WDR13, XSB15, XB17, XKC18, XDF19, YWVW13, YKGA17b, YCC17, Liu18, Mit18, Pan18, Rit18, Ter18, Wan18b, Xu18, Zha18, Zhu18a, Zhu18b].

**Design-driven** \[BWSS12]. **Designing** \[APH03, CLM13, PRH13, PWP18, RCLM19, STK14, ZCT16, Coh87, JRT15, NIS07, ONO04, WSP18]. **Designs** \[CKX08, DFL15, LYT15, PKM11, PCLC16, ZCL18]. **designed** \[BBO10, MZL17, ZKB17]. **desktop** \[LRFN04]. **destination** \[KAB10]. **Detail** \[FH07, HK10a, MSW09, SK16, CH04, CHPR07, ECK14, FFLS08, FAR07, FKY10, HFFT15, KGS18, LKG03a, NASC005, PSNB13, PKZ04, RBD06, WWA16, YKJM12, ZNT18].

**Detail-Preserving** \[SK16, HK10a, NASC005, WWA16, ZNT18]. **Detailed** \[BBK15, EB14, AFO05, DKK10, GVW07, GMP06, KMB09, YL12].

**details** \[Bae18, BC18, Boud18, Cor18, Did18, Gup18, Hac18, Iza18, JCM09b, Kal18, Kau18, Kim18, Lau18, Lee18, Li18, Lip18, Liu18, Mit18, Pan18, Rit18, Ter18, Wan18b, Xu18, Zha18, Zhu18a, Zhu18b].

**Detection** \[RV89, BEB12, CMZP14, DAB15, GKI05, Hub96, JP04, MSHS06, Mr98, MGP06, RTF04, SPO10, TTWM14, Wan14, WLH13, XZJ12, YNS19, ZRLK07]. **Detections** \[NY94]. **Determination** \[EM96, SNF05]. **deterministic** \[GGY18]. **deterministic-stochastic** \[GGY18].

**Developability** \[SGC18]. **Developable** \[JHR15, RSH18a, SRH15, TBWP16, EB08, KCD16, LPW06]. **Development** \[WWS8, HFH17]. **developmental** \[PNH14]. **Deviation** \[WDW15]. **Device** \[GFMS95, GMP16, JPG14].

**Device-Directed** \[GFMS95]. **Devices** \[LMR83, NKK14, RV93, GHGH13, XBZ19]. **Dexterous** \[LYP18, HMT15]. **Dextrous** \[Liu09]. **DFlow** \[DTP15].

**Diagrams** \[LFXH17, AGL17, GS85, IOI05, LACS08, MHS18, SGG06, XLC06, dgWH15]. **DiagSplit** \[FFB15]. **Dialogue** \[Gre86, LD17]. **dialogue-driven** \[LD17]. **dictionaries** \[GZB13, MWBR13]. **dictionary** \[XZ14].

**diff** \[BDG15]. **difference** \[CHWH17, GWAB19, HRV97]. **Differences** \[VMMK00, WGY18, BBK15].

**Different** \[SPDF13]. **Differentiable** \[LADL18, LGA18, TYY19]. **Differential** \[WW11, LXY16, YLH18]. **differentiation** \[Gue07]. **difficult** \[JM12]. **diffing** \[DP13].

**dissolved** \[JBY15]. **Diffraction** \[TG17b, CBH12, HP17, SMM14, TG17a, YJB14].

**diffusive** \[Fre16, WVJH17]. **diffuse** \[DDTP15, MWRD13, SMM14, SJR18].

**diffuse-specular** \[SRJ18]. **Diffusion** \[BAU15, CNZ10, FFL10, Kni87, OBW08, SXD12, TMRL14, BX03, CA009, DI11, DJ05, IKCM13, JCM10, JCM99, McC99, STZ14, TSN010, WZT08a, XSTN14,ZF03].

**Digital** \[GRS93, Kni87, KL12, MBS11, PSA04, SFB92, SCB88, WDB07, ADA04, CYX15, CZX16, GB08b, ITM14, PKLD18, RSSF02, RMD12, Sha03].

**digitization** \[HSW17]. **Dihedral** \[PRP15, LS07]. **dilution** \[NGD06].

**Dimension** \[PBCF93, GZ05].
Dimension-Independent [PBCF93].
Dimensional [CKH18, Day90, EM94, Gla90, KM97, MEA+18, OF01, AGDL09, BBW01, BJ17, Boi84, CH05, COSL98, EPM+14, GO12, IGLF06, JSMH12, LW+12, MSRB07, MdLH10, SHP04, UB18, WWS+05, ZWL+18]. dimensionally [GMP09]. Dimensions [WF96]. DINUS [MFR+10]. Dip [AKZ+17]. Dipole [FHK14, FD17]. Direct [HPB06, Jac86, KTB07, LL19, RO85, RO87, SBH18, WK95, Zyd88, AWGB04, ALK+17, BKN10, BSW02, BGB+05, DER+10, Did18, DD02b, EDF+16, FH04b, FRS19, GZL14, GWN+03, HWBR14, JBM+17, JBLL18, JMY+07, KVS+15, KJS+19, Kou16, KKB+11, LW+11, LCTS05, LTO+15, MWH+13, MP04, NBB04, PMOR10, SMG+05, SHS+04, SST+83, TFK+03, THG99, YJB+14, ZN06].
Direct-Manipulation [Jac86].
Direct-to-indirect [HPB06]. Directable [HG09, BMGW07]. Directed [GFMS95, KLP16, MTP+18, PRMG16, SRL+15].
Directing [GLC+18, PCLC16, CLC14].
Direction [RS14b, TWLT19, BMSG09, GI04, KCPS13, LW+11, PS04, RVL08, RVAL09, ZLP+15].
Directional [FHK14, Pag98, EDRI1, KWN+17, MUB15, PO18, RS18, SV19, WLHR12]. directly [KMM+02].
dirty [GRBN09]. DISCO [GLL+04, JGN16]. Discontinuity [ZQPM12, HGG+18]. Discontinuity-aware [ZQPM12]. Discontinuous [HK05, CBW+18, EB14].
Discovering [NRH17, PMW+08, BLPW14, IWC+11, WL16]. Discovery [HGM14, MTP12].
discrepancy [APC+16, DEM96]. Discrete [AW11, AHL17a, AOCBC15, BUAG12, BWR+08, BAV+10, ESBC19, FWR12, JHY+14, KSS06, LTTD16, MWT11, Mal89, MOR+18, MGP10, RRS18a, Tan94, TLHD03, AHB17, ABA02, CPS11, DBWG15, LCSC18, LZZ+17, QHY+16, RRS18b], SGRW06, SIS01b, SRGB14, SGG+06, VBCG10, YW09, YWH13, YXH14, YSC+18]. discriminative [ARS14].
disk [BWWM10, EDP+11, EB1+06, GM09, Wei08, YW13, DH06]. Disney [BAC+18].
disparity [DRE+11, DRE+12, FKN17, KDM+16, LHW+10]. dispersed [KySK10]. Dispersion [CMT+16, CT05]. Displaced [CHZ14].

[ADP19, HMD98, LRV+08, RE06, TTO17, YH16].

Display [DVCP09, Jan91, JGN16, LMR+83, MDK+08, PRM14, RO85, RO87, SBH18, WK95, Zyd88, AWGB04, ALK+17, BNK10, BSW02, BGB+05, DER+10, Did18, DD02b, EDF+16, FH04b, FRS19, GZL14, GWN+03, HWBR14, JBM+17, JBLL18, JMY+07, KVS+15, KJS+19, Kou16, KKB+11, LW+11, LCTS05, LTO+15, MWH+13, MP04, NBB04, PMOR10, SMG+05, SHS+04, SST+83, TFK+03, THG99, YJB+14, ZN06].
Display-Camera [JGN16]. displaying [SDIN18]. Displays [Run83, VN85, AFR+07, BF12, CB04, CKS18, DSAF+13, DDD+14, FRSL08, GW05, HWHR13, HLR+14, HLRB12, HWBR14, HCW15, HPK+17, KPM+17, KBB17, LHKR10, LL13, LM+16, MRR+14, MGK17, MS05, MFL17, MSN+17, NAB+15, POAR12, SLV+13, SHK+17, TDMS16, WLHR11, WLHR12, XKF+18].
dissections [DYTT17]. dissipative [BOFN18]. Distance [MPB17a, PP94, COSL98, CW13b, HCOB10, KyKSHC15, LRF10, LCFD10, MWH+09, MPB17b, TLK09, TTT+17, WPL06, WDB+08, Xia97, ZDI+15].
distances [AWGB04, SRGB14, SdGP+15].
Distinctive [SF07, LRFN04].
distinctiveness [HRZ+13]. Distortion [LTP+14, SLL19, SKD19, AL13, APL14, CWKBC13, CW15, CCW16, CML16, KLS03, KABL15, LW16, Lip12, MZ13, PTH+17, SiS02, TBT08, ZBK18].
Distortion-free [SLL19]. distortions [VRC+13, WDFH18]. Distributed [KSH10, LN84]. Distributing [MSQ+18].
Distribution [YMRD15, HCD15].
HHA +10, LD05, LAC +11, MYRD14.

Distributional [P394]. distributions [BSD09, DHB17, OFCD02, OGi12, XH18, YHM16]. diverse [WLO +14, XZCOC12].
divide [Mor11]. divide-and-conquer [Mor11]. division [ABJN85]. Dlite [HDGN17]. Do [AFR +07, CGL +08, CSD +09, EHA12, JMB +14, WKA18].
dockers [BWKS11]. document [JLS +03]. Documents [XZZ18, FNVD82]. DOF [HMT +15]. Domain
[AVF17, BVF17b, DMZ +17, GO11, LLN +14, SHD +14, ALS +18, Aga07, AWL13, ALLD17, BPE17, BZCC10, BDT +08, FLW02, GNS +12, GHV +18, HSRG07, HSL +06, KH08, KHS10, KMA +15, KHL19, KLS +13, LKL +13, Lev03, MRK +14, MKD +16, MO8, PKCH18, SMGE11, WJ19, WW11, XZY +07, YYWV13, ZLC +13]. domains [HZCJ17, SDGP +15, TPP +11, WMW15].
dome [HW12]. Dominant
[SRUL16, GJTP17, SPGT18, SRUL17]. dominates [EMO10]. doodles [TBvdP04].
Doppler [HIIW15, WKR99]. Dot [Knu87].

Dots [Kkv +14]. Double
[DBWG15, RY92, SR09, MFR +10]. double-step [RY92].
Downsampling [ZWDR16]. downscaling [GO17, KSP13, OGi15, WWA +16]. Drag
[JSTOS6]. Drag-and-drop [JSTOS6].

dragon [WPKL17]. DRAPE [GRH +12].
draw [CGL +08]. Drawing
[Bli82, DH96, Kla91a, VN85, AG05, FLB16, FTP03, Ga99, GTDS10, JDA07, KMM +02, KNS +09, KLKL13, LZC11, LFTC13, LBW +14, PLKD18, SKSK09, Spr82].

Drawings [BCV +15, BS19, BVS16, BKR +05, CSD +09, FZLM11, LMLH07, LRS18, NSX +11, NHS +13, RRS19, VAS88].
drawn [JSMH12, SBHH16, SKC +14, XWSY15].
dress [CYT +18]. dressing
[CTTL15, CYT +18, GRH +12]. DressUp
[YYTC12]. dribbling [HHC +19, LH18].

Driven [GLL +16, JSSH15, NRS15, Tsa15, Aca07, AXZ +15, AJM12, BSK +16, BDM09, BWSS12, CTFP05, CGC +02, CK10, CLSM15, CT17, DPFO3, FL04, FKY08, FYY +16, HDS +18, HZW +13, HYG +13, HFL14, JHS12, JW +13, KNS +09, KAL +17, KYS +15, KP11b, KMP +17, LJS +15, LS02, LDTA17, LKL10, LTK09, LCOD18, LYE15, LT00, LYWG13, LC +15, LCX16, MJC +08, MLZ +16, MFP +18, MTP +15, MUB15, MPBM03, NIS +13, PH08, PFS09, PL07, RPE +05, ST14, SPDF13, SMGE11, SS118b, SJR18, SKAG15, VK16, WYW +10, WOR11, WLL +14, WSL13, WSL +14, XZZ +11, XSZ +16, YHZ +14, ZCW +17, ZX +13, ZYL +17, JTCW07]. Driving
[FJA +14]. drone [NM +17]. Drones
[GLC +18]. drop [JSTOS6]. drops
[BNK10, WMT05]. Drucker [KGP +16]. DS
[DML17]. DSCarver [ZZX +18]. DSL
[BSL +16]. DTV [KDW +17, SLV +13]. Dual
[CBK12, CK14b, JLSW02, Lév03, LFXH17, SCG +05, ZYW08, HPK +17, KCZ08, LAKL11, LHKR10, ORK12, WSM11].
dual-frame [HPK +17]. dual-layer
[LHKR10]. dual-scale [WSM11].
dual-space [LAKL11]. ductile [OBH02].
due [GRBN09]. during
[DYT05, HZvdP04, MBF04]. dust [OH +14].

Dyadic [KBZ15]. Dyna [PMRMB15].

Dynamic
[AS07, AMMS08, BAM14, BSM +07, CW +13a, CM10, DGH16, DJ18a, HL14, IBP15, KL14, KH17a, LCTS05, MWT13, PBvdP15, SL +16, TQ94, VPB +09b, WSL +19, WRK +10, WU92, WSL +1a, XWW +14, YPG01, ZIH +11, ZMC05].

Dual [ADM +08, BB +14, BI08, CHZ14, CW +16, CCW18, CCG +02, CH07, CZ11, DJBDT10, DJBDT13, DH +11, DD0b, FLW02, GVWT13, GRB +18, HSG +16, HKA16, JP02, JF03, JSB +10, KSB +13, KR17, KNS +09, KUWS03, KYYL08, KFCO06, KLF +19, KH17b, LWH +11, LSA05, LLV +12,
Earth [SRGB14]. Easily [LZCX19]. Easy [Pet95, RKAP+12, SFG+13]. EasyFont [LZCX19]. Ebb [BSL+16]. ecosystem [CGG+17]. ecosystems [MHS+19b]. Edge [FFLS08, Fat09a, FCA09, HWG+13, KRK11, SGM12, SSD09b, WWT+06, BHY15, CP07, FFL10, Fat07, GO11, HHF+19, KTY09, LAD18, LSVT15, PHK11, RTF+04, WSM11]. Edge-avoiding [Fat09a]. Edge-aware [HWG+13, KRK11, CP07, FFL10, GO11, PHK11]. Edge-based [FCA09, KTY09]. edge-cone [LSVT15]. Edge-guided [SGM12]. Edge-preserving [FFLS08, SSD09b, BHY15]. edgebreaker [AFSR03]. edges [BWG03, LD06, Na98, SNCH08, WXLY17]. Edit [GJWW14, AP08, CZTZ12, GSCM09, JMB+14, KvKSHO15, XLJ+09]. editable [CSZ+13, EPD09]. Editing [BL18, BBPA15, JSSH15, JZH07, KG06, LZW10, SDN18, SSSH17, AYL+12, APS+14, AFTC007, BCT15, BPK+13, BSG12, BSG09, BC02, BSK+16, BAOR06, BAERD08, BSHK04, BMBO2, BWSK12, BST+14, Bou18, BD02b, CZM+10, CBL+16, CSR01, DTP15, DCP14a, DDTP15, FH04a, FH07, FFL10, FTZ+19, GZ08, GCSS06, HR13, HSK6, HX+13, HZW+13, IDN12, JCW09a, JGGN15, KBD07, KRFB06, KN02, KHKL09, KLLT08, LRT+14, LBAD+06, LDTA17, LHdG+14, LWW08, LTJ18, LKG+03b, LSS+17, MBWB02, NSAC005, PHT+13, PL07, Pel10, PKZW11, PGB03, PHs+18, RAKRF08, ROTS09, SPTP15, SFLM04, SSBB+17, STPP09, SSJ+11, TPSHSH13, UKIG11, XZ+07, XMR+11, XY+13, XZ+04, YCHK15, ZWZ+16, ZPKG02]. Editor [GW90, Tan83, Be91, Ber82a, Ber82b, Fol86a, Fol86b, Fol86c, FGN84, Fc82, Pha18]. Editor-in-Chief [Be91]. Editorial [Be91, F091, Fol92, Fol95a, Gla95, Gla97, Har03a, Har03b, Har04, Har05, Hod00, Hod02b, Hod03]. Editors [BG89b, BG89a, BG90, FR87]. edits [HLR+17, IAF09]. Effect [Kla87, DK99, HOKP16, MBB12, ZAJ+15]. effective [APH+03, BSW02, WWY+13]. Effects [BYRN17a, FFB10, TG17b, YMRD15, BYRN17b, CLOC96, CFW13, GGN18, KKN+13, LES10, LAC+11, MYRD14, PH15a, RAWV08, SBG10, SKC+14, TG17a, WKR99]. efficiency [EKA84, LFY+19, Wan18a]. Efficient [AJS19, Aga07, Bel18, BFK+16, BEB12, Dun83, EDP+11, FP03, GLL+16, GHF+07, GH98, Gue07, HH16, IGLF06, KJMI0, KCT+18, KLN01, KM97, KFS13, LRR04, Lev90, LH16, LXFH15, MZS+11, MWM08, MK16, MRC05, MP+16, NMLH14, PZM13, PM17a, PM17b, QZG+19, SNCH08, SS00, SBN15, TEG18, TBC+16, VJ19, WAO+09, XLJ+09, YPG01, YSHWHS16, AKJ08, BZL+15, BFGAO17, BSS+13, CBCG02, CCG+04, DHT+13, DJ18b, EDR11, FV96.
GSC+15, GWAB19, HGRT04, HDN+16, HZ11, HJ11b, IZT+07, KV05, Kan15, KHD14, KTY09, KSS17, LSK+06, LSR18, LVS18, LC15, LKYU12, MKD+16, MG03, NSF12, PCFH18, RGK+08, SPO10, She13, SOA11, SSB03, SdGP+15, SFWG04, VAZH+09, WWB+14, WWZ+09, WWB+19, WSS18, YHMR16, YSJR17, YJR17, YLJ18, ZM11, ZHRB13, ZSTB10, ZZCJ13, vTSSH13, NMLH11. Efficiently [ACP, EgoCap 01]. EgoCap [RRC+16]. EgoCap [RRC+16]. eigenfluids [CSK18], eigenfunctions [DLF12], Eigenmode [LAJJ14]. Eigensystems [SDK19], Eikonal [IZT+07]. Elastic [PZM+15, SPV+16, BWR+08, CPSS10, CZXZ14, GBFP11, KMOD09, LdG+14, LCBD+18, MKB+10, MTGG11, PMS12, PLR+16, SJM17, WOR11, YW16, YLYW18, ZSTB10]. elastica [CK14b]. Elastically [VJ19]. Elasticity [KS12, CS09, DJ17, KDI19, MZS+11, NKJF09, SBR+15]. Elasticity-inspired [KS12]. elastodynamic [MSW14, MLT17]. elastodynamics [DJ18a, HLS012, LSNP13, LGL+19]. elastomeric [JCRA11], elastoplastic [FLGJ19, GTJS17, JWM+14, WRK+10]. elastoplasticity [JGT17, KGP+16]. elastostatic [JP03], electrostatics [WSSK18]. Element [LHJ+14, LHVT17a, SDG+19, SVB17a, BWH07, HW16, ISF07, KDI19, LDPS84, LHVT17b, MWT11, MWLT13, SVB17b]. Elements [BC14, HLV+17a, LKS15, ARS14, BBB10b, CLC14, CLSM15, CZN+10, EBO8, HW15, HLV+17b, IKCM13, KTY09, KBT17, LJM+16, SCGT15, XFAT12]. Elimination [And82, RV89, LVS18]. Ellipses [FH93, MC02]. Ellipsoidal [RVG19]. Elliptical [FH93, KM17]. Embedded [RK13, SSP07, ALDL17, HCE03, NKJF09]. Embedding [XZZ18, JWJ+14, LCFD10, SJZP19, ZWL+18]. embeddings [AL15, AL16, AKL17, LWH+12, LSQ+15]. Embodied [RTB17]. Embree [WWB+14]. Emerging [MCL+09], emotion [KAL+17]. Empirical [CMS95, DLR+09, ZBBB18]. Emptying [ZCC16]. Emulating [TDMS16]. Enabling [NFL12], enclosed [GPP08]. encoded [LLWD14, Tar16]. Encoding [Van06, HZG+12, LDS03, MKMS04]. End [SDP+18, ISS16, KAL+17]. End-to-end [SDP+18, ISS16, KAL+17]. ends [VSK+17]. energetic [BB12]. Energies [BSEH18, ERT14, SDK19]. Energy [CTE05, HP04, MCP+09, ZJ12, DLL+18, Kan15, LWL+09, NSCL08, SSB03, YCR+15, YTL18]. Energy-based [ZJ12]. energy-efficient [Kan15]. Energy-minimizing [HP04]. Energy-preserving [MCP+09]. engine [DNB+05, FMK+03, NPP+11, PBD+10, PVL+05]. Enhanced [Hud94, Ols92, DFL+15, KK87, VRA+07, VPB+09]. enhancement [BM05, BBB+14, BF12, DER+10, ED04, FAR07, GSC+15, GCB+17, HSGL11, JMAK10, KNC+08, LCODL08, LCDO6, RSI+08, SGM12, WYX+10, WYX11]. enhancing [MBPY+18]. enriching [LSGV18]. Enrichment [KMB+09], Ensemble [JTCW07]. Entropic [SPKS16]. enveloping [WPP07]. Environment [Ols86, PM18, ARBJ03, LF02, NOP+08a, RH02, RZL+10, XMR+11]. environment-independent [NOP+18]. environmentally [CSvRV18]. Environments [CS96, YPG01, GLY+03, GBO8b, KMYG12, KKB+11, LCL06, LNWB03, MIWB02, NHA03, SCH+14, SMM14, SCS10, SKS02, SKB11, TGD04, WFH10, WS99, WM03]. envyLight} [Pe10]. Epipolar [ABW+17, GF12]. epsilon [DD02a, ITM+14]. equation [ABW14, CK11, WZT+08]. equation [JASR99]. Equations [PM95, AZB09, CI97].
equilibrated [FLGJ19]. Equilibrium [SPV+16, dGAOD13], equivalence [RFWB07, SS10b, SSP08]. Equivalent [FM84, MRA+13], equivariant [PO18].

erasure [LFJG17]. Erosion [YSC+16, CGG+17]. Errata [NMLH14, Spe03]. Error [AAR05, BAU15, LWS+15, WBF+17a, BDT99, BHW13, CAO09, HJJ10, PSF09, RKZ11, SJJ12, SLWF14, TGB13, WBF+17b, YRPFO9, ZG02, ZF03]. error-bounded [ZG02]. error-driven [PSF09].

Error-resilient [AAR05]. error-tolerant [SLWF14]. errors [PMOR10, RP03, Wan14]. Estimating [Che92, SHM+14, WSM11, ZS00, CDP+14, HLHZ08, NSJ14, PMOR10]. estimation [DBJB19, GLD+19, GWP+19, GHV+18, HJJ10, HMP+08, JNSJ11, MSS+17, MTB+13, NOP+18, WHSG97]. estimators [SOHK16]. Euclidean [ZWL+18]. eulerian [LFZ18, CM11, FLLP13, HK10a, KDW+17, LLJ+11, MSQ+18, MMTD07, N013, TLK16, WPLS18, WRS+12].

Eulerian-on-Lagrangian [FLLP13, WPLS18]. Evaluating [HRZ+13, ODGK03, RP07, WF96, CHM+12, CJAMJ05, KP09, KP10, LWC+13].

Evaluation [LCTS05, LC96, MAF+09, MRC+86, RV89, AFR+07, GRG04, UHT17, WB08]. Event [AECO15, SSRB+17]. events [VBK05].

everyday [VAV+07]. Evolution [BAC+18, MOR+18, LXY+16, MLZ+16, XZCOC12, YLH18]. evolving [BHLW12, IYAH17, PV06, PKC+17]. Exact [Kla94, RV93, BDCDA11, BEB12, FV96, QHY+16, SSK+05b, TTWM14].

Exaggerated [RBD06]. Example [BSPP13, DFM88, DBB+17, FJS+17, FRS+12, JTSB16, LWP10, MTGG11, RYL13, SDKN18, ST16, SZT+08, WYZG09, WHRO10, WYX11, XB17, AVB08, BCK+13, DLL+15, DLKS18, EVC+15, FJL+16, FKS+04, GLLD12, GDG+17, GJWW15, JST+19, JMAK10, KEBK05, LHL10, LYFD12, LBW+14, LFB+13, PCSS06, PALvdP18, RRS13, SSL+14, VSLD13, Wan16, WZT+08b, WPKL17, XUC+14].

Example-Based [ST16, BSPP13, DBB+17, FJS+17, FRS+12, JTSB16, LWP10, MTGG11, SDKN18, SZT+08, WYZG09, WHRO10, WYX11, XB17, AVB08, DLKS18, EVC+15, FJL+16, GDG+17, KEBK05, LYFD12, LFB+13, Wan16, WZT+08b, XUC+14].


Expansions [BXH+18]. Expediting [YLX+15]. Experience [AFP+95, JGC+15]. experiences [MGDB05, SPGI13].

Experimental [BBB+93, MRC+86, SCB87, AJD+10, FNvD82, KKN+14]. Experiments [GHCC88]. Explicit [RBSM19]. exploded [LACS08]. Exploiting [PKH+17a, PKH+17b, YRPFO9].

Exploration [OLGM11, BBPP10, DFL+15, HFF16, JM12, LZ04, MGDB05, MVH+17, ROA+13, SXZ+17, SWC+18, UIM12, YYP11, ZLE14]. Exploratory [OLAH14, TGY+09]. Exploring [KSSGS11, KLM+12, PBFW14, BYMW13, GBLM16, HWG14, SSS06, TKKT12, YRPFO9].

explosions [FOA03, SRF05, YY17]. Exponential [MSW14, BRM+15, SCB87]. exponentiation [RWS+06]. Exposing [KOF13, KOF14, OF12]. Exposure [HHX+18, ARNL05, EKD+17, KBC+13, MAF+09, RAT06, TAH+04]. exposures [BM05]. Expression [YWS+11, CHZ14,
LBB+17b, SLS+12, TZN+15. expressions [BB14, BBGO11, Gol85b, LCXS09].
Expressive [CTFP05, CB05, DBB+17, ELFS16, GCR13, KHS03]. Extended [BN90, MRF06, ANZS18, CZN10, KWK09, SDF+18, KBT17].
Extending [HGF14, RT90]. extraordinary [HFF18].
Extension [DS92, AML18, BB17, HPJ12, LHG+09, PSF09, XLC+16, ZLC+13].
extensions [NM16]. Exterior [SW14, dGDMD16]. Exteriors [FW16].
Extracting [BCN08, CZS+13, HZG+12, NGH04, TOS+03]. Extraction [ULP+15, ATC+08, EBCK13, KG04, LLW17, LSA+16, LKB16, RKB04, TCO09, XYXJ12, ZTS09].
extraordinary [CADS09]. Extrapolation [LLK+19, Lév03, WLL+14, ZM13]. extrema [SSD09b]. extreme [DDS03, ZPBK17].
Extrinsic [CSBC+17a, WBCPS19, CSBC+17b].
Eyecatch [YLNP12]. Eyeglasses [HWBR14, MLR+14]. Eyeglasses-free [HWBR14]. eyelids [BBK+15, WLY17].
EyeOpener [SSSH17]. Eyes [LBB02, NN04, SSSH17, BBN+14]. eyeSelfie [SRL+15]. EZ [SLWF14].
EZ-sketching [SLWF14].
Fab [SSM15]. Fabric [GHCG17, FBGZ18, KWN+17, ZFS+19, ZJMB11, ZJMB12].
Fabricable [CML+17, LFZ18].
fabricatable [LOMI11]. Fabricating [BBPJ12, DWP+10, LGX+13, PRJ+13, SDIN18, WPMR09, CLM+13, HBLM11, WW13].
Fabrication [SMB+19, TISM16, BBO+10, CZX+16, CLMK17, CLF+18, EEBG14, HZH+16, KCD+16, LDPT13, LSD+16, LMAH+18, MZL+17, Mit18, NAI+18, PZM+15, PTC+15, POT17, PLKD18, PWLSH13, RMD12, SSL+14, SSN15, SDW+16, VWRKM13, XKCB18, ZKBT17, ZGH+16]. Fabrics [KZS+15]. Fabulously [Bae18]. facade [BSW13, FMLW14, WYD+14, XFT+08].
facades [CMZP14, MZVV07, SHFH11, ZJX+13].
Face [AJJS19, BBK+08, GZC+16, LCXS09, VBP05, BLDA11, BKS+12, CCWL18, DSH+11, GVWT13, GFT+11, HGY17, IKKP17, LSSS18, PHS+18, TDM11, WBGB16, WSS18, WSS+11, YNS19]. Faces [Li18, BKK+08, KHS03, WMP+06, ZAJ+15, ZJCS04].
FaceShop [PHS+18]. FaceVR [TZS+18]. Facial [BBB+14, FJA+14, LTO+15, MJC+08, TZN+18, BZL+17, BB+10a, BBS+11, BBN+12, BB14, BBA+07, BWPI13, BHS010, CTFP05, CWLZ13, CHZ14, CBZB15, CWW+16, FJS+17, GSZ+18, GHP+08, GMP+06, GRG04, GRB+18, HCTW11, JSB+10, KAL+17, LCXS09, LCO013, LW10, LYY13, LB+17b, LXC+15, MHP+19, MPK09, OSL16, PTMD07, SSK+11, SWT14, SFF05, TZN+15, VVV+12, WSS+19, WBLP11, XCLT14, YSN+18, ZGB19]. Factor [BSN16, HA18, LRFH13, YBY+13].
Factored [MYRD14, SMRR07, HCW15, KYS+15, LRR04, LCDF10, PBM+06].
Factoring [WWsh08]. factorization [HPK+17, LHKR10, LK02, LSC03, NSF12]. factorizations [HA18]. factors [HLS012].
Fair [NGH04]. fairness [PS13]. Fairy [OKE+16]. Falling [HY12]. families [CI97, Win14].
Family [PD93, LKV+14, NCVM005]. Far [GM05, YJR17]. fashion [Bae18]. Fast [AYL+12, AF05, AHP+14, BOD018, BDS+18, BDT+08, CGM11, CMMK15, CPWAP08, CL09, DE05, DDP09, DD02b, GDAB+17a, GDAB+17b, HW16, HK18b,
JBK+12, KEP05, KWN+17, KP11b, LCD+19, LFH15, LBOK13, LYT+14, MAi92, MSM+17, NSCL08, NKGR06, ODJ04, QHY+16, RWW90, SNB07, SS10a, SLJTO8, SGG+06, STZ14, SSK+05b, TTTM14, VKJ+17, WPC+14, Wam16, Wei06, WT08, YMRD15, YCR+15, AGDL09, BBB07, BML+14, DLL+18, DFM13, DH06, GS04, LS07, LWO19, LWL+09, Mir98, OK10, PFH10, PKKH15, PMA+14, RJ07, SLMB05, SYBF06, STP12, TTT+17, ZB14, ZYWKO8, TMY+11. Faster
[MPB17a, WV92, LAKL11, MPB17b.]

FastLSM [RJ07]. Feasibility
[KL17a, KL17b, LW16]. feasible [RH16].

feathers [CGX02, WG09]. Feature
[CMS95, FKY+10, KIM+19, Lee05, LHJ+14, LYP+14, MKZ10, NLMD12, WY04, COX+09, ZWGS02, ZMT05, dLMH10, CT17, HCGO+12, JDD03, LF+13, PZ08, TFBW+10, XLY09]. Feature-adaptive
[NLMD12]. Feature-aligned
[MPKZ10, XCO+09]. Feature-based
[Lee05, ZWGS02, ZMT05, dLMH10]. feature-conforming [HCGO+12].

Feature-preserving [FKY+10, JDD03].

Features
[HWZ+14, PGP+19, FCOS05, GCO06, RSH+05a, WYL+14, WT08, WGT10].
Feedback [DNKY08, BP12, DK99, YL10].

Femto [VWJ+13]. Femto-photography [VWJ+13]. Femtosecond [OKH+16].

Femtoseconds [OKH+16]. FEPR
[DLL+18]. Femur [ZGH+16]. ferrofluids
[HHM19]. fiber [BDCA11, JMM09].

FiberMesh [NISA07]. Fibers
[KM17, PRM14, MJC+03]. Fibonacci
[KIIS15]. Fidelity [FLB16, CBZ15, HCTW11, ODGK03, OLSL16, RFWB07, SWT14, WSS18, XCL14, YSN+18]. Field
[CPMS14, DPW15, HCGO+12, LR15, LTDD16, MHE19, MLS+18, PP94, Pag98, RS14b, STJ+17, SHD+14, VMCS15, ACBCO17, BHR13, CZ17, CBCG02, CNX+08, COSL98, CRN08, CZN10, FBC18, FRSL08, GJTP17, HW14, HTWB11, HWBR14, HCW15, JTPSH15, JBM+17, JFH+15, JMY+07, KWR16, KHKR11, LHKR10, LWH+11, LL13, LES09, LJM+16, LAC+11, LALD12, LSR18, LHH+09, LNA+06, LLX+12, LLW+08, LXW+11, MWGZ09, MLR+14, MRK+13, MWBR13, MHP+19, MSOC+19, MPZ14, OHR14, OEE+18, PZ07, PRK+17, RS14a, RVLL08, RVAL09, RSL16, SHL+17, SSY+04, SDP+18, SSD+09a, SHK+17, TAV+10, TPP+11, TLHD03, WJG+18, WZK+17, WZW+18, WLM+15, WHLR11, WHLR12, XNY+16, YJR17, YZP+04, ZWGS02, ZMT06, vFTS06]. Field-aligned
[CPMS14, STJ+17, JTPSH15, MPZ14].

Field-guided [HGCO+12, CZ17, GJTP17].

Fields [AOABC15, BS19, BSB16, BSEH18, CO19, IBB15, MUH19, OKH+16, PLPZ12, SVB17a, YSHWSH16, BSB17, CBCG02, DVPZH15, EHDR11, FDSH07, FLSL07, GRT13, GCH+19, HLHR09, JMB+14, KIH+11, KZP+13, KCP13, LRAT08, LW+11, LWB+10, LZC+18, MPDW03, MHP+19, NSB13, PPTSH14, SVB17b, SV19, TTT+17, VRA+07, WWT+06, XZY+17, ZMS18, ZHL+05]. Figure
[GM84, AHM+15]. Figures
[AFP+95, ZB94, WFF+10]. Filament
[SMB+19, WP10]. Filament-based [WP10].

filigrees [CZX+16]. Filling
[Dun83, LMR83, Snm92, TOH08]. films
[DBDG15, IYAH17, TL04, VRBC18]. filter
[SMH+11, TK05, WDC06, WFL+15].

filtered [BCN08]. Filtering [LD11, NMLH14, YMRD15, AGDL09, BZCC10, CLK14, DSAS+13, DD02b, EHDR11, EDR11, GGN18, GO12, HSRG07, KBS15, MS13, MWR12, MWRD13, MYRD14, Nai98, NMLH11, NM16, RKZ12, SD12, Wei06].

Filters
[APR+14, BJ10a, KS10, LLMZ16, PHK11]. final [GD04, REG+09]. Find
 Form-finding [TSG+14, KH06, Nas87, UPSW16, WP09a]. Formulation
[Sei93, KPWP17, SSM15]. Forms
[KH06, KG08, Nas87, UPSW16, WP09a].

Foveated
[GFD+12, KJS+19, PSK+16, TAKW+19]. Foveation [SHK+17]. Fractal [VR94]. Fractional
[GCH+19, OKRC10]. fracture
[BDW13, CYFW14, HW15, HW16, MCK13, OBH02, WFL+19, ZJ10, ZBG15b].

Foucard
[AMZ99, Mal93, Ng05, SHD+14, SSD+09a, SK13, WPC+14]. Fournier [Fin00].

Fovate
[GFD+12, KJS+19, PSK+16, TAKW+19]. footh [YRF+09]. footage
[BPO8, BOFN18, TMOT12]. foreground
[RKB04]. foremost [STZ+16]. forests
[LJS+15]. Form
[TSG+14, BBG12, FXBH16, GSV+17, HR05, HK06, KG08, Nas87, UPSW16, WP09a]. Form-finding
[TSG+14]. Formal [DFM88]. formation
[DKNY03]. formed [UKSI14]. Forms
[Sei93, KPW17, SSM15]. Formula
[LSSW19, HRV97]. formulas
[LKF12]. Formulation
[KM97, KTY09, MRA+13, MGJ19, PICT15]. formulations
[LD02]. formwork
[ZFS+19]. Forward [Kla91b, Kla94, PR06, Rap91, FD17, GITH14]. foundation
[MCS15]. foundations [Go02]. Four
[CCW93, ZCW+17]. Four- [CCW93].

Four-view
[AMZ99, Mal93, Ng05, SHD+14, SSD+09a, SK13, WPC+14]. Fournier [Fin00].

Free-form
[KG08, BBG12, GSV+17, HR05, HK06, Nas87, UPSW16].

Free-formed
[UKSI14]. Free-flowing
[NGL10]. Free-form [KG08, BBG12, GSV+17, HR05, HK06, Nas87, UPSW16].

Free-viewpoint
[CTMS03, CCS+15, HP+18]. Freeform
[DGH16, FSH11a, PSB+08, BK04, EKS+10, EC96, KOY+11, LPL+17, LPL+18, NISA07, PLW+07, TIS16]. Freely
[HFL14, LZC11]. Frenet [HB89].

Frequency
[BBS14a, ETH+09, EHDR11, HSRG07, RH02, AWL13, ADN+08, BDT+08, CTH+14, DHS+05, LH+09, NKG05, NRH03, NRH04, OHX+14, SKS02, TS06, TSL+05, WSL+06, WRG+09, XCM+14].

frequency-domain
[BBS14a, ETH+09, EHDR11, HSRG07, RH02, AWL13, ADN+08, BDT+08, CTH+14, DHS+05, LH+09, NKG05, NRH03, NRH04, OHX+14, SKS02, TS06, TSL+05, WSL+06, WRG+09, XCM+14].

freely
[SPJ+10, SK+11]. from-region [LCO03]. frothing
[CPP+07]. Full
[WZQ+18, Fre16, HHC+19, HW12, KE18, PRM16, TMDK15, WZC12, ZSZ+14].

full-body [HHC+19, KE18, PRM16, WZC12, ZSZ+14]. Fully
[YI17, CSW+16, HK10a, LHM+18, SSISI16].
CCK92, DB88, EM90, FH97, Gol84, Gol85a, KCZ008, KMP07, LPW+06, Mi87, NN90, PPV95, SPSh+17, TWBO03, TR98, TQ94, BLTD16, CPS10, GCO06, GP08, Gol02, GJWW14, HPSZ11, HB89, HZK+15, HFG+06, IYAH17, JASR99, KOY+11, KGL16, LdPS84, LKG+03a, LZ14, LjGH11, LO19, MJTF02, PCK+08, PKZ04, PM05, SAZK06, SdGP+15, SD9, THW+14, WFL+15, YNS19, ZHW+06]. geometrical [VABW09]. Geometrically [Sei93, BEB12, JBP06, RvBB].

Gestalt [MK05]. gigantic [CGG]. gestures [RTK]. Geo-geometries [AAM03].

Geometry-guided [PK05]. geometry/impostor [DHOO05].

Geostatistics [MK05]. Gestalt [NSX+11]. gestural [GWB05]. Gesture [LKT10, NKA08, BS16, LGK+16, SN17, TFK+03, BS16].

gestures [RTK+15]. gesturing [JHS12].

gx [Xu18]. Getting [McI92]. Ghost [SB12, FKN17, GKT13]. ghost-free [FKN17, GKT13].

ghosting [SLV+13]. gigantic [CGG+04, IG03]. Gigapixel [HLSH18, KUDC07]. Girth [XWC+16].

GJK [MPB17a, MPB17b]. GKS [DFM88].

Glare [RAW08, TAHL07]. glass [WGL+18]. glasses [FKN17, SLV+13]. Gliff [LSK+06].

Glints [YHJ+14]. Global [BYRN17a, BR07, CS96, CLSS97, MZ12, PTKS11, RWG+13, VMK00, WHSC97, WH+18, AFO05, BYRN17b, BAERD08, BLDA11, BM+09, BCW17, CBK15, CNR08, DSD07, DH10, DDP99, FLB16, GD04, ISS16, JSKJ12, JDDL09, KFB10, LALD12, LWC+11, LXY+16, MA06, MZ13, MPZ14, NGK06, OHH+14, RLL+06, SL17, SFWG04, SKC+14, TL04, TMRL14, TPWG02, VAZH+09, WZZ+09, WS99, YNW16, YSJR17].

Global-to-local [WSH+18]. Globally [DNZ+17b, ISS17, KLS03, KPCPS13, ZLWH16, DNZ+17a].

GlobalFit [LWC+11]. Gloss [BOD+13, TDR+12, WAKB09]. Glossy [CSS96, CLSS97].

Goal-Based [YIC14]. Goal-Based [YIC14].

GoLD [BGB05]. good [BYMW13, LS07, PL14, YL18].

google [BBGO11]. GPU

[ASA+09, BFGS03, BF+16, CKIW15, CW17, DKHS14, GWW+18, GBK05, HR05, HG09, HZG08, HZG09, JCW09a, KKS18, KB12, KPM16, KW03, LSK+06, LH16, LB06, NMLH11, NMLH14, NLMD12, RSSL18, SF09, SJP05, SKB+14, TWL+18, WZZ+09, WHY+13, YW16].

GPU-accelerated [CW17, KB12].

GPU-based [CKIW15, GBK05, HR05, TWL+18, WZZ+09, WHY+13].

gpu-decodable [KPM16]. GPU-efficient [NMLH11, NMLH14].

GPUUs [BSL+16, BFH+04, CM14, FBH+10, KGB+09, SS10a, SKK+12, ZHZ+07, ZHR+09].

GrabCut [RKB04]. Gradient

BPE17, FLW02, GHV+18, KMA+15, LKL+13, PKCH18, XZY+07, Aga07, ARNL05, BZCC10, GFT+11, GBC+13,
HSL+06, KH08, KSH10, KHL19, KLS+13, LHM09, MRK+14, MKD+16, MP08, MHP+19, SLWS07, XLXJ11, YZX+04. gradient-based [GBC+13].
Gradient-domain
[BPE17, GHV+18, KMA+15, LKL+13, PKCH18, Aga07, BZCC10, KH08, KSH10, KHL9, MRK+14, MKD+16, MP08].
gradients [BFGS03, BBG12, FLB17, MHN+09]. GradientShop [BZCC10]. grading [BSPP13]. grained
[HSG13, KvKHCO15, WZF+18]. grains [YSC+18, LPX+19]. grammar
[LCK+14, SP16]. grammars
[DLC+15, LW08]. GRAMPS [SFB+09]. granular [DBD16, MPH+15, MPG+16, NGL10, YSC+18].
Graph [FH07, KL17a, WSL+19, ACXG09, FS11b, KL17b, KSE+03, LZT+19, LVS+13, PRAV09, RKB04, WLL+14, WLW+19, YWH13, ZHS+05]. Graph-constructive
[FH07]. graph-cuts [LVS+13]. Graphcut
[KSE+03]. Graphic
[Cas91, ZCL18, ZQCL19]. Graphical
[Bar86, HC86, Mac86, OBH02, PK83, Res87, SG91, UTB+19, FNvD82, LZH+17].
Graphics [AMS03, CM83, CT82, Coo86, DMZ+17, GF82, GS04, LMR83, LN84, Lev84, MRC+86, OKH+16, Pik83, Wes88, WW92, AMN03, AHAM15, AAM03, AÇM10, BKK15, BD09, BFH+04, CHM+12, CTH+14, DRvdP14, DRvdP15, DN02, DBN+05, EPD09, FS11a, FH11, GLdFN14, GM05, Gel07, GFD+12, HGF14, HMG03, HCW15, JP02, KKSS18, KTL+04, KFS13, IWA+12, LHLK10, LB05, MGAK03, MCHAM06, NH08, OH14, PTO15, PBH02, RKL+11, SFLM04, SHL+17, SFB+09, WP06, ZHGW08, Pav90, WP90, Bea88]. Graphs
[HTCH15, LIVY16, BDK+16, DH96, FCW+17, KGP02, LRFH13, LCK+14, MC12, PSBM07, PKC+16, RP07, RCLM19, SH07, SPGT18, She13, YBY+13, JTCW07]. grasping [Liu09, ZLMC13]. GRASS
[LXC+17]. Gray [DSZ17, KJDL09].
grayscale [XLW18]. greedy [RKZ11].
Green [AAP16, LLC08, AAP17, JP03].
Green-Screen [AAP16, AAP17].
Gregory [LSNC09]. greyscale
[WAM02]. Grid [And82, BCE+13, CPD07, CM11, CMMK15, JLS+03, LZF10, LHJ+18, SABS14, SdS02, WIK+06, YY17, ZLC+13]. grid-based [JLS+03]. grid-free [CMMK15].
GRIDiron [MCS15]. Grids
[McI83, AG+17, EB14, LH04, NG18, ZG02]. grooves
[XH18]. Group [KLI10, BT19, CGM11, KCD09, LZH+17, WZF+18].
Grouping [Gos90]. Growing
[SB95, Che13]. GST [KPM16]. gTangle
[SP16]. guaranteed [MGT+03, VSK+17]. guarantees [GMP09]. Guest
[Tan83, BGS89, BG89a, BG90, Fol86a, Fol86b, Fol86c, FGN84, FR87, Fue82, Pha18]. guidance
[HKAK14, LZC11, LXS+18, WFL+15].
Guide [NB11]. Guided
[CLZ+14, LIVY16, UIM12, ULP+15, WWZ+06, BLR+11, BBPD12, CZ17, CAH16, FJL+16, GJTP17, GSZ+18, HGC+12, KGS+18, KLF12, LPL+18, MMT16, MGC+19, PCCS06, PK05, PALvP18, RHJ18, RYL13, SGM12, SHK+17, VBBF16, WLZ+09, WPKL17, WSL+14, XK07, XZY+17, YC11, ZZZ+17, ZZS+12].
guidelines [MSL+11, MSOC+19]. Guiding
[HZE+19, SY05].
Haar [LF08]. Hair
[KM17, PCK+08, YSK09, BBN+12, BAC+06, CWW+12, CWW+13a, CLS+15, CSW+16, DBDB11, DJBDT13, EBGB14, FMB+17, HZW12, HMLL14, HMLL15, JMM09, JGT17, KNO2, LHM+18, LLR13, MJC+03, MSW+09, MM06, MWM08, PBS04, RZL+10, SPJT10, SHM+18, SLF08, WYZG09, WOQS05, XMR+11, XWW+14, YCZ+11].
I-cloth [TWL+18]. ICON [HZvK+15].

Illuminants [RNd+07]. Illusion [STXJ15].

Illusory [CLQW08]. Illustrating [MYY+10]. Illustration [ZIH+11, ASP07, ACC05, GAGH14, KBNH12, KYYL08, KST08, LEQ+07, ONO04]. Illustrations [GR04, LRA+07]. IM [Kim18].

IM-material [Kim18]. IM6D [HMT+15].

Image [AASPI7b, BIP01, BLR+11, BBPA15, BNB13, CAA10, CLC96, CZL+14, DSB+12, DCD15, DBP+15, FYW+18, Fat07, FF11, GGY18, GHC17, HM92, HKAK14, HXM+18, JKZS10, KRFB06, KLS+13, LKG+03a, LFDF07, LW15, LLN+14, LT00, LCL+17, LNLB16, LDC06, MPN+02, MZWV07, PC82, QTZ+06, RDL+15, RO85, RO87, RNJ16, SMW06, SKG+12, SYJ05, SLWS07, TZW+07, TOS+03, VBK05, XFT+08, XFZ+09, XK07, XLXJ11, YTS+11, YPA+18, YSQS07, Zhi18a, vW02, AASPI17a, AS07, AMMS08, BGGK17, BSFG09, BC02, BSP+19, BZCC10, BHY15, BKR17, BBP13, BAE3, CHM+12, CWW+16, CSW+16, CKS+17, CDSH13, CPD07, CTW09, CXT+09, CZM+10, CGZ08, CSHD03, CSR19, DMIF15, DAD+18, DCP14a, DP109, DTPG11, DCOY03, EK+17, FH07, FHL+09, FFL10, FAR07, Fat08, FCA09, FLB17, FSH09, GSY+17, GO11, GO17, GCB+17, GRBN09, GMW16, HSLG11, HSB+12, HRDB16, HPP+18].

Image-Based [BBPA15, BNB13, KRFB06, KLS+13, LKG+03a, LCL+17, MPN+02, MZWV07, QTZ+06, SKG+12, TZW+07, TOS+03,
Image-driven [LT00]. Image-guided [BLR+11, XK07]. Image-space [DCD15, RJN16, Wym05].

Image/video [SLJTO8]. Imaging [MRC+86, MGDA+15, HH10, KH10, KCS10, NAB+15, SSJ+11]. Images [DRC+15, LR90, SB95, SS19, SCB88, TLG17a, WS17a, ZLW+16, AM10, BBS14b, Bou18, BPD09, CAA91, CW+13a, CWC11, CLQW08, CZG+11, CHM+10, DS+12, DER+10, DTPG12, DD02b, FKY+10, GLD+19, GGH02, GSLM+08, HCS13, HCE03, HC04, HDC07, HZZ11, IKC13, JMAK+10, KE18, KHO8, KSH10, KP18, KUD07, LBP+12, LSA05, LSQ+15, LYT+14, LSS+19, MCL+09, MKP09, MNB90, NFL12, ODA05, OTS09, OBW+08, OGP15, PBS04, RSMF02, SD118, STZ+16, STXJ15, TLG17b, TEG18, TD16, TA+04, THG99, TT09, WWOH08, WS17+16, WAM02, WS17b, XLX+16, XBS+19, ZCC+12, ZFL+10, ZTF+18, LR91].

ImageSpirit [CZL+14]. Imagemakers [KCGS18]. Imaging [DMZ+17, GNM15, GVNB18, HOZ+19, KZS16, LCD+19, ABW+17, BGK16, BKGD17, CHW17, Fee16, GKH12, HSG+16, HH+13, HHG13, HHW15, IGP+17, ITM+14, JBY19, KR17, Kan15, KRD+12, KN06, Lec18, LCV+04, LLW14, LOW18, LWO19, MK+13, MMH+17, NZV+11, Par17, PKH15, PH15b, RTF+04, RRFG17, SHHW16, SDF+18, SRL+15, TAH07, WZK+17, WMB19, WJV+05, WW13, XIAP+17, ZJB11].

Imagining [SMZ+14]. iMapper [MGC+19]. Immersion [LB18, HFI+08], immersive [GWN+03, HCG15, LNWB03]. impact [KLF+19, SKY+12, SN17, VSK+17, WS17+17, impact] [KLF+19].

Imperfect [KOOP11, LSL+18, MWH+09]. Imperfect [RGK+08, SPGT18]. Implementation [Day90, M92, KW03]. Implemented [LS00]. Implicit [BIW93, BGI+18, BRB+19, DDSDD07, KSNG17, PGP+19, Roc89, Tau94, VBG+13, ATW+17, CH89, DBD16, FLGJ19, GMP09, GBC+13, HCS19, LT09, LDN+18, MASS15, OBS04, PICT15, PV06, SSGS11, SOS04, SS11, TO02, WG09, YY12b].

Implicitization [Hob91]. Implicitizing [SG17]. implicit [ABA+03]. Importance [CSS96, MMR+19, SLGS01, ARB03, CJA05, GKH+13, KV+19, LRR04, OD104]. Importance-Based [SLGS01]. imposed [Fat07]. impossible [WFY+10]. impostor [DH000]. Improper [ACC90].

Improve [MGDA+15, VMK00]. Improved [LR90, LRR91, MRK+14, RSA08, WHG84, CZ12, TDR+12, WS17].

Improvements [DKHS14]. improves [CLS+17]. Improving [DD+14, MPB17a, MPB17b, Per02, WLM+15, XW09, ZF03, SVB+12, XADR12].

IMUs [KLF+19]. in-volume [HJI+11]. inaccessible [YSL+14]. incident [MPDW03]. Include [RT90]. incomplete [TZCO09, YHZ+14]. Incompressible [BGI+18, AIA+12, LZF10, SAL+08, SP09, WHK17, dGW15]. inconsistent [DSB+12, KOF13, OF12]. Incorporating [LNWB03]. Incremental [Fie85, RY92, MZ12, TWL+18, WM03, WSS18].

Incrementor [Res87]. Independent [PBC93, AMMS08, EML+18, LB05, NOP+18, SBD+12, YM16]. Index [Ano85a, Ano90b, Ano92a, Ano93, Ano94, Ano95, Ano96]. Indexing [ZWK14].

indirect [HPB06, LALD12, MWRD13, RGK+08]. individualization [YI17]. Indoor [ZXTZ15, CLW+14, CXY+15, FCW+17, GSY+17, KMYG12, MLZ+16, MDKD16,
MTP⁺15, MWR12, MWRD13, MCS15, MI07, NAI⁺18, NSZ⁺10, NHAH03, OHB⁺11, PMOR10, PPZ⁺11, PTG02, PSK⁺12, RKKS⁺07, RMD04, RKB03, SMM14, SXZ⁺12, SHL⁺17, SDL17, SSY⁺04, SSII18b, SPGI13, TWL⁺18, TBC⁺16, UBW99, UKIG11, UKSI14, UPSW16, UB18, VGB⁺14, WTL05, WAC07, WWZ⁺09, WSZ⁺14, WS99, WTBs07b, WDR11, Wym05, YJL⁺16, YMR⁺13, YHZ⁺14, ZG04, ZHR⁺09, ZLE14, ZPKG02, vdHDT12, Pel10, TBvdP04.

Interactively [ESCK16, SRH⁺15, YCP16].

interception [YLNPI2].

Interchange [KP92].

Interchangeable [DYY16].

intercluster [Xia97].

interest [ZK13].

Interface [BL18, Fol86a, Fol86b, Fol86c, HC86, Hud94, RvE93, RO94, BJS⁺08, DK99, FH04b, GCR13, HK10a, IWZL09, KP09, KP10, MB12, NSAC05, Ols84, PTG02, Pel10, TBvdP04].

Interfaces [Bar86, BD86, Jac86, SG91, Ano03, LRFN04, SH08].

Interference [HPSZ11, RV89, KWB⁺13, MMH⁺17].

Interference-aware [HPSZ11].

interferometry [GLDZ15].

interior [MSL⁺11].

interleaved [JGGN15].

Interleaving [TWAD09].

Interlinked [GPB⁺19].

interlocking [FSY⁺15, SCGT15, SFCO12, SFJ⁺17, WSP18].

internal [MTB⁺13, ONO104].

Internet [CCT⁺09, CZG⁺11, HZZ11, MBGS15, STZ⁺16].

interplay [CMT04].

interpolants [BDT99].

interpolate [TO02].

interpolated [SH07].

Interpolating [FG90, SOS04, LYLL08, RP09].

Interpolation [B192, BIW93, BF01, DLG90, Fie85, Fol87, JW15, Pet89, RY92, SDN18, VTS815, WX91, BT19, BvdPPh11, CWKBC13, CcC⁺16, Csc19, FZL⁺15, GTJS17, GAF⁺10, MMH⁺09, Mal89, MK05, PR97a, RSM10b, SV19, VW97, VKB05, WG10, YSW⁺17, ZPBK17, ZKU⁺04].

Interpolations [Thu17a, Thu17b].

Interpolatory [AA09, DM13, ZM11].

interpretation [CKX⁺08].

Interpreting [SLZ⁺13].

interreflections [CRA11, DDTP15, XCM⁺14].

Intersection [CCW93, KS95, MD94, LB18].

Intersection [ACC90, CGM91, KM97, MST89, Mi187, NY94, NPP⁺11, SHH99, VMT06, WFP12, Bak94].

Intercations [FNO89, MD94, SJ94].

intervals [ZS00].

interview [BLA12].

intra [YSQS08].

intra-scale [YSQS08].

Intrinsic [BBS14b, CSBC⁺17a, DRC⁺15, LWQ⁺08, LFHX17, WP06, XWC⁺16, YGL⁺14, BHY15, BST⁺14, BPD09, CSBC⁺17b, ED04, KLF11, LBP⁺12, MZRT16, ROA⁺13, SSC19a, TBW⁺12, XZT⁺09, XZJ⁺12].

Introduction [BG89b, BG90, Ber82a, Ber82b, Fol86a, Fol86b, Fol86c, FGN84, FR87, Fuc82, Pha18, Ros94, Tan83].

Inverting [AXR09, XLW18].

Inverted [BH92].

Invertible [AXR09, XLM18].

Investigating [BB12].

Investigation [B90].

iridescence [BB17, WVJ17].

iridescences [Sun06].

irradiance [AFO05, SJ12].

irregular [JLBM05, LKZ10, LCOZ⁺11, ZXJ⁺13].

irregularity [LM⁺15].

Islamic [KS04a].

Islands [HA92].

iso [VGB⁺14].

iso-surface [VGB⁺14].
isocurve [EC96], isocurve-based [EC96].
isolines [APTC007], Isometric [Sah18].
isometry [TMRL14], Isosurface
[LS07, VW94, VW95, VW92]. isosurfaces
[LDS03, WHDS04]. Isothetic [PVY90].
Isotopic [MCSA15]. Isotropic
[BSN16, MHS19a, SDK19, SBN15,
TWAD09, WOR10]. Issue
[BG89b, Fol86a, Fol86b, FGN84,
Pha18, Ros94, Sto92]. iterated [RKB04].
Iterative [HL14, LKE18, DBDB11, JTL12,
JDD03, Wan15]. IV [AB89]. iWIRES
[GSMCO09].

Jagged [Nai98], JALI [ELFS16], jaw
[ZBBB18, ZGB19]. jewelry [ILB15].
Jigsaw [KP02]. jitter [TBV12]. jitter-free
[TBV12]. Joinery
[YKGA17a, CPMS14, YKGA17b]. Joint
[DSAF13, GKH13, KCLU07,
LSQ15, TWLT19, XYW09, GCPD16,
HWK15, HOM15, ISS11, JWDL19,
KAL17, LKK18, TBC16]. Joint-aware
[XYW09]. joints [LT08, SZ15]. Judder
[CAD19]. Jump
[BJNJ18, ZG04, YYW12a, AGB16].
JumpCut [FZL15]. junctions [KPP17].

K-D [XLJ19]. kaleidoscope [HP03], KD
[AGDL09, ZHWG08]. KD-tree [ZHWG08].

KD-trees [AGDL09]. kelvinlets
[DJ17, DJ18a]. Kernel
[BVM17, SBN15, WDT19, Fat11, FKY08,
GLA19, LSR18, LDF14, SJF05, VRM18, WWB14]. Kernel-predicting
[BVM17]. kernel-splatting [GLA19]. kernels
[ASL17, CMT16, FSH11b, VBCG10,
YT13]. Key [MA07]. Keyframe
[AHSS04, TMS03]. Keyframe-based
[AHSS04]. Keying [AAP16, AAP17].

Kinematics
[HMLB16, ZB94, BCT15, DSP06, GMHP04,
SZT07, SZGP05, SZS14]. kinetic
[XKCB18]. Kirchhoff

[BJ05, KTY09, POT17]. Kirchhoff-plateau
[POT17]. KleinPAT [WJ19]. knit [JGT17].
Knittable [WSY19]. knitting
[KJ08, YKJ12]. Knitting
[NAH18, MAN16, NWYM19]. Knot
[Joe90a, SYSP14, Joe89]. Knowledge
[XGC07, MYW15]. Kontrol [Ols86].
KRISM [SS19], Krylov [SS19].

LAB [SCB87]. Laban
[DKD17a, DKD17b]. Label
[CMS95, LSA16, RMBB13, WZF18].
label-map [LSA16]. Labeling
[GZC15, ST16, VVC15, HSG14,
KHS10, YGH17]. labelled [HZC17].
labels [HLW18]. laboratory [ZJ18].
laden [GPH18]. Lagrangian
[BGOS06, BvPC11, CWSO13, FLLP13,
KDW17, PTG12, WPLS18, YCZ11]. lamps
[RBvB04]. Lampshades [ZLW16].
landing [ATM17, HYL12]. landmark
[YNS19]. landscape [BLDA11].

Landscapes
[PKH17a, CGG17, PKH17b]. Language
[DMZ17, Jac86, KKRK16, MPF18,
Van82, ALLD17, GS82, HFF18, LTK09,
MGAK03]. Language-driven [MPF18].
Languages
[BK16, YPB16]. Laplacian
[APH14, CSK18, DLF12, JCW09a, KFS13,
LSR18, PHK11, ZHS05]. Laplacians
[AW11, FW12]. Lapped [TOI18]. lapse
[BM07, KCS14, LEN09, MBGS15, SMPR07,
TDSG15]. Large
[GNS12, KABL15, LZX19, SM17a,
SJLP11, ZHS05, BJ11, BWHT07, BZL15,
CB04, DFZ17, EDF16, FAW19, GB13,
HSG13, HWG14, HMM19, IGLF06, JP03,
KH08, KFWM17, KLM13, KSKL14,
KPZK17, KG04, LGL19, MRA13,
OAH11, PRFS18, RNGF03, SM14, SM17b,
SWL11, SDW16, SZL10, WFDH18,
WJV05, YMR13]. large-deformation
[BZ11]. Large-Scale [LZX19, GNS12,
KABL15, SJLP11, DZF17, FAW19, GB13,
large-step [LGL+19]. Larrabee [SCS+08]. Laser [OKH+16, XGC07]. laser-scanned [XGC07]. last [LSZ+14]. lattice [ANHD17, PMS12, RJ07]. Laughing [DZS08]. laughter [DZS08]. layer [IM10, LHR10, LWH+11, LD+13, PLW+07, SBK+18, ZR18]. LayerCode [MLY+19]. Layered [ULP03, ROLO9, VMCS15, WLHR11, ZMS+18, ZJ+13, BNK10, Be18, BBR+19, BDW13, DSI5, DJ05, DWd+08, FLSB17, GHP+08, GHZ18, JDJ+14, ZGH+16, ZKU+04]. layering [MP09a]. Layers [TLG17a, HLR+14, PTSG09, Pkl+83, SMH+11, TDSG15, TLG17b, ZLB16a]. Layout [ULP+15, AVB08, BSW13, CCL12, FYY+16, JLS+03, MSL+11, YYWV+13]. layouts [BYMW13, CBK12, CK14b, FMLW14, MSK10, PYW14, RRS13, WYD+14, YLPM05, ZQC+19]. Lazy [LSTS+04, XAF12]. LazyFluids [JFA+15]. LCD [HLHR09]. LCDs [LWH+11]. LDL [AFR+07]. Ldr2Hdr [RTS+07]. leaf [RFL+05]. learned [CCWL18, VKJ19, XKF+18, ZSI+17]. Learning [AWL+19, AMA+19, BB15, CK14a, CYT+18, FKI+14, FTP03, GSY+17, GTB15, GJWW15, HFW+19, HrvK+16, HLV+17c, HKC+18, KWR16, KHS10, KNBH12, Kal18, KLM+13, LP+10, LBB+17b, LXR+18, LZCX19, LHP05, LVY+16, LH17a, LH17b, LH18, LZH+17, RSH+05a, Rit18, SSISI+16, TGLT14, UB18, VVC+15, WZF+18, WCPM18, WSL+19, XDF+19, YGH+17, YTL+18, BDJ+02, CHP07, FYW+18, GCB+17, HGY+17, HRV+18, HSK16, HKA+18, ISSI16, KBS15, KAL+17, LLL18, LVL17, LG+18, LSS+19, LKS+15, MTP+18, NZC+18, PZM13, PBvdP15, PBvdP16, PBVY17, PALvdP18, PKM+18, SBHH16, SCH+16, SSKS17, TKY+17, VKS+14, WZK+17, WPL18, WSS18, XZZ+14, ZTF+18]. Learning-Based [LZCX19, KWR16, WZK+17]. Least [BIW93, DMZ+17, LPRM02, FCOS05, HFG+18, SMW06]. Least-Squares [BIW93, FCOS05]. leaves [WWD+05]. lecture [SBLD15]. legacy [KHFH11, RTS+07]. Legible [ZCR+16]. LEGO [LYH+15].Legolization [LYH+15]. legs [GPD+18]. length [HRvdP04]. Lens [PC82, HESL11, LES10, PHN+12]. lenses [GRBN09, HRH+13, RAW08]. Lensing [DGHz+16]. Lenslet [LR15]. lenticular [THK13]. less [RRC+16]. Let [ISSI16]. Level [Aca07, CH14, ECCB14, MBWB02, Van82, YCL+15, BHY15, CJIW15, CLMM014, DE05, FKY+10, HFT15, HBD+14, HNB+06, KJM08, Kim10, KCS+10, LRT+14, LWS+18, Lee18, LWS02, MASS15, NNSM07, OBA+03, RSH05b, SLWF14, YKJM12]. Level-of-detail [ECCB14, FKY+10, HFT15]. Level-set-based [YCL+15]. levels [KWK09]. Leveraging [KORD11, MT14]. levitated [OHR14]. Lexical [SG91]. library [HZW+13]. library-driven [HZW+13]. LiDAR [LGZ+13]. lie [BT19, Duf17b, Duf17a, KCD09]. life [AECOK17, TMB14]. Lifetime [LCD+19]. Lifted [APL14]. Light [BBS14a, BSBS16, BJNJ18, CBCG02, CNR08, DPW15, DKHS14, DJ05, GKS+12, HSHF10, HMP+08, Kla87, LNA+06, LRL+15, LR15, MJC+03, MMT18, MLY+19, OF01, PRM14, SHD+14, VMCS15, VPB+09a, WZK+17, YSHWS16, BHR13, BDM09, BSB17, BJ17, CDP+14, DHS+05, EDR11, FA07, Fat09b, GTHD03, GLDZ15, GHS+16, HWB14, HGW15, IZT+07, JBM+17, JMB+14, JMY+07, KWR16, KHD14, KHK+11, KKH+11, KPF+13, KBC+13, K111, KGH+14, LHK+10, LWH+11, LL13, LPRM02, FCOS05, HFG+18, SMW06].
LJM+16, Leh07, LZT+08, LAC+11, LALD12, LKL+13, LLW+08, MSRB07, MLR+14, MRK+13, MRK+14, MWBR13, MPDW03, MSOC+19, MGJ19, MCT15, OK10, ORK12, OHX+14, OHH+18, OEE+18, POB09, Pan17, PML+09, QSH+15, RJD18, SNM+13, SHL+17, SLS+16, SSS+04, SOHK16, SHK+17, TAV+10, VRA+07, VWJ+13.

light [VKS+14, VK16, WDT+09, WLM+15, WLHR11, WLHR12, ZWGS02].

light-driven [BDM09]. light-field [MRK+13].

Lighting [HZW12, NBB04, BPMF07, SW14, SWZ06, SHS+18, SS00, YY17, BAOR06, BBPD12, BBP13, CPWP08, DW+02, DCP+14b, GGN18, KP09, KAMJ05, LK02, LYL+16, MWRD13, NRH03, NJS+11, RKK+07, RMD07, RND+07, RZL+10, SHS+17, SSK+02, VVB+12, WSM11, XMR+11].

Lights [OKH+16, DKH+10, HKWB09, HWJ+15, KWW+17, NNDJ12, OP11, WHY+13, WR18].

LightSlice [OP11]. lightspeed [RKK+07].

Lightweight [BBGB16, UMK17, VVB+12].

like [DSG+12, HZ11, KLY+14, MGA+03].

Lillicon [BL15]. limits [MWTK13].

limit [TSL+16].

Limited [DBP+15].

limiting [WOR10].

Limits [BAU15, WP06].

Linde [DSZ17].

Line [And82, BS19, BKR+05, KYYL08, LMLH07, LB84, RWV90, SZLG10, SZG+13, VASS, BGAM12, CSD+09, FLB16, FZLM11, GTDS10, GCR13, GRT13, HOZ+19, JDA07, KNS+09, KLKL13, KSS+17, LWO19, NHS+13, PSBM07, Spr82, VKS+14].

Line-art [KYYL08]. line-drawing [Spr82].

Linear [Alef02, BS16, DPW15, DMZ+17, DLTW90, DHI+13, Fie85, GTH03, HGM14, KW03, LSO0, LSLCO05, Mey91, NON85, OP01, RY92, WJBK15, WS85, dSPD09, BBO91, BBO+09, BSB17, CDP+14, CS09, DCP14a, FLB17, HSB+12, HDA17, HKG11, LMR+15, MMG06, MIGYM15, MHR+16, NRH03, PLR+16, SdS02, TDM11, WHSG97, WB08].

linearization [KJ10].

linearly [HDN+16].

Lines [Bak94, CH14, Fat14, MST89, YZX+18, CGL+08, FTP03, KK87, LLW17, OBS04].

LineUp [YYL+19]. linkage [BCT15, TC+14]. linkage-based [TC+14].

LinkEdit [BCT15].

lip [ELFS16, SSKS17].

lips [GZW+16].

Liquid [BHW13, Thu17a, ATW13, ATW15, BDRW12, CWSO13, FMB+17, FGZ18, KTT13, MBT+15, NB11, PHT+13, Thu17b, UHT17, WLZ+09].

liquid-fabric [FGZ18].

liquid-hair [FMB+17].

liquids [AGL+17, CWSO13, CPPK07, DHB+16, GB13, KYS09, LLB17a, LSSF06, MYH+10, RWT14].

List [TOP03].

listen [EMI+18].

lists [CSN+12].

Live [MZR16, DWT+02, KMDW17].

live-action [DWT+02].

live-streaming [KMDW17].

LiveCap [HXZ+19].

лизация [MPK09].

Lloyd [BS09].

lobes [LPC+11].

Local [APH+14, BB83, BBS14a, GSV+14, HKC+18, KAI14, MP09a, MSOC+19, MCY14, PHK11, Pet89, SL05, WGY+18, ZDL+14, ASC+14, CDSD13, CH89, C087, DKH+10, DMF15, FF11, FLSG14, GGY18, HZ13, ISSI16, KS10, KAMJ05, LFUS06, MHR+16, RKKZ12, SCF+04, SL17, SSD09b, TMRL14, VMGM15, WHSG97, WSH+18, WRK+10, WGB16, YSW+17, ZSW+10].

locality [SNB07].

Localized [HDA17, BWSS09, NVW+13, PHT+13].

Locally [BSB16, Pot91, RPPS17a, SW18, Sze06, TIA07, WZ14, BSB17, CW17, FLG15, ISSI17, MSRB07, RPPS17b, YYW+12a].

located [KKB+11].

Locating [HLV+17a, HLV+17b].

location [EKA84, UMK17].

Locomotion [CKJ+11, KKL17a, LPPK14, AvdP16, CLS03, GvdPdS13, KL17b, LWB+10, LLK+15, LLKP11, MdLH10, PBvdP16, PBYV17, TTL12, WP09a, WPP14, WHDK12, cWP10.
[VLA15, WWH04]. Logarithmic [LGQ+08].
[AAC+06]. Look [CLC14, BPD06, DSG+12, Lau18, WKHA18, ZMN+19].
look-ahead [ZMN+19]. Looking [EML+18, Fol91, RPC+10]. LookinGood [MBPY+18]. loop [HGG+11]. looping [LJH13b]. Loops [HLSH18, CBK12, DLSCS08, LFH15, She13].
Lorenz [FCJ07], Lorenz-Mie [FCJ07]. loss [VRM+18]. Lossless [YGM97, GD02, PK05]. loud [DZS08].
[APC+16, HHGH13, Lee18, MCE+17, ME05, WS17a, APL14, CH05, CLW+14, GKH+13, HSG+16, KLS03, KO11, LHKR10, LWH+12, MSRB07, MdLH10, MK16, FU06, SHP04, SKS02, WS17b, YTL18]. Low-budget [HHGH13]. Low-complexity [ME05].
[APC+16]. Low-cost [KC+17], low-dimensional [CH05, LWH+12, MdLH10, SHP04].
Low-discrepancy [APC+16].
Low-Dynamic [WS17a, WS17b].
low-quality [CLW+14]. low-rank [LHKR10, MK16]. Lower [KM97, SJ94, MWTK13].
Lower-Dimensional [KM97]. Lpics [PVL+05], LR [GLLR11].
Luminaires [VADWG15]. Luminance [CAD19, MC92, TAKW+19, DRE+12, KWK09, MKRH11, SCT+15].
Luminance-aware [CAD19]. Luminance-contrast-aware [TAKW+19, DRE+12].
Made [Pet95, FCODS08, LMS13, MZL+09, MMBM15, SFG+13, SSJ+11, TSG+14].
Magic [CX+15, PHN+12], magnetic [HMT+15, KPH18, PLMR17, WMB19].
Magnetization [KPH18]. Magnets [TGPS08], magnification [LT+05, WD+15, WRS+12, ZTF+18].
maintain [HK12]. Maintained [vOV96].
man [FCODS08, LMS13, MZL+09, MMBM15]. man-made [FCODS08, LMS13, MZL+09, MMBM15]. management [BD06, LDS02, OLs84].
Manga [QWH06, CCL12, CLC14, LLW17, QPWH08].
Manifold [CCZT12, DS92, DWT+10, JMI12, LXY+16, CK14a, MRS15, RSS19, YZ04].
manifold-based [YZ04]. Manifolds [NRS15, WLY+16, CBK12, GO12, HP04, LV+16, Man86, OA+10, WTL+06a].
Manipulating [Res87]. Manipulation [AASP17b, Jac86, KO14, vOV96, AASP17a, BSL12, BS+19, BLDA11, CA10, CWW+12, CWW+13a, DCD15, FFLS08, FSF16, GS09, GOS2, GOS85, IH03, IM10, KO13, KSES14, KLS12, KSKL14, LYP+13, LLZM10, LLH04, Liu09, OF12, SNM+13, SILN11, SSP07, VB16, WMZ+13, XY+09, YKH04, YZX+04, YJHS12, ZCC+12, ZHX+07].
manipulations [BLDA11, KDM+16, YL12].
manufacturing [AHB18, MDS16, MSDL17, MHS18, YO+15, ZZX+18].
Manuka [FHL+18].
Many [TJ07, HPB07, HKW09, HW+15, JLF+09, LPKL14, OP11, SCS+08, WHY+13].
many-core [SCS+08]. many-light [HPB07, HKW09]. many-lights [HW+15, OP11, WHY+13].
many-muscle [LPKL14]. Many-worlds [TJ07].
manycore [KGB+09]. Map [ROA+13, ASP07, HSRG07, HWG14, LSA+16, NFA+15, RH02, ZG04, ZK14].
Map-based [ROA+13, ZG04]. Mapped [KH17a, KH17b, WZYR19, YHJ+14].

Mapping
[Lip18, SW18, SCB88, SWK16, TB87, ASC+14, BKR17, CS00, CBCG02, DHI+13, EMU15, EKM17, GP09, HOJ08, HJO9, HSST10, KD13a, KISS15, KJDL09, KO11, KZ11, LHW+10, LCTS05, LW16, Lip12, MCK+17, MDT08, MAF+09, MWI18, MGC+19, MM06, NL13, PNSB13, POC05, PTH+17, QZG+19, RTH+07, SAPH04, SHHD17, SD1S02, SCT+15, SCA02, SXD+12, TT09, WWT+03, YZWH12, ZMT05].

Mappings
[BJNJ18, DFYL19, RPPS17a, AL13, API14, APL15, CW15, DFZ+17, FLG15, FL16, KSS06, KABL15, PL14, RPPS17b].

Maps
[ESBC19, HJS+14, LRU95, Shn92, THCM04, ARB30, BCGW09, BCE+13, CJSZ16, CZ17, CKPS17, DK90, FFL10, Fat09b, FG11, GASP08, HSB+12, HZG+12, HLW+19, JSP17, KLF11, KAB+10, KSF03, LS07, LPRM02, LGQ+08, MJC+08, McCO0, NG18, OBCS+12, PRF+15, PBFJ05, RPW08, RKG+08, RCol09, SCh+14, SGW06, SCH03, SD02, Tar16, TFWB03, WJSJ17, WDB+08, WG10, vW09].

marker [HLW+18, Markerless [LW17+18, marker-based [HLW+18].

Markerless [BPS+08, MWI18, ZGB19].

markers [HMT+15, LMB14, RNd+07].

Markov
[CNX+08, Gol84, Gol85a, JMJ12, OKH+17].

Markovian [GR89].

mask [FZL+15, VRA+07].

Masked [AHAM15].

masking [LCD06, RSI+08].

maskery [PBSH13, WOD09, WSS+12, dGAOD13].

Mass
[SHS+18, TBV12, TFD+18, BvdP11, KGS+18, LBOK13, SLF08, SHS+17].

mass-spring [LBOK13].

masses [AMS03].

massive [PFHA10, SSJ+11].

Massively
[GLdF14, KS95].

Massively-parallel
[GLdF14].

Mastering [SII18a].

masters [BLCD02].

MAT [LWS+15].

match [PDSH17].

matched [LS07].

Matching
[BBB+93, BBG10, KZS+15, LYP+14, MOR+18, BTFN+08, DML17, GCO06, HFG+06, KFR04, MHTG05, RJ07, ST04, STZ+16, SMGE11, TFWB+10, WLL+14, WY04].

Matchmaker [KSG03].

Material
[BBPA15, JTRS12, KW17, LL11, XLCB15, YSB+15, CRA11, CLSM15, CXY+15, CPWAP08, DDB16, DTPG11, DJ18b, FLG19, GTJS17, GWW+18, GZB+13, HGF+18, HFG+18, KP10, KRFB06, Kim18, KFB10, LMS+19, LBAD+06, LHDG+14, MIW16, MWI18, SGM+16, SARW+15, SSC+13, VD07, VWKK+13, WFL+19, WDR11, WDR13, XSB15, YCL+17, ZAJ+15, ZFWW18].

Material-minimizing [KPW17].

Materials
[BAU15, HM92, LKB71a, RT90, AWL15, ATD11, Be18, BBO+10, DI11, DBD16, DJ05, GTJS17, HFM+10, HR13, IDN12, JAM+10, JFM14, JAG18, JB02, KMDO9, KCD+16, LBK17b, LMBP13, MTGG11, MPH+15, NGL10, PRJ+13, PRFS18, PL07, RGB16, SMCT18, SJS+14, TIR18, TWL+05, WTL+06a, WZT+08a, WZB17].

mathematical [LZ04].

MathPad [LZ04].

Matrices
[GoL85a, YCP16, KS13, WSS+05].

Matrix [HPB07, BFGS03, HW+15, HWW+16, OP11].

matte [BCN08].

Matting
[YYW11, CAC15, CXY+15, NGL10, PRF18, PL07, RGB16, SMCT18, SJS+14, TIR18, TWL+05, WTL+06a, WZT+08a, WZB17].

Matting
[SMC12, SBS+12, WY13].

maximization [XZJ+13].

maximum [ME05, Xia97, YSW+17].

maze [KX07].

MCMC [YYW+12a].

MDE [LX+16].

me [MWB12, YRF09].

Mean
[HF06, JSM05, TMB18, LJJ13a, PCL+12].

means [AJB18, RKK12, Zit13].

measured
[WOR11, WMP3, DDTP15, BBO91, JKZS10, WOR11, WMP+06, YTJR15].

Measurement [DDTP15, BBO91, JKZS10, WOR11, WMP+06, YTJR15].

Measurement-based [DDTP15, WMP+06].

measurements [CHM+12, HKA+18].

measures [MIWBO2].

Measuring [HP03, MWAM05, KRD+12, PRWH+18, PPZ+11].

Mechanical [SMCT18, CLM+13, CTN+13, KLY+14, MSS+19, MY+10, XBZN19, ZKBT17, ZXS+12].

Mechanisms [AVG12, HV+10].

mechanism [XLY+16].

mechanisms [HFF18, MZB+17, ZAC+17].

media [BAGL19, BRM+18, Fat09b, FCJ07, GCH+19, HED05, HWH+16, JDD+08, LBDF13, MPG+16, NGD+06, NNDJ12, NSJ14, RSA09, WZHBO9, YIC+10, YSC+18, ZWDR16].

Medial [LWS+15, LWD+16, HWCO+13, YSC+16, YLY18].

medial-axis [BO04].

median [Wei06].

Megapixel [WFDH18].

melanin [TOS+03].

melding [SB93].

memory [BAM13].

merge [WTGT09].

MergeTree [VKJ+17].

merging [DP13, FHB+10, GKDS12].

Mesh [ACP+01, BYG96, Erl18, GZC15, HS13, JTCW07, LVJ05, SK16, SZT+07, SLMR14, SZGP05, TGBE16, ULP+15, WLT16, YXZ+04, YKH10, ZH+06, ZGZJ16, ACXGO9, ATC+08, ACBCO17, BAS14, BCGE05, CF09, CPMS14, DBG14, DSCC08, DKP11, DTP15, EBCK13, FDCO03, GDC15, GJTP17, GPCP13, GSFD+14, GF08, HSL+06, JTG05, JDD03, KHS10, KTO03, KG05, KZB15, LHM+09, LDS+16, LD14, LDPS4, LXW+11, LBJG17, LSTV15, LBK16, MBF04, NSAC005, NGO4, PK05, SNCH08, SDH+18, SYBF06, TPP+11, TWG10, TWAD09, VMW15, VBMP08, WZHBO9, Wam16, XZY+07, YLY18, YLPM05, ZZWC12, ZJ12, ZHS+05].

Mesh-Based

[ErL18, SZGP05, DBG14, TWG10].

MeshCNN [HHF+19].

Meshed [CH02, Wil92].

Meshes

[BSTY15, ERT14, LS00, NAH+18, Sar00, TGBE16, WSY19, YCP16, AW11, ATW13, AF8003, BBP12, BC18, CSPF12, CS09, CWOS13, DL13, DP13, EB14, EPD09, FOK05, FKY+10, FSK04, GGS03, GLRR11, HV04, HA18, IG03, JTPSH15, JSS10, KFCO06, LS07, LKZ10, LSL005, Lip12, LPW+06, LXFH15, LXY+16, MS04, MCKM15, MPKZ10, OBS04, PRP+15, PZKW11, PPW18, PTC+15, PKC+16, PKC+17, SPGT18, SB09, SSP08, SSW+13, SG18, SP04, SLW07, SSK+05b, SKC+14, TPSH13, TSG+14, TLJ18, TPT16, VMW17, WM03, WTGT09, WPGM16, YPPM11, YSK09, YKJM12, ZBG15b, TGB13].

MeshFlow [DKP11].

MeshGit [DP13].

MeshHisto [STP15].

Meshing

[Pan18, SRUL16, ACSYD05, BCF+13, CBK12, ECBB14, FSBH16, FLGS14, GPW+17, HZG+18, LLX+12, LC+18, LCBK19, SRUL17, WGF+18, ZGW+13].

Meshless [HHTG05, PAK+05, RSLL18, FGBP11, HLW+12, LZE+08].

Meta [Win14].

Meta-representation [Win14].

Metal [DWM15, PH15a].

metallic [HCE03, PH15b].

metalophone [BLT+15].

metamaterial [MSS+19].

metamodel [LWL17].

metamodel-based [LWL17].

Metamolds [AMG+18].

metamorphosis [COSL98].

Metaphor [BBS03].

MetaSilicone [ZKB17].

Method

[FFG90, LR90, LR91, LB84, MAJ92, MHNT15, PK83, RRC89, RT90, Sar00, SDG+19, SCS+19b, YS+15, ANZ18, BSD09, BGO06, BWHT07, CZZ14, DB16, DTH06, FLGJ19, FTP16, FFG+17, Gal99, GTS17, GBO04, GHF+18, HZ11, HFG+18, JSS+15, JZ16, KLL07, LXY+16, MHM+09, MTP04, SR05, SMGH18, SSC+13, SS17, UBW99, WDT+09, ZHL10, ZJ14, ZSB10, ZZC13].

Methodology

[ErL18].

Methods [CCK92, ErL18, LBK17a, LC96, MEM+19, NN95, PP94, SPV+16].
RFL⁺05, TDM⁺14, TWL⁺05, TB87, WZT⁺08b, WZT⁺08a, WQOS05, WFY⁺10, ZWW⁺18, AAL16, AZB09, ASF⁺13, BAS14, BB17, BHMK⁺18, BBO⁺09, BWS10, BJ⁺12, BK04, BWΠ13, BRB⁺19, CWW⁺12, CLS⁺15, CSW⁺16, CK10, CKGK11, CEW⁺08, CNX⁺08, CLW⁺14, CXL⁺15a, DP13, DJBDD'T13, DZS08, DTPG11, EBJ⁺06, FSL⁺15, GHP⁺08, GIZ09, GRB⁺18, GKTIT13, GTR⁺06, GCH⁺19, HGY17, HPSZ11, HSTP11, HMGO3, HMLL15, IKKP17, IOO05, IYYI14, JTC09, JGRG15, KBDO7, KW11, KMP07, KN02, KYC⁺17, KCVW13, LF02, LRAO08, LCXS09, Lec05, LT06, LT09, LT09, LPL⁺17, LPL⁺18, LPW⁺06, MHS⁺19b, MWAM05, MPH⁺15, MWH⁺06, MZZW07, NKS080, NFD07, NFJ02, OBH02, ODAO15, PPZ⁺11].

modelling

[PCL⁺12, PH08, PCKG03, PKZ04, PLK18, QTZ⁺06, RSO98, RMG10, RDI10, RTB17, SIZK15, SSW15, SXZ⁺12, SLR⁺16, SSY⁺04, SSS⁺08, SSK⁺17, TAV⁺10, TSNI10, TGY⁺09, TLL⁺11, TZW⁺07, TFX⁺08, TSO8, TPT16, TM14, UKIG11, VBG⁺13, VABW09, VBK05, VBP⁺18, WTL⁺06a, WLZ⁺09, WOR11, WWY⁺15, WMB19, WC10, WOD09, cWP03, WYD⁺14, WWL⁺19, XFT⁺08, XZF⁺09, XGC07, XZZ⁺11, XLX⁺16, YTT15, YKJM12, ZSCS04, ZCW⁺17, ZQCL19, ZXS⁺12].

modellness [MWI18].

Modelling

[TO02, DYY16, LPC⁺11, vHD17⁺07].

Models

[GDAB⁺17a, Gre86, KSZ⁺15, KH17a, NON85, PM18, Roc89, SCB87, VR94, VJ19, WLX⁺18, ASK⁺12, AAR05, BJ05, BPK05, BGG⁺05, CCA⁺12, CGG⁺04, CDM⁺02, gDGPR02, DS15, DAB15, DSP06, DLSCS08, DIP⁺18, ESK16, FGBP11, FH10, FMK⁺03, GDAB⁺17b, GGG⁺13, GBFP11, GM05, GKJ⁺05, HBLM11, HMC11, ISF07, JHY⁺14, JP04, Ju04, JZH07, KIL⁺16, KMM⁺02, KGFF14, KGS⁺18, KSES14, KWN⁺17, KOY⁺11, KLM⁺12, KS04b, KSSC08, KH17b, LAJJ14, LOM11, LePS84, LRA⁺07, LSH⁺10, LHHF15, LSSS18, LKYU12, LBRM12, MCC09, NKF09, NGDA⁺16, NCVMO05, ONO04, PHL⁺09, POB09, PBSH13, PNDN12, PSK⁺12, PNI⁺14, PJH⁺17, RID10, SXZ⁺17, SLF⁺11, SILN11, SHOW02, SSB03, SGG⁺06, TLK09, TK14, TDM11, TRE16, VGDA⁺12, VBPP05, VKS⁺14, WOR11, WMC11, WHH⁺13, XLF⁺11, XWY⁺09, XCF⁺13, ZRLK07, ZLP⁺15, ZJMB11, ZLB16b].

Modified [LW06, LSSW19].

Modular [LAM⁺11, WST09, ZHRB13, FH11, GMP⁺16, HFH⁺17, JPP⁺14, LLMZ16, XBBZ19].

modification [ZG03].

moiré [HC04, CH14].

molding [DPB16].

molds [AMG⁺18, AMG⁺19, NAI⁺18].

moment [BBWH14, PDKH15].

momeents [GOMP98, PMHD19].

Momentum [KH17a, KH17b, MZS09].

Momentum-Mapped [KH17a, KH17b].

Monitor [LR90, LR91].

Monocular [GZC⁺16, HXZ⁺19, RKS⁺14, XCZ⁺18, GVWT13, GZW⁺16, MCG⁺19, SWTC14, WC10, WBGB16].

monolithic [VL1⁺13].

MonoPerfCap [XCZ⁺18].

monotone [LVS⁺13].

montage [CCT⁺09, LGYC15].

Monte [JM12, ALLD17, BVM⁺17, BAGL19, CKS⁺17, DMB⁺14, GLA⁺19, GHZ18, HET⁺14, HRV⁺18, KBS15, LADL18, McC99, OKH⁺17, PSC⁺15, RAMN12, RMGH15, SHHD17, SD12, SWZ96, SJ17].

Mood [COB05].

Morphit [YHZ⁺14].

Morphable [JCP⁺10, MZD05].

Morphing [LLN⁺14, SG01, AMZ99, ZWS02].

morphogenesis [PNDN12].

morphologies [HRE⁺08].

morphology [CB14].

morphs [RV11].

morse-parameterization [FBT⁺18].

mosaics [BA83, KP02, RAKR08].

MoSh [LMB14].

motifs [ACOH⁺18].

Motion [AJM12, AFO03, ACOYL08, AFP⁺95, DDK⁺17a, GXY⁺17a, HTHC15, JTCW07,
KDR+16, KGP02, LCL06, LWB+10, LSC+08, LWS02, LTF+05, MWGZ09, MC12, PSE03, PKC+16, PB02, SPS+11, TZK+11, TBvdP04, WFS+09, WLSL10, WF96, ZXS+12, AJS19, AWL+19, AXR09, AF02, Ari06, ACOH+18, BHR13, BSS+13, BBA+07, BLC02, CMZP14, CH07, CLQW08, CL09, CLS03, CBL+16, CGZ+05, CYT+18, CHP07, DW+18, DCP+14, DMHG13, DKD+17b, ETH+09, EMO10, FP03, GSH18, GPD+18, GSKJ03, GXY+17b, HYL12, HET+14, HRvdP04, HRE+08, HKT10, HSK16, Hol18, HHC+19, HKD07, HKX+19, HQL+10, HPP05, HCTW11, HMT+15, IAF09, JL09, JWD19, JHS12, KA08, hKPS03, KHKL09, KG08, KLLT08, LBJK09, LCR+02, LSR18, LAGP09, LHDG+14, LP02, LHP05, LYvdP+10, LW+13, LMB14, LEX16, MP07, MCC09, MYWI15, MK05, MRC05, PHT+13, Par17, PH06, PCSS06, PRLG16, PMRMB15, RAT06, RNLD+07, RP03.

**motion** [RP07, RPE+05, RSH+05a, RRC+16, SHP04, SH07, SHU+16, SSBG10, SJA08, SNF05, SKL07, SP05, TK05, TBW+12, TAH+04, TGPS08, VKB+18, VAV+07, VSH12, WRDF13, WAO+09, WB08, WMZ+13, WC10, WMIC11, WZC12, WLP16, WL16, WXCH15, XWL+08, YM16, ZKS18, ZZMC13, ZMCF05, BZL+17].

**Motion-aware** [WFS+09]. **Motion-based** [WLSL10]. **motion-beat** [hKPS03].

**Motion-driven** [AJM12]. **Motion-guided** [ZXS+12]. **Motion-invariant** [LSC+08].

**Motion2fusion** [DDF+17]. **Motions** [KH17a, DJ18a, HRZ+13, HOKP16, KG04, KH17b, LJ14, LYvdPG12, PCSS06, RV11].

**motivated** [MKMS04]. **motorcycle** [SGPT18].

**mountainous** [BST09]. **mounted** [FRS19, KBBD17, LTO+15, SPS+11]. **mouse** [HGRT04]. **move** [Lau18].

**Movement** [DKD+17a, DKD+17b]. **movements** [NRH17]. **mover** [SRGB14].

**movies** [XYH+18]. **Movie** [CFS+18, FHL+18, SSRB+17].

**MovieReshape** [JTST10]. **Moving** [JX96, MHM+09, SG17, CC19, DER+10, FCOS05, HFG+18, LDS+11, LCORL07, SMW06].

**MoXi** [CT05]. **MPEG** [MEMS06]. **MPM** [SSJ+14, WFL+19]. **Multi** [Ang17, BHM+18, BBA+07, CQD+18, DXZ+19, GSD07, GWB05, HNH19, HHC18, KL17a, KL17b, Kim10, KHH+11, KIM+19, LSA+16, MEM+19, MPH+15, OBA+03, PGZ+19, PO18, RGP16, RSH05b, RSA09, SM17a, SJMP10, TGK+17, TFBW+10, TFD+18, WOR10, Wei10, XZJ+12, AAC+06, ASL+17, BNK10, BDW13, CTH+14, DW+18, DE05, DJ05, FZBR16, FFLS08, FAR07, FMB+17, FBGZ18, GPCP13, GP09, HSB+12, HGF14, HHD+16, HLR+17, HZC+17, KHKL09, Kou16, LWH+11, LLI18, LTI18, LMR+15, MSH+19b, NMD+17, NOP+18, NAB+15, ODAO15, Par17, PLW+07, RFT+04, RP09, SM17b, SBK+18, SHHW16, SKSY08, SCT+15, SARW+15, TAH+04, VSLD13, VBCG10, VWRK13, VBMP08, VP+09b, WWS+05, WLO+14, WGDE+19, XLS+11, XLX+16, YCL+17, dAST+08].

**Multi-aperture** [GSD07]. **multi-axis** [DW+18]. **Multi-body** [MEM+19].

**multi-cage-based** [GPCP13]. **multi-camera** [SHHW16]. **multi-channel** [HLR+17]. **multi-character** [KHKL09, SKSY08, WLO+14]. **Multi-chart** [BHM+18, GP09]. **Multi-class** [Wei10].

**Multi-Contact** [KL17a, TFD+18, KL17b]. **multi-dimensional** [WWS+05].

**Multi-directional** [PO18]. **multi-exposure** [TAH+04]. **Multi-feature** [TFBW+10]. **Multi-finger** [GWB05].

**multi-flash** [RTF+04]. **multi-frame** [GWB05].

**multi-frequency** [CTH+14].

**multi-labelled** [HSC+17]. **multi-layer** [LWH+11, PLW+07, SBK+18].

**multi-layered** [BNK10, BDW13, DJ05].

**Multi-level** [OBA+03, RSH05b, DE05].
multi-light [FAR07]. multi-material [SARW+15, WVRKM13, YCL+17].
multi-object [FZBR16, Par17].
multi-objective [LLL18]. Multi-operator [RSA09]. Multi-Order [KIM+19].
multi-person [LMR+15].
Multi-perspective [KIH+11].
Multi-phase [Kim10, YCL+17].
multi-plane [NAB+15]. multi-projection [SCT+15]. multi-rate [HGF14, HDD+16].
Multi-resolution [WOR10, HSB+12, VBCG10]. Multi-robot [DXZ+19].
Multi-scale [Ang17, BBA+07, CQD+18, LSA+16, MPH+15, RGB16, SJMP10, XZJ+12, ASL+17, FFLS08, FMB+17, FBGZ18, MHS+19b, VSLD13].
Multi-Source [SM17a, SM17b].
Multi-species [TGK+17]. multi-touch [RP09]. Multi-View
[HNH19, HHIC18, PGZ+19, Kon16, LTJ18, NMD+17, NOP+18, ODAO15, VBMP08, VPB+09b, XLS+11, XLX+16, dAST+08].
multi-viewpoint [AAC+06]. Multibody
[MNH15, PAK+19, ErI07, KJSP08, LT08, TJ07]. multi-copter [DSZ+16].
Multidimensional [HJW+08, HH90, RO85, RO87, WABG06, GM09].
MultiFab [SARW+15]. MultiFLIP [BB12].
multifocal [CKS18, MSM+17]. Multigrid
[KS11, BFGS03, KH08, SYB06, SBZ09, TJM15, ZSTB10]. multilayer
[HBLM11, HLBR12, WLHR12, YBJ+14].
multilevel [GPCP13, KS11]. multilinear
[TS12, VT04, VPP05]. Multimaterial
[DBG14]. multimodal [WCPM18].
multipath [KWB+13, MHM+17].
Multiphase [YJL+16, YYW12b].
multi-plane [ZTF+18]. Multiple
[EPO91, HHidD16, HC86, Joe89, KF93, LSSF06, RLY+14, XH18, AWBG04, APS+14, FG11, KGB+09, KVG+19, LJJ+18, MYRD14, MM06, MWM08, PBS04, SDIN18, WTL05, WSZ+14, WOQ05, WSVT13, WMW15, YCR+15, ZYW08].
Multiple-Fluid [RLY+14, YCR+15].
Multiple-knot [Joe89].
Multiple-scattering [HHidD16].
Multiplexed [HKD14, LLW+08, NZV+11, RNd+07, WGT+05]. multipole [STZ14].
Multiprocessor [GHCC88].
Multiresolution [JP03, LDW97, VR94, dFP95, BMBZ02, BA83, CGG+04, DHW+11, GM05, KN02, KS98, Lee05].
Multiscale
[WAR07, HRRG08, WYZG11, HH10, HMC11, PKG06, SSD09b, TWGT10, TLHD03].
multisensory [EMO10].
multisided [Var92, LD90]. multispectral
[LYL+16, MRK+13, SBK+18].
Multithreaded [HMLB16]. Multiuser
[DFY19]. multivalued
[MASS15].
Multivariate [CGM91]. Multiview
[DRC+15, GFT+11, HKC+18, KN06, KDW+17, LES09, WSS+19].
Multiway
[Tsa15]. muscle
[GvdPvdS13, LPKL14, LPLL19, PH08, SNF05]. muscle-actuated
[LPLL19]. muscle-based
[GvdPvdS13].
muscles [LYP+18].
musculoskeletal
[FLP14].
Musculotendon
[SPK08].
mush
[LL19].
music
[LYGC15]. music-driven
[LYGC15]. mutations
[LLR+16]. My
[HAB16].
Naive
[Mor11].
nanostructural
[ABH18].
narration
[JMD+17]. narratives
[CM10].
Narrow
[LHZ+18, ABO16]. Narrow-band
[LHZ+18].
natural
[JMA06, SJ94, SGWJ18, WTBS07a, BAC+06, KHD14, Pe10, RPE+05, ZMSS18].
natural-constraint
[KHD14].
naturalistic
[NB11].
Nautilus
[LSS+17].
navigate
[RMBB13].
Navigating
[LS00, SSC19a].
navigation
[CDSHD13, KC19, SAZK06].
NC
[HA92].
NDFs
[BSM19].
Near
[ALK+17, BHR13, HGM14, KKN+13, LL13, LLH04, SHT+17, TLP07, CAJ09, HCC15, JBM+17, JBL18, KPM+17, MKG17, XNY+16, YJR17, YL08].
[KKN+13]. Near-eye
[ALK+17, LL13, SHL+17, HCW15, JBM+17, JBL18, KPM+17, MGK17]. near-field
[XNY+16]. Near-invariant [BHR13].
Near-optimal [TLP07]. Near-Regular
[HGM14, LLH04]. near-rigid [CAJ09].
near-unactuated [YL08]. nearest
[MSDL17]. neck [LT06]. need [KRF+18].
needed [Na98]. needle [CAR+09].
neighborhood [Man86].

[PSA+11]. neighborhood [Man86].

[CTW09, MEA+18, QHC17b, ABC+16, BHN07, CZJ12, CGW+13, CD05, EMU15, Fat11, GLDL12, GSV+14, GZD08, GKT13, HSD13, JZW+15, KTBV16, KBS15, KP11a, KCODL06, LLDD09, LD11, LWSF10, McC99, OJD04, Per02, QHC17a, SD12, SZG+13, TEZ+19, WYL+14, Wei10, ZHWW12, dGBOD12]. noise-aware

[EMU15]. noisy [YSQS07]. Non
[BSN16, DMZ+17, HSGL11, HOZ+19, JDD03, JHR+15, KSSCO08, MEM+19, MASS15, MHR+16, NHAH03, RTF+04, SSW+13, ZSW+10, ZZB+18, AHI+08, BBO+09, BRM+18, BHW16, BR07, CCA+12, CANDS09, DMIF15, FZL+15, FLGJ19, FAW19, HSB+12, HRV+18, KP11a, LBAD+06, LFS16, LWO19, NRH03, PPTSH14, PLR+16, RCOL09, RKN12, WW11, YSQS08, ZLQF15, ZNI+14].
non-assembly [CCA+12]. non-blind
[YSQS08]. non-equilibrated [FLGJ19].
non-exponential [BRM+18].
Non-homogeneous [KSSCO08, FAW19].
Non-invasive [NHAH03]. Non-iterative
[JDD03]. Non-line-of-sight
[HOZ+19, LWO19]. Non-Linear
[DMZ+17, MHR+16, BBO+09, HSB+12, NRH03, PLR+16]. Non-local
[ZSW+10, DMIF15, RKN12]. Non-manifold
[MASS15]. non-Newtonian [ZLQF15].
non-orthogonal [PPTSH14].
Non-Parametric [BSN16, LBAD+06].
Non-photorealistic [RTF+04, KP11a].
Non-Planar [JHR+15]. Non-polynomial
[SSW+13]. non-reflecting [BH16].
Non-rigid [HSGL11, BR07, ZNI+14].
Non-smooth [MEM+19]. Non-stationary
[ZZB+18, AHI+08, RCOL09].
non-successive [FZL+15]. non-uniform
[CADS09, LFS16, WW11]. non-uniformly
[HRV+18]. nonconforming [EB08].
Nonconstant [FG90]. Nonconvex
[GBF03, BDD11]. nondiffuse [WS99].
nondissipative [SSK05a].
nonhomogeneous [GMP09]. Nonlinear
[CWC11, HMG03, LHW+10, VSMS15, XSZ15, ZB94, CAJ09, CPWAP08, CQQ+18, KJDL09, LHP05, MLPP09, PMS12, VMTF09]. nonlinearity [KTS+14].
nonminimal [ABJN85]. Nonparametric
[Hob90]. nonphotorealistic [TER04].
Nonplanar [Mil87]. nonreflective
HSB +12, IM10, KH08, LZKW10, Man86].

**Operator**

[AOCB15, BDK +16, LKG +03b, RSA09].

**Operators** [EC93, ACSM12, AML18, Bel18, KW03, LCTS05, LJO19, MBWB02].

**Opponent** [SCB87]. **Opt** [DMZ +17].

**OptCuts** [LKK +18]. **Optical** [OK10, PRM14, SS19, HLW +18, Ho18, HLZ10, HLBR12, LJM +16, MLYZ19, SGM12, VWJH17]. **Optics** [Fre16, IGP +17, LGX +13, NYY04, SDP +18, WFDFH18, YHW +18].

**Optimization-based** [ASF +13, DMZ +17, HNH19, JYL09, LCD +19, ZSCM17b, BZCC10, BKR17, BOFN18, CH07, CGM11, COS19, FH04b, GWW +18, GPD +18, GRT13, HFF16, HDN +16, HMG03, HZG +12, JTSW17, KNSG17, KGL16, KSSH17, KEBK05, LDK +18, LZ14, LLW04, LW12, LHdG +14, LLMZ16, LWL17, LKK +18, LGL +19, LHP05, LXY +16, LHI18, LHZ +18, LSVT15, MDLW15, MTP12, MWTK13, MAB +15, MHR +16, PL07, PDZ +18, PTH +17, RKAP +12, SXZ +17, SZB18, STZ +07, SPSH +17, SCT +15, SaLY +08, SDF +18, SHOW02, SMGH18, SLWF14, TBC +16, TWAD09, TYY +19, UKSI14, WHSL11, WSW +12, XWW +14, YLYW18, YCL +15, YYT +11, YYTC12, ZK14, ZSCM17a, ZBK18].

**Optimization-based** [ASF +13, JYL09, FH04b, GPD +18].

**optimize** [AMA +19]. **Optimized** [DZP09, WTLS08, LH16, LKK +16, MWBR13, MMdGD11, OHB +11, SLWS07, WLSL10, XUC +14]. **Optimizing** [AKJ08, CAA09, GSH18, HSGL13, HH10, Ter18, WFH09, WFH10, WHDK12, BWWBS14, LHKR10, LYH +15, TDM +14]. **OptiX** [PBD +10]. **Orbifold** [AL15, AL16, AKL17]. **Order** [BIW93, BSEH18, EC93, Jan91, KIM +19, MJJG18, BSS +11, GKH +13, GI04, MAB +15, RMB07, SMM14, ZRB14]. **Ordered** [BSW02, RMG15]. **Ordering** [AECO15, Wi92]. **organization** [HSS +13]. **Organizing** [XMZ +14, PHL +09]. **orientation** [FCODS08, HZM +08, LSL +18, RPWO18]. **orientation-preserving** [RPWO18]. **Oriental** [Bar86, SB93, CGM11, FvKBCO16, MC11, QHY +16]. **ornamental** [ZCT16]. **ortho** [TS08]. **ortho-image** [TS08]. **orthogonal** [PPTSH14, RHSH18b, LF08]. **Orthotropic** [MOSL17]. **OSCAM** [OHB +11]. **oscillatory** [KA08]. **Oslo** [Mey91]. **OT** [PK05]. **Out-of-core** [IG03, NNSM07, SBZ09, WWS +05, CGG +14, WHY +13]. **outdoor** [LRT +14, SPDF13]. **Outdoors** [DRC +15]. **outfit** [YYTC12]. **Output** [PK83, SO92, JP04, JBP06]. **Output-Sensitive** [SO92, JP04, JBP06]. **Output-Sensitive** [SO92, JP04, JBP06]. **OverCoat** [SSGS11]. **overcomplete** [MWBR13]. **overdraw** [SNB07]. **overlap** [KA08]. **overlapping** [Pik83]. **overlay** [SDS02]. **overview** [ACOYL08].

**P2P** [YHCZO18]. **P2P-NET** [YHCZO18]. **pack** [CZL +15b]. **packets** [JW17]. **Packing** [SHWP09, LVS18, LFY +19, RRS13, YCL +15]. **pad** [RP09]. **paGAN** [NSX +18]. **paged** [AGL +17, SABS14]. **Paint** [LSS09, PBMF07]. **painterly** [BBS +13, BOD +13, ZXX09]. **Painting** [ARS14, CH04, gDGPR02, LFB +13, SED16, SMPZ15, CKIW15, LBDF13, MP08, SSGS11, SBK +18, XCW14]. **Painting-to-** [ARS14]. **paintings** [BSS +11, BTFN +08, TDSG15, XKK +06]. **pair** [BDD11, HXM +13, ÖG12]. **pairs**
[MHM+09]. Path-Space
[BYRN17a, SNM+13, BYRN17b].
path-traced [HR13]. Path-Tracing
[CF*S+18, KIM+19]. Paths [HA92, KGH+14, LYTS13, RHJD+18, SGS+08]. Pattern
[BWKS+11, YCZ11, BSK+11, LYTS13, RHJD+18, SGSS+08]. Pattern-aware
[BWKS+11]. Pattern-guided [YCZ11].

[SHK]. Pattern-directed [UBW99]. PDF
[YXH14]. PCH [HMO12]. Perceptual
[ASZ+05, CGL+08, JMB+14, Lau+18, WKHA18]. Per-frame [WHSL11].

[CAD19, HDS+18, MKMS04, OD+01, PLKD+18, RBF08, VRC+13, BOD+13, CGZ08, KWK09, MBB+12, VLD+07, ZAJ+15, MLD+08].
Perception-aware [PLKD18].

Perceptually [HDS+18]. Perceptions [SN]. Perceptual
[DKD+17a, FRS19, HOKP16, MS05, RP03, SLF+11, SFWG04, TG04, TGZ18, UHT17, ZLP+15, DRE+11, DKD+17b, GSCO12, LKS15, PLR+16, SMD+15, WAKB+09, YI17].

Perceptually-aware [YI17]. Perceptually
[DPF03, HTER+04, KO11, ÖG15, SFLM04, SHK+17, GWM+08, KYS+15].

Perceptually-driven [DPF03, KYS+15]. Perceptually-guided [SHK+17].
Perceptually-supported [SFLM04].

Perfect [LH06b, CZ17]. Perforated
[ZLW+16]. Perforation [LNLB16].

PERFORM [DKD+17a, DKD+17b]. Performance
[CM83, CH05, FHA+14, HXZ+19, HTCH15, IWZL09, Tsa+15, VMKK00, WGT+05, XCZ+18, dAST+08, BHH+11, BBB+14, BHPS10, CBZB15, DKD+16, DDF+17, DK99, FH+17, HCTW11, KKS+18, LTK+15, MJC+08, MBP+18, PTMD+07, SN17, SDO+04, WVB+12, VLD+13, WBLP+11, WJV+05, WGP+10, WST+13, XCLT+14, ZGB+19].

Performance-based [IWZL09, WBLP+11].

Performances
[SWTC+14, TDL+18, XLS+11, Zho+18].

Performance-based [BJ+08]. performed
[SP05]. Performing [NN]. Periodic
[RLL+06, LWS+18]. peripheral [WWH04].

Permission [ZG02]. person
[CKS+14, LMR+15, GRH+12]. Personal
[JMAK10]. personalities [ZCL18].

Personality [DKD+17a, DKD+17b, SN].

Personalization [TR+17]. Personalized
[GZC+16, KIL+16]. Perspective [FSGF16, LSC+12, SD02, CA+10, GB+08, HJ+11b, KKH+11, LGQ+08, SBK+11, VRC+13].

Perspective-aware [FSGF16, LSC+12]. Perturbation
[CA+00, XZZ18]. Phace
[IKK+17]. Phase
[HKS+17, WRDF+13, BB12, FKN+17, GSV+14, GZX+13, Kim+10, SSJ+14, YCL+17].

Phase-based [WRDF+13, FKN+17].

Phase-change [SSJ+14].

Phase-functioned [HKS+17]. Phasor
[GNH+15, TEZ+19]. phenomena
[BWR+05, BLY+11, HMS+05, RNGF+13].

Phone
[WGJ+18]. phones
[AMS+03, SSL19].

Phong
[BA+08, VV+97]. Photo
[HH+18, KO+14, LHE+07, SS+06, XZZ+11, YZ+16, BSP+19, BL+11, CLY+18, CLS+15, CFL+15, CY+16, CZS+13, GZ+18, GSC+15, GAL+09, HSGL+13, HEH+05, JMAK10, KO+13, KNC+08, LB+12, OF+12, SPDF+13, SS+08].
Photo-inspired [XZZ+11].
photo-to-caricature [CLY18].
Photo2clipart [FLB17]. photobios [KSSGS11]. photobooth [PCK+08].
photogrammetric [TT09]. photograph [FH04a, FSH+06, KSES14, KNC+08, LDFT17]. Photographic [RSSF02, BP06, BPB13]. Photographing [AAC+06]. photographs [BK0+08, DS02, DIO+12, HE07, KHFH11, KGFF14, RMD04, RST+07]. photography [AJD+10, ARNL05, BPK+13, CZN10, ED04, GSMD07, HSG+16, HASK17, HK18a, ITM+14, KHKR11, KF09, KS11, LSC+08, LLW+08, MWBR13, MPN+02, MCE+17, NLGK18, Ng05, PSA+04, RAT06, RAWV08, SCG+05, VRA+07, VWJ+13, XRLF15].
photometric [HLHZ08, MS05, PCK+08, VBP+09b, WGP+10, XBS+19, ZRL+09].
photomontage [ADA+04]. Photon [DJBJ19, GR5+17a, BJ17, Dec05, GR5+17b, GHV+18, HOJ08, HJ09, HJJ10, HJJ11a, JNSJ11, JNT+11, KD13a, KZ11, LOW18, MM06, QSH+15, SJ13]. photonic [HHGH13]. Photorealistic [GN06, POB09, Ts15, KP11a, PRFS18, RTF+04]. Photos [AEC015, FSGF16, MBGS15, SGS08].
photossensing [RBV+04, RNd+07].
PhotoShape [PRFS18]. Physical [BSL+16, BK5+12, CSvR18, HFM+10, KKKR+16, YYL+19, BBBBB+13, LBFD13, MIW16, PKM+18, SWK16, WW13].
Physically [HMS05, HESL11, LCT19, NFJ02, SML+12, WLZ+09, WMC11, WDR11, YTR15, BP08, FP03, GS04, LSGV18, MWRD13, MPP11, ODGK03, RYL13, SHP04, SNM+13, SH08, TK0, UIM12, WC10].
Physically-accurate [YTJR15].
Physically-based [HMS05, HESL11, LCT19, SML+12, WDR11, GS04, MWRD13, SNM+13, TK0].
Physics [BSK+16, BVF17b, CYFW14, DLK18, EHS+19, GB13, HHC+19, KGBS11, LVY16, LH17a, WTGT10, YPA+18, AVF17, CBvdP09, HMT+12, IKKP17, JL11a, KIL+16, KPMP+17, LHP05, LH17b, MMCK14, MTM16, MdLH10, PDZ+18, PALvdP18, YRPF09, ZZMC13].
Physics-Based [BVF17b, LYY+16, LH17a, EHS+19, GB13, HHC+19, AVF17, CBvdP09, IKKP17, JL11a, KIL+16, LHP05, LH17b, MdLH10, PALvdP18, YRPF09, ZZMC13].
Physics-driven [BSK+16]. physics-guided [MTM16].
Physics-Inspired [MCSK+17].
Position [GHZ18, MM13, PTV+17, RMD12, YHMR16, ATM+17, LSL+18, Wan15].
Position-based [PTV+17, Wan15].
Position-correcting [RMD12].
Position-free [GHZ18]. Position-normal [YHMR16]. Positioning [Bae82, ZB94].
positions [NRDR05]. possible [IMH05, ZCD+16]. c Post [HHX+18, PTMD07, BGKS17, ITM+14].
post-capture [BGKS17, ITM+14].
Post-Processing [HHX+18].
Post-production [PTMD07]. potential [CS00, OHR14]. Power [AGL+17, BLJT16, FF88, dGWH+15, MMT18, SR97, SR00, WYM+16, XLC+16].
PPPM [ZB14]. Practical [AWL13, EDR11, GHP+08, GRB+18, LWA+12, LYL+16, LJJ+18, LSVT15, MC92, NLGK18, RSL16, RZK11, SJ12, TG17a, TG17b, VAV+07, BB17, CAJ09, EKA84, FTP16, JSB+10, KySK10, MSOC+19, Sb4DJ13, SRNN05, TWAD09, XCM+14, YJR17, ZG02, ZRL+09]. Pragash [RNd+07], pre [HMAM09].
pre-tessellation [HMAM09], precise [NRDR05, TBC+16]. Precision [SF92, Wan18a]. precomputation [KKN+13, WJ19, YLX+15]. Precomputed [CZJ12, JBP06, KAMJ05, RSM+10a, SKS02, XIM18, ZHL+05, BAERD08, Leh07, RS14a, RS18, SL17, SKOA14, SHH03, SLS05, TS06, ZJ10]. Precomputing [JF03].
Preconditioner [CZY17b, CZY17a]. preconditions [KS11]. preconditioning [KFS13, Sze06]. predict [GSY+17, HLV+17c]. Predicting
[DMW15, WGY+18, BVM+17, BAC+06, KMM+17a]. Prediction
[SSH18a, WBF+17a, ATM+17, KKKD12, LPL+18, VRM+18, WBF+17b, WLP16]. predictions [MKRH11, MIGYM15].
Predictive [EHS+19, HYZ+18, SP09, KSHG18, ZJMB12]. Predictive-corrective [SP09]. Predictor [VMKK00]. Predictors
[KL17a, KL17b]. preference [SLF+11, ZLP+15]. prefiltering [GT96, WZYSR19]. prescriptive [MSOC+19]. Presence
[RO94, MIWB02, SSC10]. presentation [NAB+15]. Presentations [Cas91, Mac86].
presenting [FNV18]. preserving [LOR17]. Preserving [ABO16, NKJF09, SK16, WJ19, BHY15, BSBC12, CA09, CZT12, DBWF15, DHB17, ETK+07, FH07, FLS08, FKY+10, GOTG05, HK10a, KHT10, JDD03, KEE13, LHM09, LCO+11, LGJA09, LKWS16, MSW+09, MSCP+09, NSAC05, OL03, QPWH08, RPWO18, SLS+16, SSD09b, WWA+16, WZYT19, ZNT18]. presorted [CSN+12]. Pressure
[BGI+18, GBP+19, LBB17a, ZSZ+14]. pressure-viscosity [LBB17a]. preview [RKKK+07]. Primal [ORK12].
[GS85, LWC+11, SNC08]. Principal
[Wu92, GI04, SHHS03, TSM16, XSZB15]. print [UPSW16]. print-wind [UPSW16].
printable [KSS+15, LBRM12, MTN+15, SVB+12, YCL+15]. Printed
[AJS19, PRM14, ZLT+16, LSZ+14, MLYZ19, TDG18]. printer
[LDS02, WPGM16]. printers [ERP+19].
Printing
[BAU15, DTGP12, LR90, LR91, MSS+12, MAG+99, PLMR17, SCB88, UTB+19, WPGM16, BVF+17a, BATU18, CCA+12, CZL+15b, DWW+18, DHL14, ESZ+17, IC17G, SBR+15, SBK+18, SAR+15, SRB+19, WY+13, ZYY+15, ZLP+15]. Printone [UPSW16]. prints
[CLD+13, PH15a, THKM13]. prior
[BSP+19, CCWL18, CN+17, MYW15, WLW+19]. Priors [VR94, ISSI16, LCXS09, SKAG15, WSCR18, ZZZ+17, ZXC+18].
prism [BKGK17]. Proactive
[YSL+14, XHS+15]. Probabilistic
probability [DLC+15], probable [DTB06].
probe [BBO91, ORK12], probes [SL17].
probing [OHX+14], problem [DIO+12, HPB07, LW16, OP11, XW09, YWH13].

Problems
[FM84, Gol84, OF01, DML17, GITH14, MSW14, MLT17, PKHK15, SPKS16].

Procedural [BSW13, GDAB+17a, LLDD09, MDL16, MWH+06, SW14, TEZ+19, WOD09, BDK+16, BWS10, BHN07, CH02, CEW+08, CDM+02, EVC+15, GDAB+17b, GGG+13, GSV+14, GSLM+08, HSS08, KW11, LD05, LWW08, MZWV07, NSC08, NGDA+16, RMGH15, SP16, SM15, TLL+11, VGD+12, WYD+14, ZLB16b].

Processing [HHX+18, SGWJ18, XWC+16, dGMDM14, CPD07, CKPS17, CGZ08, CK11, GO11, HBD+14, HDD+16, HST+14, HDA17, HHN+02, KSH10, KH10, KG08, KWB+15, LGA+18, LHLK10, LTJ18, MASS15, MAS+16, MMTD07, OEE+18, PHK11, PKCH18, RKA+12, RH04, RVAL09, SR00, SDP+18, SLMR14, STP12, TBW03, TYY+19, WRDF13, WFL+15, WSS05, YW13, Zhu18a, dGDM16]. Processor [KS95], processors [CTH+14]. Product [SG17, BB15, NRH04, PBW19, SM06, SR09].

Production [FHL+18, GIF+18, Pha18, LF02, Lzt+19, PTMD07, TKTS11]. products [CJAMJ05], professional [LVS+16]. profiles [KWB+13]. Program [NN09, Spr82]. Programmable [GTDS10, LLW+08, LHVT17a, LHVT17b, SSBG10, HAM07, HGG+11, HMG03, KLPCP18, LB05, NJS+11, PTO15, PBMH02, VAZH+09, WVRKM13, WSS05].

Programming [BK16, GF82, HGM14, PPV95, Wi92, ZB94, BLPW14, HZG08, HKG11, KABL14, LGA+18, MGAK03, NWYM19, SAMWL11, SFB+09]. programs [AMA+19, HZG09, RMGH15]. Progressive [DKHS14, FCOAS03, GD02, HOJ08, HLC+19, JNT+11, KZ11, LDS03, LYNF18, SJZP19, SJ13, VMK00, YSQS08, HJ09, HJJ10, KD13a, LJIH13b, PK05].
progressively [ZZV+03]. progressively-variant [ZZV+03]. project [Ano10, ZIT+19]. Projected [And82, YZX+18].
Projection [DGH16, ZN06, ARNL05, DLL+18, GWGB10, HWR14, HSHF10, JBM+17, JTL+12, KYS+15, LZF10, LCOLTE07, MS05, MWI18, ME05, PMA+14, SCT+15, SSW+13, ZBG15a]. projection-based [MS05]. projections [AYL+12, BML+14, CAA09, KSJP08, MWBR13, MHR+16, SBSK11]. Projective [BML+14, Pat85, WGW+13, ZLW+16, BEH18, Wan15, Pat87]. Projectively [NY94]. projector [BBG+13].
projector-based [BBG+13]. projectors [RvBB+03, RBvB+04, SGM12].

Propagation [SM17a, AP08, ACMS12, CRS+16, CZZT12, Eri07, Fat09b, GJWW14, HRL15, Lin18, MRA+13, QHY+16, RSM+10a, RS14a, RS18, SMM14, SM17b, SYJ05, VWJ+13, XJL+09, YMR+13, ZRSM18]. properties [AHD15, FCJ07, NDD+16, ODJ04, SZG+13, WSM11, ZKBT17]. prosody [LTK09]. prosodically-driven [LTK09]. Protected [KTL+04]. prototype [AWG04]. prototypes [KLY+14, YPB16].
Provably [PL14, DML17, YLJ18]. proxies [CB17, JSMH12, TYY+19, ZCC+12].
proximal [HDN+16, HDN+16]. proximity [SGG+06]. Proxy [HXM+18, KGL16, SM11].
Pteromys [UKS14]. pupil
pupil-tracked

PuppetMaster [ZPBC19].

Puppetry [SLGS01, BJS+08, SZT+07].

purification [LSQ+15]. Purpose


[LSQ+15]. Q-MAT [LSW+15]. QEx [EBCK13]. Quad [ULP+15, BCE+13, CBK12, CK14b, EBC13, ESC16, FHB+10, LCBK19, PW18, SW05, SPG18, TP18, TP18, TM18]. quad-dominant [SPG18].

Quadratic [BC14, ERT14, LWS+15, KGL16]. Quadrature [GT96]. Quadratic [CGM91, FN09, GZ05, Mil87, TGB13].

Quadric-based [GZ05], Quadratic-Surface [FN09]. Quadrics [SJ94]. Quadrilateral

[pJS85, DM13, LXW+11, PZKW11].

quadrotor

[GS18, JRT+15, RH16, XYH+18].

quadruped [ZKS18]. quadraphased [CKJ+11].

quadtrtrees [LS00, Aga07, ABJN85, BFK+16, SW85].

Qualitative [HSS+13]. Quality [APS16, KKK+12, WSL+14, AAPS17, AMMS08, ACM10, BGW03, BGM12, BGG+20a, BHB+11, BBN+14, CHM+12, CBK12, CS00, CLS+15, CTW09, CLW+14, CJN+17, CCS+15, Cžš19, DDD+14, GBAM11, GT96, HRH+13, IWC+13, MHRK11, MHP+19, SHD+18, SJA08, SFWG04, WAC07, WHB+12, ZJ11, ZF03, ZKU+04].

Quality-driven [WSL+14]. quantifying [RPE+05]. Quantitative [CM83, TGZ18].

Quantization

[WS92, CCO10, HRV97, LCBK19, Xia97]. Quantized [CBK15, DI11]. quanzy [BSW02]. quartet [HSS+13]. Quatric [Joe90b, Pet89].

Quasi [LLK17a, LLK17b, TWL+05, ZBK18]. quasi-homogeneous [TWL+05]. Quasi-newton [LLK17b, LCBK19, ZBK18].

Quasiconformal [LK12]. Quaternion

[HF94, KC10]. Queries

[MPB17a, BZL+15, HJ11b, MPB17b]. quilting [ZHW+06].

Rack [TE82]. radar [LGK+16]. Radial

[WLH+13, KN06, TS06]. Radiance

[BDT99, JDZJ08, MJG18, HW12, JNS11, KMM+17a, KAMJ05, RWG+13, SL17, SKS02, SLSS03, SHHS03, SLS05, TS06, WKR99, LAM11]. Radiance-predicting [KMM+17a]. radiant [SSB03]. radiative

[ABW14, BRM+18, JAM+10, JAG18, ZRB14]. Radiosity

[ACP+01, NN95, RT90, DDP99]. RAID

[GMW16]. rain [GN06, LCT19]. Rainbow

[XIAP+17], rainbows [SML+12]. raising

[CLS85]. Random

[HZ19, NH08, PM95, AMA+19, CNX+08, GSV+14, KYW13, LSK+06, SD12].

Random-access

[SH80, KKYW13, LSK+06]. random-phase [GZ+14]. Randomized [GZ+08]. BSFG09].

Range [SB95, WS17a, ACP02, ACP03, AMMS08, BI08, BZ11, DDD16, FKH+14, FLW02, HSP+16, HFI+08, KSB+13, KR17, KUWS03, LSA05, MKR+13, MKMS04, MEMS06, MCHAM06, PMOR10, PZS11, RA106, SHS+04, TAHL07, Van06, WLN11, WS17b, BZL+17, LCT05].

Rank

[SW18, LHK10, MK16].
Rank-Constrained [SW18]. ranking [WLO+14]. Rapid
[KLCP18, RyE93, WWA+16, HFTF15, HFF16, JBO2, MGDB05, vdHDT+07].
Rapidly [Fol87, TMRL14, ZIT+19]. RApter [MMB15]. Raster
[Dun83, Lev84, Mcl92, VN85, WW82]. Rasterization [Hol90, AMS03, FRS19, LAKL11, LHIZ16, PR06]. Rasterizing
[Tau94]. rate [HGF14, HAD+16, KLH+19]. rates [TDMS16]. ratio [NSJ14]. Rational
[BHN98, Che92, EK98, HB89, KLNN91, SG17, War92, AB89, BCW17, CADS09, Gab99, Joe89, ZS00]. raw [LRS18]. Ray
[BK85, GHCC88, KGB+09, Kaj83, Lev90, LSCO03, NNK+14, PP94, PBH02, RLU95, SLM+17a, VKJ+17, WIK+06, WBS07, WGH84, vW84, BDT99, BAM14, DMB+14, DWH+11, EDR11, HJW+08, HQL+10, HZ11, IYY11, LA+05, LADL18, MBK+10, Mor11, MHC+16, NPP+11, NNDJ12, PFHA10, PBD+10, RAWV08, RSH05b, SLM+17b, SKC+14, WBB+14, WSS99, WSS05, YMR+13, ZRT+08, BK87]. ray-traced [EDR11, PFH10].
Ray-Trans [NNK+14, Mor11]. RayCore
[NNK+14]. Razor [DWH+11]. Re [JSSH15, Pav90, WP90, BHW16, DNZ+17a, GDC15, GPV+17, KD13b, MBP+18, NKA08]. re-creation [NKA08]. Re-Editing
[JSSH15]. re-integration [DNZ+17a]. re-meshing [GPW+17].
re-parameterization [GDC15]. re-rendering [MBP+18]. re-simulation
[BHW16, KDI3b]. reaction [RCLM19]. ready [ZB13]. Real
[ASA+09, ADM+08, BHO98, BJ05, BP05, BZ11, BAO06, CBZB15, CWW+16, CKH18, CP07, CM11, DNZ+17b, DLK18, DYN03, DFYL19, EMU15, FKY08, GXY+17a, GXY+17b, HXZ+19, HV04, HRE+08, HDHN16, JTL+12, JKT+15, KSZ+15, KIM+19, LH16, LES10, LTK09, LLX+01, LFTC13, LHLK10, LBK17a, LB06, MP08, MDB+19, MCK13, NMD+17, NZIS13, PZ08, PO08, POC05, RWS+06, RHLH02, SBH118, SCT+15, SL17, SSII18b, TDL+18, TZN+15, TSS+18, TSLP14, VRBC18, VTS18, WWD+05, WPP07, WP09b, WYM+16, WXYL17, WOG06, WZN+14, ZXTZ15, ZZI+17, ZHVG08, ZRL+08, ZNI+14, ALY08, BK04, CRLZ13, CHZ14, CCWL18, CH02, CBI13, CT05, CHP07, CNR08, DNZ+17a, DvGK99, DOL+18, DHO005, DFK+17, DKD+16, DDF+17, FYK10, GO12, GCB+17, GB08b, HFF18, HMO12, HSW+17, HKA+18, HES11, JBP11, JP02, KNS+09, KCODL06, KRF+18, KAMJ05, LCT11, LXC+15, LBK17b]. real
[LNW03, MCC14, MHH+17, MBP+18, MP04, MBB12, MSL+17, NSX+18, NOP+18, PRWH+18, PCK+08, RSM+10a, RTF+15, RJO7, SZT+08, SKS02, SRN05, TST+18, TPT+16, TLP06, TSH2, VBG+13, WAO+09, WJB15, WSJP17, XUC+14, ZBY19, dASTH10]. Real-Time
[BJ05, DNZ+17b, DLK18, GXY+17a, HXZ+19, KIM+19, LBK17a, TZN+15, TSLP14, VTS18, ZXTZ15, AAS+09, ADM+08, BP05, BZ11, BAO06, CBZB15, CWW+16, CKH18, CP07, CM11, DYN03, EMU15, FKY08, GXY+17b, HV04, HRE+08, HDHN16, JTL+12, JKT+15, LH16, LES10, LTK09, LLX+01, LFTC13, LHLK10, LB06, MP08, MDB+19, MCK13, NMD+17, NZIS13, PZ08, PO08, POC05, RWS+06, RHLH02, SCT+15, SL17, SSII18b, TDL+18, TZN+15, TSLP14, VRBC18, WWD+05, WPP07, WP09b, WYM+16, WXYL17, WOG06, WZN+14, ZZI+17, ZHVG08, ZRL+08, ZNI+14, ALY08, BK04, CRLZ13, CHZ14, CCWL18, CH02, CBI13, CT05, CHP07, CNR08, DNZ+17a, DvGK99, DOL+18, DHO005, DFK+17, DKD+16, DDF+17, FYK10, GO12, GCB+17, GB08b, HFF18, HMO12, HSW+17, HKA+18, HES11, JBP11, JP02, KNS+09, KCODL06, KRF+18, KAMJ05, LCT11, LXC+15, LBK17b]. rational
[NSJ14].
Real-time [TP16, TLP06, TS12, VBG+13, WAO+09, WJJK15, WSJP17, XC+14, ZBYX19, dASTH10].

Realistic [HM92, SSL14, SBBK11, WW08, cWP03, CGS02, CPWP08, DP03, HRZ+13, JWDL19, RPC+10, SHP04, SQHR+16, WC10, ZLB16b, CKX+08].

realistic-looking [RPC+10]. Reality [DFYL19, TZZ+18, ALK+17, AGB+16, BP12, CKX+08, Did8b, HK18b, JBM17, KJS+19, KDMW17, LSL+18, LJ+16, MGDB05, MLR+14, MK17, OEE+18, PSK+16, RRS19, SMG+05, SSRR+17, SWK16, SPW+18, Wan18b].

reallocation [LJM+16]. realization [HSF10]. really [WKA18]. Realtime [LYL13, WXX16, WBLP11, WCH15, WP13, SJP05, WAC07, WZC12, WSS05, ZZMC13].


reconnection [TP16]. reconstructable [MAB+15].

reconstruct [HKA+18, LXR+18]. reconstruct [MAB+15].

Reconstructing [GVW13, KIL+16, ILC13].

Reconstruction [CKH18, DNZ+17b, GZC+16, GXY+17a, HNH19, KIM+19, LSSW19, SG82, SHD+14, VMCS15, WBF+17a, YSHW16, ZXTZ15, AKZ+17, ACPO3, ASL+17, ASGCO10, BBN+12, BLN+13, BVG11, BBK+15, BNB13, CSM+17, CZ11, CBI13, CJN+17, DNZ+17a, DTM06, DXZ+19, ETH+09, EKD+17, FG14, GZW+16, GKT13, GD04, GXY+17b, HJW+08, HZW12, HWV+18, HLZ+09, HWW15, HZC17, KHS03, KJ+13, KFWM17, KHL19, KZP+13, KPZK17, CL12, LDK+18, LAC+11, LSR18, LKG+03, LSGP09, LLZM10, LWC12, LGZ+13, LCOLTE07, LCL+17, LS+18, LYO+10, McC00, MTM16, MDB+19, MHC+16, NSZ+10, NZS13, PZ17, PMA+14, RMD04, RKG11, SS14, STJ+17, SKY+12, SSZC10, SLS+07, SAL+08, SL17, SMGH18, SGG10, TSK+11, TBW+12, WBF+17b, WAO+09, WSL13, WSTS08, WBG+16, WZQ+18, XZZ+14, XHS+15, XZY+17, YHZ+14, ZBYX19, ZK13, ZK14, ZNI+14, ZJ+15].


Recovery [TSLP14, YPA+18, DRW+14, HWJ+15, LLK+15, SFC12, YSLH11].

Rectangles [Bae82]. Rectangular [HCS13]. rectification [GGY18, LSTV15]. recurrent [CKS+17]. Recursive [KCODL06, LPX+19, NMLH14, Sai89, SFCO12, ISD04, LXC+17, NMLH11, NM16, ZXC+18]. Recursively [BS88, BS90]. Redefinition [UTB+19].

Redirected [DFYL19]. redirection [LSL+18, SPW+18]. redistribution [CTE05]. RedMax [WWB+19]. Reduce [HC86]. Reduced [MAB+15, PM18, BlSP09, BE18, CZZ14, DSP06, JP04, LMH+15, SNB07, YLY+15, vTSSH13].

Reduced-order [MAB+15]. reducer [CLD+13]. reducer-tuner [CLD+13].

Reducing [And83, FBH+10, ABA02, RAW08, TBT08]. Reduction [XLCB15, FCGH08, KJ09, LHG+14, McC99, TLP06].

Redundancy [RV89]. Reeb [PSBM07, She13]. Reenactment [TZZ+18, TZN+15, TZZ+18]. reference [LWC+13]. Refined [Pet01]. Refinement [CK92, CYWF14, LVS18, LFY+19, SCF+04, TWAD09, WZ+14, ZDI+15].

refining [SHK+14]. Reflectance
[AAL16, CDP+14, CT82, CHB+12, DvGNK99, TG17b, BD109, DTPG12, DCP+14b, DwD+08, DH+13, FLS07, FRSL08, GH+08, GZL14, Gup18, HP03, HLZ10, HP17, HHA+10, KCW+18, LXR+18, MSS+12, MPBM03, MAG+09, MHP+19, NZV+11, NLW+16, NJR15, PTMD07, TG17a, TFG+13, VLD07, WZT+08b, WRG+09, WGT+05, WMP+06, WPMR09, XDPD16, XNY+16, YSN+18, YTJR15, YJR17, ZJ18]. Reflecting [RT90, BHW16]. reflection

[HP17, IM12, RH04, ROTS09, ZNT18]. reflectional [XZT+09]. Reflections

[SKV+12, OF12, SMM14, SKG+12]. Reflective [TB87, PSS+06]. reflectometry

[GTH03, GCP+10, RWS+11, RRFG17]. reflectors

[SDIN18]. reflex [POB09]. refocusing

[MNB07, VRA+07]. refraction

[Wym05]. Refractive

[ABW14, TB87, IZT+07, PMOR10, PHN+12, SZS+08, WZH09, YTBK11]. refurnishing

[ZCC16]. Region

[SB95, KEE13, LSCO03, TDM11, WW13, YKC+16]. region-based [TDM11].

Regional [STZ+16, Kim10, LSS+17]. Regions

[LMR83, SF07]. registration

[AMCO08, CZ11, HGCO+12, HYC+13, MDK+16, YNW16]. Regression

[KIM+19, MCY14, SWWW15, BPC16, CWLZ13, CHZ14, LJS+15, RWG+13, VKK18, WPP14, WPP07, WLT16].

Regular

[HGM14, SYSP14, VMW17, ANHD17, LLH04, LPS+13, LH04, MMBM15, vW09]. regularities

[THW+14]. regularity

[PMW+08]. regularization [XCS+14].

Regularized [DJ17, IBB15]. regulated

[WPL18], rehabilitation [KDI19].

reinforcement [CYT+18, LP10, LH18, MTP+18, PBvdP15, PBvdP16, PBVY17, PALSvP18, PKK+18, XDF+19].

Reintegration [DNZ+17b]. Relating

[THW+14]. relation

[FCW+17, GMW16, WLW+19]. relation-augmented [GMW16].

Relational [Mae86, DNB+05]. Relations

[KK91, vOOV96, LWC+11, ZRRB14].

Relationship [ZH+16, DJWW14, HKT10]. relationships [FSH11]. relative

[XYXJ12]. relativistic [CLC96]. relativity

[WKR99]. relaxation

[DML17, KOPP11, MDK+16, SJ13]. Reliable

[MPB17a, BCE+13, MPB17b, Wam16]. Relief

[ZTS09, PRZ17, POC05, SVB+12, SKC+14, WDB+07]. Reliefs [AM10].

Relighting

[DRC+15, KE18, MPDW03, WS17a, ED04, HPB06, NRH04, NN04, PTMD07, PVT+05, PGZ+19, RDL+15, SZC+07, SZS+08, SBT+19, WTL05, WTL06b, WGT+05, WS17b, XSHR18, ZCC16]. Relying

[CH14]. remapping [GO17]. Remarks

[Las90]. remeshing [AMD02, ACS+03, ESCK16, KS04b, NSO12, PH03, WRK+10]. remote

[KTL+04]. Removal

[S092, GOTG05, McK87]. Remove

[GTB15]. Removing

[ARNL05, FSH+06, GRBN09, WHDS04]. Render

[MBB12], renders [LSS+19].

Renderer [ZHR+09]. Rendered

[OKH+16]. Renderer [BAC+18].

renderers [PGML+19, Sun06]. Rendering

[BYG96, CFS+18, FH93, GFMS05, Gap18, JCW09b, JMY+07, KHFH11, LSCS14, LC96, Mal93, MCY14, Pha18, Rap91, SM17a, Sun06, TG17b, Ts15a, TB87, VADWG15, YHJ+14, YMRD15, YHW+18, YPG01, ALLD17, ATM+17, BWG03, BBP10, BAGL19, BGAM12, BJKK15, Bel18, BOD+13, BFK+16, BST09, BF08, CBCG02, CGS02, CLS+17, DI11, gDGPR02, DMB+14, DAM+18, Di18, DYN03, DIO+12, DOOO05, DWR+08, DPF03, DJ18b, ETH+09, EC96, EMF02, FFB+09, GLD+19, GN06, GZB+13, GM05, GGH03, GTDS10, GBAM11, GTR+06, GCH+19, GS04, HR05,
MV04, HKWB09, HRDB16, HPP+18, HMC11, HSW+17, HESL11, HNN+02, HWJ+15, HWH+16, IZT+07, JAM+10, JM12, JdJM14, JMM+14, JMK13, KE18, KL19, KHN+17, KB12, KTL+04, KLS+13, KCYW13, KHLN17, LS02, LES09, LAC+11, LHZ16, LSS18, LB05, LB06, LH04, LKYU12.

rendering [MBPY+18, MYRD14, MPH+15, MIGYM15, MMMG16, MPG+16, NH08, NLMID12, NNKD12, OL03, OK17, ODR09, OE18, PS08, PSK+16, PVG19, PMHD19, RH02, RFT+04, RGB16, RMD04, RZL+10, REG+09, RKZ12, RJK16, SBdDJ13, SM17, SD12, SHL+17, SSY+04, SKK+12, SSK02, SFWG04, SNRN05, SM06, SR09, TAV+10, TZN19, TG17, TWL+05, TS12, TGD04, TAK+19, VRC+13, VT04, WWD+05, WZT+08a, WRG+09, WHY+13, WYM16, WS99, WW08, WJ17, WYF+10, WZY19, XMR+11, XCM+14, YTR15, YHMR16, YSJR17, YIC+10, ZZXZ09, ZHRB13, ZWDR16, ZLB16b, ZRL+08, ZHR+09]

rendering-aware [DADB+18], renderings [BVMM+17, FJL16].

RenderMan [CFS+18], reordering [MBK10, SNB07], repair [Ju04], repeated [CZM+10, CLQW08, WWOH08, ZHRB13]

repetition [KMYG12], repetitions [XCW14], RepFinder [CZM+10].

Rephotography [WBF+17a, BAD10, WBF+17b].

Replacement [RKS+14, DJS+11, JMD+17, TSL+16, ZYQ+14], replacing [BK+08].

repositories [YGH+17], represent [PMHD19]. Representation

BN90, DK99, GLL+16, SLM+17a, ABA02, ABJN85, BAS14, BAER08. Boi84, CBG02, DF88, FK10, GLL11, HNB+06, HZV+13, KV05, KHD14, KCYW13, LRR04, LBAD+06, LKK+16, LZT+08, MASS15, MW18, OBW+08, OBGS+12, PKG06, PvBM+06, RS98, RAKRF08, SPSH18, SLM+17b, STPP09, STZ14, WSLT18, Win14, ZKU+04].

Representations

[DS92, WLY+16, MPG10], represented [VA88]. Representing [BDK+16]. reproducible [LSG18]. Reproducing [HCE03, DTPG12, LDF14]. Reproduction [SFB92, DTO+02, ESZ+17, HFM+10, LLY+16, RSRF02, RPK+12, SKB+18]. reprojection [SaLY+08, YTS+11]. reprojection-based [SaLY+08].

Requirements [SFB92]. reradiation [HHAY+10]. resampling [HWG+13]. rescreening [KP18]. reshaping [JTLST10, ZFL+10].

Residential [FW+16, LGZ+13, MSK10]. Residual [NSJ14]. resilient [AAP05]. Resizing [WWF+10, AS07, DZP09, KSSC08]. WTS08, WFS+09, WHSL11. Resolution

[BF12, FJA+14, LS07, LB05, AGL17, AYL+12, AFC+10, BHP10, DER+10, ESCK16, GLD+19, GGY18, HS+12, HW15, HG09, KSA13, KZP+13, LGX+13, LFJG17, Mus13, NB11, SGM12, SDP+18, SXT+12, TRE016, VBCG10, VSK+17, WOR10, WGD+19, XFC18, YH+14, ZSC104, ZHRB13, ZSTB10]. Resolution-matched [LS07]. resolved [AIH+08]. Resolving [VMT06, ZLB16a]. resonance [UPSW16, WMB19]. Response

[VJ19, JP02, PNH14, TDM+14, ZMC105]. Responsive [MP07, CK02, YL08].

restitution [WSJ17]. restoration

[ALY08, BPK05]. Restoring [ZBG15a]. restricted [CM11, LEX+12]. Resultant [SG17]. Resultants [CGM91]. retargeting

[AWL+19, ATDP12, HRE+08, HKX+19, KLHG09, LCOZ+11, PMHPB17, RSA08, RSA09, RGSS10, SBT+15, SSK+11, TK05, WLSL10, ZAC+17, BZL+17]. Retiling

[AFS03]. retina [JBM+17]. Retinal

[JBM+17]. Retrieval

[SK16, SSB+17a, SSB+17b, BBGO11, ERB+12, MRC05, XCF+13]. retrieve [SBH16]. Returning [BSM88]. Reusable
Salient [GCO06]. Sample [GLA+19, DH06, WLM+15]. Sample-based [GLA+19]. Sampled [HWZ+14, YSHWSH16, APKG07, AA06, BGAM12, HRV+18, MWR12, PKKG03]. sampler [ANHD17]. Samples [NLNB16, BJ17, XSRH18]. Sampling [Coo86, HSS98, KWB+16]. sampling-and-recovery [HWJ+15]. Sampling-based [LYvdP+10]. sand [KGP+16, TGK+17, ZB05]. sans [DBWG15]. Sassafras [Hil86]. sauces [NSS+19]. scaffoldings [DHL14]. scaffolds [SKSK09]. Scalable [CB13, CZY17b, CSK18, GGN18, HRDB16, LPLL19, PTC+10, RPPSH15a, RPPSH17b, WHSL11, AFTCO07, BDT+08, CZY17a, DML17, FZBR16, LMAS16, MP04, MGT+03, REG+09, WFA+05, YKC+16]. scalar [PSF09]. Scale [LZCX19, LYC18, ZSCM17b, Ang17, ASL+17, BPD06, BL15, BBA+07, CQD+18, DFMZ+17, EDF+16, FFLS08, FMB+17, FGG18, FYY+16, FAW19, FG14, GB13, GLDZ15, GNS+12, HP17, HHM19, IDN12, JP03, KFWM17, KSS11, KPK17, KABL15, LDP13, LWL17, LSA+16, MHS+19b, MPH+15, MGP10, NZIS13, PRFS18, PCH18, RNGF03, RGB16, SLW11, SLSS03, SG11, SJLP11, SJMP10, SSDL13, WTS10]. Scale-aware [BD07]. Scaling [KN06, YTS+11, ZN06, ZHG+16, ZK13, vdHDT+07]. Scenery-aware [LK+11]. scene-level [BHY15]. scene-space [KV+15]. SceneGrok [SCH+14]. Scenes [DRC+15, JGC+15, LPX+19, SM17a, VLA15, ZWK14, AAC+06, AZB09, ADM+08, BS07, BF08, CLW+14, CXY+15, CAC+02, DKD+16, FSH11b, FCW+17, GTS10, HKW09, JM12, JF03, KRT17, KNS+09, LRT+14, LGTA17, LGZ+13, MP+18, MP04, MRA+13, MMBM15, NNDJ12, PFHA10, RSM+10a, RWS+06, SM17a, SKY+12, SXZ+12, SKG+12, SZZ20, TPW10a, WIK+06, WBS07, WLD+19, WDB+07, WGL+18, XZY+17, YMR+13, ZSW+10, ZHL+05]. Scale-aware [LYC18]. scales [FG14, XLZ+10]. scaling [DZPZ09]. Scan [RWW90, ACP02, ZSW+10]. Scan-Conversion [RWW90]. scanned [XGZ07]. Scanner [PCF18, HLZ10, WAO+09]. scanning [CDP+14, FZBR16, HWV+18, HCTW11, HDGN17, HFI+08, YSL+14]. Scans [FJA+14, APC03, BR07, CN11, LLB+17b, YNW16]. SCAPE [ASK+05]. Scattering-aware [ESZ+17]. Scenarios [TFD+18]. Scene [HE07, KSH+14, KZP+13, LLL18, RO5, RO87, ZXTZ15, BHY15, CZM+10, DXZ+19, FSL+15, KWB+15, KPZK17, KN06, LCX+14, LXS+18, MLM+16, MPF+18, MGC+19, NXS12, NGK06, RSI+08, SMZ+14, STZ+16, SMGH18, WSCR18, XMZ+14, XHS+15, YTS+11, ZN06, ZHG+16, ZK13, vdHDT+07].
Schedule [LH17a, LH17b]. schedules [RKAP+12]. scheduling [BDK+16, MAS+16, SKK+12, SKB+14].
Schelling [CSPF12]. Schematic [GCSS06]. Scheme [DLC90, LCD+19, DM13, PR97b, VB06, ZM11]. schemes [CADS09, LYYL08, WWT+06].
Schrödinger [CKP+16]. Schur [CZY17a, CZY17b, LMAS16, PAK+19].
screens [ALK+17]. scribble [XFAT12]. scribble-based [XFAT12]. Scroll [Ols92].
Sculpting [RAD12, Ros94, TQ94, CSTP16, DJ17, JX96, PXW18]. Seam [AS07, DZPZ09, LFJG17, RSA08, STP12].
seam-aware [LFJG17]. Seamless [APL15, SMHW16, KDM+16, LFH15, LSC+12, MGA+17, PMPHB17, LFJG17].
seamlessness [MS05]. seams [WSH19].
search [AMA+19, FH10, FMK+03, KSSI17, NX5+12, SH07, TSY09]. search-classify [NXS12]. searches [EPM+14]. Searchlight [WKR09]. Second [EC93, MMJG18].
Second-Order [EC93, MMJG18].
secondary [DJ18a, KKN+13]. SecondSkin [DS15]. section [SBS12]. Sections [PK83, BVG11, HZCJ17, MSM11, NCVM06, ZHCJ15]. sediment [GPH+18].
see [ALK+17]. see-through [ALK17].
Seeing [EMO10]. segment [SZG+13].
Segmentation [AAP17b, ST16, VKF+14, YSHWS16, AASP17a, AOP+18, ACA+19, CGF09, DAB15, HKG11, HFL14, JKSH13, KHS10, SSR+17, SvKK+11, WGW+13, YGH+17]. segments [Gal99]. Seidel [FTP16].
Selected [KP92]. selecting [TMRL14].
selection [ACCO05, FAC11, JKT+15, LSS09, OLH14, XFAT12]. Selective [RHJD18, MLH+09, XCS+14]. Selectively [BAAR12].
Self [BD02b, CLQW08, MHS+19a, PHL+09, SHK+14, BJ10b, DPW+14, FF11, LVG+13, LDPT17, LB18, LPS+13, MIB15, MASS15, PSK+12, RVB+03, RBvB+04, SPO10, SRL+15, TOK14, VHWP12, WPL18, WLH+13, YY17, ZJ12]. self-adapting [PSK+12]. Self-animating [CLQW08].
self-augmented [LDPT17]. self-collision [BJ10b, MBB15, SPO10, WLH+13, ZJ12].
self-configuring [RVBB+03]. self-contact [TOK14]. self-describing [RBvB+04].
self-regulated [WPL18]. Self-similarity [BD02b]. Self-Supporting [MHS+19a, DPW+14, LPS+13, MIB15, VHWP12].
Semantic [AOP+18, BVG09, BSP+19, CZG+11, HLC+19, HWK+18, LGZ+13, YCHK15, CLW+14, HXM+13, LMS13, MC12, SXZ+12, TD16, TSL+16, WXLY17].
semantic-aware [TSL+16].
semantic-based [TD16]. SemanticPaint [VVC+15].
Semi [YXZ+18, BGOS06, DBD16, GBAM11, HDS+18, HSG13, Wan15]. semi-analytical [GBAM11]. semi-implicit [DBD16].
semi-iterative [Wan15]. semi-Lagrangian [BGOS06]. semi-structured [HDS+18].
Semi-Supervised [YXZ+18, HSG13].
semidefinite [KABL14]. Sensation [OL03].
Sensing [MUH19, PRM14, GWP+19, HLHR09, LTO+15, LGK+16, MYWI15, PML+09, RP09, WYL+14].
Sensitive [SO92, UKIG11, JP04, JBP06, NBB04].
Sensitivity [XUC+14, YPG01, RP03].
Sensitivity-optimized [XUC+14]. Sensor [GPHSH19, JCRA11, LOW18].
sensorimotor [NZC+18]. Sensors [JGN16, KZSR16, CHWH17, JKZS10, ZSZ+14].
Separating [CCW93]. Separation
SvKK+11, TD16, THW+14, UIM12, WAvK+12, WSLT18, WSH+18, XZT+09, YSC+16, ZAC+17. Shaping [CLC96, GM1B7, MP1+18]. shared [BAM13, KKB+11, WCPM18]. sharing [SGM12, SsPT15, SMH1W6]. sharp [ASGCO10, FCO05]. Shear [YSB+15, NSS+19]. Shear-dependent [YSB+15]. Sheared [YMRD15, ETH+09, EH1DR11]. SHED [KvKSHCO15]. shedding [WP10]. sheet [SMCT18]. sheets [BUAG12, DBWG15, NPO13, PTG12, PNDO14]. shelf [MH+17]. Shell [CTW+04, PBFO15, CSvR18, CQD+18, LCBD+18, NAI+18]. shells [BMWG07, CAJ09, CLF+18, GSLF05, GHF+18, KMB+09, MPB1C16, MPI+18, MKB+10, RK13, RMSG+08, PKL1+19]. SHIELD [LRAT08]. shiftable [SMH+11]. Shining [KHH1R11]. shock [Erl07]. shooting [HHC+19]. shot [AWL15, BGK16, BKGK17, BBB+10a, XNY+18]. shots [JRT+15, LWCT14]. shoulder [HOKP16]. Shutter [JGN16, RAT06]. side [XZ+F09]. Sifting [BBPA15]. SIGGRAPH [Spe03]. sight [HOZ+19, LWO11]. sign [TTWM14]. signal [RH04, RTD+10, WYY+14]. signal-processing [RH04]. signals [CH05, PMHD19]. signatures [ACOH+18]. signed [ZD1+15]. silhouette [RSH+05a, SCH03]. Silhouettes [JHR+15, KDFM03, RD19, VBMP08, WL16]. silicone [AMG+18, ZKB17]. Silly [FLGJ19]. silviculture [MHS+19]. SIMBICON [YLvdP07]. similar [BDG15]. Similarity [CZ17, LLN+14, BB15, DDB02b, DAB15, GCO06, GAGH14, GvdBL+12, KsKSHCO15, LMS+19, LK15, SMGE11, ZRB14]. Simit [KKR1+16]. Simple [BR94, FM84, LR90, LR91, LKF12, MD94, SO92, TPF+11, TMF5, CFP510, GAI99, GKS02, HRH+13, LP02, SSJ+11, TSG+14, VMF09, YLvdP07, YZ04]. simplest [PR97b]. simplex [FL16]. simplexes [DeR88]. Simplicial [JSP17, PBCF93, CSZ+16, ET1+07, FLSG14, GD02, MZD05, MB12, ZQC+14, dGA0D13]. Simplicity [EM90, FLB16, PSBM07]. simplification [ABA02, CHP07, DSSC08, DSG13, GPW+17, GZ05, LT00, LWH15, LXFH15, OLP03, PeL05, SCF+04, SAMW11, WYY+14, YHL18, ZG02]. simplify [SSIS16]. Simplifying [WM03]. simulated [CKJ+11, DH96, HRL15, HML11, MPP11, SH08, YCvdP08]. Simulating [BWRB05, CSW013, JGC+15, KJ08, LDHM16, LGF04, MM06, SSC10, SKL07, TOK14, WM14, ZGB15, FLGJ19, FMB+17, FBG18, GTJS17, SSB03, YLNP12]. Simulation [BSL+16, BK16, CZY17b, DKHS14, EM09, GDA+17a, HWZ+14, HH16, KLL+07, KKKR+16, LYW13, LBK17a, AMS12, RLY+14, SLST14, SKD18, S00, XIM18, AR15, BGOS06, BGFA07, BHW16, BML+14, BR12, BBB10b, BWD13, CMT+16, CXW+05, C1W15, CSvR18, CAR+09, CM11, CYY17a, CLM014, CQF+18, CCG+17, DB1D16, DLF12, DLL+18, FLPP13, GDA+17b, GKD15, GNS+12, GHF+07, GITH14, GKS02, GHZ18, HMS05, HPJ12, HCT+14, HW15, HW16, HG09, HMM19, IGLF06, JPP02, JP03, JW+14, KHD14, KNSG17, Kaul18, KGBS11, KTJG08, KJ90, KsSK10, KP11b, KD13b, KG1H14, KP03, LST09, LPL19, LLJ+11, LDN+18, LBOK13, LH1+15, LBK17, LCT19, MKB+10, MSW+09, MBF04, MYH+10, MC11, NGCL09, NSO12, NB11, NO13, OPOD10, OKRC10, PB1H5, PDZ+18, PTC+10, QSH+15, RSM+10a, RNG03, RKL13, SSB+15, SML+12, SHD+18, SLF08, SAB514, SWL11]. simulation [SMD+15, SOHK16, SG11, SSM+13, SKP08, SJLP11, TGG+17, TJM15, TWL+18, TBV12, TJO8, UHT17, UPMW16, VMTF09, VKS+14, V16, WY16, WMB19, WPS18, WRK+10, WLP16, WMW15, YJL+16, YLX+15.
Simultaneous

[BJTK18, NLW+16, HVTG08, ISSI16, PTH+17, SKV+12, TFK+03, VSK+17].

Single

[CWW+12, DAD+18, Fat08, GHC17, GXY+17a, HMLL15, HWK15, LOW18, NZV+11, SYSP14, SBT+19, TFX+08, WZHB09, WS17a, YPA+18, BKG16, BKGK17, BS13, BCRK+10, BBB+10a, CLS+15, CSW+16, CZS+13, DMIF15, DTPG11, EKD+17, FSH+06, GSY+17, GSZ+18, GXY+17b, GSYM08, HSW+17, HLV+17c, JTC09, KSES14, KYC+17, LAGP09, LDPT17, LXR+18, MSS+17, MDB+19, PSB+08, SJAA08, STXJ15, SPDF13, SRNN05, SZLG10, WG+18, WTL05, WSX16, WSZ+18, WZC12, WST08, WS17b].

single-camera

[WGJ+18]. Single-image [DAD+18].

single-photo [GSZ+18]. Single-photon [LOW18].

single-shot

[BKG16, BKGK17, BBB+10a]. Single-View

[YPA+18, CWW+12, HMLL15, HWK15, LAGP09]. singular [KABL14].

singularities [SSC18]. Singularity

[LZC+18, LLX+12].

Singularity-constrained [LZC+18].

singularity-restricted [LLX+12]. sites

[KGFF14]. six [KKB+11]. six-user

KKB+11]. Size

[HLJ+14, HCBO10]. Sizing

[Bae82]. Skaterbots [GPD+18]. Skeletal

[H RTC15, JS11, LD14, LH16, LYO+10, WLH+13]. Skeletal-Surface [HTCH15].

Skeleton

[ATC+08, ULP+15, BAS14, CGC+02, HWCO+13, KP11b, LYWG13, TZO09]. skeleton-driven

[CGC+02, KP11b, LYWG13]. skeleton-mesh [BAS14]. Sketch

[ATW+17, CNX+08, ERB+12, ST14, ST16, TPSHS13, ZIH+11, CBL+16, DS15, EHA12, LPL+18, LWH15, NSACO05, PHS+18, SSIS16, SSII18b, XCF+13, ZLW+18]. Sketch-based

[ATW+17, CNX+08, ERB+12, TPSHS13, ZIH+11, CBL+16, DS15, LPL+18, NSACO05, PHS+18, XCF+13]. Sketch2Photo [CCT+09]. Sketch2Scene [XCF+13]. Sketches

[BB15, HFL14, KH06, L04, LRS18, SBSS12, SLZ+13, TD16, XCS+14]. SketchiMo [CBL+16]. Sketching

[BSM88, CKX+08, JHR+15, KG15, SSII18a, BSM+13, GRGC15, HGY17, JZH07, LPL+17, NGDA+16, PKM+11, SLE14, TBvdP04, WTBS07b]. sketchy

[SBHH16]. Skills

[H14, CBYvdP08, CJK+11, LH18, PBvdP15, PBvdP16, PBV17, PALvdP18, PKM+18, YCBvdP08]. Skin

[CBKM15, NFA+15, BBN+12, DWd+08, LSNP13, LBT+19, PH06, PH08, SMP03, TO8+03, VBG+13, WWY+13, WMP+06]. skin-frame

[WWY+13]. skinned

[BBP12, FKY+10, LMR+15]. Skinning

[BL18, JT05, LJG14, JBK+12]. Sky

[THL+16, HW12]. skydome

[HW12]. skydome [KKN+14]. SkyFinder

[TYS09]. Slang

[HHF18]. slice

[CWTW17, Ng05, OP11]. sliced

[BC19]. Slices

[SSS11]. Slicing

[AHL17a, AHL17b, ER+19]. slide

[KFSC10]. sliding [BKSF11]. slightly

[ERP+19]. Slippage

[ZYQ+14]. Small

[DFM88, VPR19]. Small

[RO94, XFAT12, ZCC+12]. SmartBoxes

[NS+10]. smartphone

[VKB+18]. SMASH

[MTM16]. Smith [HHdD16].
Smoke [PM17b, RNGF03, Thu17a, WPS14, CKP+16, CT17, FL04, GSLF05, LGF04, PM17a, SRF05, SABS14, SY05, Thu17b, TMPS03, WP10, YCZ11, ZRL+08]. Smooth [DFZ+17, DFLY19, LD12, LM91, PR97a, Pet01, RHW94, RLU95, BHK14, HTWB11, KLS03, KP03, MEM+19, Ma89, OBW+08, WP06, WWT+06, ZWL+18]. smooth-shaded [OBW+08]. Smoothed [ERT14, KS10, TJM15]. Smoothing [Pet95, SD92, SGWJ18, BHY15, FYW+18, JDD03, KEE13, PR97b, XLXJ11]. Smoothness [LWL+09, PKD+19, YZ04]. SmoothSketch [KH06]. SMPL [LMR+15]. snakes [LLZM10]. Snap [GSKJ03, ASF+13]. Snap-together [GSKJ03]. SnapCut [BWSS09]. Snapshots [CHWH17, HLV+17c, JBY+19]. Snap [KF93, SCH+16]. snow [SSC+13]. soap [DBWG15]. soccer [HHC+19]. social [APS+14]. Soft [AASP17b, GPHSH19, GTH15, LAA+05, PZ17, TTL12, WAC07, AASP17a, AOP+18, AAM03, BBO+09, FTP16, GWP+19, JLI1a, KPMP+17, LYWG13, MZL+17, MWR12, MA07, PRWH+18, RWS+06, WWY+15]. Softshell [SKK+12]. Software [Fol86a, Fol86b, Fol86c, Ma92, WW82, KKS8]. SOHO [LF08]. solar [KKN+14]. Soli [LGK+16]. Solid [BN90, CCK92, KFCO+07, MC11, NY94, Rocz89, ANZS18, ABA02, BBB07, CH02, CS09, CWS013, CDM+02, DF88, HLW+12, JDR04, KRD+12, LD11, LLJ+11, LDHM16, NGL10, RS98, SS10a, TOL08, TLK16, WZYG10, ZGZJ16]. solid-liquid [BBB07, HLW+12, TLK16]. Solid-liquid [CWS013]. Solids [KS95, AD03, FGLJ19, FGPB11, Lee05, LB18, MKB+10, PKA+05, RMSG+08, YJL+16, ZSTB10]. Solution [SAZK06, BRB+19, YWH13]. Solutions [GM84, OF01, DJ17, DJ18a, HDA17, SHW19]. Solver [PM17b, XIM18, ATW15, BDCDA11, BBG12, DBDB11, JCW09a, LBB17a, LDN+18, LMAS16, PM17a, SBZ09, ZNT18, dGWH+15]. Solvers [GPB+19, BGF03, ZBG15a]. Solving [FH97, PKHK15, Hol18, JASR99]. Some [CJ97, GM84]. Sony [KCSG18]. sort [CTM13]. sort-based [CTM13]. Sound [LFZ15, SM17a, ACSM12, CRS+16, CAJ09, CJ11, CZZJ12, CLG+16, CQD+18, DRW+14, DYN03, DLT+15, JBP06, LAJ14, LJ14, LCT19, MRA+13, MYH+10, RSM+10a, RS14a, RS18, RYL13, SM14, SM17b, SM17, WQLJ18, WOD09, YI17, YMR+13, ZCT16, ZRSM18, ZJ10, ZJ11]. soundbanks [ZJ10]. Sounding [MYH+10]. sounds [AJM12, BLT+15, BDT+08]. soup [SOS04]. soups [BDS+18]. Source [SM17a, GTHD03, GHG03, MRA+13, SM17b]. Sources [NON85, OF01, CDP+18, JBP06, MLR+14, RSM+10a]. Space [BYG96, BYRN17a, EG98, GRGC15, HC86, LKPK11, LDH+14, Pet89, SAL+08, Shn92, TLG17a, WXL+18, ZIT+18, AB89, ACP03, AP08, ATDP11, BS02, BYRN17b, BDKO16, BCWG09, BBB+14, CBD13, CL16, CGZ08, CS919, DCD15, HPJ12, HMT+12, JL11b, JTL+12, JTSW17, KHD14, KSHG18, KMP07, KWB+15, LAKL11, LH06a, LSCO03, LC15, LKG+03b, MVH+17, MMG06, MHC+16, RSH18b, RHO2, RJN16, SNM+13, SZX+17, SGM+16, SvKK+11, SMD+15, SAZK06, SZLG10, TEG18, TMDK15, WCPM18, WAKB09, Wym05, XB16, YYPM11, YYY12b, TLG17b]. Space-Filling [Shu92]. Space-time [GRGC15, LKPK11, LDH+14, SAL+08, ZIT+18]. space-warp [LK+03b]. spaced [Gos00]. Spaces [KP92, DCP14a, HR97, Lip12, OKH+17, SHP04, TGY+09, VABW09, ZC16, dASTH10]. Spacetime [PM17b, SLS+12, ZCS04, HS+TP12, PM17a, SvTSH14, XWW+14]. Spark [FI11]. Sparse [ASGC010, BGF03, FGPB11, HSB+12, NVW+13, NSF12, WLY+16, ZCD+16, AGL+17, ALS+18,
BBN\(^{+12}\), HLSO\(^{12}\), HDA\(^{17}\), HKA\(^{+18}\), KWB\(^{+13}\), KSA\(^{13}\), LLDD09, LD13, LMB14, Mus13, ODAO15, RTK\(^{+15}\), SvTSH14, SABS14, SNF05, SL17, TZZK\(^{+11}\), TKT12, TS12, XYJ13, XSHR18, XBS\(^{+19}\), dAST\(^{+08}\).

Sparse-as-possible [ZCD\(^{+16}\)]. Sparsely [HWZ\(^{+14}\), LHZ\(^{+18}\)]. Sparsity [SHD\(^{+14}\)].

Spatial
[BSB16, GRS\(^{+17a}\), HKT10, LLWD14, BSB17, DH06, GB08a, GRS\(^{+17b}\), LBJK09, LH06b, LKG\(^{+03a}\), LGX\(^{+13}\), WLW\(^{+19}\), YI17].

Spatial-spectral [LLWD14]. spatially [BJ10a, BATU18, DTPG12, DCP\(^{+14b}\), GWN\(^{+03}\), GCH\(^{+19}\), HMP\(^{+08}\), JAG18, LXR\(^{+18}\), MAG\(^{+09}\), TDG18, TFK\(^{+03}\), WRG\(^{+09}\), XDPT16].

spatially-aware [TFK\(^{+03}\)].

Spatially-correlated [GCH\(^{+19}\), JAG18].

Spatially-varying [DWP\(^{+10}\), DTPG12, LXR\(^{+18}\), MAG\(^{+09}\), WRG\(^{+09}\), XDPT16].

Spatial [ZM13, BBK\(^{+15}\), GBAM11, KZP\(^{+13}\), VBK05]. spatio-angular [KZP\(^{+13}\)]. Spatio-temporal [ZM13, BBK\(^{+15}\), GBAM11, VBK05].

Spect2Fab [CLD\(^{+13}\)].

Spectroscopy [KRD\(^{+12}\)]. spectrum [BWWM10, Fre16, ZHWW12]. Specular [CA00, IM12, JM12, KYLY08, SJR18, XH18, YHJ\(^{+14}\), YHMR16, YHW\(^{+18}\)]. Specularly [RT90]. Speculative [AVGT12]. speech [CTFP05, CB05, EML, EGPG02, OLSL16, TKY\(^{+17}\), ZXL\(^{+18}\)]. speech-driven [CTFP05]. Speed [GHCC88, KRF\(^{+18}\), PSBM07, TAH\(^{+04}\)].

SPGrid [SABS14]. SPH [AIA\(^{+12}\), AAT13, BGI\(^{+18}\), GPB\(^{+19}\), HWZ\(^{+14}\), JZW\(^{+15}\), PICT15, RLY\(^{+14}\), SB12, SP09, WHK17, YJL\(^{+16}\)]. SPH-Based [HWZ\(^{+14}\), JZW\(^{+15}\)]. Sphere [HH16, TGBE16, TPT16, BO04, LF08, VPR19, TGB13]. Sphere-Meshes [TGBE16, TPT16, TGB13]. sphere-tree [BO04]. spheres [Hub95, SHW09].

Spherical [AKL17, BXR\(^{+18}\), BF01, CCG93, KISS15, PH03, SBN15, DHB17, GCP\(^{+10}\), GFT\(^{+11}\), GGS03, HKWB09, KSH10, KH10, KWN\(^{+17}\), LKK\(^{+16}\), MWM08, RWS\(^{+06}\), SHL\(^{+17}\), TAV\(^{+10}\), TGB13, TS06, TFG\(^{+13}\), WR18, XSD\(^{+13}\)].

Spin [BWBSH14, CPS11]. Spin-it [BWBSH14]. spinnable [BWBSH14]. SpinVR [KDMW17]. spiral [ZZX\(^{+18}\)].

spiral [ZGH\(^{+16}\)]. splashing [GB13]. splatting [GLA\(^{+19}\), LSR18, WFI\(^{+07}\)].

Spline [BS88, BS90, BL18, Fol87, Joe90a, KPP17, Kla91a, LT08, RLU95, SDG\(^{+08}\), SDM93, SYSP14, vOV96, BA83, CG89, PU06, SCF\(^{+04}\), WPL06, GBK05].

Splines [BBB\(^{+93}\), BF01, DB88, FB95, Joe90b, Las90, PP93, Pav83, Pra89, TB87, vOV96, vW84, BB83, CZ17, CLS85, Coh87, FW12, FSH11a, HP04, Joe89, KA08, LT09, LJG14, Pot91, SZBN03, YHB05]. split [WTGT09]. splitting [TBV12, VK16, YWVW13].

Spoke [MEA\(^{+18}\)]. Spoke-Darts [MEA\(^{+18}\)].

SPOT [BC19]. spray [IGP\(^{+17}\), N013]. spray-on [IGP\(^{+17}\)]. Spreadsheet [Hud94]. spring [LBOK13, SLF08]. squared [WPL06]. Squares [BIW93, DMB\(^{+17}\), FCOS05, HFG\(^{+18}\), LPRM02, SMW06].

St.
Stability [YKGA17a, LLK+15, SMZ+14, YKGA17b].

stability-based [SMZ+14]. Stabilization [TWLT19, BB14, FL11, GF12, Kop16, LGJA09, LGW+11, LyTS13]. Stabilized [CCWL18, WMB19]. Stabilizing [DLK18].

Stable [CK02, DJBDT10, ETK+07, Hob01, SDK18, SSK05a, TNGF15, dASTH10, FTP16, MLB16]. Stackabilization [LAZ+12]. stacking [GBF03]. stacks [CKS18]. stage [ALY08, ZLW+18].


Star [MSS+19, SPO10, KS04a]. Star-contours [SPO10]. Star-shaped [MSS+19]. state [OKH+17]. Static [FV96, SPV+16, FKY+10, HLV+17c].

Station [Lev84], stationary [AWL15, AIH+08, RCOL09, ZVB+18, MFR+10].

Statistical [KV05, MA06, Bel18, CH07, GGY18, GMP+06, GvdBL+12, LW092, LWL17, LCT19, WMC11], statistics [BAGL19, Fat07]. Steady [RV11, DHL14].

Steerable [AS02], steering [CAR+09, OPOD10]. steeganography [PHN+12]. Steklov [WBCPS19]. Step [RY92, APH+03, LGL+19, WSM11].

step-by-step [APH+03], step-edge [WSM11], steps [KJ09, TJ08]. Stereo [HN19, WF96, ZTF+18, AWBG04, BGK16, FKN17, HGG+11, KDR+16, KDW+17, MCE+17, VPB+09b, WSVT13].

stereo-to-multiview [KDW+17].

Stereological [JDR04], stereoscope [HCW15]. Stereoscopic [KLLK13, LvBK+10, DMHG13, KKB+11, LHW+10, LSC+12, NFL12, OHB+11, TDM+14].

Stereoscopizing [LMY+13], stereoscopy [KHH+11]. Sticky [vOV96]. Stiff [PAK+19, MSW14]. stiffly [MLT17].

stiffness [VMTF09]. still [XWL+08]. stills [OEE+18]. stippling [DSZ17]. Stitch [WGF+18, WSY19, YKJM12].

Stochastic [Coo86, CHPR07, GKH12, HJ09, LSD+16, Lew87, Øzt16, VR94, CGZ+05, GGY18, JHY+14, LAKL11, SK13, YIC+10, Pav90, WP90]. stochastically [RMGH15].

stochastically-ordered [RMGH15], stock [KSES14]. stokes [LBB17a]. stone [SZB18].


strategies [SK13], streaks [GN06]. stream [ATW15, BAM14, BPH+04, HZG09, HHH+02]. stream-processing [HHH+02].

streamable [CCS+15]. Streaming [ILSS06, KH08, KDMW17, KHLG09, MVD+18, SBZ09, TDL+18]. streams [AMN03]. Street [KCSC10, CEW+08, XFZ+09]. street-side [XFZ+09]. strength [LSZ+14, SVB+12, ZLB16a]. Stress [MHS+19a, SVB+12, MB15, PRZ17].


Strict [LZ14]. String [KMM17b, KMM17c]. strip [CK14b, MS04]. strip-based [MS04]. Stripe [KCP15]. strips [CK14b, TISM16].

stroke [LYFD12, XKK+06]. stroke-based [XKK+06]. StrokeAggregator [LRS18]. strokes [HTERO4, KMM+02]. Strong [GBP+19]. Structural [LF02, LLN+14, WSW+12, ALX+14, BSFG09, FSH11b, IOO105, LSD+16, LLW17, PMW+08, SVB+12, SKAG15, ZPZ13].

structurally [DLL+15, WOD09, ZCT16]. structurally-sound [WOD09, ZCT16].

Structure [CAO09, FMLW14, FvKBCO16, HGM14, KEE13, LCOZ+11, LLR13].

MDLW15, PQW+08, SFCH12, XZW10, XXYJ12, XZT15, ZJMB12, CMZP14, DH06, GPW+17, HYG+13, HKAK14, JAM+10, LDHM16, LGF04, NGH04, SABS14, SYJS05, UMK17, WVJH17,
WWL19, ZLC13, YCZ11.

Structure-aware [CAO09, LLR13, PQW08, ZJMB12, WWL19].

Structure-based [XZW10].

structure-driven [HYG13].

structure-from-motion [CMZP14].

Structure-oriented [FvKBCO16].

Structure-preserving [KEE13, LCOZ11].

Structured
[ARBJ03, GIZ09, Kau18, LSII18a, HDS18, KFWM17, LKK16, LBW14, MCT15, RGB16, RHDG10, SMCT18].

Structures
[vOV96, BPK11, Boi84, DPW14, JTSW17, JLBMO5, KPWP17, LSK16, LXC17, LCC18, LYO10, MLB16, PKL19, PLW07, SZB18, STK14, SHOW02, SFG13, Ter18, WWY13, YCC17, ZHRB13, dGAOD13, vKXZ13].

Study [CMS95, LJGH11, RGSS10].

stuffing [LS07].

stunts [TGLT14].

Style
[BMH04, HPP05, HLV17a, LZX19, LHFL15, SPB14, XLZ10, FTP03, GAGH14, HLV17b, KGS18, LJGH11, LHP05, LKS15, LKWS16, MBB12, NKS08, P008, SDKN18, SED16, SBLD15, WPP14, WXY11, XWCH15, YNS19, YM16].

Style-based [GMHP04].

Style-content [XLZ10].

Style-Defining
[HLV17a, HLV17b].

style-synchronized [KGS18].

Styles
[YZX18, LP10, SHU16].

stylistic [CCL12].

StyLit [FJL16].

Stylization
[DS02, FJL16, LYFD12, ZAJ15].

stylize [ZAJ15].

stylized [FJS17, KDFM03, LMPB13, RTF04, TiAB10, Wam16, dSAP08].

Stylizing
[BCK13, JST19, EGBB14].

sub [HA18].

sub-meshes [HA18].

subband [LSA05].

Subdivision
[AB08, Che92, DLG90, Gol85a, Kla94, Lew87, Rap91, dGDMD16, BFK16, CADS09, DM13, HSH10, ISD04, KP07, KS98, KBZ15, Lev06, LYLL08, LJG14, LS08, LSNC09, MRF06, MFR10, MP09c, Nas87, NLMD12, PO08, PR97b, PS04, PBW19, SW05, SJP05, VB06, VMW18, WP06, WWT06, ZHX07].

subdivisions [GS85, PVR18].

SubEdit
[STPP09].

Submissions [Ols88].

Subspace
[BJ10b, HTC14, HZ13, HSL06, KD13b, LGW11, MA07, PBH15, SS19, TMDK15, AK08, BJ05, MHR16, TOK14, WJBD15, WMW15, XB16].

Subspace-based [SS19].

substrate [PH15b].

substrate [ZJ18, ZZX18], successive [FZL15].

suggesting [LRFH13].

suggestion [CXY15].

support [CK10, JTR12, SS17].

suggestive [DFRS03].

sum [BDD11].

summarization [DTP15, WWT06].

summation [ZB14].

Summed
[NMLH14, NMLH11].

Summed-Area [NMLH14, NMLH11].

Super
[BAC06, CBD13, NYY04, GGY18, SDP18, WDGE19, XFCT18].

Super-helices [BAC06].

super-resolution
[GGY18, SDP18, WDGE19, XFCT18].

supercompressed [KPM16].

superimposed [AYL12].

Superimposing
[BI08].

superresolution [HLR14].

supersampling [DVC09, DEM06, YNS09].

Supervised
[YZX18, HSG13, SS17].

Support
[DWW18, AFR07, CK10, ISD04].

Support-free [DWW18].

supported
[SFLM04].

Supporting [HI16, MHS19a, DPW14, LPS13, MIB15, VHWP12].

suppression [LSL18].

Supra
[WWH04].

Supra-threshold [WWH04].

SURE
[LWC12].

SURE-based [LWC12].

Surface
[BI92, Bli82, CG89, DHB16, DNZ17b, DLG90, EC93, EK98, FNO89, FG90, FB95, GLL16, HWZ14, HOZ19, HH16.
HTCH15, KM97, LSSW19, LC96, MBT+15, Mi87, PM05, SO92, SYS14, TG17b, VBF12, YIC+14, ZWK14, Zyd88, dFP95, AMCO08, APL14, APL15, AAT13, ABA02, ACA+19, ASL+17, BUSB13, BHMK+18, BHK14, BLN+13, BHW13, BBB10b, CBCG02, CSPF12, CBI13, CMMK15, DBG14, DNZ+17a, DTB06, DBG+06, DCP+14b, EB14, FG14, GZ08, GW+08, GTR+06, HTG14, HSTP11, HLZ10, HNB+06, HLZ+09, HZ82, JCW10b, JSMF+18, KH13, KG06, LDK+18, LDPT+17, LKK+18, LPL+18, LF09, LJT18, MCSK+17, MFL17, McK87, MASS15, MBW02b, NGH04, OBS04, PO08, PKG06, RDT+10, STJ+17, SAPH04, SS10a, SSZC010, SAC04, SLS+07, SAL+08, SCI18b, SCGT15, SKM10, SS11, TBW003, TGWT10, TGI17a, VGB+14, VPB+09a, VMT06, WZT+08b, WLZ+09]. surface [WYY+14, WYJ17, WFF+07, WPMR09, XDPT16, XZZ+14, YHZ+14, ZJ18, ZM05, ZM11, ZGW+13, ZQC+14, ZBG15b, ZHC11, ZPKG02]. Surface-only [DHB+16]. Surface2Volume [ACA+19]. SurfaceBrush [RRS19]. Surfaces [And82, AOCB15, BIW93, BHN98, BS88, BS90, BSTY15, Che92, CGM91, DWMG15, ESBC19, F109, Joe90a, JHR+15, KPP17, KMM17b, LM91, LDW07, LC96, MHS+19a, MSS92, RSH11a, Rap91, RS14b, Roc89, SB95, Sar00, SLM+17a, SG17, TBW16, War92, AB98, ACXG09, AA09, AK04, ASGC010, BX03, BW03, BMBZ02, BHLW12, BWWM10, BFK+16, CI97, CS09, CPS11, DvGNK09, DJB19, EKS+10, EC96, EB08, EMF02, FCOA03, FHL10c, GOMP98, GG07, GBK05, HSH10, HCJ19, KNBH12, KMM17c, KYYL08, KTT13, KCPS15, KLP18, KP03, LCSS18, LJJ+18, Lev06, LFS16, LPL+17, LB18, LPW+06, LPS+13, LJG14, LD89, LB06, LS08, LSNC09, LKYU12, MGA+17, MIB15, MRF06, MFR+10, MAB+15, Nas87, NISA07, NLMD12, PZ07, PCL+12, PLP12, PBDS13, PSF09, PKD+19, POT17, PV06, POC05, PSB+08, PU06, PBW19, RRS19]. surfaces [SHWP09, SF09, SPSH14, SLM+17b, SOS04, SF07, SS10b, SRGB14, Sta03a, TSN10, TGD18, TSL+02, TO02, VBCG10, VdFG99, VHWP12, WM05, WSM11, War89, WDB+08, WO09, WGL+18, WYZR19, YHJ+14, YZ04, YT13, ZMSS18, ZZV+03, ZTM06, ZS00, ZHX+07, vW09]. surfacing [PLS+15]. surfel [AD03]. surfel-bounded [AD03]. surgery [MCS15, TR98]. surgical [CAR+09]. surroundings [VAV+07]. Survey [DKHS14, Gre86, GB08a]. suspended [FOA03]. SV [R16]. SV-BRDF [RGB16]. SVBRDF [AWL13, AWL15, BJT18, DAD+18, DWT+10, GLD+19, NLGK18, Zha18, ZCD+16]. SVG [YWH13]. swapping [BK+08]. Sweep [CZS+13]. Sweeping [vW84]. Swimming [SLST14, SHU+16, TGL11]. swings [CB05]. SwingWrapper [AFSR03]. Switchable [SMH+11]. Symbolic [EC93, BCT15, Gue07]. Symmetric [CC19, JTC09, vW09, GWAB19, LF08, PLP12, RS19, SR97, YTL18]. symmetries [MSHS06, THW+14]. Symmetrization [MPG07]. Symmetry [BSEH18, KLF12, LCDF10, RS14b, BW810, CMZP14, LSS+17, MPG06, PZ07, PSC+06, RV09, WOF+10, XZT+09, XZJ+12, ZXJ+13]. Symmetry-guided [KLF12]. symmetry-summarization [WOF+10]. sync [SSKS17]. synchronized [KGS+18]. Synchronization [Hl86, ELFS16, WSZ+14]. Synchronized [KHKL09]. synchronizing [HLW+19, LJ14]. synchronous [HLZ10, HZG08]. synopsis [ACC05]. Syntactic [SG91]. Synthesis [AFP+95, BSL12, CZA+16, CBYdP08, DNP+15, HM92, JWDL19, LW15, LLX+01, LP02, RO85, RO87, SCO17b, TSL+02, WB08, YL12, YBY+13, ZZV+03, AAL16,
AVB08, AJM12, AFO03, BSHK04, BDT±08, BNB13, CDSHD13, CWL12, CT17, CLG±16, CWTW17, DSB±12, DLL±15, DLK±18, EVC±15, FP03, FTH±04a, FJS±17, FR±12, FSL±15, FR±12, FAW±19, FC±17, GGY±18, GPD±18, GMP±06, HET±14, HRRG08, HWR±13, HSK±16, JYL±09, JHS±12, KWR±16, KCK±12, KG±18, hKS±03, KFC±12, KFC±07, KP±06, KSE±03, KEB±05, LES±09, LH±05, LH±06a, LHL±10, LSR±18, LDL±14, LTK±09, LSW±16, MJC±08, MWG±09, MPF±18, MM±08, MSOC±19, MC±12, MYH±10, NSC±08, ÖG±12, PHL±09, PC±06, PZ±17, PB±02, RYL±13, RCOL±09, SHM±18, SCO±17a, TZN±19, TOS±03, WZT±08b, WYZG±09, WHR±010, WSR±18, WQL±18, WHZ±08, WLHR±11, WHLR±12, WY±04, XK±18, XUC±14, XBS±19, YYT±12, ZG±04, ZMB±12, ZHW±06.

**Synthesis**

[JJ±14, ZZB±18, ZTF±18, ZFW±18].

**Synthesizing**

[NSB±13, RHGD±10, SHP±04, SSKS±17, YKH±04, YYW±12a, CYT±18, NRH±17]. **Synthetic**

[LCV±04, MHS±19b, PT±09, PCC±02, WGD±18, ZMN±19, BD±102, CNR±08, KFH±11, OPD±10]. **synthetic-vision**

[OPD±10]. **System**

[AJS±19, CM±03, EHS±19, GF±82, LXC±19, SGS±6, Bly±06, BTF±18, CST±16, DHOO±05, FN±082, GPC±13, HGY±17, HFT±15, HFF±16, HGG±11, HWR±14, HMT±15, JLF±09, KLG±09, L2±04, MG±03, MP±04, MII±16, MI±07, NJS±11, OEE±18, RKKS±07, SPJT±10, SY±04, TL±04, TKTS±11, WZK±17, WS99, YCL±17, ZPK±02].

**Systems**

[FH±07, LN±84, PAK±19, Re±83, WW±82, ZHI±11, ACX±09, FPL±14, HFF±18, HDA±17, KJS±08, LBO±13, SSB±15, SHS±04, SHH±16, SAI±06].

**T** [CZ±17, GBK±05, KPP±17, KB±15, SZBN±03, SCF±04]. **T&I** [NPP±11]. **T-junctions**

[KPP±17]. **T-mesh** [KB±15]. **T-NURCCs**

[SZN±03]. **T-Spline** [GBK±05, SCF±04]. **T-splines** [CZ±17, SZBN±03]. **Tables**

[NML±14, NML±11]. **tabletop** [An±03]. **Tactile** [LDS±16, T±018, B±12, SPG±13]. **tags** [MWH±09, RB±04]. **Tailored**

[POAR±12]. **taking** [CL±06]. **talk** [SQR±16]. **talking** [FT±19]. **talking-head** [FT±19]. **tall** [CM±11].

**Tangent**

[BS±88, COS±19, PP±03, FSD±07, VB±06]. **Tangent-space** [COS±19]. **tangents**

[HL±108]. **Tangible**

[JPG±14, An±03, GMP±16]. **tangle** [SP±16]. **Tanks** [KPKZ±17]. **tapestries** [BS±88, COS±19, PP±03, FB±07, VB±06]. **Telepointers** [RO±04]. **Telepointers** [RO±04].

**Target** [AvdP±16, Cas±91, CBvD±09, SKB±14]. **Task**

[AvdP±16, Cas±91]. **Task-Analytic** [Cas±91]. **Task-based**

[AvdP±16, CBvD±09]. **tasks** [BS±12, GSC±12, YKH±04]. **Tau** [Las±00]. **Tau-Splines** [Las±00], **Taylor** [ZRL±07]. **tearing** [PNdJO±14]. **Technique**

[EM±90, Res±83, Res±87, JM±12, JB±02, KSH±18]. **Techniques** [And±83, HL±14, Jan±91, Kaj±83, O±88, RO±85, RO±87, WZ±96, UB±99, CB±04, IGL±06, JDR±04, JAR±99], **technology** [BP±12]. **teeth** [VPB±18, WBG±16]. **tele**

[HY±13]. **tele-registration** [HY±13]. **teleconferencing** [JLF±09]. **Telepointer**

[RO±04]. **Telepointers** [RO±04].

**telepresence** [GWN±03]. **telescoping** [YCC±17], **templates**

[JZ±08±08, KLM±13, PY±14, ZHG±16]. **temples** [KPKZ±17]. **tempoGAN**

[XFC±18]. **Temporal** [AEC±15, LAC±11, MKD±16, O±14, WGP±10, BGS±10, BB±15, BTS±15, GAM±11, LWA±12, LBJ±09, V±05, WFS±09, ZRL±07, ZM±13].

**Temporally**

[ASC±14, HKA±16, LLY±12, XFC±18]. **tendinous** [SSB±15]. **tensegrity** [PTV±17]. **tensile** [VMTF±09]. **Tension**

[BB±83, DL±90, AAT±13, GMB±17, SZB±18, TWG±10, ZQC±14]. **tension-actuated**
tensioned [Coh87]. Tensor [HLW+19, PRK+17, SG17, Tsa15, WLHR12, TS06, TS12, WWS+05, XZY+17]. TensorTextures [VT04]. terrahertz [WW13]. Terrain [GGG+13, LYvdPG12, PGP+19, PBvidP16, cWP10, BST09, CGG+17, GDG+17, LH04, PBvidP15]. Terrain-adaptive [PBvidP16, cWP10]. tessellation [VdFG99]. tessellation [FFB19]. Texture-Based [SS00]. Texture-Montage [ZWT+05]. textures [AZB+05, AS02, BD02a, CGZ+05, gDGPR02, DY03, FAW19, GP08, GP09, JDR04, JP02, KMB+09, KPM16, KSE+03, LHL10, LGG+07, MWT11, MLWLT13, MZX05, NSX+18, ONO04, PZM+15, PZ08, RCOLO9, SXD+12, TOH08, TZN19, WZYG10, ZZV+03]. Textureshop [FH04a]. texturing [CH02, GSV+14, PB02, VSLD13, XCOJ+09]. theatre [WL16]. their [Fat09a]. theme [WYW+10]. theories [LJGH11]. Theory [APH+14, CA00, HZE+19, JSDK12, BB17, DPF03, FCJ07, JNSJ11, LDF14, MSRB07, RAMN12]. Theran [BTNF+08]. There [PVR18, ISSI16]. thermal [HZW12]. thermoforming [SPG+16]. thickness [YSC+16]. Thin [HWZ+14, LSNP13, ASL+17, ABO16, BMWG07, BDW13, CAJ09, CsvcRV18, CQD+18, FSH11a, GRBN09, GSLF05, GHH+18, HLHR09, LCC+18, PNdJO14, RK13, VRBC18, VLD+13, WT08, WTGT10]. thin-plate [FSH11a], thin-shell [CQD+18]. things [Iza18]. thinning [NSS+19]. threads [BAV+10]. Three [CKH18, CW93, CGM91, COSL98, Day90, EM94, GZV86, JSMH12, SG17, WF96, BBO91, Boi84, IGLF06, SLWF14, UB18]. Three- [CCW93]. Three-Dimensional [CKH18, Day90, EM94, COSL08, JSMH12, BBO91, Boi84, UB18]. three-level [SLWF14]. threshold [WWH04, ZF03]. tight [DML17]. tilable [FLHCO10]. tile [CML+17, WPC+14]. tile-based [WPC+14]. tiled [S05, YBY+13]. TileGAN [FAW19]. tiles [KCODL06, LD06, CSDH03]. tiling [WV09]. Time [And83, AIH+08, BYG96, BJ05, BKCO16, CWTW17, DNZ+17b, DLK18, GTR+06, GXY+17a, GNM15, GVN018, HXZ+19, KZSR16, KRM+19, LBK17a, MBGS15, MOR+18, Mey91, TZS+18, TSLP14, VTSS15, WS85, XZT15, ABW+17, ASA+09, AD+08, BHR13, BP08, BZ11, BAOR06, BM07, BK04, CHWH17, CWW13, CHZ14, CBZB15, CWW+16, COK18, CCWL18, CH02, CPD07, CB13, CM11, CT05, CHP07, DNZ+17a, DRvdP15, DLL+18, DYN03, DHO005, DKD+16, DDF+17, EMU15, FKY08, FYK10, GO12, GCB+17, GSKJ03, GRGC15, GXY+17b,
HV04, HED05, HFF18, HRE+08, HHHW15, HDHN16, HSW+17, HKA+18, Hub96, HESL11, JBPS11, JP02, JTL+12, JKT+15, KWB+13, KNS+09, KCOD06, KRF+18, KAMJ05, LEN09, LH16, LES10, LZC11, LTK09, LKbp11, LH4G+14, LGL+19, LLX+01, LFTC13, LHLK10, LXC+15, LB17b, LB06, MCMK14, MPM+17, MBPY+18, MP04, MP08, MS+17, MDB+19, MCK13, NSX+18. **time** [NMD+17, NOP+18, NZV+11, NZIS13, PZ08, PO08, PVG19, POC05, RSM+10a, RWS+06, RTK+15, RJ07, RHHL02, SAL+08, SZT+08, SHHH16, SCT+15, SL17, SSi18b, SKS02, SRNN05, SMPR07, TDSG15, TDL+18, TNZ+15, TZX+18, TPT+16, TLP06, TS12, VBG+13, VRBC18, WAO+09, WWD+05, WTL+06a, WPP07, WP09b, WJBK15, WYM+16, WSJP17, WJ19, WXLY17, WGT+05, WOG06, WZN+14, XUC+14, XZY+17, ZIT+18, ZSI+17, ZBYX19, ZHWG08, ZRL+08, ZNI+14, dASTH10]. **time-critical** [Hub96]. **time-domain** [WJ19]. **time-gated** [PVG19]. **Time-lapse** [MBGS15, BM07, LEN09, SMPR07, TDSG15]. **time-multiplexed** [WGT+05]. **Time-of-Flight** [GNHM15, GVN18, KZSR16, ABW+17, CHWH17, HHHW15, MMH+17, NZV+11, SHHH16]. **Time-resolved** [AIH+08]. **time-variant** [WTL+06a]. **Time-variety** [BKCO16, GTR+06, BHR13, DRvdP15, HED05, XZY+17]. **Time/Space** [BYG96]. **times** [SPDF13]. **tissue** [BBO+09, KPMP+17]. **tissues** [PRWH+18]. **TOG** [Oks88]. **together** [GSKJ03, RTB17]. **toil** [DBWG15]. **token** [Zit13]. **tolerance** [MCSA15, YRPF09]. **tolerant** [SLWF14]. **tomographic** [WLHR11]. **tomography** [GKH+12, IYY14, ZIT+18, ZIT+19]. **ton** [CW+05]. **Tonal** [FL11, LFUS06]. **Tone** [SW18, ASC+14, BPD06, EMI15, EKM17, FFLS08, KO11, LCTS05, MKD08, MAF+09, RSSF02, RTS+07, WYXY11, YZWH12, ZF03]. **tool** [BDM09, FH04a, JRT+15, MZB+17, WAC07, XFRAT12]. **toolkit** [FH04b, MGDB05]. **Tools** [BLA12, BD86, HA92, SB93, PLKD18, RMD12]. **toon** [ZLWH16]. **tooning** [WXSC04]. **Toonsynth** [DLKS18]. **Topological** [LDW97, VV94, vV06, GMP09, LDK+18, NNG04, TR98, VW95]. **topologically** [PKZ04]. **Topology** [ALX+14, ABA02, DFL+15, HZCJ17, MB12, NHS+13, PSF09, Sar00, ZIL14, ZSCM17b, ZHCJ15, AXZ+15, ABO16, BHK14, BW13, BHLW12, BBD10b, DRvdP15, JZTH07, LHM09, LHZ+18, MDF04, Mus13, NKFJ09, SLS+07, STH03, WGT10, WHDS04, YHZ+14, ZPBK17, ZSCM17a]. **Topology-** [PSF09]. **Topology-adaptive** [MB12]. **topology-aware** [SLS+07]. **Topology-based** [DFL+15]. **Topology-constrained** [ZJL14, ZHCJ15]. **Topology-controlled** [HZCJ17]. **Topology-driven** [NHS+13]. **topology-preserving** [LHM09]. **Topology-reducing** [ABA02]. **Topology-varying** [ALX+14, AXZ+15]. **Toric** [GPSZ11, LC15, MA+17]. **torque** [JWDL19]. **Total** [MGDA+15, XYJ12]. **touch** [PRWH+18, RP09]. **tourism** [SSS06]. **tourist** [GAP08]. **tower** [DFL+15]. **toys** [MS04, MI07, SWT+17]. **traced** [EDR11, HR13, PFHA10]. **Tracer** [GIF+18]. **Tracking** [BK85, BK87, CFS+18, DLTW90, FHL+18, GHCC88, GRS+17a, Kaj83, KIM+19, Lev90, NKK+14, PP94, RS14b, RLU95, SLM+17a, TB87, VKJ+17, WHG84, vW84, BDT99, BSS+13, CRS+16, CXW+05, CTE05, DHW+11, GRS+17b, HJW+08, HJ11a, HQL+10, HZ11, KMA+15, LAA+05, LADL18, MKD+16, Mor11, MHC+16, NPP+11, PBD+10, PBMH02, RSH05b, SHHD17, SLM+17b, SLWF14, WIK+06, WBS07, WWB+14, WSS05]. **TrackCam** [LWCT14]. **tracked** [CB04, JBM+17, PSK+16]. **Tracking** [BHLW12, WKHA18, AHSS04, BW13,
HLW, CHZ14, CCWL18, CMMK15, DBG14, Hlw+18, HK10a, HMT+15, JTS10, KRF+18, KHLN17, LWCT14, MB12, NSJ14, TBC+16, TTT+17, TAH+04, TPT16, TTR+17, VGB+14, WP09b, WXL17, WSS18, ZLWH16, ZGBB19. TRACKS
[BMWG07]. trade [LDS02, SWC+18]. trade-offs [LDS02, SWC+18]. Traffic [LWL17, SWL11, WSL13], train [WPKL17]. Trainable [EGP02]. Training [HL14, MCS15]. Trajectories [TFD+18, RH16]. Trajectory [GM84, HNH19, LH18]. Transactions [Bea88]. transcripts [SBLD15]. Transfer [HLC+19, LFZ15, SHS+18, AHLG+13, ABW14, ACASM12, BVGP09, BRM+18, BSBC12, CNR08, DYT05, FZL+15, GYO+18, HPB06, JAM+10, JBP06, JFA+15, JAG18, KAMJ05, LEN09, LYY+17, LKWS16, ODAO15, PTMD07, SDK18, SE16, SPB+14, SHS+17, SSK02, SLS03, SHHS03, SLS05, SSB03, SP04, TZN+15, TLJP18, TS06, VBPP05, WSH+16, WJ19, WTBS07b, XWCH15, XCLT14, YWS+11, YM16, ZHRB13, ZRB14, LAM+11]. Transferring [HLR+17, WAM02].

Transfiguring [KS16]. Transform [GSC+15, LWS+15, PP94, Pag98, AKZ+17, BHY15, GO11, HJJ1b, PGS+06, YHCOZ18]. Transformation [NN90, YYL+19, DYT05, WK099, WGT+05]. Transformations [BSB16, NN90, Pat85, Pat87, Tur82, Ale02, BSBI7, CPS11, JKB+12, LSS+17, Spr82, VMW15]. transformed [HDH16n]. transformer [FYK10]. Transforming [XZM+18]. transforms [LMAH+18]. Transfusive [YJHS12]. Transient [LRT+14, BL15, HHHH13, JMM+14, OHX+14, PKHK15]. Transition [SYSP14]. transitions [BLA12, DDD+14, WB08]. translating [CLD+13]. translation [CLY18, FTP03, HPP05, WSS+19]. Translational [LW15]. translucency [BATU18]. Translucent [BAU15, RT90, DI11, DJ05, GXZ+13, GLL+04, HV04, JB02, PRJ+13, WTL05, WZT+08a]. transmission [AAR05, KV05, MP04]. transparent [SOA11, WZQ+18, YTBK11]. Transport [BJNJ18, DKHS14, LRR+15]. SHS+18, BJ17, BvdPPH11, BPC16, BC19, DSH+05, GSK12, GLDZ15, HPJ12, HKD14, Hac18, IZT+07, JM12, KHD14, KGH+14, LCCS18, Leh07, LZT+08, LKL+13, Lip18, MSB07, MCKS+17, MKR+14, MGJ19, NG18, NSCL08, OK10, ORK12, OXH+14, OHHD18, Pan17, PML+09, QSH+15, RHJD18, SNM+13, SHS+17, SOHK16, SV19, VKS+14, VK16, WDT+09, dGBD12, LRL+15]. transport-based [SV19]. transportation [SdGP+15]. traversal [BAM14, NPP+11, PBvdP15, SNMCH08, WIK16]. Treatment [BFA02, HVYG08, KKS87]. Tree [Shn92, WLX+18, AMA+19, BO04, CNX+08, LY+10, LPC+11, MGT+03, NFD07, PHL+09, PND12, PSK+12, PN+14, PJH+17, TZW+07, TFF+08, XJL10, ZHWG08, JP04]. Tree-Maps [Shn92]. tree-modeling [NFD07].

TreeJuxtaposer [BSW02]. trees [AGDL09, DVS03, DIP+18, LBAD+06, LDP+11, LMPB+13, PSK+12, PN+14, RMD04, XGC07]. triage [CYW+16]. Triangle [LS00, S10b, ULP+15, AFSSR03, CSN+12, GLR11, LKZ10, PPW18, QHY+16, SNB07, SW05, SP04], SSC18, SOA11, SP08, SGC18, TP09, WZHB09].

triangle-oriented [QHY+16]. triangle-quad [PPW18]. triangle/quad [SW05]. Triangular [Sarat00, FYK+10, JSW05, Lip12, PU06, YHB05].

Triangulated [RS14b, HR05]. Triangulating [FM84, WS85].

Triangulation [CIS14, EPO91, KLN91, dFP95, FAB+18, HSG+19, LPS+13].

Triangulations [Kal14, LFXH17, Pet01, SG01, dGMMD14, Ale19, ILSS06, MMdGD11, SSC19a]. trichromatic [RZK11]. trigonometric
trilinear [Csé19]. trimmed [LCBK19, SFL+08]. trimming [GBK05, SF09]. Trip [Pra89]. Triple [NH04, SR09]. triple-product [SR09].

TriWild [HSG+19]. trouble [DBWG15]. True2Form [XCS+14]. truly [MMG06].

truss [SHOW02]. tuner [CLD+13]. tunnel [DLSCS08, She13]. turbulence [CQD+18, KTJG08, KTT13, MBT+15, NSCL08, PTSG09, PTC+10, SDK18].

Turning [BLCD02, SSJ+11, WX91].

tutorials [GAL+09]. Tutte [AL15, AL16, AKL17]. TV [MP04]. twice [YRPF09]. twilight [HMS05]. Twistable [JS11].

Twister [LKG+03b]. twisty [SZ15].

Two [AWL15, BPD06, Glao90, Las90, LD13, RMSG+08, SJ94, SG11, TFD+18, THG99, ZLW+18, ZSCM17a, ZSCM17b, BB12, Gal99, HP17, HFG+18, IGLF06, LWS02, LKG+03b, MDB+19, NAI+18, NGL10, NO13, RRC+16, WAH+10, XNY+16].

two-continua [NO13]. Two-Dimensional [Gla90]. two-handed [LKG+03b].


two-player [WAH+10]. Two-Point [TFD+18]. Two-Scale [ZSCM17b, BPD06, SG11, ZSCM17a, HP17].

Two-shot [AWL15, XNY+16]. Two-stage [ZLW+18]. Two-way [RMSG+08, HFG+18, NGL10]. Type [LDW97]. typefaces [Sha03].

UAVs [XDF+19]. ubiquitous [LKG+16].

UIMS [Hi86, SG91]. ultra [TTT+17, VLD+13]. ultra-fast [TTT+17].


unconstrained [YSN+18]. uncontrolled [VWB+12]. Understanding [GXZ+13, PKH+17a, PKH+17b, SN17, XADR12, HOM15, LRT+14, NXS12, SMZ+14].

Underwater [OKRC10, WP12]. Unfolding [SK16, MS04]. uniaxial [WW08].


Unifying [KGH+14]. unit [DFM13, HAM07, WSS05]. units [LHLK10].

unity [OBA+03]. universal [CLF+18].

unknown [DCP+14b, XDPT16, XZY+17].

unlabeled [XWCH15]. Unmixing [AAPS16, AASP17b, AASP17a, AAPS17].

Unmixing-Based [AASP17b, AASP17a].

UnMousePad [RP09]. unordered [SSS+08]. unorganized [HLZ+09].

unpaired [CLY18, GYQ+18].

unparameterized [gDGPR02]. unreinforced [PBH+13]. unseen [SMZ+14].

unsharp [LCD06, RSI].

unstructured [BBPP10, NLGK18, PKC+16, TIKT12].

Unsupervised [HFW+19, SvK+11, WSH+16, FYW+18, HWH+18].

Unsynchronized [MCT15]. Untangling [BK03, BRB+19]. Unwrap [RAKRF08].

UofA* [SG91]. Updated [HL5012]. upper [LST09].

Upright [FCODS08]. ups [LJGH11].

upsampling [CAWH16, Fat07, KGBS11, KCLUS07, SLJT08, WGP+10].

upsampling [FF11]. Urban [GDAB+17a, VLA15, YWW+13, AVB08, CMZP14, GDAB+17b, KFWM17, KCYW13, NSZ+10, NGDA+16, SHFW11, SMGH18, VABW09, VGDA+12, ZSW+10].

Use [HC86, Tur82, BS02].

Use [BD86, BP09, BBD, BBPD12, BBPD13, Fol86a, Fol86b, Fol86c, HC86, HD94, Jac96, Pel05, RVE93, RO94, SG11, GB08a, HRE+08, KKB+11, LZC11, Ob84, PCLC16, PTG02, SH08, WPC+14, ZZI+17].

User-assisted [BBPD09, BPP13].

user-centered [GB08a].

User-configurable [Pel05]. user-created [HRE+08]. User-guided [BBPD12, ZZI+17].

User-Interface [VRE93].

userspecifed [WPC+14]. users
Using [BIW93, BBB+93, BJJN18, BN90, CGM91, CSS96, DNZ+17b, DGH16, Duf17a, DKB+17a, EC93, Fat14, GF82, GXY+17a, HCOB10, HGM14, Hud94, JGX16, KLI17a, KLN91, LLK+19, LLN+14, LH17a, MHS+19a, MHNT15, PMHD19, RLY+14, SDN18, ST16, SHD+14, SHS+18, SBN15, Spr82, TSLP14, TB87, VMKK00, WK95, War92, XZZ18, XLCB15, YZW+16, YCP16, ZBH4, ZWK14, Aga07, ARNL05, ALK+17, AZB09, AYL+12, ABA02, ACMS12, ASL+17, AAM03, BCT15, BKGK17, BAS14, BWSS09, BCN08, BP08, BslP09, BGA12, BAM13, BKKL15, BBO91, BBB+11, Bel18, BM05, BBGB16, BBG+13, BBG+14, BL15, BDK+16, BWKS11, BvdPPH11, BPC16, BNTS07, BFK+16, BSEH18, CHWH17, CK14b, CB04, CI97, CH07, CKS+17, CNX+08, CLW+14, CBW+18, CM11, CPWAP08, CLQW08, CWL12, CLS03, CS09, CJN+17, CK11, DNZ+17a, DSB+12, DH96, DLF12, DZS08].

using [DYN03, DIO+12, DZPZ09, Duf17b, DDNP99, DKB+17b, EKD+17, EB08, FxBH16, FBB+10, Fat09b, Fat11, FLB17, FKY08, FSH11b, FC07, FLSG14, GJTP17, GGC+13, GLA+19, GFT+11, GLDZ15, GWP+19, GNS+12, GF12, GJ+05, GBAM11, GJW14, GXY+17b, HJ11a, HTC+14, HET+14, HRL15, HE07, HHG13, HLR+14, HDN+16, HS98, HSTP11, HLRHR09, HSF10, HMLL14, HMLL15, HZZ11, HLB12, HKA14, I0050, JKSH13, JLI11a, JNSJ11, JTL+12, JZW+15, JWDL19, JCR11, JMA06, JKZS10, JMA10, JZvdP+08, KL17b, KCW+18, KT03, KG5+18, KSES14, K110, KLM+12, KLF+19, KSE+03, LJS+15, LLDD09, LHRK10, LWH+11, LCXS09, LRR04, LTC05, LZF10, LDF14, LLW04, LGX+13, LLZM10, LLX+12, LHZ16, LVS+16, LWL17, LDP17, LRFH13, LWO19, LXW+11, LCX+14, LHI7b, LH18, LCS14, LB05, LH04, LEQ+07, MJC+08, MTP+18, MLR+14, MWBR13, MPN+02, MZD05, MTPS04, MRA+13, MSL+11, MB12]. using [MS04, MM06, MWM08, MdlH10, MWT13, MGT+03, MAB+15, MHR+16, NYY04, NSX+18, NZV+11, NSCL08, NKGR06, NFDS07, NRH03, NL13, NZIS13, OLAL14, PZM13, PBH15, PRJ+13, Par17, PCSS06, PMS12, PTMD07, PL07, PBvdP15, PBvdP16, PBYY17, PPW18, PTSG09, PTC+10, PZG+19, QZG+19, RTF+04, RAT06, RNd+07, RGB16, RWS+06, RDL+15, RKBO4, RKZ11, RMMB+13, SHM+18, SMH+11, SW55, SNC08, SMW06, ST14, SvTS14, SED16, SBSS12, SAL+08, SWT14, SHS+17, SOA11, SHK+14, SHM+14, SGG+06, SLWS07, SRL+15, TMRL14, TK14, TZX+11, TGB13, TZN19, TS06, TYY+19, TT09, UBW99, VABW09, VPB+09b, WIK+06, WS07, WHSG97, WZ+08a, WHKD12, WYY+14, WLL+14, WSXC16, WZK+17, WMB19, WG09, WZC12, WLR12, WMP+06, WJV+05, WM03, WGP+10, XLJ+09, XXW+14, XSB15, YCR+15, YL10, YL12, YJB+14, YYW+12a, YBY+13, YT13, YCHK15, ZRLK07, ZJMB11, ZFO3, ZHS+05, ZRL+08, ZTF+18]. using [ZKU+04, Zit13, ZNI+14]. UV [HDC07, PTH+17, Tar16]. UV-maps [Tar16].


Variance [HZE+19, MCKS+17, PSC+15, SK13]. Variance-minimizing [MCKS+17].

variant [BSD09, WTL+06a, ZZV+03].

variants [LL19]. variates [RJN16].
Variation
[MGDA+15, LBJK09, MLH+09, XYYJ12].

Variational
[ACSYD05, BCWG09, CSAD04, FSK04, HJ19, LBB17a, Sar00, SC18b, ZZWC12, BB07, DK09, GWAB19, KS98, LMH+15, MMTD07, SHM+18, WP10, YI17].

Variations
[BS90, BS13, BL15, DMIF15, GBL16, HOM15, ZHG+16]. varied
[HRE+08, SSJ+14].

varifocal
[ALK+17]. various
[SHU+16].

Varrier
[SMG+05].

Varying
[Fol87, ALX+14, AZY+15, BJ10a, BHR13, BB17, BCKO16, BATU18, DRVp15, DWP+10, DTPG12, DCP+14b, GTR+06, HED05, HMP+08, LXR+18, MAF+09, MAG+09, TDM16, TDG18, WGR+09, XDP+16, XZY+17].

Vax
[Ley84].

VDB
[Mus13].

VDX
[MKRH11].

Vector
[AOCBC15, BSEG18, CM83, DRVp14, DRVp15, LTDD16, SSC19b, SWWW15, WZYG10, ZMT+06, vFTS+06, BKKL15, BGB12, EBJ+06, EPD09, FSH11a, FSDH07, GLdFN14, Golds5b, LMPB+13, NH08, OBW+08, TLHD03, WWT+06, WYZG11, ZLJ14].

vectorial
[BBG12].

Vectorization
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