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Title word cross-reference

2 [AWL+19, BKL16, BHR13, BSW02, BSM+07, DBB+17, EPD09, GIZ09, HGRT04, Hl+87, HDK07, JSKJ12, KFCO+07, LT09, LPL+17, LHVT17a, LHVT17b, Ma+92, NG18, RMD12, SLV+13, Sh+92, XCS+14].  
2.5 [RID10].  
3 [AJS20, 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, BS+16, Bly06, BSM+07, BR07, BAU15, BATU18, CCA+12, CB04, Cwl13, CMZP14, CK10, CKGK11, CGF09, CSPF12, Czs+13, CLD+13, CZL+15b, CIW15, CLF+18, DNZ+17b, DNZ+17a, DS15, DTP15, DLSCS08, DSAF+13, DIP+18, DHL14, DDP02, ESCK16, EBGB14, EDF+16, EST+20, EPD09, ESZ+17, ERP+19, EM96, FZBR16, FJL+16, FH+10, FRS+12, FSL+15, FMK+03, GDAB+17a, GDAB+17b, GZW+16, GZC+16, GIZ09, GM05, GF08, GGS03, GTDS10, GKH12, GWN+03, GBW05, GFD+12, GRT13, GZC15, HGRT04, HGY17, HASK17, HK+18a, HNH19, LHLR09, HZ+10, HDK07, HMC11, HL+17a, HL+17b, HFWB11, HCTW11, HMT+15, HDGN17, Hud92, HOM15, IBP15, ICG17, JTR12, JBM+17, JLF+09, JZH07, KMM+02, KHS10].  
3 [KH06, KSH+14, KDM+16, KDR+16, KDW+17, KSES14, KMYG12, KLM+12, KRD+12, KLM+13, KKLK13, KTL+04, KDMW17, KSS+15, KS+0b, KYC+17, LMS13, LHW+10, LRAT08, LHKR10,
LCXS09, LOMI11, LRA+07, LACS08, LSH+10, LGV+13, LYM+20, LHM+18, LCOZ+11, LYC18, LOW18, LFZ18, LGJA09, LWCT14, LHLF15, LGK+03b, LFL09, LvbK+10, LSZ+14, LBRM12, MLZ+16, MPF+18, MHS+19a, MLYZ19, MW+13, MPI+18, MSHS06, MPN+02, MP04, MAN+16, MTN+15, MSS+17, MGP10, MGP06, MYWM15, MLS+18, NLGK18, NAH+18, NISA07, NRD05, NZI13, OHH+11, OLG11, ONO14, Par17, PGP+19, PMW+08, PK05, PXW18, PZ17, PRM14, PS04, PSG+06, PWLH13, RSL16, RSI+08, RDI10, RMBB+13, SS14, SHM+18, SCH+14, SLV+13, SSGS11, SKSK09, SBR+15, SHL+17, SF07, SSS+08, SARW+15, SSS06, SDW+16, SVB+12, SQKH+16, SRB+19, SSK+17, TD16, TDM14, TMB18, TOS08, TFK+03, TMB14, UTB+19, VVC+15. 3 [VSHJ12, WBF+17a, WBF+17b, WAO+09, WWY+13, WGW+13, WSX16, WL17, WS17, WSH+18, WLX+18, WKHA18, WYL11, WDB+07, WSW+12, WZQ+18, WWL+19, XLF+11, XIA+17, XZT+09, XZZ+11, XZCOC12, XCF+13, XCS+14, XSZ+16, YI17, YSL+14, YSC+16, YLJ18, YWS+11, YLC+20, YKC+16, YZX+18, YSHWH16, ZLP+15, ZAC+17, ZWK14, ZSW+10, ZMS14, ZK14, ZCJ13, ZPKC02]. 360° [Kop16, LLZ18]. 4 [Che13, DKS+16, HHT15, IGP+17, LHY+09, LBB+17, MHS+19a, MPD03, PS04, PMPH17, RAWV08, TDL+18, YMD15, Zho18]. 5 [BSS+13, OHX+14]. 6 [HMT+15]. 2 [LZ04]. 6 [JMY+07, CLJ+20, KC19, TWLT19]. TM [SG+05]. C² [MP09c, Pet89, SW05, Yuk20]. C0 [Jam20]. d [BMP+14], f [Asc10]. f [LWO19]. G¹ [LS16, Sar00]. C² [PU06], γ [CXW+05]. K [FLHCO10, TS12, Ts15, EPM+14, LWO19, MSDL17, YWS+17]. L0 [HSL13, XLYJ11]. L1 [BHY15, HWC+13, PMA+14, HJS+14, WYL+14]. Lp [L110]. N [RVL08, RSL14b, Ten20, BSH18]. p [GA20]. Q [LH17a, LHI17b]. r [DS92]. R³ [SMR00]. s [SR00]. SO(3, R) [CGM11]. T [MPKZ10]. v [XH18].

*Cages [GCP13].


2 [MKRH11]. 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 [SLMB05]. absolute [KS04a]. absorbent [CT05]. Absorption [BBS14a]. Abstract [KK91, YL10]. abstracted [LMLH07]. Abstraction [ACP+01, MZL+09, BSM+13, DS02, FLB17, LYC18, LFZ18, NSX+11, WOG06, YK12]. Accelerate [MHNT15]. Accelerated [KGL16, BD99, CW17, KB12, NPP+11, PVL+05]. Accelerating [BJ10a, BKK15,
LNLB16, RV89, LVS+16, Wan15, YPB16. acceleration
[CZJ12, JLB05, MA06, PDZ+18, MA07]. accelerations [KLF+19]. Accelerometer
[SH08, TZZ+11]. Accelerometer-based
[SH08]. access [KCYW13, LSK+06, NH08].

Accommodation
[KPM+17, KBB17, CLS+17, MWH+13]. Accommodation-invariant
[KPM+17]. account [LCG+96]. accuracy
[CKH18, LDS02, SHD+18]. Accurate
[BOFN18, GM09, GGH03, MSMS06, SBN15, SSR20, Ste20, VJ19, WZC12, WZWR19, ZGBB19, BBB07, BHK14, Dee05, DDP99, KR18, JPB06, LBB17a, LD14, LKYU12, MLT17, MG03, VMTF09, XSTN14, YTJR15]. Achieving [JLF+09]. achromatic [Fe16].

Adaptive [LW19]. Acknowledgment
[AO010]. Acknowledgments [Hod02a].

ACM [Kro82, Spe03]. Acoustic
[LFZ15, LLMSZ16, ACSM12, JPB06, LZYJ16, OHR14, W19]. acoustic-potential
[OH14]. Acquiring
[Bou18, KMYA12, NGD+06, TGG18, TDF+13, DWI+08, OEE+18]. Acquisition
[Did18, HED05, HHA+10, TG17b, BKG16, BJK18, BTFN+08, DJ18b, GHP+08, GGH03, GLL+04, GRB+18, GTR+06, HLZ10, HCTW11, LLW+08, MP04, NLW+16, NLGK18, NJR15, PCK+08, RHHL02, SWTU14, TG17a, XZ+16, XNY+16, ZCD+16, ZRL+09]. acting
[DYP03]. Action [ACOs05, MLZ+16, DWT+02, GCR13, SCH+14].

Action-driven [MLZ+16]. actions
[ACOY10, BDG15, YM16]. activations
[SNF05]. Active [CHP07, FLP14, MMBN07, PM18, RV89, WA+K+12, PZ13, YKC+16]. activities [KLF+19]. Activity
[FSL+15, FCW+17]. activity-associated
[FCW+17]. Activity-centric [FSL+15].

Actor [LZX+19]. actors
[CTMS03, WSV13]. Actuated
[KMM17b, Ano03, GMB17, KMM17c, LPLL19, STC+13]. actuation
[Ano003, JYD19]. actuators [WHDK12].

Acuity [MGD+15]. Adaptation
[SP05, DE05, HKT10, VMG15]. adaptations
[HGRT04]. adapted [Se06]. adapting
[PSK+12, YCBvD08]. Adaptive
[BMM+09, BO04, BF08, BDW13, CGG+04, CBK20, EC96, FCW+17, FBL07, GO12, HHRH13, HII87, HWH+16, HWZ+20, JLS+03, KDI3a, KTS+14, KYS+15, MCY14, MIGY15, MNGG16, NSO12, ODR09, PN10, RL05, RKL12, RKZ12, Sahara, SHFH11, SW18, WFP12, WSLT18, AGL+17, AHN17, ATW13, AB20, BAMP13, BLD11, BFK+16, CYFW14, CTH+14, DJ18b, EB14, FFB+09, GTJS17, GWAB19, GKS02, HJW+08, HJ11a, HTC+14, HFG14, KMM10, KSP13, LHMK10, LWC12, LDN+18, MKD08, MB12, NPO13, NMLD12, P008, PBvdP16, SABS14, THKM13, VDGG99, VKK18, VKI19, WPC+14, WFDH18, WP10, YI17, YW13, YIC+10, YSC+18, ZS18].

Adaptively [APG10]. adaptivity
[TMDK15, WDI17, ZLB16a]. add
[MK+13]. add-on [MRK+13]. Adding
[DKD+17a, Hud92, DKD+17b, SKC+14].

Additive
[LJM+16, AHB18, MLD16, MSDL17, MHS18, PZM+15, YIO+15, ZJ18]. address
[KWB+13]. adhesion [AAT13]. adjacency
[SNH08]. Adjoint
[PM95, VK16, MTPS04]. Adjoint-driven
[VK16]. Adjunct [Bea88]. Adjustable
[SB93]. adjusting [DOI+12]. Adjustment
[YZW+16, BSK+16, LSUS06, Wan18a]. Advanced
[CFB+18, SM15, Zha18, FLG15]. advection
[BNTS07, ZBG15a]. advection-uniformity [ZBG15a].

Adversarial
[SSI+18a, GDB+17, WA+10, ZSB+18]. Aerial
[HNH19, Liu18, OKH+16, SMGH18, NOP+18]. Aerodynamics
[DYN03, WB18].
Aerodynamics [XIM18, MUB15].
Aerophones [AR15]. aesthetically
[GSH18]. Aether [ALDL17]. affect
[HCOB10]. Affine
[BT19, SR09, GAB20, HSS98, JSS+15, RV11].
affinity [XLJ+09]. affinity-based
[XLJ+09]. after [HXM+13]. against
[Wan14]. agent [LSCC20]. agglomeration
[GJTP17]. Aggregate
[NGCL09, CHPR07, GvdBL+12].
aggregates [RBF08]. aggregation
[TJM15]. Agnostic [HFW+19, AWL+19].
Ahead [Fol91, ZMN+19]. Aided
[BG89b, GJ84, GJ85a, SMPZ15]. AIM
[An010]. Air
[MCKM15, CFW13, LSCH14, SPG13].
Airbrush [SMPZ15]. AIRREAL [SPG13].
airplanes [UKSI14]. Airy [MIB15]. Alain
[Fiu00]. Albedo
[GXY+17a, DDTP15, GXY+17b, HR13].
algebra [Gol85b, KW03, MDP04].
Algebraic
[ACC90, BI92, BW93, BII82, CCOST05,
GM84, GG07, MD94, PBS20, PP93, AB89,
BWSK12, Gol02, LT09, LB06, War89].
Algebras [Duf17a, Duf17b]. Algorithm
[CG89, Day90, EP091, HA92, KM97, LMR83,
LM97, Mey91, MPB17a, PF89, Sah18, Sia89,
SG82, SO92, WS85, Zyd88, AAM03,
BCRK+10, BSFG09, C090, EKAS4, EPD09,
GI04, GMP09, GD04, LZF10, MMT18,
MBF04, MPB17b, RSH05b, SYBF06,
SQA11, SSB03, WW09, XCM+14, XYH14].
Algorithms
[Bak94, CSM05, CSL85, DGM93, Dun83,
EM90, Jan91, Kla91b, Kro82, MD94, MST89,
RV89, VN89, EKA84, HDN+16, KW03,
LJGH11, RKAP+12, Spr82, WDB08]. alias
[SQA11]. alias-free [SQA11]. Aliasing
[Tur82, BAM13, HSD13]. Aligned
[MLS+18, ZVC+20, COPM14, GDC15,
HTWB11, JTPSH15, MWR12, MWRD13,
MYRD14, MPKZ10, MPZ14, PLG+15,
STJ+17, TPF+11, XCOJ+09]. ALIGNet
[HFW+19]. Alignment
[HFW+19, HXM+18, LJJ+14, ARS14, BR07,
CWTW17, HZM+08, SPK16, SRL+15,
WGP+10, WSH19, XLY09, ZLE14, BZL+17].
avive [CMT+12, HLYK08, LBB02].
All-frequency
[NRH03, TS06, WTL05, WTL06b, WRG+09,
ADM+08, NRH04, XCM+14]. All-hex
[FXBH16, LXX+12]. all-pairs [AP08].
along [WHS19]. Alpha [EM94].
alternative [HGT04, LD06]. Ambient
[GAF+10, ZRM18]. amendment
[TBTS08]. Ames [STXJ15]. AMFS
[CT+14]. among [SGG+06, WWOH08].
Amortized [YNS+09]. Amplification
[PGP+19]. analog [HSHF10]. analogies
[WWH06]. analogue [SR97]. analogy
[LYY+17]. Analysis [BS14a, CM83,
DKD+17a, EC93, KP92, Kla91b, LLZM10,
LTDD16, LDW97, Mai92, MOR+18, OG12,
SPV+16, VFK+14, WBCPS19, WMP+06,
Wu92, YGK17a, YZX+18, XZT15].
BHR13, BBB+14, BWWW10, CCOST05,
DHS+05, DKD+17b, ETH+09, EHDR11,
FKY08, FV96, GFS08, HXXW20, HSTP11,
HR97, HvKW+16, HSS+13, HWK15,
HHA+10, JSDKJ12, KSHG18, hKPS03,
KCG14, LSD+16, LHC+09, LHL04, MC12,
OK10, OHX+14, Par17, PSC+15, PCHF18,
RMB07, ST14, SJ17, SK13, TOR+03,
WAQ+12, WG+13, WLY+14, WL+17,
WW1, XHS+15, YGK17b, ZTS09, ZN06,
ZXJ+13, ZPZ13, vKZ+13].
analysis/synthesis [TOS+03]. Analytic
[Cas91, NL13, SKS09, SDK19, WR18,
BLPW14, HW12, SRNN05, SJ18].
analytical [GAM11]. analytically [SHK+14].
analyze [GSMC09]. analyze-and-edit
[GSMC09]. Analyzing
[Ch61, SHH99, HGW14, KGF14].
anatomical [KIL+16]. anatomically
[DZS08, SZK15, WGB16].
anatomically-based [SZK15].
anatomically-constrained [WGB16].
Anderson [PDZ+18]. angle [CAa09, PRP+15, SLMB05, SLL9, TAV+10].
angle-based [PRP+15]. angles [LS07].
angular [KZP+13]. animal
[WP09a, XWL+08]. animals [WPP+14].
animatable [SGdA+10]. Animated
[FZLM11, TGB16, VKJ+17, BCC17, CS09, HRvdP04, LCR+02, MBB12, MA06, NSB13, OHR14, SN17, SS17, SDO+04, TLJP18, WIK+06, WG09].
Animating
[BDWR12, CJ11, CGZ+05, CTTL15, EB08, FOA03, FOK05, GPH+18, KA08, MWTK13, SRH+15, SwTSH14, SJM17, XXK+06, XWL+08, YL08, ZB05, BAA12, BWHT07, BBS+13, CMT04, CLQW08, GBO04, LZJ16, PH06, PTG12, PNDN12, SB12, TMB14, WCF07, WCL+20].
Animation
[AJS+20, BC14, EMF02, ESN20, EAPL06, HTCH15, JW15, MMMG06, RPC+10, SDO+18, AWL+20, AHSS04, ASK+05, BKL16, BP07, BISP09, BJS+08, BCK+13, BWP13, BFA02, CTFP05, CWLZ13, CHZ14, CWW+16, CH05, CB05, COS19, Cor18, DRLdP15, DYP03, DBB+17, ETo07, EP02, FL04, FYK10, GSZH+18, GB13, GMP+16, GRGC15, HYL07, HKP17, IWZL09, JTCW07, JGNN15, KIL+16, KAL+17, KSKL14, KPM+17, KG+16, KFC06, KCD09, LLI4, LLI14, LYYB13, LWL17, LX+15, MCC09, MCP+09, NZC+18, NSL08, NK08, NFJ02, OBH02, OLSL16, PKA+05, PB02, RP03, RO7, SHW19, SSK+11, SY05, SSKY08, SKM10, SKP08, TKY+17, TLP07, VBMP08, WP06, WAH+10, WDAC06, WHRO10, WSX16, WQLJ18, WSS+19, WBLP11, WSL13, WFL+19, YL10, YRP09, YCZ11, YGM97, ZSCS04, ZMI3, ZX+18, ZPB19, ZMCF05, ZBBB18, dSDP09]. Animations
[PM18, DLKS18, FJS+17, GSKJ03, HOKP16, JT05, JFA+15, KG06, LP02, LMY+13, ODGK03, cWP03, XWSY15, YKH04].
animator [ELFS16, XZL+18].
animator-centric [ELFS16, XZL+18].
AniMesh [JGGN15]. AnisoMPM
[WCL+20]. Anisotropic
[ACSD+03, BX03, BSTY15, FLSG14, GZ08, JGT17, KDI19, LWSF10, LLR+15, Mcc99, Ste20, XSD+13, CK11, JAM+10, NSO12, PPTSH14, PLMR17, PTC+10, PH15a, SJ17, TOI08, WZT+08b, WCL+20, XLZ+10, YT13, ZJ18, ZHBL10, ZWDR16, ZGW+13].
anisotropy [BlDG+16, KFR04]. annealed
[YYW+12a]. annealing [DH96]. annotated
[BUSB13, LCL06]. annotation [YKC+16].
annotations [AFO03, GIZ09, TFK+03].
Anti
[Tur82, BAM13]. Anti-Aliasing
[Tur82, BAM13]. AntiAliasing
[Kla91a, DHI+13]. Antialiasing
[BYRN17a, BYRN17b, YSLH11, CS00, GT96].
antiradiance [DSDD07]. Any
[GR+12, GZ05, MYW15]. Aperture
[PC82, BCM08, GSMD07, GWGB10, LFDF07, LCV+04, LW+08, VRA+07].
Apparent
[DER+10, IM10, JDA07].
Appeal
[WZC+20]. Appearance
[CBKM15, DBP+15, DCP+14b, DWMG15, HXM+18, KSZ+15, LH06a, SPSh14, VADWG15, VPB+18, WTL+06a, AYL+12, AP08, ATDP11, BUSB13, DCP14a, GGN18, GXZ+13, GRB+18, GTR+06, JFA+15, JSB+10, KWN+17, KRK11, KBC+13, KFB10, LMS+19, LEN09, LDPT13, LKG+03a, LDPT17, LSWS18, MWAM05, MDLW15, ODAO15, PL07, PLMR17, RPK+12, SbdDJ13, SGM+16, SLS+16, TDG18, WM14, WZYR19, XMR+11, ZJMB11, ZJMB12]. appearance-driven
[PL07]. Appearance-from-motion
[DCP+14b]. Appearance-mimicking
[SPSh14]. Appearance-space
[LH06a, AP08, ATDP11]. AppGen
[DTPG11]. AppIm
[DCP14a]. Application
[BLDA11, CA00, DRC+15, RO85, RO87, AG05, BA83]. Applications
[APH+14, BF01, BF01, OF01, SR00, YSHWSH16, ACMS10, BZL+15, CH89,
DRE+12, DEM96, Fat09a, GKH12, Gue07, HSL11, JSKJ12, KDR+16, LWA+12, LL10, MMCK14, MASC15, XLC+16, YGL+14.

applied [BLR+11, SABS14]. AppProp [AP08]. Appreciation [Fin00]. Approach [AOCBC15, Bar86, Cas91, DKL+17a, EM96, FH97, GM84, MC92, MGDA+15, PPV95, SLG01, SLn92, SHS+18, BLR+11, CWW3b, CDM+02, DWT+02, DK09, DIO+12, DKL+17b, FLB16, GSMC09, GD04, HZW12, HLHZ08, HZG+12, HWJ+15, KBS15, KZ11, LDPS84, MM06, Mor11, MMTD07, NXS12, NO13, OP010, RPE+05, Sh03, SXZ+12, SHS+17, SFWG09, TKY+17, TWGT10, VBCG10, VdFG99, VMFT09, WFA+05, WWZ+09, Wan15, WWB+19, WGH20, WMW15, Wym05, XRFL15, ZCW+17, ZRL+09].

Approaches [Mil87, FH04b]. Approximate [DYY+17, HLZC014, LW15, MC83, NF07, TLJ18, VFK+14, AFO05, Ketz08, MS04, MG06, MCK13, SSK+05b, TL04, Wym05]. approximately [CZM+10].

Approximating [Hub96, LS08, LSNC09, G104, LYL10, SISO4]. Approximation [BIW93, LFZ15, TG16, Tsa15, BO04, CB17, CPW08, CH89, CSAD04, FD17, MCA15, NR03, PZM13, SSR20, TGB13, TS06, TS12, WWS+05, WYY+14, WDB+08, YL18, ZYWK08]. Approximations [DLTW10, Tbn94, BOD18, HW16, KFB10].

AppWand [PL07]. AppWarp [ATDP11].

Arbitrarily [HAK2, KG06]. Arbitrary [CSZZ20, EP01, LDW97, Sar00, Se93, AFC+10, BVG11, BW03, GD02, GLD+19, GH98, GHZ18, HF06, POC05, Sta03, TNL+02, WZ14, WPGM16, YZ04, ZZX+03, ZJ12, ZWL+18]. arc [BPK+11]. architectural [CKX+08, DAB15, EKS+10, KW11, LHL10, NSX+11, NHM03, PKM+11, SSS+08].

Architecture [CFS+18, FHL+18, Lev84, NKK+14, Wes88, YIO+15, AMS03, ASF+13, CMT3, DN02, DHW+11, JTC09, KSS18, LCOZ+11, LW08, PLW+07, SM15, SCS+08, WFM+07, WWSR03].


Arnold [GIF+18, KCSG18]. arrangement [YTT+11]. Arrangements [JTMW20, LHT17a, FR+12, LHVT17b, MMB15, SMZ+14, ZG16]. array [HSH10, VLD+13]. Arrays [GPHS19, JMA06, LKK+16, SMH+11, WJ+05]. art [HH18, KY+10, KL11, LHE+07, LEN09, LCL+17, LZF+19, MP09b, XZ10, YNS19].

artificial [LLZ10]. Articulated [ACP02, AP95, GT11, TTT+17, VBMP08, ZB04, BBJ12, CCA+12, CZ11, CBL+16, JL11b, RGL05, TK14, TOK14, WDB+19, XZK+20, YHL+18, ZRLK07]. articulation [JPG+14, JMD+07, KS12]. artifacts [ARN15, CMM+12, GRB09].

artificial [PTSG09]. Artist [BKL16, BSM88, SS+11, LRS09, SPJ10]. Artist-directed [BKL16].

artist-intended [LRS18]. Artistic [BST09, CAA10, NJS+11, RRS13]. artists [SLD17]. As-rigid-as-possible [IM05].

ASCII [XZ10]. assemblable [ACA+19]. assembled [DFZ+17]. assemblies [BDD11, JMM09, KTS+14, MYY+10, WSP18]. Assembling [DPW+14, GSK10].


 attracting attractiveness [MLD08]. [HVS11]. atomic [Bel18]. attack [BWRB05].

 atmospheric attention-directing [KCD17]. attention-driven [KMM14]. attenuation-based [BWRB05]. attraction [AVG01]. attractiveness [BWRB05].

 attractors [TFD13]. attribute [TYS09]. attributes [AN08]. audio [KAL17]. audio-driven [KAL17]. audio-visual [TYS09]. augmentation [SH01].

 Augmented [SMP15]. augmentation [AN08]. attribution [AN08]. auditory [LYG15]. Audio [KAL17]. AUTOCOLLAGE [RBB06]. autoconnect [KSS16].

 Autocollage [CZ14]. Autoconnect [KSS16]. Autocoders [CZ14]. autodesk [AN08]. AUTOMULTISCOPIC [BF01]. Attribution [BWRB05].

 authoring [AN08]..AUTOHAIR [AN08]. autoscan [TYS09]. autscanning [TYS09]. attribute-based [AN08]. autostereoscopic [AN08].

 Attribution [BWRB05]. autor [AN08]. autowriter [AN08]. AVT [AN08]. AUTOSTEREOSCOPIC [AN08]. autostereoscopic [AN08].

 Axial [PVY90]. Axial-cones [TAV10]. Axial-cones [TAV10].
Axis [CCW93, LLF+20, LWS+15, MWR12, MWR13, MLS+18, BO04, DW+18, ERP+19, MYRD14, MGP10]. Axis-Aligned [MLS+18, MWR12, MWR13, MYRD14].

Azimuthal [KM17].

B [BS88, BS90, CG89, FW12, Pra89, RLU95, WPL06].

B-Spline [BS88, BS90, CG89, WPL06].

B-Splines [Pra89, FW12]. Back [Fol91].

background [ZW+16, ZYQ+14].

backlighting [WLHR12]. Backward [MEMS06, TJ08]. badly [SBHH16].

balance [BBPD12, HMP+08, MZS09].

balancing [PWLSH13]. Ball [Sai89].

ballistic [RP03, SP05]. Band [BBPA15, HC04, LH+18]. Band-Sifting [BBPA15].

bandelets [PM05]. Bar [Ols92].

barcodes [MLY19]. [LHKR10].

barycentric [TPV13, BLTD16, ZDL+14].


Based [AAP17b, AFP+95, BD86, BVF17b, BBPA15, DFH88, ErH18, GNN15, HW+14, HC86, HZE+19, HJS+14, KM97, LZC19, LLY16, LH17a, LSS19, MCY14, ST16, SLG01, SS00, WHHY20, Wes88, YY19+13, YIC+14, AHS04, AvD16, AAP17a, AVF17, AVB08, ATW+17, AG05, ASF+13, AAM03, BBP10, BP08, BDD11, BC02, BBG+13, BSH04, BK17, BSPP13, BJ+12, BN13, BD02b, BldG+16, CWW+16, CH07, CFL+15, CKG11, CDH13, CNX+08, CIW15, CCL12, CBL+16, CGZ08, CT17, CTM13, CBvdP09, CW113b, DB14, DS+12, DJ17, DS15, DC14a, DYN03, DKN08, DDTP15, DFL+15, DC0Y03, DYY16, DBB+17, DLK18, ERB+12, EC96, EVC+15, EHS20, ErH07, FCA09, FJL+16, FJS+17, FH10, FRS+12, FH04b, FTZ+19, FK17, GPC13, GZ05, GvdPvdS13, GDP+18, GGG+13, GB13, GLA+19, GBFP11, GZ08, DJ18a, GMP09, GBC+13, GMHP04, GDG+17, GBJ05].

base [GS04, HSR05, HW16, HGY17, HLT+18, HTG14, HCL+18, HTER14, HRDB16, HPP+18, HLR+17, HMG03, HHC+19, HZW+13, HES11, IJKP17, IWL09, JLS+03, JYL09, JLL1a, JZW+15, JMD+17, JWJ+14, JTS16, JzvdP08, KIL+16, KSB+13, KWR16, KMI0, KCKK12, KRF06, KTY09, hKPS03, KLM+13, KO11, KWB+15, KNC+08, KLS+13, KEB05, LWA+12, LK02, LDPS84, Lee05, LAD08, LKG03, LW10, LWC12, LW17, LPL+18, LLO+19, LWO19, LHP05, LVdP01, LCL+17, LHT+17, LCT19, LYFD12, LFB+13, MM13, MMH+09, MS05, MTGG11, MNP+02, SM01, MLH+09, MRA+13, MWR13, MTB+15, MS04, MWH+09, MdLH10, MRF05, MTT05, MZV07, NACC05, NK08, NF07, NF02, ODG03, OP01, OLG12, OGI15, PRP+15, PKG06, PAK+19, PALvdP18, PTV+17, PHS+18, QYH+16, QTZ+06, RYL13, RDL+13, ROA+12, SML+12, SS14, SZK15, SS19, SDK18, SNM+13, SHD17, SJ12, SKY+12, Sh03].

based [SMZ+14, SAC04, SM05, SHT+08, SH08, SY+04, SKG+12, SaLY+08, SKM10, SV19, SKB+14, SGD01, SSD09b, SGZ05, SM06, TK05, TPS05, TZW07, TEG18, TWL+18, TYS09, TD16, TDM11, TGG+14, TWG10, TOS+03, VRC+13, VT04, VB05, VBFG12, VBBF16, VSH12, WPC+14, WRDF13, WM16, WPL06, WZT+08b, WZ09, WZ10, WLO10, WLS10, WYX11, WFP12, WHD12, WHY+13, WMZ+13, WM15, WZB17, WLG+17, WZK+17, WSL18, WQL18, WBL11, WP10, WHR11, WMP+06, WHL+13, WDR11, WZ+14, WBG+16, XLY09, XFT+08, XZF+09, XK10, XGC07, XLC+10, XSW10, XLS+11, XF12, XCF+13, XUC+14, XB17,
**XSHR18, Yi17, YTS+11, YCL+15, YRPF09, YZ04, YZX+04, YT13, ZG04, ZWG02, ZMT05, ZHLB10, ZM11, ZCW+17, ZZMC13, ZJ12, ZGW+13, ZIH+11, ZDI+15, ZPKG02, dGWH+15, dLMH10, vW02, vFTS06.**

**bases [DCD15, HTC+14, LDF14, WST09].**


**Beta [BB93, Joe90a, Joe90b, TB87, Joe89, NCVO05]. Beta-connection [NCVO05]. Beta-Spline [Joe90a]. Beta-Splines [Joe90b, TB87, BB83, Joe89]. better [AFSR03, Jam20, ZAE+14].**

**Between [MPB17a, BDG15, BWS10, CMT04, CFW13, CR08, ESB19, GJK+05, MPB17b, MRF06, OBCS+12, TMY+11, WM14, YM16]. betweening [HYNP20]. Beyond [BJ17, Cse19, Hac18, KCD+16, ZB14].**


[LW15, CLF+18, LCL06]. **Blockwise** [KIM+19]. **Blossoming** [DGHM93]. **Blue** [Fat11, HSD13, JZW+15, MEA+18, QHC17b, dGBOD12, APC+16, CGW+13, GWN+03, KTBV16, KCODL06, LWSF10, ODJ04, QHC17a, SLS+16, SZG+13, Wei10].

**blue-c** [GWN+03]. **Blue-Noise** [MEA+18, Fat11, SZG+13]. **Blur** [VMCS15, AXR09, BHR13, BSS+13, ETH+09, HCOB10, HQL+10, LES10, LSR18].

**blurred** [YSQS07]. **blurred/noisy** [YSQS07]. **Bodies** [BC14, CMT04, CFW13, DBB+17, GBF03, HRZ+13, IGLF06, JTSB16, KEPO5, LHLK10, PMS12, RGL05, RTB17, SZZK15, WMW15, ZFL+10].

**Body** [SQRH+16, ACP02, ACP03, CZJ12, CBB20, EMO10, FTP16, HHC+19, HFG+18, KIL+16, KE18, KP11b, LJ14, LST09, LTK09, LYWG13, MTP+18, MEM+19, MTA+20, PRMG16, PSE03, SPS+11, TLT12, Ten20, TBV12, TJ08, VSK+17, WY16, WJSJ17, WZC12, WP12, ZSS+14, ZJ10, ZBG15b].

**body-mounted** [SPS+11]. **bodybuilding** [SZK15]. **Bokode** [MWH+09]. **bone** [MK16]. **Bones** [JS11, LD12]. **Bookmarks** [Ols92]. **Books** [XZM+18]. **boolean** [AD03, HR05, Man86]. **Boom** [TFK+03].

**Boosting** [DMB+14]. **bootstrapping** [DWT+10]. **Botanical** [WZB17, WLX+18, IOI05, PSDK+12, PJH+17]. **Bounce** [WJSJ17, MDK16]. **Boundaries** [BG+18, BHW16, KGB+09, LFB+13, LCBK19, SS15, WZHB09, WZ14].

**Boundary** [DS92, HTWB11, RS98, RV89, SC18a, SV93, SVB17a, SVB17b, SGWJ18, SJWG20, DF88, HW15, HW16, HDS+18, IKCM13, PTSG09, SKM10, SS17, ZLB16a].

**Bounded** [CW15, CCW16, CLW16, JBP11, Lip12, LYP+14, AD03, AL13, BDT99, CWWKC13, KABL15, LW16, LFY+19, PMHD19, ZG02].

**bounded-error** [BDT99]. **Bounding** [CB17, CGM11, SHH99, VAZH+09, WBS07].

**Bounds** [CCK92, LAKL11]. **Box** [HHX+18, LVS18, CGM11, JBB18, SRL+15, TYY+19]. **Boxelization** [ZSMS14]. **boxes** [SHH99, ZSMS14].

**braided** [HML+14]. **Branching** [GBJ+20]. **BRDF** [BAOR06, BAERD08, CDP+14, EB+06, LK02, LRR04, LKYU12, NJR15, RGB16, XNY+16]. **BRDF-based** [LK02]. **BRDFs** [BSN16, BLPW14, LGX+13, SZC+07, SJR18, XCM+14]. **Break** [STXJ15].

**Breathing** [TMB14]. **bridge** [MRF06]. **Bridging** [DHL14]. **Bright** [JGC+15]. **Brightness** [DGH16, WZC+20].

**Bringing** [AECKC17]. **bristle** [CIK15].

**brittle** [HW15, HW16]. **Brook** [BFH+04]. **browsing** [KSC10, TJ07]. **Brush** [PF89, CTW09, ITER04]. **brushe** [DJ17].

**Brute** [GIF+18]. **Brute-Force** [GIF+18]. **BSDFs** [GHZ18, HHD16, RBMS19].

**BSP** [HMPG09]. **BSP** [GMP09].

**BSP-based** [GMP09]. **BSRDF** [DLR+09, YJR17].

**bubble** [BDW12, KySK10, PCK+19]. **Bubbles** [HLYK08, DBW15, GAB20, HIK+20, KLL+07, LZJ16].

**Bubbling** [CPPK07].

**buddies** [ALS+18]. **budget** [HHGH13, WYM+16]. **Buffer**

[FF89, BBO91, JLBM05, LCD06]. **buffers** [CM14]. **Build** [LZCX19, LSZ+14].

**Build-to-last** [LSZ+14]. **Building** [BD86, LW15, MG03, ZJMB11, BYMW13, CLF+18, KGFF14, KGS+18, LCL06, MSK10, YNW16, MRF06].

**Buildings** [FW16, SW14, MWH+06, WOD09, WSW+12]. bulk [HZG08].

**bulk-synchronous** [HZG08]. **Bundled** [LYTS13]. **BundleFusion** [DNZ+17b, DNZ+17a]. **bunnies** [SBHH16].

**bunny** [WKHA18]. **burr** [XLF+11].

**Burst** [HSG+16, LYT+14]. **Bush** [GM84].

**Bush-Trajectory** [GM84]. **Butterfly** [DGL90].

**Buzo** [DSZ17]. **BVH** [DFM13, KOY+11]. **BxDF** [YJB+14].

**By-example** [DLL+15, LHL10, RRS13].
c [GWN+03, MGAK03]. C-like [MGAK03].
C1x6 [KKB+11]. Cache
[MBK+10, YLPM05, WS99].
Cache-oblivious [MBK+10, YLPM05].
Caching [MJJG18, JDZJ08, MA07,
MHC+16, PFHA10, SJJ12, SSM15]. CAD
[SXZ+17]. cage [GPDP13, JZvdP+08].
cage-based [JZvdP+08]. cages
[BC18, SJ15, TMB18]. Calculating
[MC92]. Calculations [SWZ96]. calculus
[ZJ18, dGDMD16]. Calibrated
[BC18, SVJ15, TMB18]. Calculating
[BC18, XLC16]. Capacity
[BSD09, XLC+16]. Capacity-constrained
[BSD09]. Capture
[BBO+09, FJA+14, GPHSH19, HXZ+19,
HTCH15, PBS04, SBSH18, XCS+18,
AWL13, AWL15, Ari06, AHH+08, BGKS17,
BBB+10a, BBH+11, BBN+14, BBGB16,
BBA+07, BPS+08, BHPS10, CBZB15,
CLS03, DAD+18, DWT+10, DKD+16,
DDF+17, FKI+14, GFT+11, GITH14, Hol18,
HMLLI4, HCTW11, ITM+14, JCR11,
KCW+18, KP06, KN06, LMB14, LLR13,
MBPY+18, MCE+17, MRC05, NZV+11,
PRMG16, PMPHB17, PB02, RNd+07,
RRC+16, SMP03, SPS+11, SNF05, TFK+03,
VWB+12, VBP+18, VAV+07, VBP+09b,
VSHJ12, WMZ+13, WWY+15, WZK+17,
WZC12, WSVT13, WBGB16, XWW+14,
ZSCS04, ZSZ+14, ZMCF05, ZBGB19,
dAST+08]. captured [BBPP10, Leh07].
Captchaing
[AHM+15, ASN+20, EBGB14, HML+14,
JMM09, KUDC07, PH06, PNDN12, WCF07,
Zho18, BDCDA11, BLCDO2, BDB11,
LRAT08, RTB17, TMB14, VWJ+13].
Cardinality [MS13].
Cardinality-constrained [MS13].
caricature [LYH18, GYH17]. CariGANs
[CLY18]. CARL [LSC20]. Carlo
[ALLD17, BVM+17, BAGL19, CKS+17,
DMB+14, GLA+19, GHZ18, HET+14,
HRV+18, JMI12, KBS15, LADR18, McC99,
OKH+17, PSC+15, RAMN12, RGMH15,
SHHD17, SD12, SWZ96, SJ17]. Carry
[MTA+20]. cartography [TBW+12].
cartography-intrinsic [TBW+12].
Cartoon [BCV+15, BOD+13, DLKS18,
RID10, WDAC06]. cartoons
[BLCD02, WWH06]. carve [ZZX+18].
carving [AS07, DPZ09, RSA08, SSZC010].
Cascaded [HLR+14, WLT16]. cascading
[SZT+07]. case
[McK87, PRZ17, SZB18, ZPZ13]. Cases
[EM90]. Casteljau [Pra89]. casting
[KGB+09]. Casual [AECO15, HASK17,
HWV+18, TT09, ZMN+19]. casually
[BBPP10]. CAT [HGR07]. catadioptric
[KN06, TAV+10]. catadioptrical [NYO04].
catalog [BUSB13]. catalogue [DFL+15].
cataracts [PPZ+11]. Catch [MTA+20].
catching [MLH+09]. Catmull [DB88,
LFS16, LJG14, LS08, MF06, NLM12].
Catmull-Rom [DB88]. CATRA [PPZ+11].
causal [RCLM19]. causality [HMO12].
caustic [MMT18, STTP14]. Caustics
[YIC+14, GSLM+08]. CD [WFL+19].
KJM08, KJM10, KGBS11, KKN+13, LWS+18, LDN+18, MTB+13, NSO12, OKRC10, RPC+10, SbdDJ13, SNW20, TJM15, T WL+18, VMFT09, WOR11, WPLS18, WCF07, ZLB16b, TWL+18. 

ClothCap [PMPHB17]. Coaching [IH03, BRB+19, HTC+14, PMPHB17, WHRO10, XUC+14, YKJ12, dASTH10].

clothoids [CBD13]. Cloud [MSQ+18, Che13, DKNY08, GSC+15, HWCO+13, TZO09]. Clouds [WLS+19, BDS+18, DDSD03, DIO+12, GAF+10, HRV+18, HLFZ+09, KMM+17a, LYO+10, WPL06, YHZ+14]. Clustered [SHHS03, Tsa15, TS06, TS12]. Clustering [CLSS97, KT03, SvKK+11]. clusters [HHN+02]. cluttered [NXS12]. CNN [CT17, LSQ+15, WLG+17, WSLT18, WSL+19]. CNN-based [CT17]. CNNs [EKD+17].

Co-abstraction [YK12]. Co-Analysis [YZX+18, HvK+16, WA vK+12].


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

co-placement [XCF+13].

correlation [BAS14]. co-retrieval [XCF+13].

correlation [SvKK+11].

Coaching [HL14]. coarse [EB14, LZF10, RPC+10, SDW+16].

coarse-to-fine [SDW+16]. coarsening [CLMK17, CBW+18, FCA09, GAB20, KMOD09, LJO19, TREO16]. coaxial [HLZ10]. cocktail [EML+18]. code [HBD+14]. Coded [GWGB10, KW+13, RAT06, SZD+20, CZN10, LFD0F7, VRA+07]. codes [CCLM13, Kan15].

Codimensional [WJL+20, ZQC+14, ZLQF15]. Coding [GVNB18, LCD+19, CRG+20, ORK12, PK05, RS14a, RS18]. coefficient [ZF03].

coefficients [WR18]. CoffFab [SDW+16].

cognitive [MCS15, SSRB+17]. coherence [HZ82, WFS+09]. Coherent [GLHL11, KDFM03, KPF11a, LBP+12, YCZ11, ASC+14, HTG14, HKA16, LLV+12, RSI+08, WIK+06, WHSL11, XFC18].

collaboration [KKB+11]. collaborative [CSTP16, DXZ+19, SSTP15, TGY+09].

collage [HHZ11, KSH+16]. collection [HZG+12, SW85]. Collections [SSB+17a, FAR07, FvKBCO16, HSLG13, HSG13, HSS+13, HWG14, HK15, HLFZ+19, HOM15, KLM+12, KLM+13, LBP+12, OLGM11, PRFS18, SSB+17b, SSS+08, SSS06, SHM+14, TKKT12, WSH+16, XMZ+14, YKC+16, YK12, YK14, ZLE14]. Collision [LLF+10, VJ19, WQZ09, BJ10b, BEB12, GJK+05, Hbl96, JP04, KOOP11, LHLK10, Mir98, MASH15, MCMK15, SPO10, TMY+11, TTWM14, TWL+18, Wan14, WHL+13, ZRLK07, ZJ12].

Collision-free [WG09]. Collision-Ready [LLF+20]. Collisions [OD01, BFA02, HVTG08, KTS+14, MZS+11, MTM16, VMT06].

Color [AAPS16, AASP17b, BYF+17a, BAU15, COSG+06, Fat14, GW90, HLC+19, HDO7, KP92, LR90, LR91, NRS15, OAH11, PH15a, PH15b, SCLB87, SFB28, SCO88, Sto92, WC90, WC91, Wu92, Xia97, ZK14, AAPS17, AASP17a, AHBI8, BCN08, BSPP13, BATU18, CGZ08, DK99, GOTTG05, HSLG13, HCE03, HRV97, ISSI16, JSB+10, KYS+15, KWK09, KJDL09, KRK11, KL12, LRH13, LDS02, MHP+19, SMH+11, SMHW16, SLS+16, SLD17, TOS+03, WP09b, WYW+10, WYX11, WAM02, ZRL+09].


colorimetric [LDS02]. Colorization
[LLW04, CZG+11, HCL+18, ISSI16, LWO+08, QWH06, ZZI+17, ZLW+18].
colorizations [LRFH13]. colors [YKH10].
column [HPB07, HWH+16]. CoLux
[Par17]. combination [Ale02, dSPD09]. combinations [HR05]. Combined
[OKH+16]. Combining
[BWG03, DKH+10, JASR09, PS04, CGG+17, DSB+12, EB14, HP17, NRDR05].
combustion [PZH+17]. comfort
[DMHG13, KBBD17]. comics [KL12].
Comments [Pav90, WP90]. Commodity
[YLC+20, CM14, GM05, HDGN17].
Communication [HiI86, JGN16]. Compact
[BKGK17, JBY+19, LLP09, SKOA14, ACSM12, GLR11, HNB+06, KCYW13, MO12, PyBM+06, ZCR+16].
companding [LSA05]. Comparative [HRV97, RGSS10].
Comparison [BBB+03, LC96, SCB87, EKA84, HXZW20, KKN+14, MGT+03].
compatibility [HLFL15, OAH11].
Compatible
[SG01, WLY+16, KS04b, MEMS06]. compensate [POAR12]. compensated
[ZRL+08]. compensating [WM14].
compensation [BHW13, SRB+19].
compilation [LS02], compiler [MAN+16].
compiling [HBD+14]. Complement
[CZY17b, PAK+19, CZY17a, LMAS16].
Complement-based [PAK+19].
Complementme [SSK+17]. Complete
[JTMW20, RHJ18]. completion
[ASK+05, DCOY03, FMLW14, HTG14, HE07, HYG+13, HKA14, HKA16, HWH+16, ISSI17, KKDK12, LLV+12, SAC004, SYJS05, SKAG15]. Complex
[BYRN17a, DBP+15, HJS+14, SW14, VADWG15, BYRN17b, BAOR06, CAC+02, CJAMJ05, DDP02, EHDR11, EMF02, FGBP11, GGN18, GDC15, GM05, GLY+03, JBP06, JSP17, KH06, KTS+14, KBT17, KSSCO08, LZJ16, LDS03, LRA+07, LP02, LVS+13, MZD05, MB12, MTP12, PMS12, PKZ04, 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, HFH+17, NKGR06, NVW+13, SHHS03, SFWG04, WZF+18].
composable [FH11]. compose [Rit18].
Composing [DeR88]. Composite
[MPP11, AMG+19, SPH+17, WMZ+13, ZKBT17].
composites [XADR12]. Compositing
[Dufl17a, KSH+14, Aga07, BSS+11, BPB13, CGC+03, DWT+02, Dufl17b, HLR+17, SGW06, YTBK11].
Compression
[DGWM39, LM97, BCGS17, CL14, GB08b, HGC0+12, LLY17d, ZJ18, ZXC+18].
comprehensible [BF08]. Comprehensive
[LST09, JdJ14, JSJ11]. Compressed
[MHU19, SLM+17a, NNSM07, SLM+17b, WYL+14]. compressible [GHB+20].
Compressing
[LSA05]. Compression
[ARI06, BIP01, MUH19, SILN11, SWWW15, AF5R03, BCG05, FLW02, GD02, IG03, LAJJ14, LD13, MEMS06, MCHAM06, PM05, RA06, TLD+18, TR98, YGM97].
Compressive
[ITM+14, MWH+13, MBWR13, PML+09, HWRH13, HWR14, LLWD14, WLHR12].
Computation
[PM95, PVY90, VMKK00, WJZ4, FBC18, GSC012, GS85, HZ82, ILS06, JTL+12, LK02, LFH15, LWW+09, MIB15, PSBM07, QHY+16, RGK+08, SHE13, SGG+06, TLK09, TK14, XLC+16].
Computational
[LSA05]. Compressing
[ARI06, BIP01, MUH19, SILN11, SWWW15, AF5R03, BCG05, FLW02, GD02, IG03, LAJJ14, LD13, MEMS06, MCHAM06, PM05, RA06, TLD+18, TR98, YGM97].
DKNY08, FV96, Fre16, HRH+13, HWBR14, HPK+17, KCD+16, KPM+17, KSS+15, KS11, LHRG+09, LLMZ16, MPI+18, MZB+17, OHR14, STTP14, WFDH18, XKF+18, XDF+19, XRLF15.

computationally [KTY09]. compute [LMAS16]. computed [Bae18, IYYT14].

Computer
BG89b, CT82, Coo86, Gol84, Gol85a, Hil86, KP92, MSK10, MRC+86, Pav90, SMPZ15, SLGS01, WP90, Ano03, ACSM10, Gol02, HWC15, ILB15, KFS13, PV+05, SHL+17, TL04, WQJ18, YGMM97, ZAJ+15.

Computer-Aided [BG89b, Gol84]. computer-assisted [ILB15]. computer-controlled [Ano03]. Computer-generated [MSK10, ZAJ+15].

Computing
ACP01, BHK14, CCW93, DLSCS08, DEM96, FCJ07, FLG15, FL16, GOMP98, HBLM11, LWS+15, LPS+13, PYW14, PV06, SS19, YYL+19, ZWL+18, BFH+04, CWW13b, OK10, PNH+14, SCS+08, YPB16. Concatenative [AJM12].

Concept


Constraints [YCP16]. Constraint [BD86, CH07, GAR20, Sha03, BML+14, HK12, JASR99, KH14, SAZK06, WG09]. Constraint-Based [BD86, CH07, Sha03]. Constraint-Solving [JASR99]. Constraints [FH97, Gol84, KF93, RHW94, SW14, TQ94, AFC+10, BGFAO17, HSG+19, HZ82, IOI05, JTCW07, KOOP11, SVTSH14, XLC+16, YLO8, YYY+12a]. ConstructAide [KGFF14]. Constructing [LFXH17, MHS+19, KSG03]. Construction [AFH20, FG90, HJS+14, LMAH+18, SH07, SB95, WLY+16, BO04, BLTD16, CCG+04, DS15, DPK11, DFM13, FZLM11, IIM12, KGFF14, LXFH15, LVS+13, WWT+06, WG09, XK07, YZ04, ZM11, ZHGW08, vTSSH13]. Constructions [DB88]. Constructive [CCK92, FH97, JASR99, LDF14]. Constructor [VKJ+17]. Consumer [CKH18, LWC14, ZWN+14, ZK14]. Contact [ER18, KL17a, MHNT15, MLPP09, PAK+19, TFD+18, AVGT12, AFC+10, BLT+15, BFA02, DJBDDT13, GHF+18].


HVS+09, JTL+12, JGT17, JLF+09, KJM10, KL17b, KSJP08, KP03, LLJ+11, LDN+18, LFS+20, LYvdP+10, LCB+18, LJBBD20, MZS+11, MTP12, MTWKT13, PRWH+18, SIZK20, TOK14, VBG+13, YL12, ZJ11.

Contact-aware [MLPP09].

contact-invariant [MTP12, MWTK13].

contact-rich [LYvdP+10].

contact-space [JTL+12].

Content [KSP13, LHKR10, LGJA09, THKM13, ZQCL19, AFR+07, AS07, BLDA11, CAA09, HDGN17, MRC05, WWOH08, XLZ+10].

Content-adaptive [KSP13, LHKR10, THKM13, BLDA11].

Content-aware [ZQCL19, AS07].

content-based [MRC05].

Content-preserving [LGJA09, CAA09].

Contention [HC86].

Context [FH10, HTG14, LGG+07, SAC04, HZvK+15, KP18, LMS13, LSD+16, PKM+11, WLP16, MGT+03].

Context-aware [LG07+07, KP18, LSD+16, WLP16].

Context-based [MRC05].

Contextual [CLW+14, XMM+14].

Contingent [KAW20, ATM+17, MSM+17].

continua [NO13].

Continuation [YCBvdP08].

Continuity [BS88, DB88, GP09, SYSP14, Far89, HH10, HB89, Pot91].

Continuous [KP03, LW+12, MM08, PP03, PMA+14, RPWO18, SMP03, Spi93, SHD+14, TMOT12, TLS14, YIC+14, ZRLK07, ZLW+16, BGSF10, BEB12, DTP15, Koul16, Lev06, OLGM11, PRJ+13, SMGH18, TMY+11, TTWM14, TBC+16, TLP07, TFC+13, Wan14, WHKI7, WLH+13].

continuously [TDM5+16, ZIT+18].

Continuum [TCP06, YSB+15, BB16, MSW+09, WFL+19, YSC+18].

contoning [BV+17a].

Contour [DLTW90, Zyd88, PV06, VMT06].

contouring [BGOS06, JLSW02].

Contours [EPO91, MSS92, BHK14, DFRS03, SPO10].

contraction [ATC+08].

contraptions [RCLM19].

Contrast [MC92, DRE+12, HSHF10, STTP14, THG99, TAKW+19].

Contributing [BDD11].

Control [BB83, BSM88, BVF17b, DLG09, EHSN20, H187, LHJ+14, L1V6, LH17a, PM17b, SLLST14, AVF17, BP08, Bsp09, CH05, CWC11, CS19, CBvdP09, CBvdP10, DZS08, DKNY08, HYL12, HRL15, HGG+11, HsvTP12, HKS17, HHC+19, HZM+08, IZW10, ITM+14, JL17b, JWL+13, KLL+07, KCD09, LCR+02, LT06, LKL10, LES10, LPKL14, LYP+18, LLI18, LPLL19, LWH+12, LC15, LvdP+10, LvdPG12, LYG13, LH17b, MTP+18, MZS09, MTPS04, MLPP09, MMP11, NZC+18, OHB+11, P17a, PEO3, RSH+05a, RTK+15, RCOLO9, RJN16, SSB+15, SBR+15, SJJ12, SGM+16, SH08, SMD+15, TMAPS03, TLP07, TJ07, VSH12, WMZ+13, WWH04, WPKL17, WPL18, WGH20, cWP10, XYY13, YL10, YLvdP07, YHZ+14, ZKKS18, ZZMC13, dSFPD09].

Controllable [SY05, SG01, WG10, XCL14, LH05, LSCC20, MDLW15, Pot91, TIAI07].

Controlled [CCW93, MZ13, AHD15, An03, ESCK16, FSH11a, HSD13, HZCJ17].

Controlled-distortion [MZ13].

Controller [AFP+95, GLa90, BGS4, XD+19].

Controller-Based [AFP+95].

controllers [CHP07, LLP09, LKTK10, LLKP11, LZCV20, MTA+20, MK16, WFIH09, WFIH10, WHDK12, dLMH10].

Controlling [JL11a, KABL14, KH17a, RMGH15, KH17b].

conventional [LFDPF07].

Convergence [SJ17].

conversational [SDO+04].

conversations [EM04].

Conversion [RWW90, SV93, DIP+18, KDW+17].

Converting [LOMI11, EPD09].

Convex [Day90, MPB17a, TM84, BDD11, BLTD16, FLSG14, HZ82, MDF+16, MPB17b, MCK13, TLJP18].

Convexity [FK+14, AAM9, L1W6].

conveying [DFRS03].
LLDD09, NFA+15, PSNB13, PO18].

Convolutional [GZC15, 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, LJH13a, LLSCO05, PBH15, TMB18, YL08, ZDL+14, LLC08]. coordination [YLNP12]. Cope [EM90]. copy [LvBK+10].
core [CGG+04, IG03, NNSM07, SCS+08, SBZ09, WWS+05, WHY+13]. CoreCavity [NAI+18]. cores [YLJ18]. Corner [Ros20].
Corner-operated [Ros20]. corners [LD06].
corotational [HLSO12, TREO16].
corrected [WKR99]. Correcting [HLBR12, HWBR14, KLF+19, RMD12, WFDH18].
correction [KPB+12, MMH+17].
Corrective [GZW+16, SP09]. correctives [LYYB13].
correlated [GCH+19, JAG18].
Correlation [GNHM15, CHWH17, FKY08, ÖG12].
Correlation-Based [GNHM15].
Correlations [SCO17b, SCO17a].
Correspondence [Sah18, ALs+18, AXZ+15, BSFG09, HSLG11, LF09, SPKS16, ZYL+17].
Correspondences [HL+19, HKC+18, KLM+12, LMS13, RPW018, TMRL14, TBC+16].
Corrigenda [Bak94, LR91, RO87, WC91].
Corrigendum [Ano90a, BK87, Pat87, RY93, VV95].
cosines [HDHN16]. Cost [WWY+13, LDS02, MCE+17].
Cost-effective [WWY+13]. COTS [Ros20].
Coulomb [BDCDA11, DBBD11]. couple [CZ17]. Coupled [BBN+12, CMZP14, DAB15, FQL+20, XHS+15].
Coupling [GPB+19, GSLF05, ANZS18, AIA+12, BBB07, DF20, HLW+12, HFG+18, IGLF06, LCD+20, NGL10, RMSG+08, TLK16, YMR+13, YSC+18].
couture [UKIG11]. covariance [BSS+13].
covariances [KEE13]. Covariant [LTDD16]. covers [MGA+17].
CPU [WWB+14, WQS+20]. CPUs [BSL+16].
crack [FFB+09]. crack-free [FFB+09].
cracking [PNDJO14]. crafting [ILB15].
create [BDM09, BL15]. created [HRE+08].
Creating [KLY+14, KLF+19, LCK+14, SHOW02, War92, XYH+18, FNdD82, SDO+04, XLS+11, ZHG+16].
Creation [GHCG17, ALX+14, HDGN17, IBP15, JKT+15, LZ04, LFB+13, NKA08, GRG04].
creativity [CK10]. creatures [GvdPvdS13, GPD+18, MTN+15, TGTL11, WLP18].
CRFs [ST16]. critical [Hub96]. crop [WLSL10]. crop-and-warp [WLSL10].
Cross [KSD04b, ZVC+20, ALs+18, ACBC017, BVG11, FBC18, HTWB11, HZCJ17, NCVM005, PPTSH14, SBS12, SMGE11, ZHCJ15].
cross-domain [ALS+18, SMGE11]. cross-frame [HTWB11].
cross-parameterization [KSD04b].
cross-section [SBS12].
cross-sections [BVG11, HZCJ17, ZHCJ15].
crossing [AG05]. crossing-based [AG05].
CrossLink [HOM15]. CrossShade [SBS12]. CrossY [AG05].
Crowd [FYY+16]. Crowd [KSD04b, KSHG18, DHO005, GvdBL+12, HXZW20, HOK16, KSN17, KSKL14, MLD+08, NGCL09, OPOD10, WLP16].
Crowd-driven [FYY+16]. crowds [JCP+10, KSN17, KSI17, KOOP11, MLH+09, TCP06].
crowdshaping [SQRH+16]. crowdsourced [OLAH14].
crowdsourcing [LFT13, ZAE+14]. CRT [MC92].
Crumpling [CLG+16, SRH+15, NPO13]. Crystals [Ste20, WW08].
cSculpt [CSTP16]. CSG [DIP+18, Jan91, RV89, SV93].
CT [ZJMB11].
cubature [AKJ08]. Cubes [LEQ+07].
Cubic [BCX95, BHN98, Hob91, Kla91a, Kla91b, LJH13a, PP93, vW84, GI04, Joe89, LJG14, SD89]. cubic-order [GI04].
Cubics [Kla94]. cuboid [SMZ+14, ZCC+12]. Cues
PMW+08, PK05, PXW18, PZ17, PRM14, PSG+06, PMPHB17, PWLSH13, RAWV08, RSL16, RSI+08, RID10, RDI10, RMD12. D [RHHL02, RMBB+13, SS14, SHM+18, SCH+14, SLV+13, SSGS11, SKSK09, SBR+15, SHL+17, SF07, SHn92, SSS+08, SARW+15, SSS06, SDW+16, SVB+12, SQRH+16, SRB+19, SSK+17, TDL+18, TD16, TMD11, TMB18, TS08, TFK+03, TMB14, UTB+19, VCC+15, VSHJ12, WBF+17a, WBF+17b, WAO+09, WYY+13, WGW+13, WSSC16, WLG+17, WSTL18, WSH+18, WLX+18, WKA18, WXL17, WLR11, WDB+07, WSW+12, WZQ+18, WW+19, XLF+11, XIAP+17, XLJ+09, XZT+09, XZZ+11, ZCC12, XCF+13, XCS+14, XSZ+16, Y117, YSL+14, YMRD15, YSC+16, YLJ18, YWS+11, YLC+20, YKC+16, YZL+18, YWSH16, ZLP+15, ZAC+17, ZWW+18, ZWK14, ZSW+10, ZSMS14, ZK14, Zho18, ZZZ13, ZNI+14, ZPKG02. D-aware [LWCT14, YWS+11]. D-modeling [TS08]. D-printable [KSS+15, LBMR12, MTN+15]. D-printing [CCA+12]. D-shape [WWL+19]. D-to-dec [GIZ09]. DAGs [KSA13]. damage [WFL+19, WCL+20]. damping [XB17]. Dapper [CGL+15]. Dappled [VRA+07]. Dark [JGC+15, KF09]. Darkroom [HBD+14]. DART [MGDD05]. Darts [MEA+18, EPM+14]. Data [CK10, CLSM15, CT17, Fol87, GLL+16, HFL14, JHS12, JW3+13, KNS+09, KPMP+17, LJS+15, LKL10, Lev90, LCOL10, LCX16, MTP+15, NRS15, PH08, RO85, SPDF13, SMG11, SKAG15, Tea15, WYW+10, WOR11, AA09, ACP02, BCG05, BKR+05, Chel13, CLW+14, CLS03, DH06, FK08, FCGB08, Hol18, HDK07, JLB05, JLSW02, KHS03, KG04, LBK09, LCR+02, CL06, LSK+06, LGZ+13, LGF04, MUB15, MPBM03, MRC05, RPE+05, SNF05, SIII18b, SKL07, SJP18, TZW+11, WAO+09, WWS+05, WLL+14, WSL13, ZCW+17, ZLE14, JTCW07, RO87]. Data-Driven [GLL+16, NRS15, Tsa15, CK10, CLSM15, CT17, HFL14, JHS12, JW3+13, KNS+09, KPMP+17, LJS+15, LKL10, LCOD10, LCX16, MTP+15, PH08, SPDF13, SMG11, SKAG15, WYW+10, WOR11, MUB15, MPBM03, RPE+05, SIII18b, SJP18, WLL+14, WSL13, ZCW+17, JTCW07].

decompositions [FFLS08, MM+17, MCK13].
deconvolution [KWB+13, YSQ08].

Decorative [YKGA17a, LBW+14, YKGA17b].
decorator [CXY+15].
decors [CML+17].
Decoupled [RKLC+11, CTM13].
Decoupling [RKAP+12, SHD+18, WYL+14, LFJG17].

Deducing [LYLL08]. Deep
DeepMimic [PALvdP18].
DeepSketch2Face [HGY17]. DeepToF [MHH+17].
Defending [Wan14]. Deferred [TZN+19, CTM13].
deficiencies [SMH16].
Defined [Kaj83, vWS4]. Defining [AKO4, HLV+17a, HLV+17b].
Definition [vOV96].
defocused [MMP+15].
Deformable [BdSP09, BC14, CMT+12, MEM+19, PM18, VJ19, BJO5, BSG12, CFV13, DSP06, DLI+18, FGBP11, GKD+05, GSLF05, HSvTP12, HNB+06, IM10, ISF07, JF03, JP04, KJO9, KP11b, MCC09, MB12, NKF09, PYW14, RMSG+08, SvtSH14, STC+13, SLS05, SGG+06, WBS07, WMW15, XWy+09, YLX+15, ZBYX19, vTSSH13].
deformables [KBT17].
Deformation [AXZ+15, BSB16, CO19, GLL+16, GPHSH19, JS11, JWJ+14, LLF+20, SP04, WWY+15, ZYL+17, ACP02, BOD08, BVP09, BZ11, BCWG09, BBO+10, BSB17, BWK511, BJD+12, CW17, CsvRV18, FH07, FKY08, FYK10, GB08a, GYQ+18, GPC13, HSL+06, JBP11, JP02, Jam20, JTSB16, LFS+20, MJ+08, NFA+15, NVW+13, POB09, PH06, PH08, RS98, RTD+10, RJ07, SMP03, SMW06, SYBF06, SZT+07, SSP07, VBG+13, WJBK15, WG10, WY04, WBGB16, YK14, YCHK15, ZHS+05, ZPBK17].
Deformation-driven [AXZ+15, ZYL+17, MJ+08].
Deformations [BR94, AKJ08, CGC+02, CPSS10, CPS15, HZ13, JJvD+08, KG05, LKF12, MZL+17, MJB02, MHTG05, TMDK15, VW15, Wam16, ZJ12, vFTS06].
deformers [KS12, PMS12].
Deforming [WTGT09, KG06, SS+20, SSW+13, TMY+11, XZY+07, ZIT+18, ZIT+19].
Degenerate [EM90, FNO89].
degenerations [GPSZ11].
Degree [Sei93, SJ94, CAS09, CLS85, PU06].
degree-raising [CLS85].
Dehazing [Fat14, Fat08].
Delaunay [BSTY15, FAB+18, ILSS06, KLN91, LXFH15, LFXH17, TWAD09, YLMH18].
Delay [AMN03]. Delayed [RLLG+20].
delta [LL19].
Demarcating [KST08].
demonstration [GAL+09]. demosaciking [GCPD16].
Denoising [VR+18, BVM+17, CKS+17, FDCC03, GCPD16, GLA+19, HS13, Hol18, LYT+14, WLT16].
Dense [HLC+19, SB95, ZK13, BNB13, CKS18, DXZ+19, HSL11, KRF+18, LD13, NGC09, OCH+16, XIAP+17].
dense-weight [LD13].
Densely [YSHWSH16].
densification [HK18b].
density [DLC+15, DJBJ19, Fat11, GHV+18, HJJ10, WHSC07].
departures [WDW+15].
Dependency [GF82].
Dependent [YSB+15, WWT+03].
depict [CSD+09].
Depicting [GSLM+08, LMPB+13, RBD06].
depiction [TDR+12, VBP+09a].
Depixelizing [KL11].
deployable [PKL+19].
deployment [KLPC18].
Depth [CDSHD13, CSN+12, Jan01, LES09, LKE18, VKB+18, AHAM15, BGK16, BCN08, BHR13, BBO01, CZL+15a, CZN10, FKI+14, FG11, GWM+08, HLH09, HK18b, JTL+12, KHKR11, LSR18, LFDF07, LHG+09, LCD06, MCC00, MDB+19, PZM13, RTF+04].
STXJ15, SDP+18, SSD+09a, SHM+14, TK14, WGI+18, WSI+18, WZC12, WM03, WZN+14, XSZ+16, ZSZ+14, ZK14.

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

**Depth-Order** [Jan91]. **Depth-presorted** [CSN+12]. **depth-sensing** [ILHR09].

**Depths** [Che92]. **Deringing** [WKR99].

**derivation** [WKR99]. **Derivative** [LTD16, LC96]. **Derivatives** [AOCBC15, OKRC10].

**Descent** [Wy16, YLYW18]. **describing** [KP18].

**Description** [dFP95]. **descriptive** [GSV+17]. **Descriptor** [MOR+18, GMW16, HzvK+15, KSH+16, SvKK+11].

**descriptor-space** [SVKK+11]. **Descriptors** [HKC+18, CT17, TD16]. **DESL** [WP18].

**Design** [Bi92, BG98b, BWSS12, BBO+10, BR94, BSBC12, BAC+18, Cas91, FSDH07, GDAB+17a, Gol84, Gol85a, JTSW17, LDTD16, LHVT17a, Mac86, PPV95, PTC+15, RHW94, SSL+14, SW14, SG91, TBWP16, VHWP12, XZM+18, XLCB15, YGKAI7a, AMG+18, AMG+19, AHB18, ACBCO17, BB15, BCC17, BLT+15, CK14b, CZXX14, CLSM15, CLMK17, CPWAP08, CTN+13, DLD+15, DSZ+16, DYYT15, FYY+16, GDAB+17b, GSFD+14, GJG16, GP0+18, GS+17, HJ12, KPO9, KP10, KCD+16, KSS+15, KSSI17, KAMJ05, LSD+16, LWS+18, LXW+11, LZF+19, LkvwK+14, LHVT17b, LCDB+18, MZL+17, MGDDB05, MPBC16, MFI+18, MDLW15, MSS+19, MZD05, MTN+15, MZB+17, MLS+11, MMT18, MLB16, MIW16, MI07, PZ07, PRK+17, PTG02, PYB+16, POT17, PTV+17, RVL08, RRS13, SXZ+17, SWC+18, STTP14, STC+13, SCGT15, SWT+17, SZ15, TGY+09, TCG+14, UBW99, UMK17, UIM12, UKSI14, UPSW16, UB18].

**design** [VABW09, VGDA+12, VBFG12, WJBK15, WCPM18, WLM+15, WDR11, WDR13, XSZB15, XBJ17, XKCB18, XDF+19, YWVW13, YGKA17b, YC17, ZKB17, ZMT06, ZFS+19, ZQCL19].

**Design-driven** [BWSS12]. **Designing** [APR+03, CL+13, PBB13, PPW18, RCLM19, STK+14, ZCT16, Coh87, JRT+15, NISA07, ONOI04, WSP18]. **designs** [CKX+08, DFL+15, LHY+15, PKM+11, PCLC16, ZCL18].

**desired** [BBO+10, MZL+17, ZKBT17].

**desktop** [LRFN04]. **destination** [KAB+10].

**Detail** [FH07, HK10a, MZL].

**Describing** [HLHR09].

**Descriptive** [BBK+15, EB14, AFO05, DKH+10, GVWT13, GMP+06, KMB+09, YL12].

**Details** [Bae18, BC18, Bou18, Cor18, Did18, Gup18, Hac18, Iza18, JCW09b, Kal18, Kan18, Kim18, Lan18, Lee18, Lip18, Liu18, Mit18, Pan18, Rit18, Ter18, Wan18b, Xu18, Zha18, Zho18, Zhu18a, Zhu18b].

**Detection** [LYF+20, RV89, BEB12, CMZP14, DAG15, GJ+05, Hub96, JP04, MSK06, Mic98, MG06, RTF+04, SPO10, TTM14, Wan14, WLH+13, XZJ+12, YNS19, ZLRL07].

**Detections** [NY94]. **Determination** [EM96, JTMW20, SFN05].

**deterministic** [GGY18].

**deterministic-stochastic** [GGY18].

**Developability** [SGC18].

**Development** [JHR+15, RSH18a, SRH+15, TBWP16, EB08, KCD+16, LPW+06].

**Development** [WW82, HFT+17].

**Developmental** [PNH+14].

**Deviation** [WDW+15].

**Device** [GFMS95, GMP+16, JHG4].

**Device-Directed** [GFMS95].

**Devices** [LMR83, NKK+14, RV83, HHG13, XBZ19].

**Dexterous** [LYP+18, HMT+15].

**Dextrous** [Liu09].

**DFlow** [DTP15].

**Diagrams**
[LFXH17, AGL+17, GS85, IOO105, LACS08, MHSI18, SGG+06, XLC+16, dGWH+15].
dictionaries [GZB+13, MWBR13]. dictionary [XZZ+14].
diff [BDG15]. difference [CHWH17, GWAB19, HRV97]. Differences [VMKK00, WGY+18, BDG15, ROA+13].
Differentiating [Kla91b, Kla94, Rap91].
differentiate [SPDF13]. Differentiable [CKH18, Day90, EM94, Gla90, KM97, MEA+18, OF01, AGDL09, BB091, BJ17, Boi84, CH05, COSL98, EPM+14, GO12, IGLF06, JSMH12, LWI+12, MSRB07, MdLH10, SHP04, Ten20, UB18, WWS+05, ZWL+18]. dimensionally [GMP09]. Dimensions [WF06]. DINUS [MFR+10].
Dip [AKZ+17]. Dipole [FKH14, FD17]. Direct [HPB06, Jac86, KTBO7, LL19, SB95, SF09, SWZ96, ZHX+07, BSK+16, MIB15, NKGR06, SILN11, VKK18, Bly06].
Direct-Manipulation [Jac86]. Direct-to-indirect [HPB06]. Directable [HG09, BMWG07]. Directed [GFMS95, BKLP16, MTP+18, PRMG16, SRL+15].
Directing [GLC+18, PCLC16, CLC14]. Direction [RS14b, TWLT19, BMSG09, GI04, KCPS13, LXW+11, FS04, RVLL08, VdAL09, ZLP+15].
Directional [CRG+20, CV20, FHK14, Pag98, EDR11, KWN+17, MUB15, PO18, RS18, SV19, WLRH12]. directly [KMM+02]. dirty [GRBN09]. DISCO [GLL+04, JGN16]. Discontinuity [ZQPM12, HFG+18]. Discontinuity-aware [ZQPM12]. Discontinuous [HK05, CBW+18, EB14].
Discovering [NRH17, PMV+08, BLPW14, LW+11, WL16]. Discovery [HGM14, MTP12].
discrepancy [APC+16, DEM96]. Discrete [AFH20, AW11, AHC17a, AOCBC15, BUAG12, BWR+08, BAV+10, ESBC19, FW12, JHY+14, KSS06, LTDD16, MWT11, Mal89, MOR+18, MGP10, RHSH18a, Tau94, TLHD03, AHC17b, ABA02, CPS11, DBGW15, LCCS18, LZH+17, QHY+16, RHSH18b, SGW06, SS10b, SRGB14, SGG+06, VBCG10, XW09, YWH13, YXH14, YSC+18]. discriminative [ARS14]. disk [BWWM10, EDP+11, EBJ+06, GM09, Wei08, YW13, DH06]. Disney [BAC+18].
disparity [DRE+11, DRE+12, FKN17, KDM+16, LHW+10]. dispersed [KSVK10]. Dispersion [CMT+16, CT05]. Displaced [CHZ14]. Displacement [BvdPPH11, Roe89, DHI+13, HFG+18, MJC+08, NFA+15, NL13, WWT+03, WZYR19, YHCOZ18].
displacement-mapped [WZYR19].
Display [DVC09, Jan91, JGN16, LMR83, MDK08, PRM14, RO85, RO87, SBSH18, WK95, Zyd88, AWGB04, ALK+17, BNK10, BSW02, BGB+05, DER+10, Di18, D02b, EDP+16, FH04b, FRS19, GZL14, GWN+03].
HWBR14, JBM+17, JBL18, JMY+07, KYS+15, KJS+19, Kou16, KKB+11, LWH+11, LCS05, LTO+15, MWH+13, MP04, NBB04, PMOR10, SMg+05, SHS+04, SST+83, TFK+03, THG99, YJ+14, ZN06].

Display-Camera [JGN16]. displaying [SDIN18]. Displays [Dun83, VN85, AFR+07, BF12, CB04, CKS18, DSAF+13, DDD+14, FRSL08, GWH05, HWHR13, HLR+14, HLRB12, HWBR14, HCW15, HPK+17, KPM+17, KBB17, LHKK10, LL13, LJM+16, MLR+14, MK17, MS05, MFL17, MSM+17, NAB+15, POAR12, SLV+13, SHK+17, TDMS16, WLHR11, WLHR12, XKF+18].

dissections [DDT17]. dissipative [BOFN18]. Distance [MPB17a, PP94, COSL98, CWW13b, HC010, KvKSHCO15, LRF10, LCF10, MWH+09, MB17b, TLK09, TTT+17, WPL06, WDB+08, Xia97, ZDI+15].

distances [AWG04, SRGB14, SdG+15]. Distinctive [LYF+20, SF07, LRFN04].

distinctiveness [HRZ+13]. Distortion [LYP+14, SL19, SDK19, SJW20, AL13, APL14, CKWB13, CW15, CWW16, CLW16, KLS03, KABL15, LW16, Lip12, MZ13, PTH+17, SD02, TBTS08, ZBK18].

Distortion-free [SL19].

distortions [VR+13, WFD18]. Distributed [KSH10, LN84]. Distributing [MSQ+18].

Distribution [YMR15, HDCD15, HHA+10, LD05, LAC+11, MYRD14].

Distribution [PP94]. distributions [BSD09, DHB17, OFCD02, ÔG12, XH18, YHM16].

diverse [WLO+14, WGH20, XZCC12]. divide [Mor11].
divide-and-conquer [Mor11].

division [ABJN85]. Dlite [HDGN17]. Do [AFR+07, CGL+08, CSD+09, EH12, JMB+14, WKHA18].

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, ALDL17, BPE17, BZCC10, BDT+08, FLW02, GNS+12, GSV+18, HSIRG07, HSL+06, KHO8, KSH10, KMA+15, KHL19, KLS+13, LKL+13, Lv03, MRK+14, MKD+16, MP08, PK18, SMGE11, WJ19, WJ11, XZY+07, YWW+13, ZLC+13].

domains [HZC17, SdG+15, TPP+11, WMW15].

dome [HW12].

dominant [SRUL16, GJTP17, SPGT18, SRUL17].

dominate [EMO10].
doodles [TBV10].

dooper [HWW15, WKR99].

Dot [Knu87].

Dots [LKvK14].

Double [DBW15, RY92, SR09, MFR+10].

double-step [RS09].

Downsampling [ZWR16].

downscaling [GO17, KSP13, ÔG15, WW+16].

Drag [JST17].

Drag-and-drop [JST17].

dragon [WPKL17].

draw [CGL+08].

drawing [Bli82, DH96, KIA91, VN85, AG05, FLB16, FTP03, Gal99, GTD10, JDA07, KMM+07, KKS+09, KLKL13, LCTC13, LBW+14, PLKD18, SKSK09, Spr82].

Drawings [BCV15, BS19, BV16, BKR+05, CSD+09, FZLM11, LMLH07, LRS18, NSX+11, NJS+13, RRS19, VA88].

drawn [JSMH12, SBH16, SKC+14, WXY15].

dress [CYT+18].

dressing [CTTL15, CYT+18, GRH+12].

DressUp [YYTC12].

dribbling [HIC+19, LH18].

Driven [GLL+16, JSSH15, NRS15, Tsa15, Aca07, AXZ+15, AJM12, BS+16, BDM09, BWS12, CTFP05, CGC+02, CK10, CLSM15, CT17, DF20, FL04, FKY08, FYY+16, HDS+18, HSW+13, HYG+13, HFL14, JWW+20, JHS12, JWL+13, KNS+09, KAL+17, KYS+15, KP11b, KPMP+17, LJS+15, LS02, LD17, LKL10, LTK09, LCODL08, LYGC15, LTO, LYG13, LXC+15, LXC16, MJC+08, MLZ+16, MPF+18, MTP+15, MUB15,}
MPBM03, NHS+13, PH08, PSF09, PL07, RPE+05, ST14, SPDF13, SMGE11, SSSI18b, SJR18, SKAG15, VK16, WYW+10, WOR11, WLL+14, WSL13, WSL+14, XZZ+11, XSZ+16, YHZ+14, ZCW+17, ZXL+18, ZYL+17, JTCW07, Driving [FJA+14].
dual-space [LAKL11]. ductile [OBH02]. due [GRBN09]. during [DYT05, HRvdP04, MBF04]. dust [OHR14].
Dyadic [KBZ15]. Dyna [PMRMB15].
Dynamic [ASP07, AMMS08, BAM14, BSM+07, CWW+13a, CM10, DGH16, DJ18a, HL14, IBP15, Kal14, KH17a, LCTS05, MLWLT13, PBvdP15, SLR+16, TQ94, VPB+09b, WSL+19, WRK+10, Wu92, WS17a, XWW+14, YPG01, ZIH+11, ZMC05, AD+08, BBB+14, BI08, CH14, CWW+16, CCWL18, CGC+02, CH07, CZ11, DJBDT10, DJBD21, DHHW+11, DD02b, FLW02, GVWT13, GRB+18, HSG+16, HKAK16, JP02, JF03, JSB+10, KSB+13, KR17, KNS+09, KUWS03, KYYL08, KFC06, KLF+19, KH17b, LWH+11, LSA05, LLV+12, LP02, LYvdP12, LNWB03, LSS+19, MRK+13, MKMS04, MEMS06, MP04, MWI18, MLPP09, MK16, MCK13, MCHAM96, Mus13, NSX+18, NHAH03, PBB15, PBY17, PMRBM15, RSM+10a, RWS+06, RAJ06, SHS+04, SKY+12, SQZ+08, SQT+15, SKS02, SKK+12, SKB+14, SJLP11, SM06, SZC+07, SZS+08, SPW+18, TAHEL07, TPWG02, Van06, VBL05, WBS07, WRG+09, WLHR11, WFL+19, WS17b, YPB16].
dynamic [YL08, JWZ+16, ZHL+05].
Dynamical [LCCS18]. dynamically [KJS+19].
dynamically-foveated [KJS+19].
Dynamics [CLMK17, MEM+19, MHNT15, BKL16, BWRB05, BAC+06, BML+14, BEH18, DBBD11, DY03, DKNY08, Erl07, FTP16, GvdBL+12, ISN+20, KEP05, KPH18, KLV20, LT08, LLS+15, LFS+20, LC16, LJBBD20, NGCL09, RGL05, Ten20, TNGF15, TJ07, Van15, WWB+19, WP12, WST09, X16, ZSZ+14, ZPBK17].
Dynamics-aware [CLMK17]. dynamism [LJH13b]. DyRT [JP02].

Earth [SRGB14]. Easily [LZCX19]. Easy [Pet95, RKAP+12, SFG+13]. EasyFont [LZCX19]. Ebb [BSL+16]. ecosystem [CGG+17]. ecosystems [MHS+19]. Edge [FFLS08, Fat09a, FCA09, HWG+13, KRK11, SGM12, SSD09b, WWT+06, BHY15, CPD07, FFL10, Fat07, GO11, HHF+19, KTY09, LADE18, LSVT15, PHK11, RTF+04, WSM11]. Edge-avoiding [Fat09a].
Edge-aware [HWG+13, KRK11, CPD07, FFL10, GO11, PHK11]. Edge-based [FCA09, KTY09]. edge-cone [LSVT15].
Edge-guided [SGM12]. Edge-preserving [FFLS08, SSD09b, HYL15]. edgebreaker [AFS03]. edges [BWG03, LD06, Nai98, SNCH08, WXLY17].
Edit [GJWW14, AP08, CZZT12, SGMCO09, JMB+14, KvKSH015, XLJ+09]. editable [CZS+13, EPD09]. Editing [BL18, BBA15, JSSH15, JHZ07, KGO6, LZKW10, SDN18, SSSH17, AYL+12, APS+14, AFTCO07, BCT15, BPK+13, BSG12, BSFG09, BC02, BSK+16, BAOR06, BAER08, BSHK04, BMBZ02, BWSK12, BST+14, Bou18, BD02b, CZM+10, CBL+16, CSR10, DTP15, DCP14a, DDTP15, FH04a, FH07, FFL10, FTZ+19, GZ08, GS06, HR13, HSK16, HXZ+13, IDN12,
SSL$^{+14}$, VSLD13, Wam16, WZT$^{+08b}$, WPKL17, XUC$^{+14}$]. **Example-Based**
[ST16, WHHY20, BSSP13, DBB$^{+17}$, FJS$^{+17}$, FRX$^{+12}$, JTSB16, LWP10, MTGG11, SDKN18, SZT$^{+08}$, WYZG09, WHRO10, WYX11, XB17, AVB08, DLKS18, EVC$^{+15}$, FJL$^{+16}$, GDG$^{+17}$, KEBK05, LYFD12, LFB$^{+13}$, Wam16, WZT$^{+08b}$, XUC$^{+14}$]. **Example-driven** [JWW$^{+20}$].
**Example-guided** [RYL13, PALvdP18, WPKL17]. **Examples** [Gol85a, AF02, FF11, MLN14, LDBF13, MG03, RTK$^{+15}$]. **excess** [WHDS04].
**exchange** [ZLB16a], **exemplar** [HCL$^{+18}$], **exemplar-based** [HCL$^{+18}$], **Exemplars** [DBP$^{+15}$, KFCO$^{+07}$]. **exhaustive** [KKN$^{+13}$]. **existing** [EKA84]. **expanded** [JBL18]. **Expanding** [LM97]. **Expansion** [BVF17b, AVF17, DSAG$^{+13}$, ZZB$^{+18}$].
**Expansions** [BXH$^{+18}$]. **Expediting** [YLX$^{+15}$]. **Experience** [AFP$^{+95}$, JGC$^{+15}$].
**experiences** [MGDB05, SPGI13].
**Experimental** [BBB$^{+93}$, MRC$^{+86}$, SCB87, AJD$^{+10}$, FNd82, KKN$^{+14}$]. **Experiments** [GHCC88]. **Explicit** [RSBM19]. **exploded** [LAC08]. **Exploiting** [PKH$^{+17a}$, PKH$^{+17b}$, YRPF09].
**Exploration** [OLG11, BBPP10, DL$^{+15}$, HFF16, JM12, LZO4, MGDB05, MVH$^{+17}$, ROA$^{+13}$, SXZ$^{+17}$, SWC$^{+18}$, UIM12, YYPMM11, ZLE14]. **Exploratory** [OLAH14, TGY$^{+09}$]. **Exploring** [KSSGS11, KLM$^{+12}$, PBJSW14, BYMW13, GBLM16, HWG14, SSS06, TKT12, YRPF09].
**explosions** [FOA03, SRF05, YY17].
**Exponential** [MSW14, BRM$^{+18}$, SGW06].
**exponentiation** [RWS$^{+06}$]. **Exposing** [KOF13, KOFO14, 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** [BN10, MRF06, ANZS18, CZN10, KWK09, SDP$^{+18}$, KBT17]. **Extending** [HGF14, RT90]. **extensible** [HFF18].
**Extension** [DS92, AM18, BB17, HPJ12, LHG$^{+09}$, PSF09, XLC$^{+16}$, ZLC$^{+13}$].
**extensions** [NM16]. **Exterior** [SW14, dGMDM16]. **Exteriors** [FW16].
**Extracting** [BCN80, CZS$^{+13}$, HZG$^{+12}$, NGH04, TOS$^{+03}$]. **Extraction** [ULP$^{+15}$, ATC$^{+08}$, EBCK13, KGO4, LLW17, SAA$^{+16}$, LKB16, RKB04, TZZC09, XYY12, ZTS09].
**extraordinary** [CADS09]. **Extrapolation** [LLK$^{+19}$, Lév03, WLL$^{+14}$, ZM13]. **extrema** [SSD09b]. **extreme** [DDSD03, ZPBK17].
**Extrinsic** [CSBC$^{+17a}$, WBCPS19, CSBC$^{+17b}$].
**Extrusion** [HSST10]. **extrusions** [KW11].
**Eye** [MLH$^{+09}$, ALK$^{+17}$, BBGB16, CLS$^{+17}$, Dee05, HCW15, JBM$^{+17}$, JBL18, JLF$^{+09}$, KPM$^{+17}$, LSL$^{+18}$, LL13, MKG17, SHL$^{+17}$, SRL$^{+15}$, TDM$^{+14}$, WSX16]. **eye-box** [JBL18]. **Eye-catching** [MLH$^{+09}$].
**Eyecatch** [YNLP12]. **Eyeglasses** [HWBR14, MLR$^{+14}$]. **Eyeglasses-free** [HWBR14]. **eyelids** [BBK$^{+15}$, WXY17].
**EyeOpener** [SSH17]. **Eyes** [LBB02, NN04, SSSH17, BBN$^{+14}$].
**eyeSelfie** [SRL$^{+15}$]. **EZ** [SLWF14].
**EZ-sketching** [SLWF14].

**Fab** [SSM15]. **Fabric** [GHC17, FBGZ18, KWN$^{+17}$, ZFS$^{+19}$, ZJMB11, ZJMB12].
**Fabricable** [CML$^{+17}$, LFZ18].
**fabricatable** [LOM11]. **Fabricated** [IWHH20]. **Fabricating** [BBJP12, DWP$^{+10}$, LGX$^{+13}$, PRJ$^{+13}$, SDIN18, WPMR09, CLM$^{+13}$, HBLM11, WW13].
**Fabrication** [SMB$^{+19}$, TISM16, BBG$^{+10}$, CZX$^{+16}$, CLMK17, CLF$^{+18}$, EBGB14, HZH$^{+16}$, KCD$^{+16}$, LDPT13, LSD$^{+16}$, LMAH$^{+18}$, MIZL$^{+17}$, Mit18, NAI$^{+18}$, PZM$^{+15}$, PTC$^{+15}$, POT17, PLKD18, PWS13, RMD12, SSL$^{+14}$, SSM15, SDW$^{+16}$, SDX$^{+16}$, SDL$^{+16}$, SDZ$^{+16}$, SLRN17].
CBCG02, CNX+08, COSL98, CNR08, CZN10, FBC18, FRSL08, GJTP17, HWBR14, HTWB11, HWBR14, HCV15, JTPSH15, JBM+17, JFH+15, JMY+07, KWR16, KKKR11, LHKR10, LW+11, LL13, LES09, LJM+16, LAC+11, LALD12, LSR18, LHI+09, LNA+06, LLX+12, LLW+08, LXX+11, MWGZ09, MLR+14, MRK+13, MBWR13, MHP+19, MSOC+19, MPP+14, OHR14, OEE+18, PZ07, PRK+17, RS14a, RVL08, RVAL09, RSL16, SHL+17, SSY+04, SDP+18, SSD+09a, SHK+17, TAV+10, TPP+11, TLHD03, WGI+18, WZK+17, WZS+18, WLM+15, WHR11, WLR12, XNY+16, YJR17, YZX+04, ZGWS02, ZMT06, vFTS06. **Field-aligned** [CPMS14, STJ+17, JTPSH15, MPZ14].

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

**Fields** [AOCBC15, BS19, BSB16, BSEH18, CO19, CV20, IB15, MUH19, OKH+16, PPS20, PLPZ12, SVB17a, YSHW16, ZVC+20, BSB17, CBCG02, DVPSh15, EHDR11, FSDH07, FBS07, GRT13, GCH+19, HLR09, JMB+14, KKH+11, KZP+13, KCP+13, LRAT08, LWH+11, LWB+10, LZC+18, MPPW03, MHP+19, NSR13, PPTSH14, SVB17b, SV19, TTT+17, VRA+07, WWT+06, XYZ+17, ZMS18, ZHL+05]. **Figure** [GM84, AHM+15]. **Figures** [APF+95, ZBB94, WYN+10].

**Filament** [SMB+19, WP10].

**Filament-based** [WP10]. **filigrees** [CZ1+16]. **Filling** [Dun83, LMR83, SH92, TO108]. **film** [HMK+20, ISN+20]. **films** [DBW+15, IYH17, TL04, VBR18]. **filter** [SMH+11, TK05, WDC06, WFL+15].

**filtered** [BCN08]. **Filtering** [LD11, NMLH14, YM1D15, AGDL09, BZCC10, CLKL14, DAFA+13, DD02b, EHGR11, EDR11, GG1N18, GO12, HSRG07, KBS15, MS13, MWR12, MWRD13, MYRD14, Nat98, NMLH11, NM16, RKZ12, SD12, Wei06]. **Filters** [APH+14, BJ10a, KS10, LLMZ16, PHK11].

**final** [GDO4, REG+09]. **Find** [CGM91, Day90]. **Finding** [SSS08, VPR19, CZN+10, TSG+14, ZCJ13]. **Fine** [HSG13, KVSHC10, SDW+16, WZF+18].

**Fine-grained** [HSG13, KVSHC10, WZF+18]. **finger** [GWB05, JHS12]. **Fingertips** [VVC+15].

**finished** [MWAM05]. **Finite** [BC14, SDG+19, BWHT07, CLSM15, GWAB19, ISF07, KTY09, KBT17, LDPS84]. **Finite-Element** [SDG+19, LDPS84]. **fire** [CJ11, HG09, BF02]. **First** [ASN+20, KCS13, SC18a, RB07].

**first-order** [RMB07]. **First-Person** [ASN+20, KCS14]. **Fisher** [ST14]. **fishes** [SHU+16]. **fisheye** [SRC+16]. **Fit** [XZCOC12]. **Fitting** [CG19, CS09, FB95, Pav83, WPL06, LZB16b, FCOS05, Gos00, LWC+11, OLS04].

Five [Ano90b, CCW93]. **Five-Axis** [CCW93]. **Five-Year** [Ano90b]. **fixed** [WZ14]. **flakes** [PLMR17]. **flames** [HSF07, LF02]. **flapping** [JWL+13, WPK17]. **flare** [HESL11]. **Flash** [ED04, SLK06, ARN05, KF09, MDK16, NLG18, PSA+04, RTF+04].

**flash-exposure** [ARN05]. **flat** [EPM+14, GMB17, MP+18]. **flatland** [AR15]. **Flattening** [SC18a, SZ12, SLMB05, SSC18]. **Flesh** [SDK18]. **Flexible** [GLL+16, GvdPvdS13, DML17, GAB20, HST+14, KL20, MPBC16, MTP+18, OBSC+12, PTC+15, STP12, WWB+19]. **FlexISP** [HST+14]. **FlexiStickers** [TT09]. **FlexMaps** [MPI+18]. **FlexiMolds** [MPBC16]. **Flight** [GNM15, GYB18, KZSR16, ABW+17, CHWH17, HHHW15, JWL+13, KWB+13, MMH+17, NZV+11, SHH16, UKSI14, WPK17, cWP03]. **Floating** [FG14]. **Floral** [IOO15]. **Flow** [BSH04, GA20, PLS+15, SS14, SDN18, VBBF16, WSL13, BWHT07, BLR+11].
BHN07, CW13b, CPS13, GGT17, HIK+20,
IYAH17, KySK10, LAD08, LFZ10, LPL+18,
LCD+20, PCLC16, SAL+08, UB18, WJL+20,
XFC18, YWS+11, ZQC+14, vW02.

Flow-based [BSHK04].

Flow-complex-based [SS14]. Flow-guided
[VBBF16, LPL+18]. Flower
[YY114, IOI05]. flowing [NGL10].

FlowRep [GSV+17]. Flows
[HWZ+14, Sta03, YSB+15, Aca07, AHH+08,
AO16, CT17, GPH+18, NFD07, TWGT10,
VBF12]. Fluid
[CFY17b, DLF12, GPB+19, HH16, KFC06,
MTP+18, MSQ+18, MTPS04, ODA015,
RLY+14, SDN18, ZIH+11, ANZ18, AI+12,
AHO16, BGS06, GBFA017, BB07,
BH16, BB12, BHN07, BB10b, CMT04,
CFY17a, DYN03, DKN08, GPB+18,
GNS+12, GAB20, HLI+12, JFA+15,
KPG10, Kim10, KDI3b, LJS+15, LAD08,
LMIH+15, MYH+10, MPE+09, PTC+10,
SK10, TLK16, WST09, WTGT10,
XFC18, XIAP+17, YCR+15, ZNT18,
ZM13, ZBG15a, ZLB16a, ZB05, dGWH+15].

Fluid-Rigid [GPB+19]. fluids [APK07,
AAT13, Ang17, CKPS17, ETK+07, FQL+20,
GB04, GKH12, GTH14, HK05, KGS20,
LMAS16, MM13, NSS+19, PICT15, PTG12,
QZG+19, RMSG+08, TLP06, YJL+16,
YI13, ZB14, ZJ09, ZIFQ15]. Fluorescence
[LCD+19]. Fluorescent [HFI+08].

flattered [RAO06]. flux [ZHRB13]. Fluided
[SS17]. Fly [DNZ+17b, DNZ+17a, LLBB13,
RST+07, VSLD13, XDF+19]. Flycon
[NOP+18]. flying [WLP18]. Foam
[YSB+15, BWD12, KLL+07]. foams
[DBWG15, IYAH17, ML16, MSL17].

Focal [ML17, AWGB04, CKS18, PMOR10,
XM+14]. Focus
[DPW15, MWH+13, HCW15, KHKR11,
LES10, NAB+15, MGT+03]. Focused
[OK+16]. Foldabilizing [LHA15].

Folded [KMM17b, KMM17c]. Folding
[NPO13, KFC+08, ZMS14]. Folds

[JHR+15, LSGV18]. Foldsketch [LSGV18].

Foley [LJ14]. foliage [BNB13]. foliations
[CSZ+16, VZF+19]. font [OLAH14].

FontCode [XZZ18]. Fonts
[LCZ+19, CK14a]. Fool [YRP+09]. footage
[AP+14]. Force [GIF+18, RP09, UMK17].

force-sensing [RP09]. forces
[BP08, BOF18, TMOT12]. foreground
[PRK04]. foremost [STZ+16]. forests
[LJS+15]. Form
[TSG+14, BBG12, FXBH16, GSV+17]. HR05,
KH06, KG08, Nas87, UPSW16, WP09a.

Form-finding [TSG+14]. Formal [DFM88].

formation [DFW20, DNY80]. Formed
[JMWM20, US81]. Forms
[Sei93, KPPW17, SSM15]. Formula
[LSSW19, HRV97]. formulas [LKF12].

Formulation
[KM97, KTY09, MRA+13, MGJ19, PICT15].

formulations [LDS02]. formwork
[ZFS+19]. Forward [Kia91a, Kla94, PR06,
Rap91, FD17, GTH14]. foundation
[MCS15]. foundations [Gol02]. Four
[CCW93, ZCW+17]. Four. [CCW93].

four-view [ZCW+17]. Fourier
[AMZ99, Les20, Mal93, NG05, SHD+14,
SD+09a, SK13, WPC+14]. Fournier
[FI00]. Foveated
[GFT+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.

fractured [HFG+06]. fracturing
[PKA+05]. Fragment [DFO+03, FHB+10].

Fragment-based [DCOY03]. Fragments
[TH17a, BTFN+08, LH17b, MP07,
TFB+W10]. Frame
[CK20, FF88, GBFP11, HZ82, JFH+15,
PBS20, PPTSH14, Wes88, CDP+14, HB82,
HTWB11, HZ+16]. HPK+17, JKT+15,
LCORL07, RSL16, SFG+13, TDMS16,
WHSL11, WYY+13, WGDE+19].

Frame-based [GBFP11]. Frame-to-frame
FrameFab [HZ82]. Frames [LLK+19, ZVC+20, BHH+11, CC19, WJZL08, YGM97]. Framework [GRS93, HHX+18, KK91, LR15, MHP19, AZL09, BGR17, BT19, BAGL19, BBB07, BLDA11, BZCC10, BRM+18, BK04, DFL+15, GM05, GWAB19, GKS02, HJ10, HST+14, HK10a, HMG03, HSK16, HMC11, HSN+02, JAM+10, JdJM14, JMM+14, JAG18, JSP17, KKN+14, KSS98, Le07, MMG06, MJBF02, PTO15, RH04, WWB+14, WSP18, YCL+17, YKC+16]. Frankencamera [AJD+10]. FrankenGAN [KGS+18]. Free [CTMS03, HWZ+14, KG08, NGL10, AZB09, BBG12, CMMK15, CCS+15, Csé19, DWW+18, FFB+09, FL16, FKN17, GSV+17, GKT13, GH18, HR05, HPP+18, HWBR14, KH06, LFS+20, LC0LE07, LCBK19, MMT18, Nas87, SLL19, SOA11, SS15, SPM11, TB12, UKS14, UPSW16, Wan18a, WG09, XRF15, YCR+15, ZYQ+14]. free-flight [UKS14]. Free-flowing [NGL10]. Free-form [KG08, BBG12, GSV+17, HR05, KH06, Nas87, UPSW16]. free-formed [UKS14]. Free-viewpoint [CTMS03, CCS+15, HPP+18]. Freemotion [DGH16, FSH11a, PSB+08, BK04, EKS+10, EC96, KOY+11, LPL+17, LPL+18, NISA07, PLW+07, TIS16]. freehand [HFL14, LZC11]. Frenet [HB89]. Frequency [BBS41a, ETH+09, EH1R11, HSRG07, RH02, AWL13, AD08, BDT+08, CTH+14, DHS+05, LHG+09, NKGR06, NRH03, NRH04, OHX+14, SKS02, TS06, WTL05, WTL06b, WRG+09, XCM+14]. frequency-domain [BDT+08]. fresco [BTNF+08, TFBW+10]. Friction [MHNT15, BDCDA11, BFA02, CFW13, DBD11, LCBD+18, MB+13]. frictional [Dav20, DJBDDT13, GHF+18, JGT17, KEP05, KSJP08, LDN+18, LJBBD20]. friendly [SPJT10, SSK+11]. from-region [LSCO03]. frothing [CPPK07]. Full [CK20, WZQ+18, Fre16, HHC+19, HW12, KE18, PRMG16, TMDK15, WZC12, ZS+14]. full-body [HHC+19, KE18, PRMG16, WZC12, ZS+14]. Full-frame [CK20]. Fully [YI17, CSW+16, HK0a, LHM+18, SS16]. fully-Eulerian [HK10a]. Fun [Mit18]. Function [GRS+17a, XWC+16, ATW15, GXZ+13, GRS+17b, HVKW+16, JP03, LD05, Riu19]. Functional [CSBC+17a, CSBC+17b, CO19, DGHM93, HW14, OBSC+12, ACBC017, CI97, FSL+15, FD17, PYB+16, RPW018]. Functionality [LKWS16, ZAC+17, HZKV+15, HYZ+18, LMS13]. Functionality-aware [ZAC+17]. functioned [HKS17]. Functions [GVNB18, ND20, SWW15, BX03, CTV+04, CBW+18, CJAMJ05, DLM+15, FLSC14, GJWV14, HHA+10, KBD07, MMS+12, MIB15, NGH04, PSF09, RWG+13, TSL+02, TS06, VRM+18, YWW12b, ZM11, ZDI+15]. Fundamental [SHW19, DJ17, DJ18]. Fundamentals [GG03]. Furniture [YKGA17a, FS+15, LOM11, LHAZ15, LHLF15, MSL+11, SR+16, SFJ+17, UIM12, YKGA17b, YWT+11]. Further [AFP+95]. Fused [SMB+19]. Fusing [OKH+17, BML+14]. Fusion [FG11, DMB+14, LOW18, MSOC+19, DKD+16]. Future [EST+20, CTH+14]. Fuzzy [Ree83, KT03, KL+12].


Generation [PC82, VW94, VLA15, VW92, YIC +14, Zyd88, AF02, BDK +16, CSHD03, DK09, DH06, FH04b, GJTP17, GGC +13, GLY +03, GASP08, JBP06, JFH +15, KAB +10, LHM09, LDPS84, LPRM02, LABS08, LKvK +14, MCC09, RSL16, RCOL09, SP16, TPSHSH13, TS08, TWAD09, WMC11, Zhu18h, VW95].

Generative [LPX +19, ZYM +20, BSP +19, BHMK +18, GDG +17, HYZ +18, LXC +17, MC12, TTR +17, WSH +18, WWL +19, ZQCL19]. generator [PGML +19]. generators [PV06]. Generic [GGT17, LSK +06]. Genetic [Sah18, SAMWL11, BLSW14]. gentle [BP08]. Genus [CSZZ20]. Geodesic [AFH20, CSRP10, LFXH17, PHD +10, RHSH18a, LXY +16, PO18, QHY +16, RHSH18b, VZF +19, XW09, YWH13].

Geodesics [CWW13b, SSK +05b, YXH14]. Geometric [ACP +01, BG89b, BOP04, BBGO11, CCK02, DB88, EM90, FH97, Gol84, Gol85a, KCZO08, KMP07, LPW +06, Mil87, NN90, PPV95, SP3 +17, TWBO03, TR98, TQ94, BLTD16, CPSS10, GCO06, GP08, Gol02, GJWW14, HPSZ11, HB89, HzvK +15, HFG +06, IYAH17, JASR99, KOY +11, KGL16, LDPS84, LK +12, LQ14, LJGH11, LJO19, MJBF02, PCK +10, PKZ04, PM05, SAZK06, SGDP +15, SD89, TWH +14, WFL +15, YNS19, ZHW +06]. geometrical [YAVB09]. Geometrically [Sei93, BEB12, JBP06, RVBB +03]. geometries [WDW +15]. Geometry [CCK02, CSBC +17a, FGN84, GHG02, GX +17a, LMS13, LH04, OHHD18, PK05, PLW +07, RVAL09, SHR +15, SGWJ18, SRB +19, TLG17a, WBPS19, WC90, ZSSJ12, Zhu18b, dGMD14, AMD02, AAM03, ABO16, BB +10a, BW13, BBA +07, B0U18, BBM10b, CLSM15, CK11, CSBC +17b, DLS08, DHO005, FK +10, FYV6, GWVT13, GF12, GMP +06, GX +17b, HDA17, HLT10, KV08, Kal18, KS04a, LAGP09, LCOLTE07, MGP10, MGP06, Mit18, MMTD07, NRD05, PBS04, PKK03, PMW +08, PDZ +18, PGZ +19, RMBB +13, SR00, SM15, TLG17b, TEG18, WYZG09, WGP +10, YSN +18, YHZ +14, ZGZ16, dGDMD16, WC91].

Geometry-aware [OHHD18, RVAL09, SRB +19, DLS08, PGZ +19]. geometry-based [AAM03]. Geometry-guided [PK05]. geometry/impostor [DHO005].

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

GPU-decodable [KPM16]. GPU-efficient [NMLH11, NMLH14]. GPUs [BSL+16, BFH+04, CM14, FH1+10, KGB+09, SS10a, SKK+12, ZHX+07, ZHR+09]. GrabCut [RKB04]. Gradient [BPE17, FLW02, GHV+18, KMA+15, LKL+13, PKCH18, XZY+07, Aga07, ARN05, BZCC10, GFT+11, GBC+13, HSL+06, KH08, KHL19, KLS+13, LHM09, MRK+14, MKD+16, MP08, MHP+19, SLWS07, SLX11, YZX+04].

gradient-based [GBC+13].

Gradient-domain [BPE17, GHV+18, KMA+15, LKL+13, PKCH18, Aga07, BZCC10, KH08, KHL19, MRK+14, MKD+16, MP08].

gradients [BFGS03, BBG12, FLB17, MMH+09].

GradientShop [BZCC10].

grading [BSP11].

grained [HSG13, KvKSHCO15, WZF+18].

grains [YSC+18, LPX+19].

grammar [LCK+14, SP16].

grammars [DLC+15, LWW08].

GRAMPS [SFB+09].

granular [DBD16, MPH+15, MPG+16, NGL10, YSC+18].

Graph [FH97, KL17a, WSL+19, ACXG09, FSH11b, KL17b, KSE+03, LYT+19, LVS+13, PRAV09, RKB04, WLL+14, WLM+19, YWH13, ZHS+05].

Graph-constructor [FH97].

graph-cuts [LSV+13].

Graphcut [KSE+03].

Graph [Cas91, ZCL18, ZQL19].

Graphical [Bar86, HC86, Mac86, OBH02, PK83, Res87, SG91, UTB+19, FNDY82, LZH+17].

Graphics [AMS03, CM83, CT82, Coo86, DMZ+17, GF82, GS04, LMR83, LN84, Lev84, MRC+86, OKH+16, Pik83, Wes88, WW82, AM03, AHM85, AM03, ACM10, BK85, BDM09, BFH+04, CHM+12, CTH+14, DRvdP14, DRvdP15, DN02, DNB+05, EP09, FSH11a, FH11,
hardware-accelerated [PVL+05]. Harmonic
[PSL+15]. hex-mesh
[PBMH02, WLF+08, ZHWG08, JLB05].

hex-dominant [PVL+05]. harmful
[SLS+16]. Harmonic
[Ale91, BCW17, CAJ09, ESBC19, JMD+07,
WSSK13, ZJ09, BCWG09, CW15, CCW16,
LW16, NSF12, RWS+06, TFG+13, WR18].
Harmonics [BXH+18, MWM08].
harmonization [COSG+06, SJP+10].

hashing [ASA+09, GLHL11, LH06b, NZIS13].

hatching [KNB+09]. Hausdorff [TLK09].

HDR [AFR+07, ASC+14, DGH16,
DTPG12, EKD+17, GKT+13, MKR+11,
SKY+12, TKTS11]. HDR-VDP-2
[MKRH11]. head [FTZ+19, FRS+19, Iza+18,
KBB+17, LTO+15, SED16]. head-mounted
[FRS+19, KBB+17, LTO+15]. Headon
[TFZ+18]. Heads [LT+06]. headshot
[SPB+14]. Heat
[SSC9+18, CW1+13b, VBCG10]. Height
[ML+15, PP94, PG+98, NSB13].

Height-Field [ML+18]. held
[CW1+12, IBP+15, ZYQ+14]. helices
[BAC+06]. Helmholtz [YCR+15]. helper
[MK+16]. HelpingHand [LYFD12].

hemoglobin [TOS+03]. here [CLC14].
Hermit [AA09, BI92, JLS+02, Pet89].

Hessian [BL+1+16, LLR+15, SJ+12].
Hessian-based [BL+16, SJ+12].

heterodyned [VRA+07]. heterogeneous
[BBO+09, DW+08, HLV+19, KHLN17,
LMAS16, MP+16, PbBM+06, STTP+09,
WZT+08a, XWCH15, XMZ+14]. heuristic
[XGC07]. heuristic-based [XGC07]. hex
[FXBH16, GJTP+17, GPW+17, LLX+12,
LS+15]. hex-dominant [GJTP+17].

hex-mesh [LS+15]. Hexahedral
[GD+15, SR+16, SLR+17, LZC+18, LB+16].

Hexahedral-Dominant
[SR+16, SLR+17]. hexahedrizations
[VP+19]. hexahedron [PVR+18]. HexEx
[LB+16]. Hidden
[And+82, SO+92, HZ+82, KK+87, Mc+87].

hidden-surface [McK+87]. Hiding
[FKN+17, PH1+5]. Hierarchical
[FB+95, HNB+06, KTO+3, SCA+02, TH+19,
WLF+20, XST+14, YHB+05, dPFP+05].

BCK+10, DFS+88, DDP+99, JBO+2, LZ+08,
ODJ+04, PBV+17, SPO+10, SR+06, VdFG+99,
YWW+13, YGH+17, vKXZ+13]. hierarchies
[BSW+02, WBS+04]. hierarchy
[YY1]. High [AAPS+16, BGAM12,
BBB+10a, BHB+11, BBN+14, BIP+10,
CK+18, CLS+15, CJN+17, CCS+15, DG+16,
FJA+14, GHCC+88, GBAM+11, HW+15,
HR+13, KSA+13, KUWS+03, MEA+18,
MCHAM+06, Mus+13, OLS+16, RA+10,
SMM+14, STT+14, SH+04, SJA+08, TEO+16,
T+15, V+82, WHB+12, WJ+05, YSN+18,
ZRB+14, ZKU+04, AG+17, AGD+09,
AAPS+17, AYL+12, BWG+03, BTFT+08,
CS+00, CB+15, CADS+09, CCO+05,
CT+09, DD+2, ES+16, FLW+02, GLD+19,
GO+12, GT+9, HSG+16, HFF+17, HBD+14,
HG+09, HSHF+10, HCT+11, KSB+13, KR+17,
KKS+18, KZP+13, KLF+19, LRT+14,
LGX+13, LSA+05, MRK+13, MKM+04,
MEM+06, MHP+19, NKGR+06, NB+11,
SW+14, SFW+04, TALH+07, TAH+04,
THG+99, V+06, VLD+13, WAC+07, WHL+11,
WSS+18, XCLT+14, YJ+14, ZSC+04,
ZHR+13, ZJ+11, ZW+18, ZS+10, LCT+05].

High-accuracy [CK+18]. High-contrast
[STT+14]. high-degree [CADS+09].

High-Dimensional
[MEA+18, AGDL+09, GO+12, ZWL+18].

high-dynamic-range [DD+2].

High-fidelity [OLS+16, YSN+18, CBZ+15,
HCT+11, SW+14, WSS+18, XCLT+14].

High-Level [V+82, HBD+14, LRT+14].

High-order [SWM+14, ZRB+14]. high-pass
[CC+05]. High-Performance
[T+15, KKS+18]. High-Quality [AAPS+16,
BG+12, BBB+10a, BHB+11, BBN+14,
CLS+15, CJN+17, CCS+15, GBAM+11,
HR+13, SJA+08, WHB+12, ZKU+04,
AAPS+17, BWG+03, CS+00, MHP+19, ZJ+11].
High-Resolution [FJA+14, HW15, Mus13, TREO16, AYL+12, GLD+19, HG09, YHJ+14, ZHRB13, ZSTB10]. high-speed [TAH+04]. high-volume [BTFN+08].

Higher [BIW93, BSEH18, BJ17, Csé19].

Higher-dimensional [BJ17].

Higher-Order [BIW93, BSEH18].

Highlight [TDR+12, RRMG10].

Highlighted [KHKR11]. highlighting [BDG15]. Highly [ATW13, ZB94, HRE+08, IDN12, LYvdPG12, SJLJ11]. hinting [Sha03].


holodeck [WS99]. Holographic [MB118, MGK16, LJM+16, SHL+17, TGD18]. holography [PDH17, RRMG10]. holonomy [BCW17].

home [KDW+17, KBP+12, YYT+11].

Homogeneous [Kan15, FA19, HJ11b, KSSC08, TWL+05]. Homogenized [SNW20]. Homomorphic [LK02].

Hooked [SDK18]. HOT [MMdGD11].

HSV [SCB87]. huge [BGB+05, GM05].

Hull [Day90]. hulls [MPN+02]. Human [DKD+17a, GRG04, HL14, HXZ+19, Hil86, KHI17a, LXZ+19, SLST14, TSL14, XCS+18, AHM+15, ACP03, ACOY08, CTMS03, CTTL15, CYT+18, Dee05, DWd+08, DK99, DDK+17b, FKI+14, FP03, GSCO12, HRZ+13, HPP05, HKA+18, JWDL19, KE18, KKKW09, KCGF14, KPMP+17, KLF+19, KHI17b, LCR+02, LPLL19, LXC16, MJC+03, MSS+17, MCC09, MWTK13, NOP+18, NZC+18, PRW+18, PH06, PMRMB15, RPE+05, RS+05a, SH04, SZK15, SKL07, SGdA+10, SDO+04, TZT+18, TMB14, Van06, VPB+18, WC10, WMC11, WMP+06, WL16, XWCH15, XLS+11, YKH04, YIO+15, YM16, ZZMC13, ZFL+10, dSAP08].

human-assisted [YIO+15]. human-centric [KCGF14]. Human-Computer [Hil86]. humanoid [NRH17]. humanoids [HRL15, LPKL14]. humans [EHA12, JTST10, KE18, MBB12]. Hybrid [EC93, HTC15, Kla94, MSQ+18, NN95, OTS06, Rap91, VR94, YSC+18, ZYM+20, DBB01, FOK05, PVL+05, PFPW18, SWL11, WZK+17, XDF+19]. hybridization [FBT+18]. hybrids [RHDG10].

hydrographic [ZYZZ15]. hydrology [GGG+13].

Hyper [BEH18, KCS14]. hyper-lapse [KCS14]. Hyper-reduced [BEH18]. Hyperbolic [AL16, IYAH17].

Hyperelastic [LBK17a, LBK17b].

Hyperion [BAC+18]. hyperlapse [JKT+15]. Hyperparameter [TYY+19].

Hyperspectral [CBKM15, SS19, BKGK17, SJLP11]. Hype-reduced [KCS14].

Hypersurfaces [MHS+19a].
ACCO05, GAGH14, KNBH12, KYYL08, KST08, LEQ+07, NOO104. Illustrations [GRG04, LRA+07]. IM [Kim18]. IM-material [Kim18]. IM6D [HMT+15].

Image [AASP17b, 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, LH+20, LNLB16, LCO06, MPN+02, MZW07, PC82, QTZ+06, RDL+15, RO85, RO87, RJN16, SMW06, SKG+12, SYJS05, SLWS07, TZW+07, TOS+03, VBK05, XFT+08, XFZ+09, XK07, XLXJ11, YTS+11, YPA+18, YSQS07, Zhiu18a, vW02, AASP17a, AS07, AMMS08, BGKS17, BSFG09, BC02, BSP+19, BZCC10, BHY15, BRK17, BPB13, BA83, CHM+12, CWW+16, CSW+16, CYS+17, CDSHD13, CPD07, CTW09, CTT+09, CZM+10, CGZ08, CHSD03, CSR09, DAD+18, DCP14a, DTPG11, DCOY03, EKD+17, FH07, FHL+09, FFL10, FAR07, Fat08, FCA09, FLB17, FRS19, GSY+17, GO11, GO17, GCB+17, GRBN09, GMW16, HSGL11, HS+12, HRDB16].

Image [HPP+18, HBD+14, HDD+16, HWRH13, HST+14, HND+16, HLR+17, HMG03, HX+13, HZW+13, HSW+17, HYG+13, HWK15, HOM15, ISS16, ISS17, JCD09a, JTC09, KEE13, KP02, KKKD12, KSP13, Kou16, KSE+03, LHM09, LWA+12, LDF14, LSQ+15, LGA+18, LXR+18, LYY+17, LTJ18, LFB+13, LSS+17, LSC+12, MHM+09, MAS+16, NFD07, PHL+09, PHK11, PGB03, PSA+04, PTSZ11, PHS+18, RKAP+12, RFWB07, RPK+12, RHDG10, RCGS10, SFLM04, SLJT08, SJA08, SL+16, SMGE11, SS+04, SDP+18, SMH+14, SLWF14, SSD09b, SBT+19, SJP10, TFX+08, TYS09, TZN19, TSO8, TYY+19, VRC+13, VT04, VBFG12, VBBF16, WW06, WTS08, WYW+10, WYX11, WFP12, WHB+12, WLL+14, WSZ+18, WWA+16, WSS+19, WLHR11, WST08, Wym05, XLY09, Xia97, XKF+18, XSTN14, XYJ13, XSR18, XADR12, YSN+18, YSQS08, YJHS12, ZZXZ09, ZN06, ZCW+17, ZL+17, ZCC+12].

Image-Based [BBPA15, BNB13, KRB06, KLS+13, LKG+03a, LCL+17, MPN+02, MZW07, QTZ+06, SKG+12, TZW+07, TOS+03, VBK05, XFT+08, XFZ+09, YTS+11, BK17, CWW+16, CDSHD13, DCP14a, HRDB16, HPP+18, HLR+17, HMG03, LWA+12, NFD07, SSY+04, VRC+13, VT04, VBFG12, VBBF16, WFP12, XSR18, ZCW+17].

Image-driven [BLR+11, XK07]. Image-guided [CTW09]. Image-space [DCD15, RJN16, Wym05].

Image/video [SLJT08]. Imagery [MR+86, MGDA+15, HH10, KCCS10, NAB+15, SS+11]. Images [DR+15, LR90, SB95, SS19, SC88, TLG17a, WS17a, ZLW+16, AM10, BBS14b, Bou18, BPD09, CAA09, CWW+13a, CWC11, CLQW08, CZG+11, CHM+10, DSB+12, DER+10, DTPG12, DD02b, FKY+10, GLD+19, GGH02, GSLM+08, HCS13, HEC03, HO14, HCD07, HZZ11, IKCM13, JMAK10, KE18, KHO8, KSH10, KP18, KUDC07, LBP+12, LS05, LSO+15, LYT+14, LSS+19, MCL+09, MPK09, MN07, NFL12, ODAO15, OTS06, OBW+08, OG15, PBS04, RSS02, SD118, STZ+16, STXJ15, TLG17b, TEG18, TD16, TAH+04, THG99, TT09, WWOH08, WSH+16, WAM02, WS17b, XLM+16, XBS+19, ZCC+12, ZLF+18, ZTF+18, LR91].

ImageSpirit [CZL+14]. Imageworks [KC81]. Imaging [DMZ+17, GNHM15, GVNB18, HOZ+19, KZSR16, LCD+19, ABW+17, BGK16, BKGK17, CHWH17, Fre16, GHHK12, HSG+16, HRH+13, HHHW15, IGP+17, ITM+14, JBY+19, KR17, Kan15,
instantiating [WLW+19]. instantiation [SSBD03]. instructions [APH+03, SLR+16].

instrument [UPS16]. instruments [AR15]. Integer [BCE+13, FBC18, Kla91b, Kla94, Md83, PK83, BZK90, VF96].


Integration [OF01, Özt16, WLF+20, AKJ08, BJ05, DNZ+17a, HZ13, PSC+15, SK13]. integrator [KNSG17, LGL+19, MLT17]. Integrators [DLK18, BOFN18, KCD09, MSW14, MCP+09]. Intelligently [LNLB16]. intended [LRS18]. intensity [ME05]. Inter [SAP04, MCK+17, YSNS08]. inter-scale [YSNS08]. Inter-face [SAP04, MCK+17]. interacting [LSSF06, MDR+19, RvB+04, TTT+17].

Interaction [HFB86, HZ+K15, KP06, OB86, PKH+17a, SB93, SKSY08, ZWK14, CB04, FKI+14, GWB05, HGR04, HLHR09, HM+15, MWH+09, MGC+19, PLR+16, PKH+17b, SCH+16, TEO16].

interaction-aware [PLR+16]. interaction-guided [MGC+19].

InteractionFusion [BZBYX19].

Interactions [PM18, BDDW12, CWSO13, FMB+17, FBGZ18, HMO12, H+KW16, KPH18, WLO+14, ZBYX19]. Interactive [AD03, ADA+04, AAP06, AAS17, AVB08, AMD02, ACSM12, AF02, BAS14, BIP01, BSG12, BB091, BCC17, BST+14, BR94, CRS+16, CNG+20, CKS+17, CEW+08, CAR+09, CK11, DLM+15, GWP+19, GLY+03, GKI+05, GDG+17, HR13, HSTP11, HSVTP12, IDN12, KC19, KBO7, KW11, KN02, KSL14, LWS+18, LCR+02, LLL18, LRA+07, LFZ15, LWW08, LFUS06, MTN+15, MSL+11, MCC09, NGDA+16, Obs88, PHT+13, PKZ04, PJJ+17, RHW94, RRS13, RZL+10, ROTS09, RDT+10, ROS94, SM17a, SM17b, SGW06, SXZ+17, SWC+18, SWL11, SLS+07, SSS+08, SCGT15, SJJ+11, SZC+07, SZZ+08, TLK90, TK14, TBWP16, TDM11, TQ94, TPWG02, VCC+15, VABA09, WBC+05, WSTS08, WS17a, WS17b, XMR+11, XLCB15, XLX+16, YMRD15, YKGA17a, YKGA17b, ZB13, ZCC+12, dSAP08, AR15, BCT15, BWG03, BBPP10, BAER08, BDI+02, BGB+05, CK14b, CZZ14, CRG+20, CTWO9, COS19, DSDD07].

interactive [DPK11, DE05, DTPG11, DPF03, EVC+15, FNUV82, GM05, HZ13+19, HHN+02, IIM12, IOC005, JVL09, JP03, JF03, JX96, JMY+07, JRT+15, KTL+04, KYC+17, LWB+10, LACS08, MTP+15, MWR12, MWRD13, MS15, M07, NA1+18, NSZ+10, NHA03, OHB+11, POMR10, PPZ+11, PTG02, PSK+12, RKK+07, RMDO4, RB04, SM14, SXZ+12, SH+17, SL17, SSS+04, SSI18b, SPG13, TWW+18, TBC+16, UBW99, UKG11, UKS14, UPSW16, UB18, VGB+14, WTL05, WAC07, WWZ+09, WSZ+14, WS99, WTB07, WDR11, WYM05, XJL+16, YMR+13, YHZ+14, ZG04, ZHR+09, ZLE14, ZPK02, vdHDT+07, LCCS09]. Interactively [ESCK16, SRH+15, YPC16].

interception [YLNP12]. Interchange [KP92].

Interchangeable [DYY16]. intercluster [XL97]. interest [ZK13]. Interface [BL18, Fol86a, Fol86b, Fol86c, HC38, Hud94, RV93, RO94, BJS+08, DK99, FQL+20, FH04b, GCR+13, HK10a, IWZL09, KP09, KP10, MB12, NSAS05, Obs84, PTG02, PEL10, TBVP04]. Interfaces [Bar86, BD86, Jac86, SG91, ANO03, LRFN04, SH08].

Interference [HPSZ11, RV93, KWB+13, MMH+17].


Interleaving [TWAD09]. Interlinked [GPB+19]. interlocking [FSY+15, SCGT15, ...]
SFCO12, SFJ+17, WSP18]. internal [MTB+13, ONO104]. Internet [CCT+09, CZG+11, HZ11, MBG15, STZ+16].
interplay [CMT04]. interpolate [Jam20].
interpolated [BDT99]. interpolate [TO02].
interpolating [SH07]. Interpolating [FG90, SOS04, Yu20, LYLL08, RP09].

Interpolation
[B12, BIW93, BF01, CK20, DLG90, Fie85, Foli87, JW15, Pet89, Ry92, SDN18, VTSSH15, WX91, BT19, BvdPPh11, CWKBc13, CCW16, Csé19, FZL+15, GTJS17, GAF+10, MHH+09, Ma89, MK05, PR97a, RSM10b, SV19, VV97, VBK05, WG10, YSW+17, ZPBK17, ZKU+04].

Interpolations [Thu17a, Thu17b].
Interpolatory [AA09, DM13, ZM11].
interpretation [CKX+08]. Interpreting [SLZ+13]. interreflections [CRA11, DDT15, XCM+14]. Intersecting [CCW93, KS95, MD94, LB91]. Intersection [ACC90, CGM91, KM97, MST89, Mii87, NY94, LFS+20, NPP+11, SHH99, VMT06, WFP12, Bak94]. intersection-and [LFS+20]. Intersections [FNO89, MD94, SJ94]. intervals [ZS00].

interview [BLA12]. intra [YSQ08].
intra-scale [YSQ08]. Intrinsic [BBS14b, CSBC+17a, DRC+15, IWQ+08, LFXH17, 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, BG89a, BG90, Ber82a, Ber82b, Foli86a, Foli86b, Foli86c, FGN84, FR87, Fuc82, Pha18, Ros94, Tan83].

Intuitive [BL18, LC15, BK04, GCR13, SGM+16].

Invariant [NY94, BHR13, BBGO11, CG08, KPM+17, LSC+08, LSLO05, MTP12, MWTK13, PR97a]. invasive [NAH03].

Inverse [BJNJ18, DSP06, DJBDDT13, GDAB+17a, GZB+13, GJB+20, HMLB16, HX+13, LJ14, LBAD+06, LCB+18, VGDA+12, WHZ+08, WDR13, WYD+14, ZB94, BWS10, CZXZ14, DJBD10, DIO+12, GLD+19, GDAB+17b, GP08, GTH14, GMHP04, KE18, LP10, LHP05, LCX+16, SZT+07, SZGP05, WPP14].


Inverted [KH17a, KH17b]. Invertible [AXR09, XLW18]. investigating [MBB12].

Investigation [BS90]. IQ [FQL+20].

IQ-MPM [FQL+20]. iridal [POB09].

iridescence [BB17, WVJH17], iridescences [Sun06]. irradiance [AFO05, SJ12].

irregular [JLB05, LZW10, LCO+11, ZJ+13]. irregularity [WLM+15]. irregularly [Gos00]. Islamic [KS04a]. Islands [HA92].

iso [VGB+14]. iso-surface [VGB+14].

isocurve [EC06]. isocurve-based [EC06].

isolines [AFTC07]. Isometric [Sah18].

isometry [TMRL14]. Isosurface [LS07, VW94, VW95, VW92]. isosurfaces [LDS03, WHDS04]. Isometric [PV90].

Isotopic [MCSA15]. Isotropic [BSN16, MHS+19a, SDK19, SBN15, TWAD09, WOR10]. Issue [BG89b, Foli86a, Foli86b, Foli86c, FGN84, Pha18, Ros94, Sto92]. iterated [RKB04].

Iterative [CK20, HL14, LKE18, LHZ+20, DBDB11, JTL+12, JDD03, Wan15]. IV [AB89]. iWIREs [GSMC09].

Jagged [Nai98]. JALI [ELFS16]. jaw [ZBB18, ZGB19]. jewelry [LB15].

[CAD19]. Jump
[BJNJ18, ZG04, YYW+12a, AGB+16]. JumpCut [FZL+15]. junctions [KPP17].

K-D [XLJ+09]. kaleidoscope [HP03]. KD [AGDL09, ZHWG08]. KD-tree [ZHWG08].
KD-trees [AGDL09]. kernel-predicting [ATM10, YGH]. Label [SCB87].
Laban [LFA+12, KCS14]. Labeling [GZC15, ST16, VVC+13, ZSZ+16, KPP17].
Kernel [BVM17]. Kernel-predicting [BVM17].
Kernel-splatting [GLA18]. kernels [ASL+17, CMT+16, FSH+11b, VBCG10, YT13].
Key [MA07]. Keyframe [AHSS04]. Keyframe-based [AHSS04]. Keying [AAPS16, AAPS17].
Kinematics [HMLB16, ZB94, BCT15, DSP06, GMH04, SZT+07, SZGP05, SZZ+14]. Kinetic
[BL20, XKC18]. Kirchhoff [BJ05, KTY09, POT17]. Kirchhoff-plateau [POT17].
KleinPAT [WJ19]. Knit [JGT17]. Knittable [WSY19]. Knitted [KJM08, YKJM12].
Knitting [NAH+18, MAN+16, NWYM19]. Knot [Joe90a, SYSP14, Joe89]. Knowledge
[XGC07, MYWI15]. Kontrol [Ols86]. KRISM [SS19]. Krylov [SS19].

L [GJB+20]. L-Systems [GJB+20]. LAB [SCB87]. Laban [DKD+17a, DDK+17b].
Label [CMS95, LSA+16, RMBB+13, WZF+18]. label-map [LSA+16]. Labeling
[GZC15, ST16, VVC+15, HSG13, HFL14, KHS10, YGH+17]. labelled [HJCJ17].
labels [HLW+18]. laboratory [ZJ18]. laden [GPH+18]. Lagrangian
[SSJ+20, BG06, BPDH11, CWSO13, FLP13, KDW+17, KAGS20, PTG12, SBRBO20, WPS18, YCZ11]. lamps
[RBvB+04]. Lampshades [ZLW+16]. landing [ATM+17, HYL12]. landmark
[YNS19]. landscape [BLDA11].

Landscapes [PKH+17a, CGG+17, PKH+17b]. Language
[DMZ+17, Jae86, KKKR+16, MPF+18, Van82, ALD17, GSS2, HFF18, LTK09, MGAK03]. Language-driven [MPF+18].
Languages [BK16, YPB16]. Laplacian
[APH+14, CS18, DLF12, JCCW09a, KFS13, LSR18, PHK11, ZH+05]. Laplacians
[AW11, FW12]. Lapped [TOI13]. lapse [BM07, KCS14, LEN09, MBG15, SMPR07, TDSG15].
Large [GNS+12, KABL15, LZX19, SM17a, SIJP11, ZHS+05, BZ11, BWHT17, BZL+15, CB04, DFZ+17, EDF+16, FAW19, GB13, HSG13, HWG14, HLM19, IGLF06, JP03, KH08, KFWM17, KLM+13, KSKL14, KPZK17, KG04, LGL+19, LFS+20, MRA+13, OAH11, PRFS18, RNGF03, SMM14, SM17b, SWL11, SDW+16, SZLG10, WFDH18, WJ+05, YMR+13].
large-deformation [BJ11, LFS+20].
Large-Scale [LZX19, GNS+12, KABL15, SIJP11, DFZ+17, FAW19, GB13, HLM19, JP03, KFWM17, KSKL14, KPZK17, PRFS18, SWL11, WFDH18].
large-step [LGL+19]. Larrabee [SCS+08]. Laser
[OKH+16, XGC07]. laser-scanned [XGC07]. last [LSZ+14].
lattice [ANHD17, PMS12, RJ07]. Lattices [Ros20].
Laughing [DZS08]. laughter [DZS08].
layer [IM10, LHKR10, LW+11, LD13, PLW+07, SBK+18, ZJ18].
LayerCode [MLZ19]. Layered [DYP03, BCO10]. VMS15, WLHR11, ZMS18, ZJX+13, BKL10, B18, BBR+19, BDW13, DS15, DJ05, DWD+08, FLB17, GHP+08, GHZ18, JDJM14, ZGH+16, ZKU+04]. layering
[MP09a]. Layers
[TLG17a, HLR+14, PTSG09, Pik83, SMH+11, TDSC15, TGL17b, ZLB16a].
Layout [ULP+15, AVB08, BS13, CCL12, FYY+16, JLS+03, MSL+11, YWVW13].
layouts [BYM13, CBK12, CK14b, FML14, MSK10, PYW14, RRS13,
LYL+16, MWRD13, NRH03, NJS+11, RKK5+07, RMBo7, RNd+07, RZL+10, SHS+17, SKS02, VWB+12, WSM11, XMR+11. **Lights**

[OKH+16, DKH+10, HKWBo9, HWJ+15, KWN+17, NNDJ12, OP11, WHY+13, WR18]. **LightSlice** [OP11]. **lightspeed** [RKK5+07]. **Lightweight** [BBGB16, UMK17, VWB+12]. **like** [DSG+12, HZZ11, KLY+14, MGAK03]. **Lillicon** [BL15]. **limb** [MWTK13]. **limit** [TSL+16]. **Limited** [DBP+15]. **limiting** [WOR10]. **Limits** [BAU15, WP06]. **Linde** [DSZ17]. **Line** [And82, BS19, BK+05, KYYL08, LMLH07, LB84, RWW90, SZLG10, SZG+13, VA88, BGAM12, CSD+09, FLB16, FZM11, GTDS10, GCR13, GRT13, HOZ+19, IH20, JDA07, KNS+09, KLKL13, KSS17, LWO19, NH+13, PBM07, Spr82, VKL+14]. **Line-art** [KYYL08]. **line-drawing** [Spr82]. **Linear** [Alo02, BS16, DPW15, DMZ+17, DLTW90, DHI+13, Fie85, GTHD03, HGM14, KW03, LS00, LSLCO05, Mey91, NON85, OF01, RI92, WJBK15, WS85, dSDP09, BBO91, BBO+09, BS17, CDP+14, CS09, DCP14a, FLB17, HSB+12, HDA17, HKG11, LMR+15, MNG06, MGYM15, MHR+16, NRH03, PLS+16, SD02, TDM11, WHSG97, WBO8]. **linearization** [KJ10]. **linearly** [HDHN16]. **Lines** [Bak94, CH14, Fat14, MST89, YZX+18, CGL+08, FTP03, KKS87, LLW17, OBS04]. **LineUp** [YYL+19]. **linkage** [BCT15, TCG+14]. **linkage-based** [TCG+14]. **LinkEdit** [BCT15]. **lip** [ELFS16, SSK17]. **lips** [GZW+16]. **Liquid** [BH13, Ste20, Thu17a, ATW13, ATW15, AB20, BDWR12, CWSO13, FMB+17, FBGZ18, KTT13, MBT+15, NB11, PHT+13, Thu17b, UHT17, WLZ+09]. **Liquid-Crystals** [Ste20]. **liquid-fabric** [FBGZ18]. **liquid-hair** [FMB+17]. **liquids** [AGL+17, CWSO13, CPPK07, DHB+16, GB13, KySK09, LBB17a, LSSF06, MYH+10, RWTT14]. **List** [TOP3]. **listen** [EML+18]. **listeners** [CRG+20]. **lists** [CSN+12]. **Live** [MZR16, DWT+02, KDMW17]. **live-action** [DWT+02]. **live-streaming** [KDMW17]. **LiveCap** [HZX+19]. **lization** [MPK09]. **Lloyd** [BSD90]. **lobes** [LPC+11]. **Local** [APH+14, BB83, BBS14a, GSV+14, HCK+18, Kal14, Les20, MP09a, MSOC+19, MCY14, PHK11, Pet89, SLS05, SZKZ20, WGY+18, ZDL+14, ASC+14, CDSDH13, CH89, Coh87, DKL+10, DMIF15, FF11, FLG14, GGY18, HZ13, ISS16, KS10, KAMJ05, LFUS06, MHR+16, RKZ12, SCF+04, SL17, SSD09b, TMRL14, VMGM15, WHSG97, WSH+18, WRK+10, WBGB16, YSW+17, ZSW+10]. **locality** [SNB07]. **Localized** [HDA17, BWSS09, NVV+13, PHT+13]. **Locally** [BS16, Pot91, RPPSH17a, SW18, Sze06, TIA87, WZ14, BSB17, CW17, FLG15, ISS17, MSRB07, RPPSH17b, YYW+12a]. **located** [KKB+11]. **Locating** [HLV+17a, HLV+17b]. **location** [EKA84, UMK17]. **Locomotion** [CKJ+11, KL17a, LPKL14, AvdP16, CLS03, GvdPvdS13, KL17b, KL20, LW+10, LLK+15, LLKP11, LSCC20, MdLH10, PBvdP16, PBVY17, TTL12, WP09a, WPP14, WHDK12, cWP10, YLvdP07, YTL18, dSAP08, dLMH10]. **LOD** [VLA15, WWH04]. **Logarithmic** [LGQ+08]. **long** [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]. **Low** [APC+16, HHGH13, Lee18, MCE+17, ME05].
Mappings
[BJNJ18, DFYL19, RPPSH17a, AL13, APL14, APL15, CW15, DFZ+17, FLG15, FL16, KSS06, KAB15, PL14, RPPSH17b].

Maps
[ESBC19, HJS+14, RLU95, Ros20, Shn92, THCM04, ARBJ03, BCWG09, BCE+13, CSZ16, CZ17, CKPS17, DK09, FFL10, Fat09b, FG11, GAS08, HSB+12, HZG+12, HLW+19, JSP17, KLF11, KAB+10, KSG03, LSO07, LPRM02, LGGQ+08, MJQ+08, McC00, NG18, OBDC+12, PRP+15, PBFJ05, RPWO18, RGK+08, RCOL09, SCH+14, SGW06, SCH03, SD02, Tar16, TWBO03, WSJP17, WDB+08, WG10, vW09].


mass [SHS+18, TBV12, TFD+18, BvdPPH11, KGS+18, LBOK13, SLF08, SHS+17].

mass-spring [LBOK13]. masses [AMS03].

massive [PFH10, SSJ+11]. Massively [GLdFN14, KS95, WQS+20].

Massively-parallel [GLdFN14].

Mastering [SSII18a]. masters [BLCD02]. MAT [LWS+15]. match [PDSH17].

matched [LS007]. Matching [BBB+93, BB10b, KSZ+15, LYP+14, MOR+18, BTFN+08, DML17, GCO06, HKP+90, HFG+06, KFR04, MHTG05, RJ07, ST04, STZ+16, SMGE11, TFBW+10, WLL+14, WY04]. Matchmaker [KSG03]. Material [BBPA15, JTRS12, KPWP17, LL11, XLBC15, YSB+15, CRA11, CLSM15, CXY+15, CPWAP08, DBD16, DTPG11, DJ18b, FLG19, FQL+20, GTJS17, GWW+18, GZB+13, GHF+18, HFG+18, KP10, KRFBO6, Kim18, KFB10, LMS+19, LBAD+06, LHdG+14, MIW16, MWI18, SGM+16, SARW+15, SSC+13, VLD07, VWRKM13, WQS+20, WFL+19, WDR11, WDR13, XSB15, YCL+17, ZAJ+15, ZFWW18].

Material-minimizing [KPWP17].

Materials [BAU15, HM92, LBK17a, RT90, AWL15, ATDP11, B18, BBO+10, DI11, DBD16, DJ05, GTJS17, HFM+10, HR13, IDN12, JAM+10, JdJM14, JG18, JB02, KMD09, KCD+16, LBOK17b, LMPB+13, MTGG11, MPH+15, NGL10, PRJ+13, PRFS18, PL07, RGB16, SMCT18, SSJ+14, Ter18, TWL+05, WTL+06a, WZT+08a, WZB17].

mathematical [LZ04]. MathPad [LZ04].

Matrices [GQ55a, YCP16, KFS13, WWS+05]. Matrix [HPB07, BFGS03, HJW+15, HWW+16, OP11]. matte [BCN08]. Matting [YTB11, CAC+02, CGC+03, JMA16, LL11, MPP+05, SJTS04, SLK06, WAC07, WTBS07a]. maximal [EDP+11, YW13].

maximization [XZJ+13]. maximum [ME05, Xia97, YS+17]. maze [XK07]. MCMC [YYW+12a]. MDE [LXY+16]. Me [WZC+20, MBB12, YRPF09]. Mean [HFJ06, JSW05, TMB18, LJJ19a, PCL+12].

means [ABRN15, RKZ12, Zit13]. measure [GAGH14, GvdBL+12, LMS+19]. Measured [DDMG15, ATDP11, PL07, STPP09, SJ18].

Measurement [DDTP15, BBO11, JKZS10, WOR11, WMP+06, YTJR15].

Measurement-based [DDTP15, WMP+06]. measurements [CHM+12, HKA+18].

measures [MIW02]. Measuring [HP03, MWAM05, KRD+12, PRWH+18, PPZ+11].

Mechanical [SMCT18, CLM+13, CNT+13, KLY+14, MSS+19, MYY+10, XBZN19, ZKB17, ZXS+12]. mechanics [AVGT12, HVS+09, WCL+20].
[XLX+16]. mechanisms
[HFF18, MZB+17, ZAC+17]. Media
[Ste20, BAGL19, BRM+18, Fat09b, FCJ07, GCH+19, HED05, HWH+16, JDZJ08, LBDF13, MPG+16, NGD+06, NNDJ12, NSJ14, RSA09, WZHBO9, YIC+10, YSC+18, ZWDRI6]. Medial
[DSB+17, melding]. LD14, LdPS84, LXW, WZHB09, Wam16, XZY
TWGT10, TWAD09, VMW15, VBMP08, BO04, HWCO
GF08, HSL
SZGP05, TGB16, ULP+15, WLT16, YXZ+04, YHK10, ZHW+06, ZGZJ16, ACXG09, ATC+08, ACBCO17, BAS14, BCG05, CGF09, CPMS14, DBG14, DSSC08, DP13, MERG14, ERL18, LBK17a, LC96, MEM
Methodology
[CH20, Wil92]. Meshes
[BSTY15, ERT14, LS00, NAH+18, Sar00, TGB16, WSY19, YCP16, AW11, AT13, AFSD08, BBP12, BC18, CSPF12, CS09, CWOS13, DM13, DP13, EB14, EPD09, FOK05, FKY+10, FSK04, GGS03, GLRL11, HV04, HA18, IG03, JTPSH15, JSW05, KFCO06, LS07, LKZ10, LSLCO05, Lip12, LPW+06, LXFH15, LX+16, MS04, MCKM15, MPKZ10, OBS04, PRP+15, PZKW11, PPW18, PTC+15, PKC+16, PKC+17, SPGT18, SB09, SSP08, SSW+13, SGC18, SP04, SLWS07, SSK+05b, SKC+14, TPSHSH13, TMY+11, TSG+14, TLJP18, TPT16, VMW17, WM03, WTGT09, WPGM16, YYPM11, YSK09, YKJM12, ZBG15b, TGB13]. MeshFlow
[DKP11]. MeshGit
[DP13]. MeshHisto
[SSTP15]. Meshing
[ABE+20, Pan18, SRUL16, ACSYD05, BCG12, EBC14, FXBH16, FLSG14, GPW+17, HZG+18, LLX+12, LZX+18, LCBC19, SRUL17, WGF+18, ZGW+13]. Meshless
[MHTG05, PKA+05, RSLL18, FGP11, HLW+12, LZT+08]. Meta
[Wil14]. Meta-representation
[Wil14]. Metal
[DWMG15, PH15a]. metallic
[HCE03, PH15b]. metallophone
[HLC17, MSS+19]. metamaterial
[MSS]. metamod
[LWL17]. metamodel-based
[LWL17]. Metamolds
[AMG+18]. metamorphosis
[COSL98]. Metaphor
[SB93]. MetaSilicone
[ZKBT17]. Method
[FG90, LR90, LR91, LB84, MA192, MHNT15, PK83, ROC89, RT90, Sar00, SDG+19, SSC19b, YSB+15, ANZS09, BSD09, BGOS06, BWH07, CZZX14, DBD16, DBT06, FLGJ19, FQL+20, FPP16, FGG+17, Ga99, GTJS17, GBO04, GFF+18, HZ11, HFG+18, JSS+15, JZ+15, KLL+07, LXY+16, MHH+09, MTPS04, NWC20, SRF05, SMGH18, SSC+13, SS17, UBW99, WDT+09, WQS+20, ZHLB10, ZBI4, ZSTB10, ZZJC13]. Methodology
[Wil18]. Methods
[CCK92, ER18, LBK17a, LC96, MEM+19, NN95, PP94, SPV+16, WHG84, GWW+18, JP03, LBK17b, NAS87, NNSM07, THG99, UHT17, WY16, WLF+19, YLY18, YCBvdP08]. Metric
[KH10, CKPS18, DMHG13, FGC08, JHF+15, LWC+13, MKRH11, SPK16, ZWL+18]. Metric-aware
[KH10]. Metrics
[WGY+18, CHM+12, CLW16, MSS+19, RP03, TGB13]. Metropolis
[BZNJ18, GRS+17a, GRS+17b, HKD14,


Minimization [LWS+15, HS13, RKL11, VM06, WPL06, XLJ11]. minimize [SdS02]. minimizers [LZ14]. minimizing [HP04, HXK+19, KPW17, MCSK+17, WJZL08, XLA97]. mining [MBG15].


Modal-space [JL11b]. Mode [ZSKS18, WJ19]. Mode-adaptive [ZSKS18]. Model [BSN16, CAD19, CT82, DK09, EHSN20, FW16, FHK14, GHC17, Hud94, LMH+15, PC82, RLY+14, Sar00, TLP06, TGG18, WBG+16, XLCB15, ARS14, BBGB16, BWSK12, CAJ09, CH07, CZZ14, CZ11, CPSS10, CLD+13, CBH+12, DII11, DF88, DSD03, Dee05, DRE+11, DRE+12, DwD+08, DLX+09, ELF16, EML+18, Fat11, FM17, FBG18, FD17, GWM+08, GMP+06, HHD+16, HP17, HW12, HOM15, ISN+20, JSB+10, KCKK12, KDR+16, KJ09, KNC+08, LWS02, LBB+17b, LHM+18, LMR+15, MPBM03, MM05, MC12, NSS+19, PLR+16, PMRMB15, RQH16, SBdB13, SL08, SFB+09, SNR05, TOH08, TTR+17, TS12, UKS14, Van06, VMG15, VKJ19, WSH+16, WSJP17, WSH+18, WMP+06, WBG16, XZZ+11, XYJ13, YJSR17, YJR17, YCL+15, YL10]. Model-based [WBG+16, KNC+08]. model-driven [XZZ+11]. Model-reduced [LM+15].

Modeling [AMZ99, BCGX95, BCV+15, BR94, BSE18, CXGS02, CFW13, CBK15, FKS+04, GLL+16, GJB+20, HM92, HX18, Iza18, KWK09, Kla87, LBK09, LDS+11, LDPT17, MTB+13, NY94, OCH+16, PBCF93, RHSH18a, Ree83, RFL+05, TDM+14, TWL+05, TB87, WZT+08b, WZT+08a, WQSS05, WXY+10, ZWW+18, ZYM+20, AAL16, AZB09, ASF+13, BAS14, BB17, BHMK+18, BBO+09, BWS10, BJ+12, BK04, BWP13, BRB+19, CWW+12, CLS+15, CSW+16, CK10, CKG11].
CEW\textsuperscript{+08}, CNW\textsuperscript{+08}, CLW\textsuperscript{+14}, CZL\textsuperscript{+15a},
DP13, DJBBDT13, DZS08, DTPG11a,
EBJ\textsuperscript{+06}, FSL\textsuperscript{+15}, GHP\textsuperscript{+08}, GIZ09,
GRZ\textsuperscript{+18}, GTKT13, GTR\textsuperscript{+06}, GCH\textsuperscript{+19},
HGY17, HPZS11, HSTP11, HM03,
HMLL15, IKKP17, IOO105, IYY114, JTC09,
JGGN15, KBD07, KW11, KMP07, KN02,
KYY\textsuperscript{+17}, KCYW13, LF02, LRAT08,
LCXS09, Le05, LT06, LST09, LT09,
LPL\textsuperscript{+17}, LPL\textsuperscript{+18}, LPW\textsuperscript{+06}, MHS\textsuperscript{+19b},
MWAM05, MPH\textsuperscript{+15}, MWH\textsuperscript{+06}, MZWV07,
NKAS08, NFD07, NFJ02, OBH02).

modelling (ODA015, PPZ\textsuperscript{+11}, PCL\textsuperscript{+12},
PH08, PKKG03, PKZ04, PLKD18, QTZ\textsuperscript{+06},
RS98, RMGH15, RDI10, RTB17, SZK15,
SSTP15, SM15, SXZ\textsuperscript{+12}, SLR\textsuperscript{+16}, SYY\textsuperscript{+04},
SS\textsuperscript{+08}, SSK\textsuperscript{+17}, TAV\textsuperscript{+10}, TSN10,
TGY\textsuperscript{+09}, TLL\textsuperscript{+11}, TZW\textsuperscript{+07}, TFX\textsuperscript{+08},
TS08, TPT16, TMB14, UKG111, VBG\textsuperscript{+13},
VABW09, VBK05, VPB\textsuperscript{+18}, WTL\textsuperscript{+06a},
WLZ\textsuperscript{+09}, WOR11, WY\textsuperscript{+15}, WMB19,
WC10, WOD09, cWP03, WYD\textsuperscript{+14},
WWL\textsuperscript{+19}, XFT\textsuperscript{+08}, XFZ\textsuperscript{+09}, XGC07,
XZZ\textsuperscript{+11}, XLX\textsuperscript{+16}, YTTJ15, YKM12,
ZSC04, ZCW\textsuperscript{+17}, ZQCL19, ZXS\textsuperscript{+12}).

modelless [MWI18]. Modelling
[TO02, DYY16, LPC\textsuperscript{+11}, vdHDT\textsuperscript{+07}].
Models
[EST\textsuperscript{+20}, GDAB\textsuperscript{+17a}, Gre86, KSZ\textsuperscript{+15},
Kh17a, NON5, PM18, Roc89, SCB87,
VR94, VJ19, WLX\textsuperscript{+18}, ASK\textsuperscript{+12}, AAR05,
BJ05, BPK05, BGB\textsuperscript{+05}, CCA\textsuperscript{+12}, CGG\textsuperscript{+04},
CDM\textsuperscript{+02}, gDGP02, D815, DAB15, DSP06,
DLSCS08, DIP\textsuperscript{+18}, ESC16, FGBP11,
FH10, FMK\textsuperscript{+03}, GDAB\textsuperscript{+17b}, GGG\textsuperscript{+13},
GBP11, GM05, GAB20, GJK\textsuperscript{+05},
HBLM11, HMC11, ISF07, JHY\textsuperscript{+14}, JP04,
Ju04, JZH07, KIL\textsuperscript{+16}, KMM\textsuperscript{+02}, KGFF14,
KGS\textsuperscript{+18}, KSES14, KWN\textsuperscript{+17}, KOY\textsuperscript{+11},
KLM\textsuperscript{+12}, KS04b, KSSCO08, KH17b,
LAJJ14, LOMII1, LDPS84, LRA\textsuperscript{+07},
LSH\textsuperscript{+10}, LHLF15, LSSS18, LKYU12,
LBRM12, MCC09, NKJF09, NGDA\textsuperscript{+16},
NCVM005, ONOI04, PHL\textsuperscript{+09}, POB09,
PBSH13, PNDN12, PSK\textsuperscript{+12}, PNH\textsuperscript{+14},
PJH\textsuperscript{+17}, RID10, SXZ\textsuperscript{+17}, SLF\textsuperscript{+11}, SILN11,
SHOW02, SSB03, SGG\textsuperscript{+06}, TLK09, TK14,
TDM11, TREO16, VGD\textsuperscript{+12}, VBPP05,
VKS\textsuperscript{+14}, WOR11, WMC11, WLN\textsuperscript{+13},
XL\textsuperscript{+11}, XWW\textsuperscript{+09}, XCF\textsuperscript{+13}, ZRLK07,
ZLP\textsuperscript{+15}, ZJMB11, ZLB16b]. Models-Past
[EST\textsuperscript{+20}. Modified [Lev06, LSSW19].
modifying [DMIF15]. Modular [LAM\textsuperscript{+11},
WST09, ZHRB13, FH11, GMP\textsuperscript{+16},
HFH\textsuperscript{+17}, JPP\textsuperscript{+14}, LLMZ16, XBZN19].
modulation [ZF03]. moiré [HC04, CH14].
molding [MPBC16]. molds
[AMG\textsuperscript{+18}, AMG\textsuperscript{+19}, NAI\textsuperscript{+18}]. moment
[BWBS14, PKHK15]. moments
[GOMP98, PMHD19]. Momentum
[Kh17a, Kh17b, MZ09].
Momentum-Mapped [Kh17a, Kh17b].
Monitor [LR90, LR91].
Monocular [GZC\textsuperscript{+16}, HXZ\textsuperscript{+19}, RKS\textsuperscript{+14}, XCZ\textsuperscript{+18},
GVWT13, GZW\textsuperscript{+16}, MGC\textsuperscript{+19}, SWTC14,
WC10, WGBB16]. monolithic [VLD\textsuperscript{+13}].
MonoPerfCap [XCZ\textsuperscript{+18}]. monotone
[LVS\textsuperscript{+13}]. montage [CCT\textsuperscript{+09}, LYGC15].
Monte [JM12, ALLD17, BVM\textsuperscript{+17}, BAGL19,
CKS\textsuperscript{+17}, DMB\textsuperscript{+14}, GHA\textsuperscript{+19}, GHZ18,
HET\textsuperscript{+14}, HRV\textsuperscript{+18}, KBS15, LADL18,
Mc99, OKH\textsuperscript{+17}, PSC\textsuperscript{+15}, RAMN12,
RMGH15, SHHD17, SD12, SWZ96, SJ17].
Mood [CB05]. Morfit [YHZ\textsuperscript{+14}].
Morphable [EST\textsuperscript{+20}, JCP\textsuperscript{+10}, MZD05].
Morphing
[LLX\textsuperscript{+14}, SG01, AMZ99, ZWSG02]. morphogenesis [PNDN12].
morphologies [HRE\textsuperscript{+08}]. morphology [CB14]. morphs
[RV11]. morse [FBT\textsuperscript{+18}, NCH04].
morse-parameterization [FBT\textsuperscript{+18}].
mosaics [BA83, KP02, RAKR08]. MoSh
[LMB14]. motifs [ACOH\textsuperscript{+18}]. Motion
[AJM12, AFO03, ACOY08, AFP\textsuperscript{+05},
DKD\textsuperscript{+17a}, GXY\textsuperscript{+17a}, HTCH15, JTCW07,
KDR\textsuperscript{+16}, KGP02, LCL06, LWB\textsuperscript{+10}, LSC\textsuperscript{+08},
LWS02, LTF\textsuperscript{+05}, MWZ09, MC12, PSE03,
PKC\textsuperscript{+16}, PB02, SPS\textsuperscript{+11}, TZK\textsuperscript{+11}, TBvdP04,
WFS°09, WLSL10, WF96, ZXS°12, AJS20, AWL°19, ALL°20, AWL°20, AXR09, AF02, Ari06, ACOH°18, BHR13, BSS°13, BBA°07, BLCD02, CMZP14, CH07, CLQW08, CL09, CLS03, CBL°16, CGZ°05, CYT°18, CHP07, DWW°18, DCP°14b, DMHG13, DKD°17b, ETH°09, EMO10, FP03, GSH18, GDP°18, GSKJ03, GXY°17b, HYL12, HET°14, HRvdP04, HYNP20, HRE°08, HKT10, HS16, Hol18, HKPP20, HHC°19, HDK07, HXX°19, HQL°10, HPP05, HCTW11, HMT°15, IAF09, JYL09, JWDL19, JS08, hKPS03, KHHL09, KG08, KLTM08, LBJK09, LCR°02, LSR18, LAGP09, LHg°14, LZC16, LZC16, MP07, MCC09, MWWI15, MK05, MRC05, PHT°13, Par17, PH06, PCSS06, motion [PRMG16, PMRMB15, RAT06, Rd07, RP03, RP07, RPE°05, RSH°05a, RRC°16, SHP04, SH07, SHU°16, SSBG10, SJ08, SNF05, SKL07, SZZK20, SP05, TK05, TBV°12, TA°H°04, TGPS08, VKB°18, VAV°07, VSHJ12, WRDF13, WAO°09, WB08, WMZ°13, WC10, WMC11, WZC12, WL16, WL°16, XWC15, XWL°08, YM16, ZSKS18, ZZMC13, ZMCF05, BZL°17], Motion-aware [WFS°09]. Motion-based [WLSL10]. motion-beat [hKPS03]. Motion-driven [AJM12]. Motion-guided [ZXS°12]. Motion2fusion [DDF°17]. Movements [KH17a, DJ18a, HRZ°13, HOKP16, KG04, KH17b, LJ14, LyvdPG12, PCSS06, RV11]. Motivated [MKMS04]. motorcycle [SPGT18]. mountainous [BST°09]. Mounted [YLC°20, FRS19, KBDB17, LTO°15, SPS°11]. mouse [HGRT04]. move [Lau18]. Movement [DKD°17a, DKD°17b]. movements [NRH17, SZKZ20]. mover [SRGB14]. moves [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, WJL°20]. moving-least-squares [WJL°20]. MoXi [CT05]. MPEG [MEMS06]. MPN [FQL°20, SSJ°14, WLF°20, WFL°19]. Multi [Ang17, BHMK°18, BBA°07, CQD°18, DXZ°19, GSMD07, GWB05, HNH19, HHC18, KL17a, KL17b, Kim10, KH17a, KIM°19, LSA°16, MEM°19, MPH°15, OBA°03, PGZ°19, PO18, RGB16, RSH°05b, RSLA09, SJ17a, SJMP10, TGK°17, TFBW°10, TFD°18, WOR10, We10, XZJ°12, AAC°06, ASI°17, BNK10, BDW13, CTH°14, DWW°18, DE05, DJ05, FZBR16, FFLS08, FAR07, FM1°17, FBCZ18, GCP13, GP09, HSB°12, HGF14, HDD°16, HLR°17, HZC17, HKHL09, Kou16, LWH°11, LLL18, LTJ18, LMR°15, MHS°19b, NMD°17, NOP°18, NAB°15, ODA05, Par17, PLW°07, RTF°04, RP09, SM17b, SBK°18, SHHW16, SKSY08, SCT°15, SARW°15, SZZK20, TA°H°04, VSLD13, WBCG10, VWRKM13, VBMP08, VPB°09b, WWS°05, WQS°20, WLO°14. WGDE°19, XLS°11, XLY°16, YLC°17, dAST°08]. Multi-aperture [GSMD07]. multi-axis [DWW°18]. Multi-body [MEM°19]. multi-cage-based [GCP13]. multi-camera [SHHW16]. multi-channel [HLR°17]. multi-character [HKHL09, SKSY08, WLO°14]. Multi-chart [BHMK°18, GP09]. Multi-class [Wei10]. Multi-Contact [KL17a, TFD°18, KL17b, SZKZ20]. multi-CPU [WQS°20]. multi-dimensional [WWS°05]. Multi-directional [PO18]. multi-exposure [TAH°04]. Multi-feature [TFBW°10]. Multi-finger [GWB05]. multi-flash [RTF°04]. multi-frame [WGDE°19]. multi-frequency [CTH°14]. multi-labelled [HSZC17]. 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, VWRKM13, YCL+17].
multi-object [FZBR16, Par17].
multi-objective [LLL18]. Multi-operator
[RSA09]. Multi-Order [KIM+19].
multi-person [LMR+15]. Multi-perspective
[KKH+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,
SJP10, XZJ+12, ASL+17, FFLS08,
FMB+17, FBGZ18, MHS+19b, VSLD13].
Multi-Source [SM17a, SM17b].
Multi-species [TGG+17]. multi-touch
[RPM09]. Multi-View
[HNH19, HHC18, PGZ+19, Koun16, LTJ18,
NMD+17, NOP+18, ODAO15, VBMP08,
VPB+09b, XLS+11, XLL+16, dAST+08].
multi-viewpoint [AAC+06]. Multibody
[MHN+15, PAK+19, ErI07, KSJP08, LT08,
TJ07]. multicopter [DSZ+16].
Multidimensional [HJW+08, HH90, RO85,
ROS7, WABG06, GM09]. MultiFab
[SARW+15]. MultiFLIP [BB12].
multifocal [CKS18, MSM+17]. Multigrid
[KS11, BFGS03, KH08, SYBF06, SBZ09,
TMJ15, ZSTB10]. multilayer
[HBL11, HLB12, WLHR12, YJB+14].
multilegged [KLV20]. multilevel
[GPCP13, KS11]. multilinear
[TS12, VT04, VBPP05]. Multimaterial
[DBG14]. multimodal [WCPM18].
multipath [KWB+13, MHS+17].
Multiphase [YJL+16, YWW12b].
multiplane [ZTF+18]. Multiple
[EPO91, HHdD16, HC86, Joe89, KF93,
LSSF06, NID20, RLY+14, XH18, AWGB04,
APS+14, FG11, KGB+09, KVG+19, LJH+18,
MYRD14, MM06, MWM08, PBS04, SDIN18,
WTL05, WBS+14, WOQS05, WSVT13,
WMW15, YCR+15, ZYWK08].
Multiple-Fluid [RLY+14, YCR+15].
Multiple-knot [Joe89].
Multiple-scattering [HHdD16].
Multiplexed [HKD14, LLW+08, NZV+11,
RNd+07, WGT+05]. multipole [STZ+14].
Multiprocessor [GCPC88].
Multiresolution [JP03, LDW97, VR94,
dFP95, BMBZ02, BA83, CGB+04,
DHW+11, GM05, KN02, KS98, Lee05].
Multiscale
[FAR07, HRRG08, WYZG11, HH10, HMC11,
PKG06, SSD09b, TWGT10, TLHD03].
multisensory [EMO10]. Multisided
[War92, LD89]. multispectral
[LYL+16, MRK+13, SBK+18].
Multithreaded [HMLB16]. Multiuser
[DFYL19]. multivalued [MASS15].
Multivariate [CGM91]. Multiview
[DR+15, GFT+11, HC+18, KN06,
KD+17, LES09, WSS+19]. Multiway
[Tsa15]. muscle [GvdPvdS13, LPKL14,
LPLL19, PH08, SNF05]. muscle-actuated
[LPLL19]. muscle-based [GvdPvdS13].
muscles [LYP+18]. musculoskeletal
[FLP14]. Musculotendon [SKP08]. mush
[LL19]. music [LYGC15]. music-driven
[LYGC15]. mutations [LLR+15]. My
[HAB16].

Naive [Mor11]. nanostructural [AHB18].
narration [JMD+17]. narratives [CM10].
Narrow [LHZ+18, ABO16]. Narrow-band
[LHZ+18]. Natural [JMA06, KAEE20,
SJ94, SGWJ18, WTB07a, BAC+06,
KH14, Pel10, RPE+05, ZMS98].
natural-constraint [KHD14]. naturalistic
[NB11]. Nautilus [LSS+17]. navigate
[RMBB+13]. Navigating [LS00, SSC19a].
navigation [CDH13, KC19, SAZK06].
NC [HA92]. NDFs [RBSM19]. Near
[ALK+17, BHR13, HGM14, KKN+13, LL13,
LH04, SCL+17, TLP07, CAJ09, HCW15,
CQD+18, FQL+20, KJDL09, LHP05, MLPP09, PMS12, VMFTF09, **nonlinearity** [KTS+14]. **nonminimal** [ABJN85]. Nonparametric [Hob90].

**nonphotorrealistic** [HTER04]. Nonplanar [Mil87]. **nonreflective** [SKM10]. Nonrigid [SK16, WAO+09]. **Nonsingular** [BHN98]. Nonsmooth [SRH99, HsTP12, HK10b, DCD15, DLL+18, EHA12, FCODS08, GLL+04, GOMP98, GMB17, HsTP12, HK10b, HvKW+16, HFG+06, IM10, IZT+07, ICG17, JTRS12, JP03, KHFH11, KR+12, KL+14, LNWB03, LSZ+14, MZL+17, MPI+18, MPB17b, NLGK18, OHR14, PL+16, SvTSH14, SY05, SSM15, SDW+16, SVB+12, SBK11, SM06, SZS+08, TISM16, VA88, WTL05, WTL06b, WWY+13, WWY+15, WKHA18, WW13, WZQ+18, YTBK11, ZIT+18, ZIT+19, ZBYX19, ZSMS14, vTSSH13]. oblivious [MBK+10, LPM05]. **Occlusion** [HaRv04]. observations [SCH+16]. obstacles [ABO16]. obstruction [XRLF15]. obstruction-free [XRLF15]. Occluded [KZSR16, WCF07]. Occluders [HOZ+19, EHDT11, GRBP09, LRAT08].

**Occlusion** [MJJG18, EDR11, HK18b, KE18, PFHA10]. **Occlusion-Aware** [MJJG18, HK18b, KE18]. OCEAN [DKD+17a, DKD+17b]. Octahedral [SVB17a, ZVC+20, LZX+18, SVB17b].


On-the-Fly [DNZ+17b, VSDL13, DNZ+17a, LYYB13, RTS+07]. once [HA18]. One [OF01, JLF+09]. One-Dimensional [OF01]. one-to-many [JLF+09].

Online [BVG11, BWP13, HET+14, HRL15].
HLW⁺¹⁸, TTR⁺¹⁷, ZXTZ¹⁵, KJ₀⁹, RMBB⁺¹³, STJ⁺¹⁷, VKK₁⁸, YGH⁺¹⁷.
only [DHF⁺¹⁶, FBC₁⁸, LFZ₁⁰]. Opacity [GRT₁₃, MPN⁺₀²]. opaque [SOA₁¹]. open [MRA⁺¹³, YYᵐ⁺¹₂a]. OpenFab [VWRKM₁₃]. OpenSurfaces [BUSB₁₃]. operated [Ros₂⁰]. Operation [BN₉⁰].
operations [AD₀₃, HSI⁺¹₂, IM₁⁰, KH₀⁸, LZWK₁₀, Man₈⁶]. Operator [AOCBC₁⁵, BDK⁺¹⁶, LKG⁺⁰₃b, RSA₀⁹].
Operators [EC₉₃, AC₆M₁₂, AML₁₈, Bel₁⁸, KW₀₃, LCTS₀₅, LJO₁⁹, MBW₀₂].
Opponent [SCB₈⁷]. Opt [DMZ⁺¹⁷].
OptCuts [LKK⁺¹⁸]. Optical [OK₁₀, PRM₁₄, SS₁₉, HLW⁺¹⁸, Hol₁₈, HLZ₁₀, HLB₁₂, LJM⁺¹⁶, MLY₁⁹, SGM₁₂, VWJH₁₇]. Optically [Ste₂₀, SZD⁺²⁰]. optics [Fre₁⁶, IGP⁺¹⁷, LGX⁺₁₃, NYY₀⁴, SDP⁺¹⁸, WFDH₁₈, YHW⁺¹⁸].
Optimal [AHL₁₇a, AHL₁₇b, BLdg⁺¹⁶, GVNB₁₈, KVG⁺₁⁹, LM₀₉, NAB⁺¹⁵, SW₁₈, SSC₁₈, SV₁₉, WP₀₉a, YL₁₀, BcSP₀₉, BPC₁₆, BC₁₉, FAB⁺¹⁸, JKT⁺¹⁵, KCPS₁₃, LCCS₁₈, LDS₀₂, McK₈⁷, Msm⁺¹⁷, NJR₁₅, SH₀⁷, SgGP⁺¹⁵, TLP₀₇, WPP₁₄, WJ₁₉, XSHR₁₈, ZLWH₁₆, dBOD₁₂]. optimality [BCC₁⁰].
optimised [DFM₁₃]. Optimization [ASF⁺¹₃, DMZ⁺¹⁷, HNH₁₉, JYL₀⁹].
LCP⁺₁₉, WLF⁺₂⁰, ZSCM₁⁷b, BZCC₁₀, BKR₁₇, BOF₁₈, CH₀⁷, CGM₁₁, COS₁⁹, FH₄⁰b, GWW⁺¹⁸, GPD⁺¹⁸, GRT₁₃, HFF₁₆, HDN⁺¹⁶, HMG₀₃, HZG⁺₁₂, JTSW₁⁷, KSN₁⁷, KGL₁₆, KSS₁⁷, KEBK₀⁵, LDK⁺¹⁸, LZ₁⁴, LLW₀₄, LWC₁₂, LHdg⁺¹⁴, LLMZ₁₆, LWL₁⁷, LKK⁺¹₈, LGL⁺¹⁹, LHP₀₅, LXY⁺₁⁶, LHI₁₈, LHZ⁺¹⁸, LSB₁₅, MDLW₁₅, MTP₁₂, MWTK₁₃, MAB⁺¹⁵, MHR⁺¹⁶, PL₀₇, PDZ⁺¹⁸, PTH⁺¹⁷, RKAP⁺¹₂, SXZ⁺¹⁷, SZB₁₈, SZT⁺⁰⁷, SPSH⁺¹⁷, SCT⁺¹⁵, SaLY⁺⁰⁸, SDP⁺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, WTS₁⁸, LH₁₆, LKK⁺¹₆, MWBR₁₃, MMgd₁₁, OHB⁺¹₁, SLWS₀⁷, WLSL₁⁰, XUC⁺¹⁴]. Optimizing [AKJ₀⁸, CAA₀⁹, GSH₁₈, HSG₁₁, HH₁₀, Ter₁⁸, WFC₀⁹, WH₁₀, WHDK₁₂, BWBS₁₄, LHKR₁₀, LYH⁺¹⁵, TDM⁺¹⁴].
OptiX [PBD⁺¹⁰]. Orbifold [AL₁₅, AL₁₆, AKL₁₇]. Order [BIW₉₃, BSE₁₈, EC₉₃, Jan₉¹, KIM⁺¹⁹, MJG₁₈, BSS⁺¹₁, GKH⁺¹₃, GI₀⁴, MAB⁺¹⁵, RMB₀⁷, SMM₁⁴, ZRB₁₄].
Ordered [BSW₀₂, RMG₁⁵]. Ordering [AEC₁⁵, Wl₉²]. organization [HSS⁺¹₃].
Organizing [XMZ⁺¹⁴, PHL⁺⁰⁹]. orientation
[FCOS₈⁰, HZM⁺⁰⁸, LSL⁺¹⁸, RPW₀₁₈]. orientation-preserving [RPW₀₁₈].
Oriented [Bar₈⁶, SB₉₃, CGM₁₁, FvKB₁⁶, MC₁₁, QHY⁺¹⁶]. ornamental [ZCT₁₆]. ortho [TS₀₈]. ortho-image [TS₀₈]. orthogonal
[PPTSH₁₄, RHSH₁₈b, LF₀⁸]. Orthotropic [MSDL₁⁷]. OSCAM [OHB⁺¹¹].
outdoor [LRT⁺¹⁴, SPDF₁₃]. Outdoors [DRC⁺¹⁵]. outfit [YYTC₁₂]. Output
OverCoat [SSGS₁¹]. overcomplete [MWBR₁₃]. overdraw [SNB₀⁷]. overlap [KA₀⁸]. overlapping [Pik₈³]. overlay
[Sd₀²]. overview [ACOYŁ₀⁸].
P₂P [YHCOZ₁₈]. P₂P-NET [YHCOZ₁₈].
pack [CZL⁺¹⁵b]. packets [JW₁⁷]. Packing
[SHWP₀⁹, LVS₁₈, LFY⁺¹⁹, RRS₁₃, YCL⁺¹₅]. pad [RP₀⁹]. paGAN [NSX⁺¹⁸].
paged [AGL⁺¹⁷, SABS₁⁴]. Paint
painterly

[BBS+13, BOD+13, ZZZX09]. Painting
[ARS14, CH04, gDGPRo2, LFb+13, SED16, SMPZ15, ZSSJL20, CKIW15, LBDF13, MP08, SSGS11, SBK+18, XCW14].

Painting-to- [ARS14]. paintings
[BSS+11, BTFN+08, TDSG15, XKX+06]. pair
[BDD11, HXM+13, ÖGJ12]. pairs
[AP08, PSA+04, YHL+18, YQS07]. pairwise
[AMCO08]. Palette
[CFL+15, MVH+17, SLD17, TEG18].
Palette-based [CFL+15, TEG18].

palette-space [MVH+17]. panchromatic
[WHB+12]. Panel [XIM18]. Paneling
[EKS+10]. panels [PSB+08]. Panorama
[HLH18, STP12]. Panoramas
[YLC+20, AAC+06]. Panoramic
[AZP+05, DKO9, HCS13, LKK+16, OEE+18].

PantaRay [PFHA10]. Paparazzi [LTJ18].
Paper [SRH+15, CT05, LSH+10].
papercraft [MS04]. Papers
[Ano85b, Ano92b, Spe03]. Paradigm
[BBB+93]. paradigms [KP09, KP10].

Parallax [KAW20, KDR+16, LHKR10].
Parallel [BWWM10, CG89, CZY17b, HMLB16, KS95, LH05, NM16, WDB+08, Wei08, ACGT12, ASA+09, CZY17a, FFB+09, GLdFN14, GLHL11, REG+09, SS10a, TBV12, WQS+20, YHX+14].

Parallelepiped [PVY90]. Parameter
[FG90, JW15, Pag98, Pat85, Pat87, MMT18, YLYW18, ZS00]. parameter-free [MMT18].

Parameterization
[LCOLTE07, AB89, ACP03, DHB17, DJ18b, FBT+18, GDC15, GGS03, KG04, KS04b, LKK+18, LYvdPG12, PKC+17, RLL+06, SS15, TBT508, WSSK13, ZMT05].

Parameterization-free [LCOLTE07].

parameterizations [KLS03, LYNF18].

parameterized [BWSK12, LLKP11].

Parameterizing [HSH10, Gos00].

Parameters
[DB88, Res87, DIO+12, SD12, ZWDR16].

Parametric
[BSN16, Fil89, MD94, MIB15, RS14a, RS18, SSB+17a, SLm+17a, ZFL+10, BBGB16, HB89, LBAD+06, RS98, SSB+17b, SLm+17b, SL17, SD98, VKS+14, WDB+08].

Parametrization [CSZ20, LCBK19, BCW17, CBK15, CLW16, MZ12, MZ13, MP14, PTSZ11, PH03, TPP+11, WZ14].

Parametrizations [BHKN98, PU06]. Pareto
[LD02]. Pareto-optimal [LD02]. Paris
[DSG+12]. Parquetry [IWHH20]. Parsing
[BGX+13, CZL+14, FNO89, ZZZX09]. Part
[HKC+18, BJD+12, HLV+17c, KLM+13, SFCH12, XLZ+10, YHL+18, Go84].

part-based [BJD+12, KLM+13]. Partial
[HFW+19, HOZ+19, MGP06, XZT+09, BWS10, BC19, GCO06, XZJ+12].

Partial-Shape [HFW+19]. Participating
[Fat09b, FCJ07, HED05, HWH+06, YCL+16, SLD17, SFCH12, XLZ+10, YHL+18, Go84].

Particle
[REE83, ZGW+13, APKG07, FOA03, FGG+17, GPH+18, HRL15, JSS+15, LAD08, MMCK14, MBT+15, NFD07, SRF05, SG11, XIAP+17, YCL+17, YTL13, ZBL16a].

Particle-based
[ZGW+13, LAD08, MBT+15, YTL13].

particle-in-cell [FGG+17, JSS+15].

particle-laden [GPH+18]. particles
[MC11, PTC+10, WJL+20, YHK07, dGW+19]. partition [ACA+19, OBA+03].

partitioned [ANZS18]. partitioning
[LBRL12, SHFH11, YCL+15]. parts
[LMM11, LBRM12, YSL+14]. party
[EM+12]. pass [CCOST05]. passive
[BKH+11, BHP10, CBO4, DRW+14, FRS08, HMT+15]. Past [EST+20]. paste
[BBZ02, LSS05, LvBk+10]. pasting
[JST06]. Patch
[BKR17, KSB+13, LLX+01, XLY09, BZL+15, CWL12, DSB+12, HZW+13, SKY+12, WSL18].

Patch-based
[BKR17, KSB+13, LLX+01, XLY09, CWL12, DSB+12, HZW+13, SKY+12, WSL18].

Patches [BCX95, GPSZ11, LCL06, LS08, LSN09, SKSY08]. Patching [Pet01].
PatchMatch \cite{BSFG09}. PatchNet \cite{HZW+13}. PatchTable \cite{BZL+15}.

PATEX \cite{GBLM16}. Path \cite{BYRN17a}, CA00, CFS+18, FHL+18, GIF+18, HZE+19, KIM+19, NID02, SNM+13, BPE17, BYRN17b, CRS+16, CTE05, FZBR16, HJ11a, HPJ12, HR13, KHD14, KMA+15, KB12, LHZ16, MHM+09, MKD+16, MGJ19, PVG19, SHHD17, SMGH18].

path-based \cite{MHM+09}. Path-Space \cite{BYRN17a, SNM+13, BYRN17b}.

path-traced \cite{HR13}. Path-Tracing \cite{CSA02, Wan18a, WSH19, YWVW13}.

Pattern \cite{BWKS11, YCZ11, BSK+16, DFW20, GBLM16, LRFH13, POB09, PH15b, SCA02, Van18a, WSH19, YWVW13].

Pattern-aware \cite{BWKS11}.

Pattern-guided \cite{YCZ11}.

Patterns \cite{Ros20, AHD15, BK1+13, BSM+07, CLQW08, DEM06, DLL+15, HCE03, HSF07, JTV+15, KS04a, KSS06, KRD+12, KCPS15, LWS+18, LBW+14, LZH+17, PPW18, PHD+10, RFL+05, SP16, VMW17, YBY+13, ZJL14].

PCHE \cite{PCH, YXH14}. PCU \cite{HMC+07}.

PDE \cite{UBW99}. PDF \cite{HSS+12}. Peeling \cite{LZF+19}.

Pen \cite{And83, KNBH12].

Pen-and-ink \cite{KNBH12}.

Penalty \cite{GA20, TMOT12}. Pendulum \cite{KVH1a, KH17b}.

penetration \cite{JTL+12, PZM13, TK14}. people \cite{ASK+05, CGL+08, JMB+14, LAR+18, WKA18]}

per-frame \cite{WHSL11}. per-pixel \cite{BM05}.

per-triangle \cite{SOA11}. perceived \cite{HCOB10}.

perceiving \cite{HMO12}.

Perception \cite{CAD19, HDS+18, MKMS04, OD01, PLKD18, RBF08, VRC+13, BOD+13, CGZ08, KWK09, MBB12, VLD07, ZAJ+15, ML+08}.

Perception-aware \cite{PLKD18}.

perception-based \cite{CGZ08}.

Perception-driven \cite{HDS+18}.

Perception-based \cite{MKMS04}.

Perception-based \cite{SN17}. Perceptual \cite{DKD+17a, FRS19, HOKP16, MS05, RP03, SLF+11, SFWG04, TGD04, TGD18, UHT17, ZLP+15, DRE+11, DKD+17b, GSCO12, LKS15, PLR+16, SMD+15, WAKB09, YI17].

perceptual-based \cite{YI17}. Perceptually \cite{DPF03, HTER04, KO11, OG15, SFLM04, SHK+17, GWM+08, KYS+15].

Perceptually-driven \cite{DPF03, KYS+15].

Perceptually-guided \cite{SHK+17].

Perceptual \cite{CM83, CH05, FJA12, AND83, KNBH12}.

Performance \cite{CM83, CH05, FJA12, AND83, KNBH12}. Performances \cite{CM83, CH05, FJA12, AND83, KNBH12}. Performance-based \cite{CM83, CH05, FJA12, AND83, KNBH12}.

Performance \cite{CM83, CH05, FJA12, AND83, KNBH12}.

performative \cite{BJS+08]. performed \cite{SP05}. Performing \cite{NN90}.

Periodic \cite{RLL+06, LWS+18].

Peripheral \cite{WWH04}.

Permission \cite{ZG02}. Person \cite{ASN+20, KCS14, LMR+15, GRH+12}.

Personal \cite{JMAK10}. personalities \cite{ZCL18}.

Personal \cite{JMAK10}. personalities \cite{ZCL18}.

personal \cite{JMAK10}. personalities \cite{ZCL18}.

personalization \cite{TTR+17}. Personalized \cite{GZC+16, KIL+16}. Perspective \cite{FGS16, LSC+12, SD02, CAA10, GB08a, HJ11b, KH17a, KH17b, LGQ+08, SBK11, VRC+13].

Perspective-aware \cite{FGS16, LSC+12]}

Perturbation \cite{CA00, XXZ18}. Phace \cite{IKKP17].

Phase \cite{HKS17, WRDF13, BB12, FKN17, GSV+14, GXZ+13, Kim10, SSJ+14, YCL+17].

Phase-based \cite{WRDF13, FKN17].

phase-change \cite{SSJ+14].

Phase-functioned \cite{HKS17}. phases
[SZKZ20]. Phasor [GNHM15, TEZ+19].

[SRBRB05, BLR+11, HOMS05, RNGF03].

Phone [WGGJ+18]. Phons [AMI03, SLL19].

Phong

[BA08, Jam20, VW97]. Photo

[HHR+18, KFO14, LHE+07, SSS06, XZZ+11, YZ+16, BFS+19, BLDA11, CLY18, CLS+15, CFL+15, CYW+16, CZS+13, GSS+18, SGC+15, GAL+09, HSLG13, HE05, JMAK10, KOF13, KNC+08, LBD+12, OF12, SPDF13, SSS+08].

Photo-inspired [XZZ+11].

Photo-to-caricature [CLI18].

Photomontage [FF17b, BPD06, BPB13].

Photometric [TT09]. photograph

[FH04a, FSH+06, KSE14, KNC+08, LDPT17].

Photographic

[RSSF02, BP06, BPG13].

Photography

[AAC+06].

Photos

[BKD+08, DS02, DI0+12, HE07, KHFH11, KGFF14, RMD04, RSt+07].

Phonetic

[Les20, AJD+10, ARNL05, BPK+13, CZN10, ED04, GSMD07, HSG+16, HASK17, HK18a, ITM+14, KHIK11, KF09, KSI11, LSC+08, LW+08, MBWR13, MPN+02, MCE+17, NLGK18, Ng05, PSA+04, RAT06, RAWV08, SCG+05, VRA+07, VWJ+13, XRLF15].

Photometric

[HLHZ08, MS05, PCK+08, VPB+09b, WGP+10, XBS+19, ZRL+09].

Photomontage

[ADA+04].

Phonon

[DJBB19, GR+17a, BJ17, Dec05, GR+17b, GY+18, HOJ08, HJ09, HHJ10, HJ11a, JNSJ11, JNT+11, K13a, KZ11, LOW18, MM06, QSH+15, SJ13].

Photonic

[HGH13].

Photorealistic

[GN06, POB09, Tsa15, KP11a, PRFS18, RTF+04].

Photos

[AC015, FSGF16, MBGS15, GS08].

Photosensing

[RBV+04, RNd+07].

PhotoShape

[PRFS18].

Physical

[BSL+16, BKS+12, CSvRV18, HFM+10, KKRAK+16, YLY+19, BBG+13, LBDF13, MIWI16, PKM+18, SWK16, WW13].

Physically

[HMS05, HESL11, LCT19, NFJ02, SML+12, WLZ+09, WMC11, WDR11, YTJR15, BP08, FP03, GS04, LSGV18, MWRD13, MPP11, ODGK03, RYL13, SHP04, SNM+13, SH08, TK05, UIM12, WC10, WGH20].

Physically-accurate [YTJR15].

Physically-based

[HMS05, HESL11, LCT19, SML+12, WDR11, GS04, MWRD13, SNM+13, TK05].

Physics

[BSK+16, BVF17b, CYFW14, DLK18, EHSN20, GB13, HHC+19, KGS11, LBY16, LH17a, WTGT10, YPA+18, AVF17, CBvdP09, HMT+12, IKKP17, JLI11a, KIL+16, KPM+17, LHP05, LH17b, MMCK14, MTM16, MDLH10, PDZ+18, PAIVdP18, YRPF09, ZMM13].

Physics-Based

[BVF17b, LBY16, LH17a, EHSN20, GB13, HHC+19, AVF17, CBvdP09, IKKP17, JLI11a, KIL+16, LHP05, LH17b, MDLH10, PAIVdP18, YRPF09, ZMM13].

Physics-driven

[BSK+16].

Physics-Inspired

[MTM16].

Pigment

[MIWB02].

PicCam

[VLD+13].

Picker

[DK99].

Pictures

[KCSG18, Van82, CGZ+05, HDK07].

Piece

[NAI+18].

Piecewise

[DLTW90, LM01, Far89, GOMP98, LT09, LB06].

Pigment

[PRJ+13].

Pigmentation

[DFW20].

Pigmented

[HMM2].

PiGraphs

[SC+16].

Piko

[PTS015].

Pile

[HK12].

Piles

[HK12b].

Pinlight

[HK12].

Pipeline

[ML+14].

Pipeline

[SBH18, BKKL15, DNB+05, HGF14, KK13, WVRKM13].

Pipelines

[LNL15, HBD+14, MAS+16, PTOS15, RKL+11, RKA+12, SFB+09].

Pitching

[TAH+04].

Pixel

[BM05, HLR+14, KL11, SGM12, SCT+15, SaLY+08].

Pixelization

[HWH+18].

Pixels

[IWH+20, WHB+12].

Pixie

[OHR14].

Placement

[CMS95, HK12, XCF+13].

Placements

[GJWW15].

Placing

[BLA12].

Plain

[ACXG09].

Plain-weaving

[ACXG09].

Plan

[HNN19].

Planar
[CWKB13, EPO91, JHR+15, SG01, WX91, ZPBK17, vW84, ASP07, GMP09, HF06, HKAK14, KSH10, LXW+11, MSM11, MLB16, NCVM05, PSG+06, PL14].


Popup [LSH+10]. Porous [LAD08, TGK+17]. portal [GWN+03].
Portrait [SHS+17, SHS+18, BSM+13, CWW+12, CLS+15, FAC11, FSGF16, SBT+19, TZZ+18]. portraits [AECOKC17, KS16, KGT+18, LVG+13, MDK16, SED16, SPB+14, SLL19, YNS19, ZAE+14]. Pose [EM96, TSLP14, XB16, AZB09, ACC05, GWP+19, HKA+18, HOM15, KAL+17, L itu09, MSS+17, MDB+19, NOP+18, TBC+16]. pose-free [AZB09]. Pose-space [XB16]. poser [HKA+18, LCXS09]. poses [ZBYX19]. posing [BVS16, GCR13].
Post-production [PTMD07]. potential [CS00, LFS+20, OHR14]. Power [AGL+17, BLTD16, 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, SJJ12, TG17a, TG17b, VAV+07, AB20, BB17, CAJ09, EKA84, FTP16, JSB+10, KySK10, MSOC+19, SBdDJ13, SRNNO5, TWAD09, XCM+14, YJR17, ZG02, ZRL+09].
Preserving [ABO16, NKJF09, SK16, WX91, BHY15, BSBC12, CAA09, CZZT12, DBWG15, DHB17, ETK+07, FH07, FFLS08, FKY+10, GOTG05, HK10a, HKT10, JDD03, KEE13, LHM09, LCOZ+11, LGJ09, LKWS16, MSW+09, MCP+09, NSAC05, OL03, QPWH08, RPWO18, SLS+16, SSD09b, WWA+16, WZYR19, ZNT18].
presorted [CSN+12]. Pressure [BGI+18, GPB+19, LBB17a, ZZS+14]. preview [RRKKS+07]. Primal [ORK12].
MAG+09, PLMR17, SCB88, UTB+19, WPGM16, BVF+17a, BATU18, CCA+12, CZL+15b, DWL+18, DHL14, ESZ+17, ICG17, SBR+15, SBK+18, SARW+15, SRB+19, WWY+13, ZYZZ15, ZLP+15).

Printone [UPSW16], prints [CLD+13, FH15a, THKM13], prior [BSP+19, CCW18, CJNI+17, MYW15, WLW+19]. Priors [VR94, ISS16, LCCS09, SKAG15, WSCR18, ZZZ+17, ZXC+18].

PRISM [BKKG17], Probabilistic [CGK11, FW16, LRHF13, RHWW94, CLS03, KCKK12, KZ11, LCK+14, NKA08, WLP16], probability [DLC+15], probable [DTB06], probe [BB091, ORK12], probes [SL17], probing [OHX+14], problem [DIO+12, HPB07, LW16, OP11, XW09, YWH13].

Problems [FM84, GL84, OF01, DML17, GITH14, MSW14, MLT17, PKHK15, SPK16].

Procedural [BSW13, GDAB+17a, GJB+20, LLDD09, MLD16, MWW+06, SW14, TEZ+19, WOD09, BDK+16, BWS10, BN07, CH02, CEW+08, CDM+02, EVC+15, GDAB+17b, GGG+13, GSV+14, GSLM+08, HSS98, KW11, LD05, LW08, MZV07, NSCL08, NGDA+16, RMGH15, SP16, SM15, TLL+11, VGDA+12, WYD+14, ZBL16b].

Procedurally [KJ83], procedures [MCS15]. Process [MOR+18]. Processes [OZT16, IA09]. Processing [HXX+18, SGW+18, XWC+16, dGMM14, CPD07, CKPS17, CGZ08, CK11, GO11, HBD+14, HHD+16, HST+14, HDA17, HHN+02, KSH10, KH010, KG08, KWB+15, LG+18, LHLK10, LTJ18, MASS15, MAS+16, MMT07, OEE+18, PHK11, PKCH18, RKA+12, RH04, RVAL09, SR00, SDP+18, SLMR14, STP12, TWBO03, 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, TKS11].

Products [CJAM05], professional [LVS+16], profiles [KWB+13], Program [NN90, Spr82]. Programmable [GTDS10, LLW+08, LHVT17a, LHVT17b, SSBG10, HAM07, HGG+11, HM03, KLCP18, LB05, NS5+11, PTS015, PBH02, VAZH+09, WVRKM13, WSS05].

Programming [RK16, GF82, HGM14, PPV95, Wu92, ZB04, BLPW14, HZG08, HKG11, KABL14, LGA+18, MGAK03, NWYM19, SAMWL11, SFB+09]. programs [AMA+19, HZG09, RMGH15].

Progressive [DKHS14, FCOS03, GD02, HOJ08, HLC+19, JNT+11, KZ11, LDS03, LYNF18, SJZ19, SJ13, VMKK00, YSQ08, HJ09, HJJ10, KD13a, LJJH13b, PK05].

progressively [ZZV+03].

progressively-variant [ZZV+03]. project [Ano10, ZIT+19]. Projected [And82, YZX+18].

Projection [DGH16, ZN06, ARN10, DLT+18, GWGB10, HFR14, HSSH10, JBM+17, JTL+12, KYS+15, LFZ10, LCOLTE07, MS05, MWH07, ME05, PMA+14, SCT+15, SSW+13, ZB15a]. projection-based [MS05]. projections [AYL+12, BML+14, CAA09, KSJ08, MWBR13, MHR+16, SBK11].

Projective [BML+14, LJBBD20, PAT05, WG+13, ZLW+16, BE18, Wan15, Pat87].

Projectively [NY94], projector [BBG+13].

projector-based [BBG+13]. projectors [RVV03, RB+V04, SG12].

Propagation [SM17a, AP08, ACSM12, CRS+16, CRG+20, CZTZ12, ER07, Fat09b, GW11, HRL15, Lio18, MRA+13, QHY+16, RSM+10a, RS14a, RSL08, SM14, SM17b, SYJS05, VWJ+13, XLJ+09, YRM+13, ZRSM18]. properties [AH15, FCO07, NGD+06, OD04, SZG+13, WSM11, ZKB17].

Q [LWS+15]. Q-MAT [LWS+15]. QEx [EBCK13]. QR [CCLM13]. Quad [ULP+15, BCE+13, CBK12, CK14b, EBC13, ECB14, ESC16, FBB+10, LCBI19, PPW18, SW05, SPG18, TPSH13, TPS+11, TMB18]. quad-dominant [SPG18].
quad-fragment [FBB+10].
Quadragulation [FBT+18, LHJ+14, ACBO17, BWSS12, BZK09, DBG+06, HZM+08, MTP+15, ZHLB10].
quadragulations [PB1W14, VPR19].
Quadric [BC14, ERT14, LWS+15, KGL16].
Quadrature [GT96, FQL+20]. Quadratrix [CGM91, FNO89, GZ05, MIL87, TGB13]. Quadratic-based [GZ05]. Quadratic-Surface [FNO89]. Quadrics [SJ94]. Quadrilateral [DSSC08, DM13, LXW+11, PZKW11].
quadrotor [GSH18, JRT+15, RH16, XYH+18].
quadruped [LSCC20, ZSKS18].
quadrupeds [CKJ+11]. Quadtrees [LS00, AGA07, ABJOB5, BFK+16, SW85].
Qualitative [HSS+13]. Quality [AAP16, KK12, WSL+14, AAP17, AMMS08, ACM10, BWG03, BGA12, BBB+10a, BHB+11, BBN+14, CM+12, CBK12, CS00, CLS+15, CTW09, CLW+14, CJN+17, CCS+15, Csc19, DDD+14, GBAM11, GT96, HRH+13, LWC+13, MRK111, MHP+19, SHD+18, SJA08, SFVG04, WAC07, WHT+12, ZJ11, ZF03, ZKU+04].
Quality-driven [WSL+14]. quantifying [RPE+05]. Quantitative [CM83, TGZ18].
Quantization [Wu92, CCOST05, HRV97, LCBK19, Xia97].
Quantized [CB15, D11].
quantiﬁed-diffusion [DI11]. quantum [BSW02]. quartet [HSS+13].
Quartic [Joe90b, Pet89].
Quasi [LBK17a, LBK17b, TWL+05, ZB18].
quasi-homogeneous [TWL+05].
Quasi-newton [LBK17b, LBK17a, ZB18].
quasiconformal [LKF12]. Quaternion [HF94, KZ008]. Queries [MPB17a, BZ+15, HJ11b, MPB17b].
quilt [ZH+06].
Rack [TE82]. radar [LGK+16]. Radial [WLH+13, KN06, TS06].
Radiance [BDT99, HWZ+20, JDZJO8, MJG18, HW12, JNSJ11, KMM+17a, KAMJ05, RWG+13, SL17, SKS02, SLS03, SHHS03, SLS05, TS06, WKR99, LAM+11].
radiance-predicting [KMM+17a]. radiant [SSBD03].
radiative [ABW14, BRM+18, JAM+10, JAG18, ZRB14].
Radiosity [ACP+01, NN95, KRT90, DDP99].
RAID [GMW16]. rain [GN06, LCT19].
Rainbow [XIAP+17]. rainbows [SML+12]. raising [CL85].
Random
[HZE+19, NH08, PM95, AMA+19, CNX+08, GSV+14, KYW13, LSK+06, SD12].

**Random-access**

[NHO8, KYW13, LSK+06]. **random-phase**

[GSV+14]. **Randomized** [GF08, BSFG09].

**Range** [SB95, WS17a, ACP02, ACP03, AMMS08, BJO8, CZ11, DD02b, FKI+14, FJW02, HS+16, HFI+08, KSB+13, KR17, KUWS03, LSA05, MRR+13, MKNS04, MEMS06, MCHAM06, PMOR10, PTSZ11, RA06, SHS+04, TAHL07, Van06, WLHR11, WS17b, BZL+17, LCTS05]. **Rank**

[SW18, LHKR10, MK16].

**Rank-Constrained** [SW18]. **ranking**

[WLO+14]. **Rapid**

[KLPCP18, RvE93, WWA+16, HFTF15, HFF16, JB02, MGDB05, vdHDT+07].

**Rapidly** [Fo87, TMRL14, ZIT+19].

**RAPter** [MMBM15]. **Raster**

[Dim83, Lev84, McI92, VN85, WW82].

**Rasterization** [Hob90, AMS03, FR01, LAKL11, LHZ16, PR06]. **Rasterization**

[Tau94]. **Rate**

[WL1+20, HGF14, HDD+16, KLF+19].

**rates** [TDMS16]. **ratio** [NSJ14]. **Rational**

[BH98, Che92, EK98, HB98, KLN91, SG17, War92, AB98, BCW17, CADS09, Gal99, Joe89, ZS00]. **Ray**

[BK58, GHCC88, KGB+09, Kaj83, Lev90, LSC00, NKK+14, PP94, PBH02, RL95, SL+17a, VK+17, WIK+06, WBS07, WHG84, vW84, BT99, BAM14, DMB+14, DHW+11, EDR11, HJW+08, HQL+10, HZ11, IYY11, LAA+05, LAD18, MBK+10, Mor11, MHC+16, NPP+11, NND12, PFH10, PBD+10, RAWV08, RSH05b, SL+17b, SKC+14, WWB+14, WS99, WSS05, YMR+13, ZRL+08, BK87].

**ray-traced** [EDR11, PFH10].

**Ray-Tracing** [NKK+14, Mor11]. **RayCore**

[NKK+14]. **Razor** [DHW+11]. **Re** [JSSH15, Pav90, WP90, BHW16, DNZ+17a, GDC15, GPW+17, KD13b, MBPY+18, NKS08].

**re-creation** [NKS08]. **Re-Editing**

[JS1H15]. **re-integration** [DNZ+17a].

**re-meshing** [GPW+17].

**re-parameterization** [GDC15].

**re-rendering** [MBPY+18]. **re-simulation**

[BHW16, KD13b]. **reaction**

[DFW20, RCLM19]. **Ready**

[LLF+20, ZB13]. **Real**

[ASA+09, ADM+08, BHN98, BJ05, BP08, BZ11, BAOR06, CBZB15, CWW+16, CKH18, CPD07, CM11, DNZ+17b, DLK18, DYN03, DFYL19, EMU15, FKY08, GXY+17a, GXY+17b, HXZ+19, HV04, HRE+08, HDHN16, JTL+12, KJT+15, KZ+15, KIM+19, LH16, LSS01, LTK09, LLX+01, LFTC13, LHLK10, LBK17a, LZH+20, LB06, MP08, MBB+19, MCK13, NMD+17, NZIS13, PZ08, PO08, PO05, RWS+06, RHHL02, SBSH18, SNG+15, SL17, SS+18, TDL+18, TZN+15, TFS+18, TSL14, VRBC18, VTSSH15, WDD+05, WPP07, WP09b, WYM+16, WXLY17, WOG06, WZ+14, XZ+15, ZH+17, ZHWG08, ZRL+08, ZNI+14, ALY08, BK04, CWL13, CHZ14, CCW18, CH02, CBI13, CT05, CHP07, CNR08, DNZ+17a, DvGNK99, DLM+18, DHO05, DZ+17, DKG+16, DDF+17, FYK10, GO12, GCB+17, GB08b, HFF18, HMO12, HSW+17, HKA+18, HESL11, JBP11, JP02, KNS09, KCD06, KRF+18, KAM05, LSC11, LXC+15]. **real**

[LBK17b, LNWB03, MMK14, MHN+17, MB+18, MP04, MBB12, MSH+17, NSX+18, NOP+18, PRW+18, PKC+08, RSM+10a, RIK15, RJ07, SZT+08, SKS02, SRN05, TZT+18, TPT16, TLP06, TS12, VBG+13, WAO+09, WJBK15, WSJ1P7, XUC+14, ZBYX19, DASTH10]. **Real-Time**

[BJ05, DNZ+17b, DLK18, GXY+17a, HXZ+19, KIM+19, LBK17a, TFS+18, TSL14, VTSSH15, ZXT15, ASA+09, ADN+08, BP08, BZ11, BAOR06, CBZB15, CWW+16, CKH18, CPD07, CM11, DYN03, EMU15, FKY08, GXY+17b, HV04, HRE+08, HDHN16, JTL+12, KJT+15, LH16, LSS01,
LTK09, LLX+01, LFTC13, LHLK10, LZH+20, LB06, MP08, MDB+19, NMD+17, NZIS13, PZ08, PO08, POC05, RWS+06, RHHL02, SCT+15, SL17, SSH18b, TDL+18, TZN+15, VRBC18, WWD+05, WP07, WP09b, WYM+16, WXLY17, WOG06, WZN+14, ZZZ+17, ZHWG08, ZRL+08, ZNZ+14, BK04, CWLZ13, CHZ14, CCW18, CH02, CBI13, CT05, CHP07, DNZ+17a, DLL+18, DHO05, DKD+16, DDF+17, FYK10, GO12, GCB+17, HFF18, HSW+17, HESL11, JBPS11, KNS+09, KCODL06, KRK+18, KAMJ05, LZC11, LXC+15, LBB+17h, MCMK14, MMY+17, MBP+18, MP04, MSS+17, NSX+18, NOP+18, RSM+10a, RTK+15, RJ07, SKS02, TZZ+18.

real-time [TPT16, TLP06, TBG+13, WAO+09, WJB15, WJS17, XUC+14, ZBYX9, dASTH10]. Real-World [SBH81, AY08, FvGK99]. RealBrush [LBF13]. realism [CLS+17, XADR12].


Reconstructing [GVT13, KLL+16, LALD12, WGL+18, YT13, LCC+18].

Reconstruction [B20, CNHK18, DNZ+17b, GZC+16, GXY+17a, HNH19, HWZ+20, IH00, KIM+19, LSS19, SG82, SH+14, VMCS15, WBF+17a, YLC+20, YSHWH16, ZXTZ15, AKZ+17, ACP03, ASL+17, ASG10, BBN+12, BLN+13, BVO11, BKK+15, BNB13, CKS+17, C11, CBI13, CJN+17, DNZ+17a, DTB06, DXZ+19, ETH+09, EKD+17, FG14, GZW+16, GKT13, GD04, GXY+17b, HJW+08, HZW12, HWW+17, HRK+09, HK15, HZC17, HKS03, K13, KFW17, KHL19, KZP+13, KPK17, K12, LDK+18, LAC+11, LSR18, LKG+03a, LAGP09, LLZ01, LWC12, LGZ+13, LCPL07, LCL+17, LXS+18, LYO+10, Mc200, MMT16, MDB+19, MHC+16, NSZ+10, NZIS13, PZ17, PMA+14, RMD04, RKZ11, SS14, STJ+17, SKY+12, SSO10, SLS+07, SAL+10, SL17, SMG18, SSR20, SG10, TYZ+11, TBW+12, WBF+17b, WAO+09, WSL13, WST08, WBG+16, WZQ+18, XZZ+14, XHS+15, XZY+17, YHZ+14, ZBYX9, ZK13, ZK14, ZNI+14, ZHC15].


Rectangles [Bae82]. Rectangling [HCS13]. rectification [GG18, LSVT15]. recurrent [CS17, RIC15]. Recursive [KCODL06, LPX+19, NMLH14, SAI89, SFC012, ISD04, LXC+17, NMLH11, NMI6, XZC+18]. Recursively [BS88, BS90]. Redefining [UTB+19].

Redirected [DFYL19]. redirection

Refinement
[CCK92, CYFW14, LVS18, LFY+19, SCF+04, TWAD09, WZN+14, ZDI+15]. refining [SHK+14]. Reflectance [AAL16, CDP+14, CT82, CHB+12, DvGNK99, TG17b, BMD09, DTPG12, DCP+14b, DW+08, DHI+13, FBL07, FRL08, GHP+08, GZL14, Gup18, HP03, HLZ10, HP17, HHA+10, KCW+18, LXR+18, MSS+12, MPBM03, MAG+09, MHP+19, NZV+11, NJW+16, NJR15, PTMD07, TG17a, TFG+13, VLD07, WZT+08b, WRG+09, WGT+05, WMP+06, WPMR09, XDP+16, XNV+16, YSN+18, YJTR15, YJR17, ZJ18]. Reflecting [RT90, BHW16].


refraction [Wym05]. Refractive [ABW14, TB87, IZT+07, PmO10, PHN+12, SZS+08, WZHB09, YTK11]. refurbishing [ZCC16]. Region [SB95, KEE13, LSCO03, TDM11, WW13, YKc+16]. region-based [TDM11]. Regional [STZ+16, Kim10, LSS+17].

Regions [LMR83, LYF+20, GAB20, SF07]. registration [AMCO08, CZ11, HGCO+12, HYG+13, MDK+16, YNW16]. Regression [KIM+19, MCY14, SWW15, BPC16, CWLZ13, CHZ14, LJS+15, RWG+13, VKK18, WPP14, WPP07, WLT16].

Regular
[HGM14, SYSP14, VMW17, ANH17, LH04, LSP+13, LH04, MMB15, vW09]. regularities [THW+14]. regularity [PMW+08]. regularization [XCS+14].

Regularized [DJ17, IBB15]. regulated [WPL18]. rehabilitation [KDI19].

Reinforcement
[GUPZ20, HWZ+20, CYT+18, LP10, LH18, LSCC20, MTP+18, PBvP15, PBvP16, PYV17, PALvP18, PKM+18, XDF+19].


relation-augmented [GMW16].

Relational [Mac86, DNB+05]. Relations [KK91, vOV96, LWC+11, ZRB14].


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, HP06, NRH04, NO04, PTMD07, PV+05, PGZ+19, RDL+15, SZC+07, SZZ+08, SBT+19, WTL05, WTL06b, WGT+05, WS17b, XSHR18, ZCC16]. Relying [CH14].

remapping [GO17]. Remarks [Las90].

remeshing [AMCO02, ACSD+03, ESDK16, KS04b, NSO12, PH03, WRK+10]. remote [KTL+04]. Removal
[SO89, GOTT02, McK87]. Remove
[GTB15]. Removing
[ARNL05, FSH+06, GRBN09, WHDS04].

**Render** [MBB12]. **renderable** [LSS+19].

**RenderAnts** [ZH+09]. **Rendered** [OKH+16]. **Renderer** [BAC+18].

**renderers** [PGML+19, Sun06]. **Rendering** [BYG96, CFS+18, FH93, GFMS95, Gup18, HI20, JCW09b, JMY+07, KHFH11, KAW20, LXZ+19, LSCS14, LC96, MA93, MCY14, Pha18, Rap91, SM17a, Ste20, Sun06, TG17b, Tsa15, TB87, VADWG15, WHHY20, YHJ+14, YMRD15, YHW+18, YPG01, ALLD17, ATM+17, BWG03, BBPP10, BAGL19, BKM12, BKLK15, Be18, BOD+13, BFK+16, BST09, BF08, CBCG02, CXGS02, CLS+17, DI11, gDGPR02, DMB+14, DAD+18, Di18, DYN03, DIO+12, DHOO05, DWD+08, DPF03, DJ18b, ETH+09, EC96, EMF02, FFB+09, GLD+19, GN06, GZB+13, GM05, GHG03, GTDS10, GBAM11, GTR+06, GCH+19, GS04, HR05, HV04, HKWB09, HRDB16, HPP+18, HMC11, HSW+17, HESL11, HHN+02, HWJ+15, HWH+16, IZT+07, JAM+10, JM12, JdJMJ14, JMM+14, JB02, KV05, KMS+17a, KE18, KP11a, KHL19, KWN+17, KB12, KTL+04, KLS+13, KCYW13, KHLN17, LS02, LES09, LAC+11]. **rendering** [LHZ16, LSSS18, LB05, LB06, LH04, LKYU12, MBPY+18, MYRD14, MPH+15, MIGYM15, MMMG16, MPG+16, NH08, NLM12, NNDJ12, OL03, OKH+17, ODR09, OEE+18, PZ08, PSK+16, PVG19, PMHD19, RH02, RTF+04, RGB16, RMD04, RZL+10, REG+09, RKZ12, RJN16, SBdDJ13, SM17b, SD12, SHL+17, SSS+04, SKG+12, SKS02, SFWG04, SRNN05, SM06, SR09, TAV+10, TZN19, TG17a, TWL+05, TS12, TGD04, TAKW+19, VRC+13, VT04, WWD+05, WZT+08a, WRG+09, WHY+13, WYM+16, WS99, WW08, WJW17, WYF+10, WZYR19, XM+11, XCM+14, YTJR15, YHMR16, YSRJ17, YIC+10, ZXXZ09, ZHRB13, ZWDR16, ZLB+16b, ZRL+08, ZHR+09]. **rendering-aware** [DAD+18]. **renderings** [BVM+17, FJL+16].

**RenderMan** [CFS+18]. **reordering** [MBK+10, 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, DSJ+11, JMD+17, TSL+16, ZYQ+14]. **replacing** [BKD+08]. **repositories** [YGH+17]. **represent** [PMHD19]. **Representation** [BN90, DK90, GLL+16, SLM+17a, ABA02, ABJN85, BAS14, BAERD08, Boi84, CBCG02, DF88, FKY+10, GLLR11, HNB+06, HZW+13, KV05, KHD14, KCYW13, LRR04, LBAD+06, LKK+16, LZT+08, MASS15, MWW18, OBW+08, OBCS+12, PKG06, Pvm+06, RS98, RAKRF08, SPSH18, SLM+17b, STPP09, STZ14, WSLT18, Wim14, ZKU+04].

**Representations** [DS92, PBS20, WLY+16, ZYM+20, MGP10]. **represented** [VA88]. **Representing** [BDK+16]. **reproducible** [LSGV18]. **Reproducing** [HCE03, DTPG12, LDF14].

**Reproduction** [SFB92, DWT+02, ESZ+17, HFM+10, LYL+16, RSSF02, RP+12, SKB+18]. **reprojection** [SaLY+08, YTS+11]. **reprojection-based** [SaLY+08].

**Requirements** [SFB92]. **reradiation** [HHA+10]. **Resampling** [NI+14, HWG+13].

**Resampling-aware** [NI+20]. **rescreening** [KPF18]. **reshaping** [JTST10, ZFL+10].

**Residential** [FW16, LGZ+13, MSK10].

**Residual** [NSJ14]. **Resilient** [YLC+20, AAR05]. **Resizing** [WWF+10, AS07, DZP09, KSSCO08, WTSLO8, WFS+09, WHSL11]. **Resolution** [BF12, FJA+14, LS07, LB05, AGL+17, AYL+12, ACF+10, AB20, BHPS10, DER+10, ESCK16, GLD+19, GGY18, HSB+12, HW15, HG09, KSA13, KZP+13, LGX+13, LJFG17,
Mus13, NB11, SGM12, SDP+18, SXD+12, SZD+20, TREO16, VBCG10, VSK+17, WOR10, WGDE+19, XFC18, YHJ+14, ZSCS04, ZHRB13, ZSTB10.

Resolution-matched [LS07], resolved [AIH+08]. Resolving [VMT06, ZLB16a].

resonance [UPS16, WMB19]. Response [VJ19, JP02, PNH+14, TDM+14, ZMCF05].

Responsive [MP07, CK02, YL08].

restitution [WSJ017]. restoration [ALY08, BPK05]. Restoring [ZBG15a].

restricted [CM11, LLX+12]. Resultant [SG17].

Retaining [JZvdP+08, MTA+20]. reusing [Hai11].

reusing [BPE17, HA18]. reveal [CHM+12]. Revealing [DMIF15, WDW+15, WRH+12].

REVEL [BP12]. reverse [EKMI17, MAF+09, RTS+07]. Reversible [BJNJ18, ESBC19, LMAH+18, YYW+12a].

reviewers [TOP03]. revision [WC11].

reviewed [GS04, VW97]. Revolution [MHS+19a, HSST10].

Reyes [PO08, ZHR+09]. Reyes-style [PO08].

RFIG [RB+04]. RGB [BIP01, Bou18, CKH18, CLW+14, GXY+17a, MSS+17, SCB87, Sun06, TLG17a, TLG17b, WSXC16, YLC+20, ZZW+18, ZSSJL20, ZNI+14].

RGB-based [Sun06]. RGB-D [CKH18, CLW+14, GXY+17a, YLC+20, ZZW+18, ZNI+14]. RGB-space [TLG17b, TLG17a, ZSSJL20]. RGBA [UTB+19]. RGBD [GXY+17b, LCC+18, SXZ+12]. RGBXY [TEG18].

RGBY [WC91, WC90]. rhythm [DA18].


Ridge [OBS04]. Ridge-valley [OBS04]. ridges [JDA07]. Riemannian [ZWL+18].

Rig [GMP+16, HMT+12, SSR20, ZBBB18].

Rig-space [HMT+12]. Rigel [HDD+16]. rigging [BP07, BJD+12, LDI4, LWP10, XUC+14, XZK+20].

Right [McI92]. Rigid [BB14, CMT04, GPB+19, ZJ10, AIA+12, BR07, CAJ09, CZJ12, CBK09, DDB+17, GBR03, GSLF05, HSLG11, HFG+18, IM05, JTSB16, KEP05, LJJ14, LD12, MTP+18, NA1+18, PSE03, RMSG+08, TK14, Ten20, TBV12, TJ08, VSX+17, WSJP17, WP12, ZBG15b, ZNI+14].

Rig-body [ZJ10, CZJ12, LJJ14, PSE03, WSJP17].

rigid-fluid [AIA+12]. rigidity [CCW01].

RigMesh [BJD+12]. RigNet [XZK+20].

Rigs [GZC+16]. Ring [ACE015].

Ring-Ordering [ACE015]. RingIt [ACE015]. rings [PK+19, WPS14].

RLE [HNB+06]. roadmaps [CLS03]. Robot [YLC+20, DXZ+19]. Robot-Mounted [YLC+20].

robotic [GPB+18, HXK+19, HZH+16, MTN+15, ZPBC19].

Robust [BFA02, CBvdP09, CPS13, FH93, FCOS05, GJTP17, GPW18, PSE03, RMSG19].

Robustly [DBB+11, TMRL14].

rod [KTS+14, MLB16, PTC+15].

Rodent [PGML+19]. rods [BWR+08, MKB+10, SBR020, SJM17].
role [GXZ+13]. **Rolling** [JGN16, WFL+15].

**Rom** [DB88]. **room** [STXJ15]. **Rooms** [HC86]. **Rotation** [HFK94, Hi87, ACXG09, CGM11, JBY+19, LH16, LSLOCO05, NSF12, PBH15, WJZL08]. **rotation-invariant** [LSLOCO05].

**rotation-strain** [PHB15]. **Rotational** [PZ07, WPP07]. **rotations** [PR97a]. **Roto** [LVS+16]. **rotoscoping** [AHSS04, LVS+16]. **Rough** [IBB15, LLJ+18, SSISI16, SSI118b].

**Roughness** [TGZ18]. **roulette** [TH19, VK16]. **Round** [Pra89]. **Routing** [PRM14]. **row** [HPB07]. **row-column** [HPB07]. **RPU** [WSS05]. **rubber** [LGJ19].

**Rule** [Wan18a]. **Rule-free** [Wan18a]. **rules** [NSX+11]. **run** [GSKJ03]. **run-time** [GSKJ03]. **runner** [LYvdP12]. **Russian** [TH19, VK16].

**Sacco** [ATM+17]. **saccadic** [SPW+18].

**Saddle** [YWH13]. **safety** [KDI19]. **SAGE** [DN02]. **SAGNet** [WWL+19]. **SAH** [DFM13]. **SAH-optimised** [DFM13]. **Saint** [KTY09]. **salience** [GOTG05].

**salience-preserving** [GOTG05]. **saliency** [LDS+16, LVJ05, MLH+09, SLMR14].

**Salient** [GCO06]. **Sample** [GLA+19, DH06, WLM+15]. **Sample-based** [GLA+19]. **Sampled** [HZZ+14, YSHWSH16, APKG07, AA06, BGAM12, HRV+18, MWR12, P KKKG03].

**sampler** [ANHD17]. **Samples** [LNLB16, BJ17, XSRH18]. **Sampling** [Coo86, HSS98, HZZ+20, KWB+15, LLX+01, LYvdP+10, MAA+18, MMR+19, Ost07, Pac90, QCHC17b, Sah18, WP90, ARBJ03, ARNL05, APC+16, ALD17, BMV+09, BWWM10, CGW+13, CJAMJ05, CMT13, EDP+11, Fat11, FBLS07, GMS09, GKH+13, HJW+08, HPB07, HSD13, HWW+15, HWW+16, JZW+15, KTBV16, KVG+19, LRR04, LDF14, LWSF10, LWSC12, LADL18, MRK+14, MSOC+19, NJR15, ODJ04, OP11, OAG10, QCHC17a, RKLC+11, RAMN12, RAWV08, RHJD18, RKK11, SJ17, SK13, SZG+13, VKK18, WPC+14, Wei08, Wei10, WW11, WWZ+06, XNY+16, YW13, YL12, YIC+10, ZHWW12, EPM+14]. **sampling-and-recovery** [HWW+15]. **Sampling-based** [LYvdP+10]. **sand** [KGP+16, TGK+17, ZB05]. **sans** [DBWGW15]. **Sassafras** [Hi86]. **sauces** [NSG+19]. **scaffolding** [DHL14]. **scaffolds** [SKSK09]. **Scalable**

[CB13, Czy17b, CSK18, GGN18, HRDB16, LPLL19, PTC+10, RPPSH17a, RPPSH17b, WHSL11, AFTCO07, BDT+08, Czy17a, Dav20, DML17, FZB16, LCD+20, LMAS16, MP04, MGT+03, REG+09, WFA+05, WQS+20, WHG20, YKC+16]. **scalar** [PSF09]. **Scale** [LZC19, LYG18, ZSM17b, Ang17, ASL+17, BPD06, BL15, BBA+07, CQD+18, DFZ+17, EDF+16, FFLS08, FMB+17, FBG18, FYY+16, FAW19, FG14, GB13, GLDZ15, GNS+12, HP17, HHH19, IDN12, JPO3, KFW17, KSKL14, KPKZ17, KAB15, LDP13, LWL17, LSA+16, MHS+19b, MPH+15, MGP10, NZ13, PRFS18, PCHF18, RNFG03, RGB16, SWL11, SLSS03, SG11, SJLP11, SJMP10, VSLD13, WTSL08, WSM11, WFDH18, WDR11, WDR13, XZJ+12, YIO+15, YSQS08, ZSM17a]. **scale-and-stretch** [WTS19]. **Scale-aware** [LYC18]. **scales** [FG11, XLZ+10]. **scaling** [DPZ19]. **Scan** [RWW90, ACP02, ZSW+10].

**Scan-Conversion** [RWW90]. **scanline** [LHZ16]. **scanned** [XCG07]. **Scanner** [PHCF18, HLZ10, WAO+09]. **scanning** [CDP+14, FZBR16, HWV+18, HCTTW11, HDGN17, HFI+08, YSL+14]. **Scans** [FJA+14, ACP03, BR07, CZ11, LBB+17b, YW16]. **SCAPE** [ASK+05]. **Scattering**

[BBS14a, ESZ+17, FHK14, KML17, BAGL19, BCRK+10, DWP+10, FID17, FCJ07, GKH+13, HFM+10, HHdD16, KMM+17a, LJJ+18, MJG+03, MGJ19, MM06, MWM08, NZV+11, NGD+06, PvBM+06, STPP09].
Scattering-aware [ESZ+17]. Scenarios [TFD+18]. Scene
[HE07, KSH+14, KZP+13, LLZ18, RO85, RO87, ZXTZ15, ZYM+20, BHY15, CZM+10, DXZ+19, FSL+15, HXZW20, KBW+15, KPZK17, KN06, LCK+14, LXS+18, MLZ+16, MPF+18, MGC+19, NX12, NKGR06, RSI+08, SMZ+14, STZ+16, SMGH18, WSCR18, XMZ+14, XHS+15, YTS+11, ZN06, ZHG+16, ZK13, vdHDT+07]. Scene-aware [LLZ18]. scene-space [KBW+15].
SceneGrok [SCH+14]. Scenes [DRC+15, JGC+15, KAEE20, LPX+19, SM17a, VLA15, YLC+20, ZWK14, AAC+06, AZB09, ADM+08, BSM+07, BF08, CLW+14, CYX+15, CAC+02, DKD+16, FSH11b, FCW+17, GTDS10, HKWB09, JM12, JF03, KR17, KNS+09, LRT+14, LDTA17, LGZ+13, MPE+18, MP04, MRA+13, MMBM15, NNDJ12, PFHA10, RSM+10a, RWS+06, SM17b, SKY+12, SXZ+12, SKG+12, SZLG10, TPWG02, WIK+06, WB07, WLIW+19, WDB+07, WGL+18, XZY+17, YMR+13, ZSW+10, ZHL+05]. Schedule [LH17a, LH17b]. schedules [RKP+12]. scheduling [BDK+16, MAS+16, SK+12, SKB+14].
Selling [CSPF12]. Schematic [GCSS06]. Scheme [DLG90, LCD+19, DM13, PR97b, VB06, ZM11]. schemes [CADS09, LYLL08, WWT+06].
Schr¨odinger [CKP+16]. Schur [CZY17a, CZY17b, LMAS16, LPA+19].
seam-aware [LFJG17]. Seamless [APL15, CSZ20, SMHW16, KDM+16, LFH15, LSC+12, MGA+17, PMPHB17, LFJG17].
secondary [DJ18a, KKN+13]. SecondSkin [DS15]. section [SBSS12]. Sections [PK83, BVG11, HZCJ17, MSM11, NCVMO05, ZHCJ15]. sediment [GPH+18]. see [ALK+17]. see-through [ALK+17].
Seeing [EMO10]. segment [SG+13]. Segmentation [AASP17b, ST16, VFK+14, YSHSH16, AASP17a, AOP+18, ACA+19, CFG09, DAB15, HKG11, HFL14, JKS13, KHS10, SSR+17, SvKK+11, WGW+13, YGH+17].
selection [ACCO05, FAC11, JKT+15, LSS09, OLAH14, XFAT12]. Selective [RHJ18, 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, RvB+04, SPO10, SRL+15, TOK14, VHPW12, WLP18, WLH+13, YY17, ZJ12]. self-adapting [PSK+12]. Self-animating [CLQW08].
Self-supporting [WPL18]. Self-similarity [BD02b]. Self-Supporting [MHS+19a, DPW+14, LPS+13, MIB15, VHW12].

Semantic [AOQ+18, BVGP09, BSP+19, CQZ+11, HLC+19, HWV+18, LGZ+13, YCHK15, CLW+14, HXM+13, LMS13, MCI2, SXZ+12, TD16, TSL+16, WXYL17].

Semi-aware [TSL+16].

Semi-based [TD16]. Semi-Supporting [VVC+15]. Sensing [SZB18, NFZ12].

Self-regulated [LD14, LCC].

Semi-Supervised [WSVT13, XZCOC12, YCL].

Set-in-stone [DS92, AHD15, AMCO08, KTB07, Kim10, KG04, MASS15, PTZS11]. Sensing [BGK+13, Wan18a].

Shading [NSF12]. Shade [LBAD+06, LMP+13]. Shaded [OBW+08].

Shader [HHF+17, LS02, MDP+04, HFTF15, HFF16, Pel05, SAMWL11, SaLY+08, WYY+14].

Shading-driven [LS02]. Shaders [FH11, HSS98, VAZ+09].

Shading [FGHL+18, GZ08, KOF14, MVD+18, NON85, RV89, ZDI+15, AB08, BSM+07, CDP+14, CTM13, CTH+14, CM14, FBB+10, HGF14, HFF18, HDHN16, HZ11, LMLH07, RMB07, RBD06, SPJT10, SBSS12, TiAB107, VBFG12, WZN+14]. Shading-based [GZ08, ZDI+15, WZN+14].

Shadow [CFG+03, McCO0, MP09b, SCH03, WZC+20, WL16, AAM03, BCRK+10, EhE11, GLY+03, LAA+05, LS007, LGQ+08, PTG02, RGK+08, SOA11, SD02, WTBS07a, ZHL+05]. ShadowDraw [LZC11]. Shadows [GTB15, HPH92, KOF14, ADM+08, KOF13, MWR12, NRH03, PSBN+13, RMB07, RWS+06, SKO14].

Shake [FSH+06]. Shallow [WSZ+18].

Shape [BBB+93, BL20, BG011, CKPS18, DB88, HFW+19, HKC+18, JS11, KFR04, MOR+18, OFCD02, PKKG03, SK16, Sah18, SP018, SBB+17a, VFV+14, VR94, VTSS15, WLX+18, WBCPS19, XWC+16, YYPM11, YZX+18, AKZ+17, ALX+14, AXZ+15, ASK+05, AFTC07, BAS14, BBB+14, Boi04, BKWKS11, BWSK12, BJD+12, CB17, CWLZ13, C84, CMBK13, CZXZ14, CW17, CWB+18, CCW16, CSAD04, CSD+09, DLC+15, DFRS03, DYT05, ERB+12, FH07, FAR07, FvKBCO16, GCO06, GMMCO09, GYQ+18, GJW+15, HK12, HLFZC014, HKGI11, HGCO+12, HZG+12, HSG13, HWG14, HK15, HLW+19, HOM15, IMH05, KCKK12, KMP07, KCGF14,
TOK14, WM14, ZBG15b, FLGJ19, FMB+17, FBGZ18, GTJS17, SSJ+20, SSBD03, YLNPI12. **Simulation**
[B]SL+16, BK16, CXY17b, DKHS14, EM90, GDAB+17a, HWZ+14, HH16, KLL+07, KKKR+16, LYWG13, LBK17a, PMS12, RLY+14, SLST14, SDK18, SS00, XIM18, AR15, BGOS06, BGFAO17, BHW16, BML+14, BB12, BB11b, BDW13, CMT+16, CXW+05, C1KI15, C1VvR18, CAR+09, CM11, C1YZ17a, CLMMO14, CQD+18, CBK20, CGG+17, D1D16, DLF12, DLL+18, FLLP13, GDAB+17b, GKS12, GHH+20, GNS+12, G1H+07, GI1H14, GKS02, GHZ18, HMS05, HPJ12, HTC+14, HW15, HW16, HXZW20, HG09, HHH19, HIK+20, IGLF06, JP02, JP03, JWJ+14, KHD14, KSN17, Kau18, KGBS11, KJ09, KySK10, KP11b, KD13b, KG1+14, KP03, LST09, LPL19, LLJ+11, LDN+18, LCD+20, LBOK13, L1M+15, LBK17b, LCT19, M1K+10, MSW+09, M1B04, MYH+10, MC11, NGCL09, NSF12, NZWC20, NB11, NO13, OPD10, OKR10, PBH15, PDZ+18, PTC+10, QSH+15, RSM+10a, RNGF03, RK13, SSB+15].

**simulation**
[S]ML+12, SHD+18, SLF08, SABS14, SWL11, SMD+15, SOHK16, SG11, SSC+13, SKP08, SJLP11, TGK+17, TMJ15, TWL+18, TBV12, TJ08, UHT17, UPSW16, VMTF09, VKS+14, VK16, WY16, WMB19, WPLS18, WRK+10, WLP16, WMW15, Y1L+16, Y1X+15, YCR+15, ZNT18, ZB13, ZSTB10, dSAP08].

**simulation-ready** [B]13. **Simulations**
[MSQ+18, Thu17a, ATW13, ATW15, BP08, BSG12, ISF07, Kim10, LJS+15, LADO8, MBT+15, PSE03, RPC+10, Thu17b, TMS03, YCL+17, YSC+18]. ** simulator** [AB20]. **Simultaneous**
[B]JTK18, NLW+16, HV1T08, ISSI16, PTH+17, SKV+12, TFK+03, VSK+17]. **Single** [CWW+12, DAD+18, Fat08, G1HC17, GXY+17a, HMLL15, HWK15, LOW18, NZV+11, SYSP14, SBT+19, TFX+08, WZHB09, W17a, YPA+18, BGK16, BGK17, BS13, BCRK+10, BB1+10a, CLS+15, CSW+16, CZS+13, DMIF15, DTPG11, EKD+17, FSH+06, GSY+17, GZS+18, GXY+17b, GSLM+08, HSW+17, H1L+17c, JTC09, KSES14, KYC+17, LAGP09, LPD17, LXR+18, M1S+17, MDB+19, PSB+08, SJA08, STXJ15, SPD13, RN05, S1ZL10, W1GJ+18, W1TL05, W1X16, W1Z+18, W1Z12, W1TS08, W17b]. **single-camera** [W]1GJ+18. **single-image** [DAD+18]. **single-photo** [GZS+18]. **Single-photon** [LOW18]. **single-shot** [BGK16, BGK17, BB1+10a]. **Single-View** [YP+18, CWW+12, HMLL15, HWK15, LAGP09]. **singular** [KABL14]. **singularities** [SSC18]. **Singularity** [L1Z+18, LLX+12]. **Singularity-constrained** [LZC+18]. **singularity-restricted** [LLX+12]. **sites** [KGFF14]. **six** [KK1+11]. **six-user** [KKB+11]. **Size** [L1J+14, HCOB10]. **Sizing** [Bae82]. **Skaterbots** [GP+18]. **Skeletal** [HTC15, JS11, LD14, LH16, LY10, WH1+13]. **Skeletal-Surface** [HTC15]. **Skeleton** [ALL+20]. **skeleton-driven** [CGC+02, KP11b, LYYG13]. **skeleton-mesh** [BA14]. **Sketch** [ATW+17, CNX+08, ERB+12, ST14, ST16, TP1HS13, ZIH+11, CBL+16, DS15, E1HA12, LPL+18, LW1H15, NSAC05, PHS+18, SS116, S1118b, XCF+13, Z1L+18]. **Sketch-based** [ATW+17, CNX+08, ERB+12, TP1HS13, ZIH+11, CBL+16, DS15, LPL+18, NSAC05, PHS+18, XCF+13]. **Sketch2Photo** [CCT+09]. **Sketch2Scene** [XCF+13]. **Sketches** [IB15, HFL14, KHO6, LZO4, LRS18].
SBSS12, SLZ+13, TD16, XCS+14.
SketchMo [CBL+16]. Sketching
[BSM88, CKX+08, JHR+15, KG05, SSII18a, BS+13, GRGC15, HGY17, JZH07, LPL+17, NGDA16, PKM+11, PSE03, SLWF14, TBvdP04, WTBS07b]. sketchy
[SBHH16]. Skills [HL14, CBYvdP08, CKJ+19, LH18, PBvdP15, PBvdP16, PBYV17, PALvdP18, PKM+18, YCBvdP08].

Skin
[CBKM15, NFA+15, DBD+12, DWD+08, LSNP13, LST+19, PH06, PH08, SMP03, TOS+03, VBG+13, WWY+13, WMP+06].

skin-frame [WWY+13]. skinned
[BBJP12, FKY+10, LMR+15]. Skinning
[BL18, JT05, LAG14, JBK+12, JJvdP+08, KCO08, LD12, LD13, LH16, LL19, MZS+11, MK16, SZZ+10, VBG+13, VGB+14]. skins
[MG03]. Skipping [KJ09, LNLB16]. Skippy
[KYC+17]. skull [KHS03]. Sky
[TSL+16, HW12, TYS09]. skydome
[HW12]. skydome [KKN+14]. SkyFinder
[TYS09]. Slang [HFF18]. Slice
[Les20, CWTW17, Ng05, OP11]. sliced
[BC19]. Slices [MSM11]. Slicing
[AHL17a, AHL17b, ERP+19]. slide
[KSCS10]. sliding [BKWS11]. slightly
[ERP+19]. Slippage [ZYO+14].

Slippage-free [ZYO+14]. Small
[DFMS8, VPR19]. Smart
[RO09, XFA12, ZCC+12]. SmartBoxes
[NSZ+10]. smartphone [VKB+18].

SMASH [MTM16]. Smith [HHdlD16].
Smoke [PM17b, RNF03, Thu17a, WPS14, CKP+16, CT17, FL04, GSLF05, LGF04, PM17a, SRF05, SABS14, SY05, Thu17b, TMAPS03, WP10, YC11, ZRL+08]. Smooth
[DFZ+17, DFYL19, LD12, LM91, PR97a, Pet01, RH94, RLU95, BHK14, HTWBN11, KLS03, KP03, MEF+19, MA08, OBW+08, WP06, WWT+06, ZWL+18].

smooth-shaded [OBW+08]. Smoothed
[ERT14, KS10, TJM15]. Smoothing
[LZH+20, Pet95, SDsO2, SGWJ18, BHY15, FYW+18, JDD03, KEE13, PR97b, XLJX11].

Smoothness
[SJWGW0, LWR+09, PKD+19, YZ04]. SmoothSketch [KH06]. SMPL [LMR+15].
snakes [LLZM10]. Snap
[GSJ03, ASF+13]. Snap-together
[GSJ03]. SnapCut [BWSS09]. snapping
[ASF+13, LSTSO4]. Snapshots
[CHWH17, HLV+17c, JBY+19]. Snapshots
[KF93, SCH+16]. snow [GBH+20, SSC+13].

soap [DBW15, HIK+20, JBY+19]. Snapshots
[KF93, SCH+16]. snow [GBH+20, SSC+13].

Soft [AASP17b, GPHSH19, GTB15, LAA+05, PZ17, TTL12, WAC07, AASP17a, AOP+18, AAM03, BBO+09, FTP16, GWP+19, JL11a, KPM+17, LYG13, MZL+17, MWR12, MA07, PRWH+18, RWS+06, WWY+15].

Softshell [SKK+12]. Software [Fol86a, Fol86b, Fol86c, Ma92, WW82, KKS18].
SOHO [LF08]. solar [KKN+14]. Soli
[LGK+16]. Solid [BN90, CCK92, KFCO+07, MC11, NY94, Roc99, ANZ18, ABA02, BBB07, CH02, CS09, CS0W13, CDM+02, DF88, HIL+12, JDR04, KRD+12, LD11, LLL+11, LDHM16, NGL10, RS98, SS10a, TOI08, TLK16, WZY10, ZGZ16].

solid-fluid [BBB07, HIL+12, TLK16].

solid-liquid [CWSO13]. Solids
[KS95, AD03, FLGJ19, FQL+20, FGBP11, Lee05, LB18, MKB+10, PAK+05, RMSG+08, YJL+16, ZSTB10]. Solution
[SAZK06, BRB+19, YWH13]. Solutions
[GM84, OF01, DJ17, DJ18a, HDA17, SHW19]. Solver
[PM17b, XIM18, ATW15, BDDCA11, BBG12, DBDB11, GHB+20, JCR09a, LBB17a, LDN+18, LMS16, PM17a, SBZ09, ZNT18, dGW1+15].

Solvers [GBP+19, BFGS03, ZBG15a].

Solving [HF97, PKHNK15, Hol18, JASR99].
Some [CI97, GM84]. Sony [KCG08]. sort
[CTM13]. sort-based [CTM13]. Sound
[LFZ15, SM17a, ACSM12, CRS+16, CAJ09, CJ11, CZJ12, CRG+20, CLG+16, CQD+18, DRW+14, DYNO3, DLL+15, JBP06, LAJJ14,
soundbanks [ZJ10]. Sounding [MYH10]. sounds [AJM12, BLT+15, BDT+08]. soup [SOS04]. soups [BDS+18]. Source [SM17a, GTHD03, MRA+13, SM17b]. Sources [NON85, OF01, CRG+20, CDP+14, JBP06, MLR+14, RSM+10a]. Space [BYG96, BYRN17a, EK98, GRGC15, HC86, LKKP11, LHdG+14, Pet89, SAL+08, Shn92, TLG17a, WLX+18, ZIT+18, AB89, ACP03, AP08, ATDP11, BSW02, BYRN17b, BKCO16, BCWG09, BBB+14, CBD13, CLJ16, CGZ08, CO919, DCD15, HPJ12, HMT+12, JL11b, JTL+12, JTSW17, KHD14, KSSHG18, KMP07, KWB+15, LAKL11, LH06a, LSCO03, LC15, LKG03b, MVH+17, MMG06, MHC+16, RSHS18b, RH02, RN16, SNM+13, SXZ+17, SGM+16, S+KK+11, SMD+15, SAZK06, ZSLG10, TEG18, TMDK15, WCPM18, WAKB09, Wym05, XB16, YYPM11, YYW12b, ZSSJL20, TLG17b]. Space-Filling [Shn92]. Space-time [GRGC15, LKKP11, LHdG+14, SAL+08, ZIT+18]. space-warped [LK+03b]. spaced [Gos80]. Spaces [KP92, DCP14a, HR97, Lip12, OKH+17, SHP04, TGY+09, VABW09, ZCC16, dASTH10]. Spacetime [PM17b, SLS+12, ZSCS04, HS+TP12, PM17a, SvTSH14, XWW+14]. SPAD [SZZ+20]. Spark [FH11]. Sparse [ASCGO10, BF03S, FGBP11, HSB+12, NVV+13, NS12, WLY+16, ZCD+16, AGL+17, ALS+18, BBN+12, HLS02, HDF17, HKA+18, KWB+13, KSA13, LLDD09, LD13, LMB14, Mus13, ODAO15, RTK+15, SvTSH14, SABS14, SNF05, SL17, TSK+11, TTKT12, TS12, XYJ13, XSHR18, XBS+19, dAST+08]. Sparse-as-possible [ZCD+16]. Sparsetly [HWZ+14, LHZ+18]. Sparsity [SHD+14]. Spatial [BSB16, GR+17a, HKT10, LLWD14, BSB17, DH06, GB08a, GAB20, GR+17b, LBJK09, LH06b, LKG+03a, LGX+13, WLW+19, YI17]. Spatial-spectral [LLWD14]. spatially [BJ10a, BATU18, DW+10, 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, BBK15, GBAM11, KZP+13, VBB05]. spatio-angular [KZP+13]. Spatio-temporal [ZM13, BBK+15, GBAM11, VBB05]. Spatiotemporal [PKC+17, YPG01, ASK+12, HLR+14]. speaker [EML+18, NKA08]. speaker-independent [EML+18]. Speaking [SDO+04]. Spec2Fab [CLD+13]. Special [BG89b, Fol86a, Fol86b, Fol86c, FGN84, Pha18, Ros94, Sto92, WKR99]. species [TGK+17]. Specific [DMZ+17, ALLD17, SHP04]. Specification [DFM88, GM84, Hud94, Jac86, RvE93]. specifications [CLD+13, PYB+16]. specified [HFM+10, WPC+14]. Specifying [Van82]. speckle [BAGL19, Par17]. spectra [BDM09, SJ17, WPC+14]. Spectral [DBG+06, FHL+18, GO17, HZM+08, KBC+13, KHLN17, LHF+14, LJO19, OAG10, WBCPS19, YM16, AHD15, BC05, CJ+17, HW12, KYS+15, LLWD14, PMHD19, RZK11, SVKK+11, SLMR14]. spectroscopy [KRD+12]. spectrum [BWWM10, Fre16, ZHWW12]. Specular [CA00, IM12, JM12, KYYL08, SJ18, XH18, YHJ+14, YHR16, YHW+18]. Specularly [RT90]. Speculative [AVGT12]. speech [CTFP05, CB05, EML+18, EGP02, OL16, TKY+17, XL+18]. speech-driven [CTFP05]. Speed [GHCC88, KRF+18, PSBM07, TAH+04]. SPGrid [SABS14]. SPH
SPH-Based [HWZ+14, JZW+15]. Sphere [HH16, TGBE16, TPT16, BO04, LF08, 
VPR19, TGB13]. Sphere-Meshes [TGBE16, TPT16, TGB13]. sphere-tree [BO04]. 
Spherical [AKL17, BXH]. Spheres [Hu96, SHWP09]. Spherical [YKGA17a, LLH+16]. 
Spherical [BO04]. Sphere-Meshes [HLW+12, KTBV16]. stand [PWLSH13]. Standard 
[UTB+19, RFWB07]. Sphere [HWZ+14, JZW+15].-stage [ALY08, ZLW+18]. 
Staggered [HLW+12, KJS08]. Stair [KTBV16]. Stability [LLK]. Static 
[SMZ+19, KS04a]. Star-contours [SPO10]. Star-shaped [MSS+19]. state 
[OKH+17]. Static 
[FW96, SPV+16, FKY+10, HL+17c]. Station [Lev84]. stationary [AWL15, 
AIH+08, RCOLO9, ZZB+18, MFR+10]. Statistical [KV05, MA06, Be18, CH07, 
GYY18, GMP+06, GvdvB+12, LWS02, LWR17, LCT19, WMC11]. statistics 
[BAGL19, Fat07]. Steady [RV11, DHL14]. Steerable [AS02]. steering 
[CAR+09, OPD010]. step-by-step [APH+03]. step-edge 
[WSM11]. Stepping [WLF+20]. steps 
[KJ09, T08]. Stereo 
[HNNH19, WF96, ZTF+18, AWGB04, BGK16, 
FKN17, HGG+11, KDR+16, KDW+17, 
MCE+17, VPB+09b, WSM13]. stereo-to-multiview [KDW+17]. Stereological 
[JDR04]. stereoscope [HCW15]. Stereoscopic [KLKL13, 
LvBK+10, DMHG13, KKB+11, LHW+10, 
LSC+12, NFL12, OHHO+11, TDM+14]. Stereoscopizing [LMY+13]. stereoscopy 
[KHH+11]. Sticky [vOV96, FQL+20]. Stiff 
[PAS019, MSW14]. stiffly [MLT17]. stiffness [VMTF09]. still [XWL+08]. stills 
[OE+11]. step [DSZ+18]. Step 
[WGF+18, WSY19, YKJM12]. Stochastic 
[Coo86, CHPR07, GKH12, HJ09, LSD+16, 
Lew87, Özt16, VR94, CGZ+05, GGY18, 
JHY+14, LAKL11, SK13, YIC+10, Pav90, 
WP90]. stochastically [RMGH15]. stochastically-ordered [RMGH15]. stock 
[KSES14]. Stokes [LBB17a]. stone [SZB18].
Stop [AJS20]. Stop-motion [AJS20].
Storage [WHHY20]. Store [Wes88].
Storing [SW5]. storyboard [GCSS06].
straight [MSW+09]. strain [PBH15, WOR10]. strands [SJLP11].
strategies [SK13]. streaks [GN06]. stream [ATW15, BAM14, BFH+04, HZG09, HHH+02]. stream-processing [HHN+02].
streamable [CCS+15]. Streaming [ILS06, KH08, KDMW17, KLHG09, MVD+18, SBZ09, TDL+18]. streams [AMN03].
Street [KCSC10, CEW+08, XZF+09]. street-side [XFZ+09]. strength [LSZ+14, SVB+12, ZLB16a]. Stress [MHS+19a, SVB+12, MIB15, PRZ17, PNH+14]. stressful [MIWB02].
Strict [LZ14]. String [KMM17b, KMM17c].
strip [CK14b, MS04]. strip-based [MS04].
Stripes [KCPS15]. strips [CK14b, TISM16].
stroke [LYFD12, XKK+06]. stroke-based [XXK+06]. StrokeAggregator [LRS18].
strokes [HTER04, KMM+02]. Strong [GPB+19]. strongly [FQL+20]. Structural [LF02, LLN+14, WSW+12, ALX+14, BSFG09, FSH11b, IO005, LSD+16, LIW17, PMW+08, SVB+12, SKAG15, ZPZ13].
structurally [DLL+15, WOD09, ZCT16]. structurally-sound [WOD09, ZCT16].
Structure [CA009, FMLW14, FvKBCO16, HGM14, KEE13, LCOZ+11, LLR13, MDLW15, PQW+08, SFCH12, XZW10, XYXJ12, ZXTZ15, ZJMB12, CMZP14, DH06, GPW+17, HYG+13, HAK14, JAM+10, LDMH16, LGF04, NGH04, SABS14, SYJS05, UMK17, VWJH17, WWL+19, ZLC+13, YCZ11].
Structure-aware [CA009, LLR13, PQW+08, ZJMB12, WWL+19].
Structure-based [XZW10].
structure-from-motion [CMZP14].
Structure-oriented [FvKBCO16].
Structure-preserving [KEE13, LCOZ+11].
Structured [ARBJ03, GZ09, Kan18, LN4, SSII18a, HDS+18, KFWM17, LKK+16, LBW+14, MCT15, RGB16, RHGD10, SMCT18].
Structures [GUP20, JGB+20, vOV96, BLP+11, Boi84, DPW+14, JTSW17, JLM05, KPWP17, LSK+06, LXC+17, LCC+18, LYO+10, MLB16, PKLI+19, PLW+07, SZB18, STK+14, SHOW02, SFG+13, Ter18, WWY+13, YCC17, ZHRB13, dGAOD13, vKXZ+13]. Study [CMS95, LjGH11, RGSS10]. stuffing [LS07].
stunts [TGLT14]. Style [BSM+13, GMHP04, HPP05, HLV+17a, IWHH20, LZX19, LHLF15, SPB+14, XLZ+10, AWL+20, FTP03, GAGH14, HLV+17b, KGS+18, KAGS20, LjGH11, LHP05, LKWS16, MBB12, NKAOS8, PO08, SDKN18, SED16, SBLD15, WPP14, WYX+11, XWCH15, YNS19, YM16].
Style-based [GMHP04]. Style-content [XLZ+10].
Style-Defining [HLV+17a, HLV+17b]. style-synchronized [KGS+18]. Styles [YZXX+18, LP10, SHU+16]. stylistic [CCL1].
StyleLit [FJL+16]. Stylistilitation [DS02, FJL+16, LLYD12, ZAJ+15]. stylize [ZAJ+15].
stylized [FJS+17, KDMF03, LMPB+13, RTF+04, TIA07, Wam16, dSAP08]. Stylizing [BCK+13, JST+19, EBGB14].
Sub [NID20, HA18]. sub-meshes [HA18].
Sub-Paths [NID20].
subband [LSA5].
Subdivision [AB08, Che92, CY20, DLP09, G085a, Kla94, Lew87, Rap91, cGDMS16, BFK+16, CADS09, DM13, HSH10, JSD04, KP07, KS98, KLB15, Lev06, LLYL08, LjG14, LSS05, LSN09, MRF06, MFR+10, MP09c, Nas87, NLMD12, P008, PR97b, PS04, PBB19, SW05, SJP05, VB06, VMW18, WP06, WWT+06, ZHAO+07].
subjective subdivisions [GS85, PVR18]. **SubEdit** [STTP09]. Subjective [ASN+20].

**Submissions** [Ols88]. **Subspace** [BJ10b, HTC+14, HZ13, HSL+06, KD13b, LGW+11, MA07, PBH15, SS19, TMDK15, AKJ08, BJ05, MHR+16, SSR20, TOK14, WJJK15, WMW15, XB16]. **Subspace-based** [SS19]. substance [NZWC20]. **substrate** [PH15b].

**substructure** [ZXC+18]. **Substructuring** [PAK+19, BZ11]. **Subsurface** [FKH14, DWP+10, HFM+10, PvBM+06, STPP09, VKJ19]. **Subtle** [BMGG09, WRS+12]. **subtractive** [ZJ18, ZZX+18]. successive [FZL+15].


Summed [NMLH14, NMLH11]. **Summed-Area** [NMLH14, NMLH11]. **Super** [BAC+06, CBD13, NYY04, SZD+20, GGY18, SDP+18, WGDE+19, XFC+18]. **Super-helices** [BAC+06].

Super-resolution [SZD+20, GGY18, SDP+18, WGDE+19, XFC+18]. supercompressed [KPM16].

superimposed [AYL+12]. **Superimposing** [BI08]. superresolution [HLR+14].

supersampling [DVC09, DEM96, YNS+09]. Supervised [YZX+18, HSG13, SSK+17].

Support [DWW+18, AFR+07, CK10, ISD04]. **Support-free** [DWW+18]. supported [SFLM04]. **Supporting** [HI86, MHS+19a, DPW+14, LPS+13, MIB15, VWHP12].

suppression [LSL+18]. **Supra** [WWH04].

Supra-threshold [WWH04]. **SURE** [LWC12]. **SURE-based** [LWC12]. Surface [BI92, Bli82, CG89, DHB+16, DNZ+17b, DLG90, EC93, EK08, FNO89, FG90, FB95, GLL+16, HWZ+14, HOZ+19, HH16, HTCH15, KM97, LSSW19, LC96, MBT+15, Mil87, PM05, SO92, SYSP14, TG17b, VBFG12, YIC+14, ZWK14, Zyd88, dFP95, AMCO08, APL14, APL15, AAT13, AB20, ABA02, ACA+19, ASL+17, USB13, BHMK+18, BHK14, BLN+13, BHW13, BBB10b, CBCG02, CSPF12, CB13, CMK15, DBG14, DNZ+17a, DTB06, DBG+06, DCP+14b, EB14, FG14, GZ08, GWM+08, GTR+06, HTG14, HSTP11, HLZ10, HNB+06, HLZ+09, HZ82, JW09b, JSMF+18, KH13, KG06, LDK+18, LDPT17, LKK+18, LPL+18, LF09, LTJ18, MCFSK+17, MFL17, Mc87, MASS15, MBW02, NGH04, OBS04, PK06, RTD+10, STJ+17, SAPH04, SS10a, SSZO10, SAK04, SLS+07, SAL+08, SC18b, SCGT15, SKM10, SS11, TWB003, TWGT10, TG17a, VGB+14, VPB+09a, VMTO6, WZT+08b].

**surface** [WLZ+09, WYY+14, WJL+20, WVJH17, WFH+07, WPMR09, XDPT16, XZZ+14, YHZ+14, ZJ18, ZMT05, ZM11, ZGW+13, ZQC+14, ZBG15b, ZHCJ15, ZPKG02].

**Surface-only** [DHB+16]. **Surface2Volume** [ACA+19]. **SurfaceBrush** [RPS19].

**Surfaces** [And82, AOCBC15, BW93, BHN98, BS88, BS90, BST15, Che92, CCMG91, DWMG15, ESBC19, FI89, Joe90a, JHR+15, KPP17, KMM17b, LM91, LDW07, LC96, MHS+19a, MSS92, RHSH18a, Rap91, RS14b, RSC89, SB95, Sar00, SLM+17a, SG17, SJW20, TBWP16, War92, AB89, ACXG09, AA09, AK04, ASGCO10, BX03, BW3, BMBZ02, BHLW12, BWWM10, BFK+16, CI97, CS09, CPS11, DvGNK99, DJBJ19, EKS+10, EC96, EB08, EMF02, FCOSA03, FLHCO10, GOMP98, GM07, GBK05, HSH10, HC19, KNBH12, KMM17c, KYY18, KTT13, KCPS15, KLCP18, KP03, LCCS18, LJJ+18, Lev06, LFS16, LPL+17, LB18, LPW+06, LPS+13, LGJ14, LDS9, LB06, LS08, LSNC09, LKY12, MGA+17, MIB15, MRR06, MFR+10, MAB+15, Nas87,
NISA07, NLMD12, PZ07, PCL+12, PLPZ12, PBDSH13, PSF09, PKD+19, POT17, PV06, PO05, PSB+08, PU06, PBW19, RRS19.

surfaces
[SHWP09, SF09, SPSH14, SLM+17b, SOS04, SF07, SS10b, SSJ+20, SRGB14, Sta03, TSN10, TDG18, TZL+02, TO02, VBCG10, VdFG99, VHPW12, WMT05, WSM11, War99, WGB+08, WG09, WGL+18, WZYR19, YHJ+14, YZ04, YT13, ZMSS18, ZZV+03, ZMT06, 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 [RGB16]. SV-BRDF [RGB16]. SVBRDF [AWL13, AWL15, BJT18, DAD+18, DWT+10, GLD+19, NLGK18, Zha18, ZCD+16]. SVG [YWH13].
swapping [BKD+08]. Sweep [CZS+13].
Sweeping [vW84]. Swimmer
[SLST14, SHU+16, TGLT11]. swings [CB05]. SwingWrapper [AFS03].
Switchable [SMH+11]. Symbolic
[EC93, BCT15, Gue07]. Symmetric
[CC19, JTC09, vW09, GWAB19, LF08, PLPZ12, Rus19, SR97, YTL18].
symmetries [MHS06, THW+14].
Symmetrization [MGP07]. Symmetry
[BSEH18, KLF12, LCDF10, RS14b, BWS10, CMZP14, LSS+17, MGP06, PZ07, PSG+06, RVL08, WFW+10, XZT+09, XZJ+12, ZXJ+13]. Symmetry-guided [KLF12].
symmetry-summarization [WFW+10].
sync [SSS17]. synchronized [KGS+18].
Synchronization
[Hili86, ELFS16, WSZ+14].
Synchronized
[HKHL09]. synchronizing [HLW+19, LJ14].
synchronous
[HLZ10, HZG08]. synopsis
[ACCO05]. Syntactic [SG91].
Synthesis
[AFP+95, BSL12, CZX+16, CBYvdP08, DBP+15, HM92, JWWL19, LW15, LLX+01, LP02, RO85, RO87, SCO17b, TZL+02, WB08, YLB+12, YBY+13, ZZV+03, ZYM+20, AAL16, AVB08, AJM12, AFO03, BSHK04, BDT+08, BNB13, CDSHD13, CWL12, CT17, CLG+16, CWTW17, DSB+12, DLL+15, DLKWS18, EVC+15, FP03, FH04a, FJS+17, FRS+12, FSL+15, FRS19, FAW19, FCW+17, GGY18, GPD+18, GMP+06, HET+14, HRG08, HWRH13, HSK16, JYL09, JHS12, KWR16, KCKK12, KGS+18, hKPS03, KLF12, KFCO+07, KP06, KSE+03, KEBK05, LES09, LH05, LH06a, LHL10, LSR18, LDF14, LTK9, LWS02, LSA+16, MJ+08, MWGZ09, MPF+18, MM08, MSOC+19, MC12, MYH+10, NSCL08, ÖG12, PHL+09, PCSS06, PZ17, PB02, RYL13, RCOL09, SHM+18, SCO17a, TZN19, TO5+03, WZT+08b, WYG09, WRO10, WSCR18, WQL18, WHZ+08, WLRH11, WLHR12, WOY4, XKF+18, XUC+14, XBS+19, YYTC12, ZG04, ZMB12].
synthesis
[ZHI+06, ZJL14, ZZH+18, ZTF+18, ZFW18]. Synthesizing
[NSB13, RHGD10, SHP04, SSKS17, YKH04, YYW+12a, CYT+18, NRH17]. Synthetic
[LCV+04, MHS+19b, PTSG09, PC82, WGJ+18, ZMN+19, BD1+02, CNR08, KHH11, OPO10].
synthetic-vision [OPD10]. System
[AJJS20, CM83, EHSN20, GF82, LZX19, SG86, Bly06, BTTF+08, CSTP16, DHO05, FNvD18, GPCP13, HGY17, HFTF15, HFF16, HGG+11, HWR14, HMT+15, JLF+09, KLHG09, LZ04, MGA03, MP04, MIWI16, MI07, NJS+11, OEE+18, RKK+01, SPJT10, SSY+04, TL04, TKTS11, WZK+17, W99, YCL+17, ZPG02].
Systems
[FH97, GJB+20, LN84, PAK+19, Ree3, WW82, ZIH+11, ACGX09, FLP14, HFF18, HAD17, KJSP08, LBOK13, SSB+15, SHS+04, SHHW16, SAZK06].
T [CZ17, GBK05, KPP17, KBZ15, SZBN03, SCF+04]. T&I [NPP+11]. T-junctions
[KPP17]. T-mesh [KBZ15]. T-NURCCs
WZYG10, ZZV+03. Textureshop [FH04a].
texturing
[CH02, GSV+14, PB02, VSDL13, XCOJ+09].
threat [WL16], their [Fat09a]. theme
[WWY+10]. theories [LJGH11]. Theory
[APH+14, CA00, HZE+19, JSKJ12, BB17,
DPF03, FCJ07, JNSJ11, LDF14, MSRB07,
RAMN12]. Theran [BTFN+08]. There
[PVR18, ISSI16]. thermal [HZZW12].
thermoforming [SPG+16]. thickness
[ISN+20, YSC+16]. Thin [HWZ+14,
LSPN13, ASL+17, ABO+16, BMWG07,
BDW13, CAJO9, CSER18, CQD+18, Day20,
FISH11a, CRBN09, GSLF05, GFF+18,
HLHR09, LCC+18, PNdJO14, RK13,
VRBC18, VLD+13, WT08, WTGT10].
thin-plate [FISH11a]. thin-shell [CQD+18].
Things [lazy18]. thinning [NSS+19].
threads [BAV+10]. Three
[Ckh18, CCW93, CGM91, COSL98, Day90,
EM94, Gre86, JSMH12, SG17, WF96,
BO91, Bo84, IGLF06, SLWF14, UB18].
Three- [CCW93]. Three-Dimensional
[Ckh18, Day90, EM94, COSL98, JSMH12,
BO91, Bo84, UB18]. three-level
[SLWF14]. threshold [WWH04, ZF03].
tight [DML17]. tileable [FLHCO10]. tile
[CML+17, WPC+14]. tile-based [WPC+14].
tiled [MS05, BY+13]. TileGAN [FWA19].
tiles [KCODL06, LD06, CS03]. tiling
[vW09]. Time [And83, AIH+08, BYG96,
BJ05, BKK016, CWTW17, DNZ+17b,
DLK18, GTR+06, GXY+17a, GNHM15,
GVNB18, HXZ+19, KZSR16, KIM+19,
LBK17a, MBGS15, MOR+18, Mey91,
TSS+18, TSLP14, VTSZH15, WLF+20,
WS85, ZXTZ15, ABW+17, ASA+09,
ADM+08, BHR13, BP08, BZ11, BAOR06,
BM07, BK04, CHWH17, CWLZ13, CHZ14,
CBZB15, CWW+16, CKH18, CCWL18,
CH02, CPD07, CBI13, CM11, CT05, CHP07,
DNZ+17a, DRvdP15, DLL+18, DY03,
DHO005, DKK+16, DDF+17, EMU15,
FK08, FYK10, GO12, GCB+17, GSKJ03,
GRGC15, GXY+17b, HV04, HED05, HFF18,
HRE+08, HHHW15, HDH16, HSW+17,
HKA+18, Hub96, HESL11, JBSN11, JP02,
JTL+12, JKT+15, KWB+13, KNS+09,
KCODL06, KRF+18, KAMJ05, LEN09,
LH16, LES10, LZZ1, LTK09, LLLK11,
LHDG+14, LGL+19, LLX+01, LFTC13,
LHLK10, LXC+15, LBK17b, LZH+20, LB06,
MMCK14, MHM+17, MBP+18, MP04,
MP08, MSH+17, MDB+19]. time
[MCK13, NSX+18, NOM+17, NOP+18,
NZV+11, NZIS13, PZ08, PO08, PVG19,
POC05, RSM+10a, RWS+06, RTK+15,
RJ07, RHL02, SAL+08, SZT+08, SSWH16,
SCT+15, SL17, SS18b, SKS02, SNRN05,
SMPR07, TDSG15, TDL+18, TZN+15,
TZZ+18, TPT16, TLP06, TS12, VBG+13,
VRBC18, WAO+09, WDD+05, WTL+06a,
WPP07, WPP09, WJFB15, WYM+16,
WSJ17, WXLY17, WGT+05, WOG06,
WZN+14, XUC+14, XZY+17, ZIT+18,
ZZI+17, ZBYX19, ZHGW08,
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, GVNB18,
KZSR16, ABW+17, CHWH17, HHHW15,
MHM+17, NZV+11, SSWH16].
Time-resolved [AIH+08]. time-variant
[WTL+06a]. Time-varying
[BKCO16, GTR+06, BHR13, DRvdP15,
HED05, XZY+17]. Time/Space [BYG96].
times [SPDF13]. tissue
[BBO+09, DFW20, KPM+17]. tissues
[PRWH+18]. TOG [Ol88]. together
[GSKJ03, RTB17]. tool [DBWG15]. token
[Zit13]. tolerance [MCSA15, YRP09].
tolerant [SLWF14]. tomographic
[WLHR11]. tomography
[GKHH12, IYY+14, ZIT+18, ZIT+19]. ton
[CXW+05]. Tonal [FL11, LFUS06]. Tonal
[SW18, ASC+14, BPD06, EMU15, EKM17,
FFLS08, KO11, LCTS05, MDK08, MAF+09, RSSF02, RTS+07, WYX11, YZWH12, ZF03.
tool [BDM09, FH04a, JRT+15, MZB+17, WAC07, XFAT12].
toolkit [FH04b, MGDB05].
Tools [BLA12, BD86, HA92, SB93, PLKD18, RMD12].
toon [ZLWH16].
tooning [WXSC04].
Toonsynth [DLKS18].
Topological [LDW97, VW94, vOV96, GMP09, LGH04, TR98, VW95].
topologically [PKZ04].
Topology [ALX+14, ABA02, DFL+15, HZCJ17, MB12, NHS+13, PSF09, SAR00, ZJL14, ZSCM17b, ZHCJ15, AXZ+15, ABO16, BHK14, BW13, BHLW12, BB10b, DRvdP15, JZH07, LHM09, LHZ+18, MFB04, Mus13, NKJF09, SLS+07, Sta03, WGD10, WHDS04, YHZ+14, ZPBK17, ZSCM17a].
Topological [PSF09].
Topology- adaptive [MB12].
topology-aware [LSL+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, MGA+17].
torque [JWDL19].
Total [MGDA+15, XYX12].
touch [PRWH+18, RP09].
tourism [SSS06].
tourist [GASP08].
tower [DFL+15].
toy [ZXS+12].
traced [EDR11, HR13, PFHA10].
Tracer [GIF+18].
Tracing [BK85, BK87, CFS+18, DLTW90, FHL+18, GHCC88, GRS+17a, Kaj83, KIM+19, Lev90, NID20, NKK+14, PP94, RS14b, RLU95, SLN+17a, Tae87, VJK17, WHGS4, vWS84, BDT99, BSS+13, CRS+16, CXW+05, CTE05, DHW+11, GRS+17b, HJJ+08, HJ11a, HQL+10, HZ11, KMA+15, LAA+05, LADL18, MKD+16, Mor11, MHC+16, NPP+11, PBD+10, PBMH02, RSH05b, SHHD17, SLN+17b, SLWF14, WIK+06, WBS07, WWB+14, WSS05].
TrackCam [LWCT14].
tracked [CB04, JBM+17, PSK+16].
Tracking [BHLW12, WKHA18, AHSS04, BHW13, CHZ14, CWL18, CMMK15, DB14, HLN+18, HK10a, HMT+15, JST10, KRF+18, KHLN17, LWCT14, MB12, NSJ14, TBC+16, TTT+17, TAH+04, TPT16, TTR+17, VGB+14, WP09b, WLY17, WSS18, ZLWH16, ZBB19].
TRACKS [BMWG07].
trade [LDS02, SWC+18].
trade-offs [LDS02, SWC+18].
Tradeoffs [BYG96].
traffic [LW17, SWL11, WSL13].
train [WPKL17].
Trainable [EGP02].
Training [HL14, MCS15].
Trajectories [TFD+18, RH16].
Trajectory [GM84, HNH19, LH18].
Tran [ROS20].
Trans-similar [ROS20].
Transactions [Bea88].
transcripts [SBLD15].
Transfer [HLC+19, IWH20, LFS+15, S+18, AWL+20, ARL+13, AW14, ACSM12, BVG09, BRM+18, BSBC12, CNR08, DT05, FZL+15, GYQ+18, HPB06, JAM+10, JBP06, JFA+15, JAG18, KAGS20, KAMJ05, LEN09, LYY+17, LKWS16, ODA015, PTMD07, SDKN18, SED16, SPB+14, S+17, SSK02, SLS03, SHS03, SLS05, SBD03, SP04, TZN+15, TLJP18, TS06, VBP05, W+16, WJ19, WTSB07b, XWCH15, XCLT14, YWS+11, YM16, ZHRB13, ZRB14, LAM+11].
Transferring [HLR+17, WAM02].
Transfiguring [KS16].
Transform [GSC+15, LFC+20, LWS+15, PP94, Pag98, AKZ+17, BHY15, GO11, HJ11b, PSH+06, YHCOZ18].
Transformation [NN90, YYL+19, DYT05, WKR99, WGT+05].
Transformations [BSB16, NN90, Pat85, Pat87, Tur82, Ale02, BSB17, CPS11, JBK+12, LSS+17, Spr82, VMW15].
transformed [HDHN16].
transformer [FYK10].
Transforming [XZM+18].
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Zhang:2012:VMD


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