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Title word cross-reference

2 [AWL19, BKL16, BHR13, BSW02, BSM07, DBB17, EPD09, GIZ09, HGRT04, Hil87, HDK07, JSKJ12, KFC07, LT09, LPL17, LHVT17a, LHVT17b, Mai92, MC21, NG18, RMD12, SLV13, Shm92, XCS14].

2.5 [RID10], 3

[AJS20, AKZ17, AL13, ALX14, AXZ15, AZB09, AAR05, AS21, AIH08, ARS14, BVF17a, BIP01, BP07, BSS11, BSK16, BBN12, BVG11, BGK13, BWSS12, BVS16, Bly06, BSM07, BR07, BAU15, BATU18, CCA12, CB04, CWLZ13, CAD21, CMZP14, CK10, CKGBK11, CGF09, CSPF12, CZS13, CLD13, CZL15b, CKIW15, CLF18, DNZ17b, DNZ17a, DS15, DTP15, DLSCS08, DSAF13, DFP18, DHL14, DDP02, DSC12, ESCK16, EBGB14, EDI+16, EST+20, EPD09, ESZ17, ERP19, EM96, FZBR16, FLJK21, FFFB21, FJL16, FH10, FRS12, FSL15, FMK13, GDAB17a, GDAB17b, GZW16, GZC16, GIZ09, GM05, GF08, GGS03, GTDS10, GKH12, GWN03, GBW05, GHL12, GFD12, GRT13, GZC15, HGRT04, HGY17, HASK17, HK18a, HNH19, HLHR09, HLZ10, HDK07, HMC11, HLV17a, HLV17b, HTWB11, HCTW11, HMT15, HDGN17, HMM17, Hud92, HOM15, IBP15].

3 [ICG17, JTRS12, JBM17, JLF09, JBX20, JCG21, JZH07, KMM02, KHS10, KH06, KSH14, KDM16, KDR16, KDW17, KSES14, KMYG12, KLM12, KRD12,
KLM +13, KLKL13, KTL +04, KDMW17, KSS +15, KS04b, KYC +17, LMS13, LHW +10, LRAT08, LHKR10, LCXS09, LOMI11, LRA +07, LACSO8, LSH +10, LYG +13, LYF +20, LHHP21, LHM +18, LCOZ +11, LYIC8, LOW18, LFZ18, LGJA09, LWCT14, LHLF15, LKG +03b, LFL09, LvBK +10, LSZ +14, LBRM12, MLZ +16, MPF +18, MHS +19a, MLYZ19, MWH +13, MPI +18, MSHS06, MPN +02, MP04, MAN +16, MTN +15, M1S +17, MGP10, MGP06, MYW15, MLS +18, NLGK18, NAH +18, NISA07, NIRD05, N1Z+S13, N1R +21, OHB +11, OLGMI11, ON0104, Par17, PGP +19, PMW +08, PK05, PXW18, PZ17, PRM14, PS04, PF+20, PS06, PWLH13, RSL +16, RPC +21, RSI +08, RDI010, RRHL02, RMBB +13, SS14, SHM +18, SCH +14, SLV +13, SS11, SKSK09, SBR +15, SHL +17, SHZ +20, SAA +21, SF07, SGXT20, SGX +21, 3 [SSS +08, SARW +15, SS06, SDW +16, SVB +12, SQRH +16, SRB +19, SSS +17, TD16, TDM11, TMB18, TS08, TTTZ +20, TFK +03, TMB14, UTB +14, VBC +15, VSHJ12, WBF +17a, WBF +17b, WAO +09, WY +13, WGG +13, WSXC16, WLG +17, WSLT18, WSH +18, WLX +18, WKA18, WB +20, WXLY17, WHHR11, WDB +07, WSW +12, WZQ +18, WVL +19, WZL +20, XLF +11, XIAP +17, XZT +09, XZZ +11, XZCOC12, XCF +13, XCS +14, XSZ +16, Y1H, YSL +14, YSC +16, YLJ18, YWS +11, YLC +20, YKC +16, YZX21, YZX +18, YSWH16, ZLP +15, ZAC +17, ZWK14, ZSW +10, ZWB +20, ZSMS14, ZK14, ZZCJ13, ZPKG02]. 360 o [Che13, DKD +16, HTCH15, IGP +17, LH +09, LBB +17b, LHZ +21, MHS +19a, MPDW03, PS04, PMPHB17, RAWV08, TDL +18, YMRD18, Zho18]. 5 [BS +13, OHX +14]. 6 [HMT +15]. 2 [LZ04]. o [JMY +07, BYL +20, CLJ +20, KCI9, TWLT19]. TM [SMG +05]. C 2 [MP09c, Pet89, SW05, YUK20]. C 0 [Jam20]. d [EPM +14]. e 1 [AGCO10]. f [LWO19]. G 1 [LS16, Sar00]. G 0 [PU06]. γ [CXW +05]. K [HLCO10, TS12, Tsa15, EPM +14, LWO19, MSDL17, YSW +17]. L 0 [HS13, XLJ11]. L 1 [BYH15, HWCO +13, PMA +14, HJS +14, WYL +14]. L 0 [LL10]. N [RL108, RS14b, Ten20, BSE018]. p [GA20]. Q [LH17a, LH17b]. r [DS92]. R 3 [Sar00]. s [SR00]. SO(3, R) [CGM11]. T [MPKZ10]. v [XH18].

*Cages [GCP13].

-analys [WYL +14]. -axis [ERP +19].
-meshes [MPKZ10]. -nearest [MSDL17].
-Willmore [GA20].

2 [MKR11]. 2-manifolds [Man86]. 2PAC [TFD +18].

360 [JMY +07, WPL +21]. 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]. absorbent [KS04a].
sorbent [CT05]. Absorption [BBS14a].
Abstract [KK91, YXH21, YL10].

abstracted [LMLH07]. Abstraction
[ACP*+01, MZL*+09, BSM*+13, DSO2, FLB17, LYC18, LFZ18, NSX*+11, WOG06, YC21, YK12]. Accelerate [MHNT15].

Accelerated [JRSS21, KGL16, BDT99, CW17, KB12, LKY*+21, NPP*+11, PVL*+05].

Accelerating [BJ10a, BKKL15, LNLB16, RV89, LVS*+16, Wan15, YPB16].

acceleration
[CZJ12, JLB05, MA06, PDZ*+18, MA07].

accelerations [KLF*+19]. Accelerometer
[SH08, TZK*+11]. Accelerometer-based
[SH08]. access [KCY13, LSK*+06, NH08].

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

Accommodation-invariant [KPM*+17].

account [CLC96]. accuracy
[CKH18, LDS02, SHD*+18]. Accurate
[BOFN18, GM09, GGH03, MSH06, SBN15, SSR20, Ste20, VJ19, WZC12, WZYR19, ZGBB19, BB07, BHK14, Dee05, DDP99, HMM19, JBP06, LBB17a, LD14, LKY12, MLT17, MG03, SXH*+21, VMTF09, XSTN14, YTJR15]. Achieving
[JLF*+09]. achromatic [Fre16]. achromatic
[SDP*+18]. Acknowledgment [Ano10].

Acknowledgments [Hod02a]. ACM
[Kro82, Spe03]. Acorn [MLL*+21]. Acoustic
[LFZ15, LMMZ16, ACSM12, JBP06, LZJ16, OH14, WJ19]. acoustic-potential
[OHR14]. Acquiring
[Bou18, KMYG12, NGD*+06, TDG18, TFG*+13, DWd*+08, OEE*+18]. Acquisition
[Did18, HED05, HHA*+10, TG17b, BGK16, BJTK18, BTFN*+08, DJ18b, GHP*+08, GGH03, GLL*+04, GRB*+18, GTR*+06, GLT*+21, HLZ10, HCTT11, LLW*+08, MP04, NLW*+16, NLGK18, NJR15, PCK*+08, RHH10, SWT14, TG17a, XSS*+16, XNY*+16, ZCD*+16, ZRL*+09]. across
[MGS*+21]. acting [DYP03]. Action
[ACCO05, MLZ*+16, DWT*+02, GCR13, SCH*+14]. Action-driven [MLZ*+16].

actions [ACOYL08, BDG15, YM16].

activations [SNF05]. Active
[CHP07, FLP14, MNBN07, PM18, RV89, WavK*+12, PZM13, SWR*+21, YKC*+16].

activities [KLF*+19]. Activity
[FSL*+15, FCW*+17]. activity-associated
[FCW*+17]. Activity-centric [FSL*+15].

Actor [LXZ*+19]. actors
[CTMS03, WSV13]. Actuated
[KMM17b, Ano03, GM17, KMM17c, LP18, STC*+13]. actuation
[Ano03, HPC21, JWL19]. actuator
[WHDK12]. Acuity [MGD*+15].

Adaptation
[SP05, DE05, HKT10, VMG15].

adaptations [HRGRT04]. adapted
[BBR*+21, Sze06]. adapting
[PSK*+12, YCBV18]. Adaptive
[BMW*+09, BO04, BF08, BDW13, CCG*+04, CKB20, CWM21, EC96, FCW*+17, FBL07, GO12, HWR13, Hli87, HW*+16, HWZ*+20, JLS*+03, KTS*+14, KYS*+15, MCR14, MIGY15, MMMG16, MNV*+21, NS012, ODR09, PN0D14, RGL05, RKL12, Sh18, SHF11, SW18, WPF12, WSLT18, WK21, AGL*+17, AN17, ATW13, AB20, BAM13, BLDA11, BFK*+16, CYFW14, CTH*+14, DJ18b, EB14, FFB*+09, GTJS17, GWAB19, GKS02, HJW*+08, HJ11a, HCT*+14, HGF14, KJ10, KSP13, LHKR10, LW12, LDN*+18, MK08, MLL*+21, MB12, NNC*+20, NPO13, NLMD12, PO08, PBV16, SABS14, THKM13, VdFG99, VKK18, VK19, WPC*+14, WFDH18, cWP10, XCW*+20, YI17, YW13, YIC*+10, YSC*+18, ZKS18, ZD20]. Adaptively
[APKG07]. adaptivity
[TMDK15, WHK17, ZLB16a]. add
[MRK*+13, GHZ*+20]. add-on [MRK*+13].

Adding
[DKD*+17a, Hud92, DKD*+17b, SKC*+14].

Additive
[LJM*+16, AHB18, BR21, MDL16, MSDL17, MLH*+18, PZM*+15, YIO*+15, ZJ18]. address
[ZDDZ21]. Any [GRH+12, GZ05, MYW15].

Aperture
[PC82, BCN08, GSMD07, GWGB10, LFDF07, LCV+04, LLW+08, VRA+07].

Apparent [DER+10, IM10, JDA07].

Appeal [WZC+20]. App [ZSAF21].

Appearance
[CBKM15, DBP+15, DCP+14b, DWMG15, HXM+18, KSZ+15, LH06a, SPH14, TW20, VADWG15, VBP+18, WTL+06a, AYL+12, AP08, ATDP11, BBP21, BUSB13, BLS+21, CLJ+21, DCP14a, GGN18, GXZ+13, GRB+18, GTR+06, GLZ+21, JFA+15, JSB+10, KWN+17, KRR11, KBC+13, KFB10, LMS+19, LEN09, LDPT13, LKG+03a, LDPT17, LSSS18, MKZ+21, MWAM05, MLDW15, MGZJ20, NIR+21, ODAO15, PL07, PLMR17, RTD+21, RP+12, SBDJ13, SGM+16, SLS+16, TDG18, WM14, WZVR19, XMR+11, ZJMB11, ZJMB12].

appearance-driven [PL07].

Appearance-from-motion [DCP+14b].

Appearance-mimicking [SPSH14].

Appearance-preserving [TW20].

Appearance-space
[LH06a, AP08, ATDP11]. AppGen [DTPG11]. AppIm [DCP14a]. Application
[BRLA11, CA00, DRC+15, ROS5, ROS7, AG05, BA83]. Applications
[APH+14, BIP01, BF01, OF01, SR00, YSHW16, ACSM10, BZL+15, CH89, DRE+12, DEM96, Fat09a, GKHII12, Gue07, HSGL11, JSJK12, Jia21, KDR+16, KKW21, LWA+12, LL10, MCMK14, MASS15, SMG+20, SCW+21, XLC+16, YGL+14].

applied [BLR+11, SABS14]. AppProp [AP08]. Appreciation [Ftu00]. Approach
[AOBC15, Bar86, Cas91, DDK+17a, EM96, FH97, GM84, MC92, MGDA+15, PPV95, SLGS01, Shn92, SHS+18, BLR+11, CW1W13b, CDM+02, DW+02, DK09, DIO+12, DDK+17b, DSC+20, FLB16, GSMCO09, GD04, HZW12, HLHZ08, HZG+12, HWJ+15, KBS15, KZ11, LdPS84, MM06, Mor11, MMTD07, NXS12, NO13, OPOD10, RPE+05, Sha03, SXZ+12, SHS+17, SFWG04, TCZCT0, TKY+17, TWGT10, VBGC10, VdFG99, VMTF09, WFA+05, WWZ+09, Wan15, WWB+19, WGH20, WMW15, Wym05, XRLF15, ZCLJ20, ZCW+17, ZRL+09]. Approaches
[Mil87, FH04b]. Approximate
[DYYT17, HLZCO14, LW15, McI83, NFD07, TLJP18, VFK+14, AFO05, KCOZ08, MS04, MGP06, MCK13, SSK+05b, TL04, Wym05].

approximately [CMZ+10].

Approximating [Hul96, LS08, LSNC09, GI04, LYLL08, SOS04]. Approximation
[BW93, LFZ15, TGBE16, Tsa15, BO04, CB17, CPWAP08, CH98, CSAD04, FD17, IRHSH20, MCSA15, NRH03, PZM13, SSR20, TGB13, TS06, TS12, WWS+05, WYY+14, WDB+08, YLL18, ZYWK08].

Approximations
[CJM21, DLTW90, Taut94, BODO18, HW16, KFB10]. AppWand [PL07]. AppWarp [ATDP11]. Arbitrarily
[HA92, KG06]. Arbitrary
[CSZZ20, EPO91, LDW97, Sar00, Sei93, AFC+10, BVG11, BW13, GD02, GLD+19, GH98, GH218, HF06, POC05, Sta03, TDL+02, WZ14, WPGM16, YZ04, ZVV+03, ZJ12, ZWL+18].

arc [BPK+11]. architectural
[CKX+08, DAB15, EKS+10, KW11, LHL10, NSX+11, NHAH03, PKM+11, SSS+08].

Architecture
[CFS+18, FHL+18, Lev84, NKK+14, Wes88, YIO+15, AMS03, ASF+13, CTM13, DN02, DHH+11, JTC09, KKS818, LCOZ+11, LWW08, PLS+07, SM15, SCS+08, WFH+07, WWSR03].

Architecture-scale [YIO+15].

Architectures
[HMLB16, LS05, LSH+10].

Arcimboldo
[HZZ11]. Arcimboldo-like
[HZZ11].

arclength [KSH+16]. Arcs
[FH93].

Area
[NMLH14, BLD20, HJ11b, NMLH11, WR18].

Arithmetic
[KLN91, CLSA20, FV96, HSS98].

Arnold
arrangement [WLY20, YYT+11]. Arrangements
[JTMW20, LHVT17a, CLS+20, FRS+12, LHVT17b, MMB+15, SMZ+14, ZGZ+16].
array [HSF+10, VLD+13]. Arrays
[GP+19, JMA+06, LKK+16, SMH+11, WJY+05]. art [HHC+18, KYYL08, KL+11, LHE+07, LEN09, LCL+17, LZF+19, MP09b, M++21, XZW10, YXF+21, YNS+19].
artificial [LLZ+10]. Articulated
[ACP+02, AF+95, TGL+11, TTT+17, VBM+08, ZB+94, BBJ+12, CCA+12, CZ+11, CBL+16, JLI+11b, RGL+05, TK+14, TOK+14, WWB+19, XZK+20, YHL+18, ZRL+07].
articulation [JPG+14, JMD+07, KS+12].
articulations [LAH+21]. artifacts [ARNL+05, CHM+12, GRB+09]. artificial
[PTSG+09]. Artist
[BKL+16, BSM+88, SSK+11, LRS+18, SPJ+10]. Artist-directed [BKL+16].
artist-intended [LRS+18]. Artistic
[BST+09, CAA+10, NJS+11, RR+13]. artists [SLD+17].
As-rigid-as-possible [IMH+05]. Ascent
[CM+21]. ASCII [XZW+10]. assembleable
[ACA+19]. assembled [DFZ+17].
assemblies [BDC+11, JMM+09, KTS+14, MYY+10, WSP+18, WSP+21]. Assembling
[DPW+14, GSK+03]. assembly [APH+03, CCA+12, CKG+11, DYY+16, FSY+15, FL+16, LTT+20, SLR+16, SFCH+12, YNW+16].
assembly-based [CKG+11]. Assessing
[ER+18, SK+13]. assessment
[AMMS+08, ACM+10]. asset [LKZ+20].
assets [LS+02]. assistance [LFT+13].
assisted [BP+09, BB+13, ILB+15, PB+02, SAR+15, YIO+15]. associated
[FCW+17]. asymmetric
[CLQ+08, VRM+18]. asymptotic
[CZX+21, Jia+21]. Asynchronous
[HVS+09, AVG+12, BAMS+13]. athletic
[YY+21]. Atlanta [SS+11]. Atlantis
[SS+11]. Atlas [LY+19, LPRM+02, LVS+18, MVD+18, PKC+17, PK+18]. atlases
[CH+02]. Atmosphere [Kla+87].
atmospheres [WWB+21]. atmospheric
[KMM+17a]. atomic [Bel+18]. attack
[MLD+08]. Attention
[YPG+01, CLC+14, PLC+16, XZ+16].
attention-directing [CLC+14].
attention-driven [XZ+16]. attenuation
[NSJ+14, WLHR+11, WVR+21].
attribution-based [WL+11]. Attraction
[BF+17, AVF+17]. attractiveness
[HRZ+13, LCO+08]. Attractors
[TFD+18]. Attribute
[AZM+21, LYY+17, TYS+09].
attribute-based [TYS+09].
Attribute-conditioned [AZM+21].
Attributes [KAEE+20, LRT+14, OL+14].
attribution [Ano+10]. audiosynth
[LYG+15]. Audio [KAL+17, DZS+08, EML+18, JMD+17, LLZ+18, X+15, SSK+17, TGD+04, YCL+20, ZXL+18].
Audio-driven [KAL+17, ZXL+18].
audio-visual [EML+18]. Augmentation
[SS+118a, JSP+17]. Augmented
[SMP+15, SS+14, YCF+16, ALK+17, BP+12, GM+16, HK+18, JBA+17, KJS+19, KKW+20, LJM+16, LD+17, MG+05, M+14, MGK+17]. Augmenting
[BBG+13, RPC+10]. auroral
[BWR+05]. Author
[Ano+5a, Ano+9b, Ano+92a, Ano+93, Ano+94, Ano+95, Ano+96]. Authoring
[BBS+13, CGG+17, ENC+21, PRM+16, AGP+20, CDM+02, GDG+17, KGG+20, MCS+15, PTOS+15, ZB+13]. Authors
[RB+06]. Autocomplete
[PX+18, XCW+14, XWS+15].
AutoConnect [KSS+15]. Autocuts
[PTH+17]. autoencoder [CKS+17, KCW+18, SYS+21, XLL+20, YI+17].
Autoencoders
[LP+19, X+17, SHM+18]. autofocus
[ZMN+19]. AutoHair [CS+16].
automata [CL+13, Ols+84].
[ASN+20, Cas91, FZBR16, HK12, KG04, LAC08, LJI13b, SaLY+08, DHL14, NMD+17, POT17]. Automatic
[AB89, APS+14, AFP+95, BP07, BPK05, CCL12, CLJ+20, CYW+16, CLW+14, FN089, GYQ+18, GSP08, GKT13, HMAM09, HEH05, KSH+14, KAB+10, LHM09, LdPS84, LYO+10, NAH+18, SWTC14, SNF05, VAZH+09, WYY+14, YZW+16, BJD+12, CSW+16, CXY+15, D9K09, DIP+18, HFTF15, HG09, ISS16, JBK+12, JTRS12, KC19, LPRM02, LRNF04, LSH+10, LHM+18, LZT+19, LKvK+14, MPBC16, Pe05, RKK5+07, RCOL09, Sh0a03, WLY20, XLY09, XSTN14, YYT+11, YYTC12, BZL+17, MYH+10].

Automatically [LNLB16, MSQ+18, MAS+16, BKD+08, DIO+12, RMBB13].
Automating [LLN+14, Mac86, SG91].

automultiscopic [DSAF+13, DDD+14, EDF+16].

Autonomous [XZY+17, DE05, LXS+18].

Autoscanning [XHS+15, WSL+14].

autostereoscopic [MP04, SMG+05].

auxetic [CPSP21, KCD+16]. auxetics
[KLPCP18]. Avatar [HSW+17, IBP15].
avatars [BWS+21, BBG+13, CWW+16, LCR+02, NSX+18, SQRH+16].

AverageExplorer [ZLE14]. Averages [BF01, PBDSH13]. avoidance [KOOP11].

avoiding [Fat09a]. Aware
[MMG18, TZZ+18, ALL+20, AMG+19, AFTCC07, AS07, BWS+21, BWKS11, BN21, CA090, CAD19, CPD07, CLMK17, DAD+18, DLSC08, DEN+12, EMU15, ESZ+17, FFL10, FSF16, GO11, GLT+21, HFSZ11, HK18b, HWG+13, KE18, KH10, KRK11, KP18, LSO+16, LVKS21, LZX18, LYT18, LWCT14, LW15, LFJG17, LXS+18, LGG+07, LSC+12, LLR13, MLPP09, NID20, OHH+18, PQQ+08, PHK11, PGZ+19, PLR+16, PLKD18, RVB+03, RN+07, RAW08, RV08, RALV09, SLS+07, SNW21, SRB+19, TSL+16, TFK+03, TAKW+19, WFS+09, WLP16, WLL+19, XWY+09, YWS+11, ZAC+17, ZJMB12, ZQCL19, ZQPM12, ZHS+20].

awareness [SGX+21, XLL+21]. axes
[YS+16, YLJ18]. Axial [PVY90, TAV+10].

Axial-cones [TAV+10]. Axis
[CCW93, LLL+20, LWS+15, MWR12, MWRD13, MLS+18, B004, DWW+18, ERP+19, FZZ+20, MYRD14, MGP10].

Axis-Aligned
[MLS+18, MWR12, MWRD13, MYRD14].

Azimuthal [KM17].

B [BS88, BS90, CG89, FW12, Pra89, RLU95, WPL06]. B-Spline
[BS88, BS90, RLU95, CG89, WPL06]. B-Splines
Pra89, FW12]. Back [Bof91].

background [PEL+21, ZWZ+16, ZYQ+14].

backlighting [WLHR12].

backpropagation [VS21]. Backward
[MEM06, TJ08]. badly [SBHH16]. balance
[BBPD12, HMP+08, MZS09, TZCT20].

balancing [PWLSH13]. Ball [Sai89].

ballistic [RP03, SP05]. Band
[BBPA15, HC04, LHZ+18]. Band-Sifting
[BBPA15]. bandelets [PM05]. Bar
[Os92].

codes [MLZ19]. barriers [LHRK10].

barycentric [BPC16, BLD16, ZDL+14].

Bas [SKC+14, WDB+07]. Bas-relief
[SKC+14, WDB+07]. Base
[War92, GDC15, LVS+13]. base-complex
[GDC15, LVS+13]. baseball [TAH+04].

Based [AASP17b, AFP+95, BD86, BVF17b, BBPA15, DFM88, Er18, GNNM15, HWZ+14, HC86, HZE+19, HJS+14, KM97, LZCX19, LYY16, LH17a, LSSW19, MCEY14, ST16, SLGS01, SS00, WHYH20, Wse88, YFFA21, YYL+19, YIC+14, ZTT+21, AHSS04, AvdP16, AASP17a, AVF17, APPO21, AVB08, ATW+17, AG05, ASF+13, AAM03, BLDL21, BBPP10, BP08, BDD11, B02, BB+13, BSHK04, BKR17, BSPP13, BJ+12, BNB13, BD02b, BLDG+16, CWW+16, CH07, CTF+15, CKSK11,
Biomechanics

[McI83, ALS+18]. best-buddies [ALS+18].
Beta [BB83, Joe90a, Joe90b, TB87, Joe89, NCVMO05]. Beta-connection
[NCVMO05]. Beta-Spline 
[Joe90a].
Beta-Splines [Joe90b, TB87, BB83, Joe89].
better [AFSR03, Jam20, ZAE+14].
Between
[MPB17a, BDG15, BWS10, CMT04, CFW13, CNR08, ESBC19, GJK05, MPB17b, MRF06, OBCS+12, TMY+11, WM14, YMW+16].
betweening [HYNP20]. Beyond [BJ17, Cse19, Hac18, KCD+16, WKF+21, ZB14].
Béringer [BC14, DeR88, Gal99, GPSZ11, BCS05, cWP03].
Bicubic
[FoL87, KOP7, LM91, LS08]. bicycle
[TGLT14]. Bidi [HLHR09]. Bidirectional
[NID20, LRL95, WKB12, BNTS07, CRSt16, FCGH08, HP03, HHA+10, KBD07, QZG+19, SOHK16, TZY+02, YTS+11, YHCOZ18].
BiggerPicture
[WL+14]. BigSUR
[KFWM17]. Biharmonic
[IKCM13, LRF10, FW12, JBP+11].
bijections [APL14]. Bijective
[CSZ16, JSZP20, JZT+21, SS15, JSP+17].
Bilateral
[CGW+13, CWH16, CLKL14, FDC003, CPD07, DD02b, GCB+17, KCL11, Wei06].
Bilinear
[ASK+12]. Billboard
[DDSD03].
Binary [Kou16]. binding [LZT+19].
Binocular
[YZWH12, CAD+21, HXFW20, VWB+12]. biological [Sut06]. biologically
[JWDL19, WHDK12]. biologically-based
[WHDK12]. Biomechanical
[SSB+15, SLST14, LT06, LST09, NZC+18]. biomechanics [ZSB+17]. biomimetic
[NZC+18]. biped [CLS03, CBvdP10, LKL10, LLK+15, SKL07, VSHJ12, YLVdP07].
bipedal [GvdPvdS13, cWP10]. bird
[cWP03]. Birefractive [BGK16].
birefringency [WW08]. Bisector [EK98, ZWK14]. bispectral [HHA+10].
Bistable [CPSP21]. bitmap [GS82, Piki].
black [LYC18, TYY+19]. black-and-white [LYC18]. black-box [TYY+19].
blackboard [SBLD15]. blackboard-style [SBLD15]. blend
[GBC+13, LD13, LAH+21]. Blended
[KLF11, ZBB18]. Blending
[Hil89, RWTT14, Roci89, War89, ALX+14, AT+17, HPP+18, KZ008, NSS+19].
blendshape [SIL11]. blendshapes
[SLS+12]. Blind [BTS+15, YSQS08]. blink
[LSL+18]. blink-induced [LSL+18]. Blister
[HR05]. Block [MLS+18, YNW16].
Blocking [LSL+16]. Blocks
[LLW15, CLF+18, LCO+16]. Blockwise
[KIM+19]. Blossoning [DGHM93]. Blue
[Fat11, HSD13, JZW+15, MEA+18, QH17b, dBOD12, AP+16, AW20, CGW+13, GWN+03, KTBV16, KCODL06, LWSF10, ODJ+04, QH17a, SLS+16, SZG+13, Wei10]. blue-c [GWN+03].
Blue-Noise
[MEA+18, Fat11, AW20, SZG+13]. Blur
[VWS+15, AXR09, BHR13, BSS+13, ETH+09, HCOB10, HQL+10, LEB+10, LSR18, WKF+21]. blurred [YSQ07].
blurred/noisy [YSQ07]. Bodies
[BC14, CMT04, CFW13, CPMK21, DFB+17, GB03, HRZ+13, IGLF06, JTSB16, KEP05, LHLK10, PMS12, RGL15, RTB17, SJK15, WMW+15, ZFB+10]. Body [SQRH+16, ACPO2, ACP03, BWS+21, CZJ12, CBK20, EM010, FLST+21, FTP16, GHZ+20, HHC+19, HFG+18, KIL+16, KE18, KP11b, L14, LST09, LTK09, LKSV13, LKVG13, LHZ+21, MTP+18, MEM+19, MTA+20, PRMG16, PES03, SPS+11, TTL12, Tn20, TB12, TJO8, VSK+17, WY16, WSJ17, WZC12, WP12, ZSZ+14, ZJ10, ZBG15b]. body-aware [LVK21]. body-mounted
[SPS+11]. bodybuilding [SZK15]. Bokode

WM14, WTGT10, WRS⁺12, changing [MBF04, PH15a]. channel
[HLR⁺17, WYL⁺20]. Character
[BCV⁺15, BVF17b, Cor18, EHSN20, HDK07, HTCH15, LZCV20, WAH⁺10, WZC⁺20, AWL⁺19, AVF17, DYP03, GCR13, GRGC15, HYL12, HKT10, HSK16, HKS17, IWZL09, JFG⁺14, JMD⁺07, KS12, KHKL09, LLP09, LWB⁺10, LLL18, LMLL21, LWH⁺12, LWS02, LP02, MZS⁺11, MMG06, MG03, PALvP18, PMA⁺21, RP03, RP07, RTK⁺15, SH08, SKSY08, SZKZ20, TBvdP04, TLP07, VGB⁺14, WLO⁺14, YL10, dSDP09].

character-agnostic [AWL⁺19].
Characterization [CSBC⁺17a, CO19, CSBC⁺17b, RZK11, SMCT18, SD89]. characteristics [CI97]. characterizes [ZCL18]. Characterizing [FSH11b].

Characters [LV16, LH17a, BBJP12, BP07, BBS⁺13, BVS16, BDI⁺02, CBL⁺16, CBlvP09, CTN⁺13, DE05, EAPL06, HLX⁺21, HXX⁺19, JH11a, JH11b, JSMH12, JHS12, KJ11b, KLF⁺19, LYWG13, LH17b, LHT⁺19, ML07, MLPP09, MPP11, STC⁺13, SGD⁻10, SD0⁺04, SKC⁺14, TCG⁺14, WGH20, WGH21, XLS⁺11, XKCB18, XZX⁺20, YL08].

Charcoal [BMS88].

CHARMS [GKS02]. chart [BHMK⁺18, GP09]. Charted [Pan17].

Chartor [Fol94, Fol95b]. Chebyshev [Pan15].

Chemomechanical [HJK⁺20].

Chen [YXH14, XW09]. chi [LLZ⁺20].

chi-squared [LLZ⁺20]. Chief [Baa91].

Chinese [XKX⁺06]. choices [HHF16].

Cholesky
[CSHD21, HL8021, HA18, HSH20].

Chopper [LBMR12]. Chordal [CLJ20].

choreography [CTL⁺21].

choreography-orientated [CTL⁺21].

ChoreoMaster [CTL⁺21]. ChromaBlur [CLS⁺17].

chomatic [CLS⁺17, GKK⁺05].

Chromium [HHN⁺02].

CIELAB [HRV97].

Cinema [EDF⁺16].

Cinematic [GLC⁺18].

Cinematography [ASN⁺20, JWW⁺20, NMD⁺17, PVL⁺05].

Circle [PF89, KSS06]. Circle-Brush [PF89].

Circles [Mcl83, MST89, SHWP09, Bak94]. Circular [BPK⁺11].

Circularly [GCP⁺10].

circulation [DBWG15, ETK⁺07].

circulation-preserving [DBWG15, ETK⁺07].

Cidade [LWL17, XFX⁺09]. City-scale [LWL17].

Clark [LFS16, LJG14, LS08, MRF06, NLMD12].

Class [Ree83, Yuκ20, PKLI⁺19, We10].

classes [LZZ⁺21, SS10b]. Classification

[Jan91, JTMW20, CSHH21, ISSI16, Man86, ST14, TTWM14]. classification-driven

[ST14]. classifications [WYXJ21].

classifiers [BWSS09]. classify [NXS12].

clean [NHS⁺13]. cleanup [SSISI16, YVGV20].

Clearance [Kal14]. Clebsch

[CKPS17, YXZ⁺21]. climbing [NRH17].

clip [LHE⁺07, LEN09, LLLL21, Mir98].

Clipless [LAKL11]. clipmaps [LH04].

Clipped [BXH⁺18]. Clipping

[ABE⁺20, LB84, Maa92, GH98]. Clone

[MLD⁺08]. cloning

[BKS⁺12, FHL⁺09, LSC⁺12, SLS⁺12].

Close [CPS15, FKI⁺14]. close-range

[FI⁺14]. Close-to-conformal [CPS15].

Closed

[LM91, BWSS12, FX8H16, JSW05, vW09].

closed-form [FX8H16]. Closest

[KTT13, kC21]. closing [SKS12]. Closure

[LWH15]. Closure-aware [LWH15]. Cloth

[WWYW21, AMJ12, BWK03, BFA02, CF813, CK02, CLMM014, FYK10, GHH⁺07, IM12, JGT17, KJMS08, KJMM10, KG811, KKN⁺13, LWS⁺18, LDN⁺18, LTT⁺20, MBT⁺13, N0S12, OKR10, RPC⁺10, SBD1J13, SNW20, TJM15, TWL⁺18, VMT09, WOR11, WZC11, WPS18, WCF07, ZLB16b, LTT⁺20, TWL⁺18].

ClothCap [PMHPB17].

Clothing
column [HPB07, HWH+16]. CoLux [Par17]. combination [Ale02, dSDP09]. combinations [HR05]. Combined [OKH+16]. combiner [BHHM20].

Combining [BWG03, DKH+10, JASR99, PS04, CGG+17, DSB+12, EB14, HP17, NRDR05]. combustion [PJH+17]. comfort [DMHG13, KBBD17]. Comments [Pav90, WP90]. commodities [CGG02, EMF02, FGBP11, GGN18, GDC15, GM05, GLY+03, JBP06, JSP17, KH06, KTS+14, KBT17, KSSCO08, LZ16, LDS03, LRA+07, LTT+20, LP02, LVS+13, MZD05, MB12, MTP12, PMS12, PKZ04, RSM+10a, RBF08, SS14, SILN11, SWF+21, TG04, WSP21, WM03, YMR+13, ZBX+21]. Complexes [PBCF93, AA06, DRvdP14, GD02, ZQC+14]. complexity [CI84, ME05]. compliant [MZW+17, TZCT20]. component [KCKK12, SSK+17, YWS+11]. component-based [KCKK12].

Components [WLZ+21, DYY16, HFF+17, NKGR06, NVW+13, SHHS03, SFWG04, WZF+18]. Components-based [WLZ+21]. compactable [FH11]. compose [Rit18].

Composing [De088]. Composite [MPP11, AMG+19, SPSH+17, WMZ+13, ZKBT17]. composites [XADR12]. Compositing [Duf17a, KSH+14, Aga07, BSS+11, BPBi13, CGC+03, DWT+02, Duf17b, HLR+17, RGF+20, SGW06, YTBK11]. Composition [DGHM93, LM97, BGKS17, CLC14, GB08b, HGCO+12, LYvdPG12, ZJ18, ZXC+18].

Compound [TMM+21]. comprehensible [BF08]. Comprehensive [LST09, JdJM14, JNSJ11]. Compressed [MUH19, SLM+17a, NNSM07, SLM+17b, WYL+14]. compressible [GHG+20].

Compressing [LSA05]. Compression [Ari06, BIP01, MUH19, SILN11, SFWW15, AFSR03, BCG05, FLW02, GD02, IG03, LAJJ14, LD13, LVGO21, MEMS06, MCHAM06, Nah20, PM05, RA106, TDL+18, TR98, YGM97]. Compressive [ITM+14, MWH+13, MWBR13, PML+09, HWRH13, HWR14, LLWD14, WLHR12].

Computation [PM95, PYY90, VMKK00, WJZZL08, FBC18, GSCO12, GSH5, HZ82, ILSS06, JTL+12, LK02, LFH15, LWL+09, MIB15, PSBM07, QHY+16, RGK+08, SHE13, SGG+06, TLK09, TK14, XLC+16].

Computational [AHB18, BGKS17, BAD10, BM07, BLT+15, CTN+13, DSZ+16, FGN84, FSY+15, GJG16, GGP+20, GA20, HGG+11, IWHH20, LDTA17, LZF+19, MZL+17, MLB16, MDKD16, OKH+16, PIC+21].
PKPP21, PYB+16, PRM14, POT17, RRMG10, SZK15, SPG+16, SHHW16, STC+13, SWT+17, SZ15, TCG+14, WHG84, XZM+18, YCC17, ZYZZ19, ZFS+19, AJD+10, AMG+18, BPK+13, DYN03, DKNY08, FV96, Fre16, HRH+13, HWBR14, HPK+17, JWI+21, KCD+16, KPM+17, KSS+15, KS11, LHG+09, LLMZ16, MDZ+21, MPI+18, MZB+17, OHR14, STTP14, WFDH18, XKF+18, XDF+19, XRLF15. 

computationally [KTY09]. compute [LMAS16]. computed [Bae18, IYY14].

Computer [BG89b, CT82, Coo86, Gol84, Gol85a, Hil86, KP92, MSK10, MRC+86, Pav90, SMPZ15, SLGS01, WP90, Ano03, ACMS10, Gol02, HCW15, ILB15, KFS13, PVL+05, RLR+21, SHL+17, TL04, WQLJ18, WQF+21, YGM97, ZAJ+15].

Computer-Aided [BG89b, Gol84].

counter-assisted [ILB15].
counter-controlled [Ano03].

Computer-generated [MSK10, WQF+21, ZAJ+15]. Computing [ACP+01, BH14, CCW93, DLSCS08, DEX96, FCJ07, FLG15, FL16, GOMP98, HBLM11, LWS+15, LPS+13, PYW14, PV06, SS19, WC21b, YYL+19, ZWL+18, BFH+04, CW113b, OK10, PNH+14, SCS+08, YPB16].

concatenative [AJM12]. Concept [IBB15, LB84, GHL+20, SBSS12, SLZ+13].

Concurrency [Hil86], concurrent [BL12].

condensation [TMKD15]. Conditional [AZMW21, GDG+17]. conditioned [AZMW21, CSHD21].

Conditions [BS88, SGWJ18, BBPD12, KO11, MKRH11, MAF+09]. Cone [SSZC010, LSVT15, SSC18, WSP21].

cone-joints [WSP21]. Cones [CSZ220, TAV+10, Van06]. conferencing [KPB+12]. configurable [Pel05].

configuring [RvBB+03], confinement [WJ19]. confocal [LCV+04]. Conformal [GA20, SSP08, VMW15, CPS15, CPS13, GSC21, KSS06, LPRM02, SSC18, WG10].

Conformation [BGFAO17]. Conforming [Ale20, ACA+19, HGC0+12]. congruent [AMCO08]. Conic [Pav83, PK83, Pot91].

conical [LPW+06]. conics [Far89].

Conjoining [NSX+11]. conjugate [BFGS03, LXW+11]. Connect [LKV+14].

Connect-The-Dots [LKV+14].

Connected [ZGH+16, ICG17]. Connecting [SJR18, GITH14].

Connection [LTDI16, BWS10, GDDI05, NCVMO05]. connections [PVG19, TH19].


conservative [ANZS18, QZG+19]. conserving [CKMR+21, ISF07].

Considerations [VW94, VW95].

Consistency [RO94, SAA+21, BATS+15, HSGL13, LWA+12]. Consistent [ACBC017, DNZ+17b, RSM10b, ZCT+21, ALS+17, CRA11, DNZ+17a, DDT15, ENC+21, HZG+12, ISS17, LCK+14, SLL+21].

consistently [LWC+11], consolidating [LRS18].

Consolidation [HLZ+09, WHG+15, ZSW+10]. Constant [WHHY20, PCL+12, VSJ21].

Constrained [BR94, KUJH21, MVH+17, SW18, SCD+21, BSD09, CBYvdP08, KS03, LZC+18, MS13, MZ13, SJLP11, TBT08, TNGF15, WBB16, YPPM11, YK14, ZJL14, ZHCJ15]. Constraining [SWW+20, YCP16].

Constraint [BD86, CH07, GAB20, Sha03, BML+14, HK12, JASR99, KHD14, SA06, WG09].

Constraint-Based [BD86, CH07, Sha03].

constraint-solving [JASR99]. Constraints [FH97, Gol84, KF93, RHW94, SW14, TQ94, AFC+10, BGFAO17, HGS+19, HZ82, IOI05, JTCW07, KOOP11, SVTSH14, XLC+16, YL08, YYY+12a].

ConstructAide [KGFF14]. Constructing [LFXH17, MHS+17, OHR14, STTP14].

Construction [AFH20, FG90, HJS+14, LMAH+18, SH07, SB95, WLY+16, BO04].
Constructions [DB88]. Constructive [CCK92, DZCJ21, FH97, JASR99, LDF14]. Constructor [VKJ17]. Consumer [CKH18, LWCT14, WZN+14, ZK14].

Contact [Er18, KL17a, LFP21, MHNT15, MLPP09, PAK+19, TFD+18, AVGT12, AFC+10, BLT+15, BFA02, CMKR+21, DQBDD21, GHZ+20, GHF+18, HSV+09, JTL+12, JGT17, JL6+09, KJM10, KSJP08, KP03, LYK+21, LLJ+11, LDN+18, LFS+20, LKJ21, LyvDP+10, LCBD+18, LJBB20, MZS+11, MTP12, MWT13, PRWH+18, RCP021, RLR+21, RLZ+21, SZKZ20, TB20, TK14, VBG+13, YL12, ZJ11]. Contact-aware [MLPP09]. contact-invariant [MTP12, MWTK13]. contact-rich [LYvDP+10]. contact-space [JTL+12]. contacts [BBG21, Dav20, JL11a].

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].

Conteantion [HC86]. Context [FH10, HTG14, LGG+07, SAC004, HZvK+15, KP18, LMS13, LSD+16, LPBM20, PKM+11, WLP16, YCL+20, MGT+03].

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

Context-based [FH10, HTG14, SAC004].

contexts [MSG+21]. contextual [CLW+14, XMZ+14].

Contingent [KAW20, ATM+17, KK20, MSM+17].

continua [N013]. Continuation [YCBvdP08, SAJ21].

Continuity [BS88, DB88, GP09, SYSP14, Far89, HH10, HB89, Pot91]. Continuous [AZMW21, KP03, LWH+12, MM08, PP93, PMA+14, RPWO18, SMP03, Sei93, SHD+14, TMOT12, TSLP14, TWY+20, YIC+14, ZRLK07, ZLW+16, BGSF10, BBE12, DTP15, Kou16, LVGO21, Lev06, OLGM11, PBJ+13, SMGH18, SXZ+20, TMY+11, TTWM14, TBC+16, TLP07, TGF+13, Wan14, WHK17, WHL+13].

continuously [TDMS16, ZIT+18].

Continuum [TCP06, YSB+15, CLC+20, DBD16, MSW+09, WFL+19, YSC+18].

contoning [BVF+17a]. Contour [DWTW90, Zydd88, PV06, VM06].

contoring [BGOS06, JLSW02]. Contours [EPO91, MSS92, BHK14, DFRS03, SPO10].

contraction [ATC+06]. contraptions [RCL91].

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

contrastive [CHY21]. Contributing [BDD11]. Control [BB83, BSM88, BVF17b, CJM21, DLG90, EHHN20, HIl87, LHJ+14, LVY16, LH17a, PM17b, SLST14, WGH21, AFV17, BP08, BDSP09, CH05, CWCl1, CLL+21, COS+19, CBvdP09, CBvdP10, DZS08, DKNY08, HYL12, HRL15, HGG+11, HSVTP12, HKS17, HHC+19, HZM+08, IWZL09, ITM+14, JL11b, JWL+13, KLL+07, KCD09, LCR+02, LT06, LKL10, LES10, LPKL14, LYP+18, LLL18, LPL19, LML21, LWH+12, LC15, LyvDP+10, LyvPG12, LWG13, LH17b, MTP+18, MZS09, MTPS04, MB21, MLPP09, MPP11, MRK20, NZC+18, OHB+11, PM17a, PMA+21, PSE03, RSH+05a, RTK+15, RCOLO9, RINJ16, SSB+15, SBR+15, SJJ12, SG+16, SH08, SMD+15, TER+20, TMPS03, TLP07, TJP07, VSCL12, WMZ+13, WWH04, WPKL17, WPL18, WGH20, cWP10, XYJ13, YL10, YLvdP07, YHZ+14, ZKSK18, ZZZC13, dSDP09].

Controllable [SY05, SG01, WG10, XCLT14, ZSADF21, HAB20, LH05, LSC20, MDLW15, FWJ15, PML16, PML17, SML18].
Crossbreed [PSN20]. Crossing [AG05].

crossing-based [AG05]. CrossLink [HOM15]. CrossShade [SBSS12]. CrossY [AG05].

Crowd [FY+16, KSHG18, DHO05, GvdBL+12, HXZW20, HOKP16, KSNG17, KSVL14, 
MLD+08, NGCL09, OPD010, WLP16].

Crowd-driven [FY+16]. crowds [JCP+10, KSNG17, KSS11, KOOP11, 
MLH+09, TCP06].

crowdshaping [SBSS12].

crowdsourcing [LFTC13, ZAE+14]. CRT [MC92].

Crumpling [CLG+16, SRH+15, NPO13]. Crystals [Ste20, WW08].

eSculpt [CSTP16]. CSG [DIP+18, Jan91, RV89, SV93].

Cut [BMZB02, CMSA20, CPWAP08, KWL+21, 
LSS05, PTH+17, ZCLJ20].

Curved-Knot [SYS14]. CurveFusion [LCC+18]. Curves [ACC90, AS21, Che92, EK98, FG90, Hob90, 
Hob91, Joe90a, Kla91a, MD94, Mil87, Pet89, 
Rap91, Sai93, Tan94, YSC21, AB89, BWSS12, 
DJBDT10, GMP09, HB21, HB89, JCC20a, 
JCW09b, KST08, NISA07, OBW+08, PZ08, 
SS14, SBSS12, SSJ+09, STZ14, 
WLP06, XSTN14, YSW+17, ZS00].

CurveUps [GMB17]. curvilinear [XLY09].

CurviSlicer [ER+19]. custom [SBK+18, WPMR09].

customizable [SSJ+18].

Curved [AG05].

cubature [AKJ08]. Cubes [LEQ+07].

Cubic [BCX95, BHN98, Hob91, 
Kla91a, Kla91b, LJH13a, PNP93, vW84, GI04, 
JSC+09, LIG14, SD89]. cubic-order [GI04].

Cubics [Kla94].

cuboid [SMH+14, YCC12]. Cues [WF96, HCW15, NAB+15].

culling [AHAM15, BJ110b, HAM07, HAM09, 
LHLK10, TMY+11, WLH+13, ZRLK07, 
ZJ12]. Cumulative [AHC09].

cumuliform [DKNY08].

cured [ZBKL18].

CurvBridge [BH07].

Curl-noise [BH07]. Cursor [BH07].

Curvature [BHS90, Far89, 
IBB15, BBR+21, CPS13, GMB17, KNS+09, 
Lev06, PCL+12, Pot91, WPL06, YSW+17].

Curvature-based [WPL06].

Cylinders [AKJ15, BKLP16, BHR13, SC18].

cycles [XLY09].

CycleUp [GMB17]. cycle [XLY09].

cylinder [CXC15].

Cylinders [BH85].

D [BIP01, Bou18, GIZ09, SLV+13, AJS20, 
AKZ+17, AWL+19, ALI+13, ALX+14, 
AXZ+15, AZB09, AAR05, AS21, AHI+08, 
ARS14, BVF+17a, BKLP16, BHR13, BP07, 
BSS+11, BSK+14, BSW02, BBN+12, 
BSS+13, BVG11, BKG+13, BWSS12, BV16, 
Bly06, BSM+07, BR07, BAU15, BATU18, 
CCA+12, CB04, CWLZ13, CKH18, CAD+21, 
CMZP14, CK10, CKGK11, CSGF09, CSPF12, 
CZL15, CZL+15, CKW15, CLF+18, DNZ+17b, DNZ+17a, 
DS15, DLSCS08, DSAF+13, DKB+16, 
DIP+18, DLH14, DDP02, DDB+17, 
DSC+20, ESCK16, EBGB14, EDF+16, 
PSB+08, RPC+21, TCL21].
MUB15, MPBM03, RPE⁺05, SSIII18b, SJR18, WLL⁺14, WSL13, ZCW⁺17, JTCW07.

**Database**

[GF82, HML15, SBHII16, XLS⁺11]. databases [Ari06, MPF⁺18]. dataflow [HZG09]. Dataset [WGY⁺18, WPL⁺21].

datasets [BZL⁺15, KGB⁺09, OAH11]. day [SPDF13, WM14]. de-animating [BAAR12]. dead [KHS03]. deblurring [CL09, CWL12, JKZS10, LWC19, RAT06, SJA08, WHB⁺12, YSQS07]. Debugging [HZG09, DNB⁺05]. decal [SGW06].

decimation [DTB06]. decision [DPF03].

**Decisions** [GF82]. DecoBrush [LBW⁺14]. decodable [KPM16].

**Decomposable** [Zyd88]. decompose [CZL⁺15b, MAYZ⁺20, Riu18, ZZX⁺18].

decompose-and-carve [MAYZ⁺20]. decompose-and-pack [CZL⁺15b].

decompose-and-spiral-carve [ZZX⁺18].

**Decomposed** [LGL⁺19]. Decomposing [TDSG15, TGL17a, TGL17b].

**Decomposition** [BBPA15, LWI5, MLS⁺18, SBN15, TM84, AFO05, Bel18, BHY15, CRA11, CLJL20, GLDZ15, GNS⁺12, GJK⁺05, HXZ20, HLZCO14, KT03, KOU16, KHLN17, LD12, LGZ⁺13, NAI⁺18, PK05, SSSD09b, TEG18, TLJ18, TLH03, XKK⁺06, ZZWC12, ZYH⁺15].

deformations [FFLS08, MSM⁺17, MCK13].

decoupling [KWB⁺13, YSQS08].

**Decorative** [YKGA17a, LBW⁺14, YKGA17b, ZHHZ20].

decorator [CXY⁺15]. decors [CML⁺17].

**Decoupled** [RKLC⁺11, CMT13].

**Decoupling** [RKAP⁺12, SHD⁺18, WYL⁺14, LFJ17].

dedicated [RLR⁺21].

**Deep** [ACOH⁺18, BHHM20, BL⁺18, CK20, CPW21, CM14, Duf17a, Duf17b, EKM17, GLD⁺19, GCPD16, GCB⁺17, GZC15, HWI⁺18, HCL⁺18, HPP⁺18, HKA⁺18, HWZ⁺20, KR17, KMM⁺17a, KHL19, KP18, KG⁺18, KNC⁺08, LLW17, LH17a, LSSS18, MHP⁺19, MFP⁺20, NCC⁺18, SCO17a, SCO17b, SBK⁺18, WSCR18, WHG⁺15, WSS18, XSH18, XBS⁺19, YZW⁺16, YHL⁺18, ZYM⁺20, ALL⁺20, BOD18, CLL⁺21, CYT⁺18, DAD⁺18, EKD⁺17, HLY⁺21, HGY17, HLY⁺18, HSK16, LT20, LGA⁺18, LYY⁺17, LOW18, LH17b, LH18, LZF⁺19, MTP⁺18, PBvd16, PBY17, PALvd18, PHS⁺18, SSR20, TKY⁺17, WSL18, WLY20, YSW⁺20, ZZZ⁺17].

DeepFaceEditing [CLL⁺21]. DeepFocus [XKF⁺18]. DeepFormableTag [YMJ⁺21].


DeepSketch2Face [HGY17].

DeepToF [MHP⁺15b].

Defending [Wan14].

Deferred [GCC⁺20, TZN19, CMT13].

deficiencies [SHM16].

Defined [Ka]83, vW84. Defining [AK04, HLV17].

Definition [vOV96].

Defocus [MMP⁺05, VMS15, BSS⁺13, HQL⁺10, ZN06, ZMN⁺19].

defocused [MLR⁺14].

Deformable [BdSP09, BC14, CSAP21, CMT⁺12, MEM⁺19, PM18, VJ19, BJO5, BSG12, CFW13, DSP06, DLL⁺18, FGBP11, GJK⁺05, GSF05, HSvTP12, HNB⁺06, IM10, ISF07, JF03, JP04, KUJH21, KJ09, KP11b, KSS12, MCC09, MB12, NKJF09, PYW14, RMSG⁺08, SvTSH14, STC⁺13, SLS05, SG⁺06, TTT⁺20, WBS07, WM15, XWW⁺09, YJM⁺21, YLX⁺15, ZBYX19, vTSSH13].

deformable [KBT17].

Deformation [AXZ⁺15, BSB16, CO19, GLL⁺16, GPHSH19, JS11, JW⁺14, LLF⁺20, SP04, SJA⁺20, WWY⁺15, ZYI⁺17, ACP02, BOD18, BVGP09, BZ11, BCWG09, BBO⁺10, BSB17, BWKS11, BJD⁺12, BN21, CW17, SsVSh18, FH07, FLK21, FKY08, FYK10, GB08a, GYQ⁺18, GPCP13, HSL⁺06, JBP011, JF02, JAM20, JIA21, JTSB16, LFS⁺20, LCS⁺21, MJČ⁺08, NFA⁺15, NVW⁺13, POB09, PH06, PH08,
RS98, RTD+10, RJ07, SMP03, SMW06, SYBF06, SZT+07, SWW21, SSP07, VB+13, WJBB15, WG10, WY04, WBGB16, YK14, YCHK15, ZHS+05, ZPBK17.

**Deformation-driven**

[AXZ+15, ZYL+17, MJJC+08].

**Deformations**

[BR94, AKJ08, CGC+02, CPSS10, CPMK21, CPS15, HZ13, JzvdP+08, KG05, LKF12, MZL+17, MJBF02, MHTG05, TMDK15, VMW15, Wan16, ZJ12, vFTS06]. *deformer* [BBG21], *deformers* [KS12, PMS12].

**Deforming**

[WTGT09, KG06, SSJ+20, SSW+13, TMY+11, XZY+07, ZIT+18, ZIT+19].

**DeformSyncNet** [SJA+20]. *Degenerate* [EM90, FN089]. *degenerations* [GPSZ11].

**Degree**

[Sei93, SJ94, CADS09, CLS85, PU06].

**degree-raising** [CLS85].

**Dehazing**

[Fat14, Fat08].

**Delaunay**

[Ale20, BSTY15, FAB+18, ILSS06, KLN91, LXFH15, LFXH17, TWAD09, YLH18].

**Delay** [AMN03].

**Delayed** [LLLC+20].

**delta** [LL19, LVGO21].

**Demarcating**

[KST08].

**demonstration** [GAL+09].

**demosaicking** [GCPD16].

**Denoising**

[VRM+18, BVM+17, CKS+17, FDC03, GCPD16, GLA+19, HSI3, Hol18, IMF+21, LYT+14, WLT16].

**Dense**

[HLC+19, SB95, ZK13, BNB13, CKS18, DZ+19, HSGL11, KRF+18, LD13, NGCL09, OCH+16, SWW+20, XIA3+17, ZZXX21].

**dense-weight** [LD13].

**Densely**

[YSHWSH16].

**densification** [HKH18].

**density**

[DLC+15, DJB19, Fat11, GHV+18, HJ10, WHSG97].

**departures** [WDW+15].

**Dependency**

[GF82].

**Dependent**

[YSB+15, KKW21, WWT+03].

**depict** [CSD+09].

**Depicting**

[GLM+08, LMPB+13, BDO06].

**depiction**

[TDR+12, VPB+09a].

**Depixelizing**

[KL11].

**deployable** [PKLI+19].

**deployment**

[KLPCP18].

**Depth**

[CDSH13, CSN+12, Jan91, LES09, LKE18, VKB+18, ZZZ+21, AHAM15, BGK16, BCN08, BHR13, BBO91, CSHH21, CZL+15a, CZN10, FKI+14, FG11, GWM+08, HLRH09, HK18b, JTL+12, KHK11, KKW20, LSR18, LFDF07, LHP+09, LCD06, McCO0, MDB+19, PZM13, RTF+04, STXJ15, SDP+18, SSD+09a, SHM+14, TK14, WGJ+18, WSZ+18, WZC12, WM03, WZN+14, XZS+16, ZSZ+14, ZCT+21, ZK14].

**Depth-of-field**

[LES09, KHK11, LSR18, WGJ+18].

**Depth-Order** [Jan91].

**Depth-processed** [CSN+12].

**depth-sensing** [HLHR09].

**Depths** [Che92].

**Deringing** [WWH06].

**derivation** [WKR99].

**Derivative**

[LTDD16, LC96].

**Derivatives**

[AOCBC15, OKRC10].

**derive** [Spr82].

**Descent**

[WY16, YLYW18].

**descreening** [KP18].

**describing** [RBvB+04].

**Description**

[dFP95].

**descriptive**

[GSV+17].

**Descriptor**

[MOR+18, GMW16, HZV+15, KSH+16, Shv+11].

**descriptor-space** [SVKK+11].

**Descriptors**

[HKC+18, CT17, TD16].

**DESHA** [WSP18].

**Design**

[BI92, BGS95b, BWSS12, BDO+10, BR94, BSB12, BAC+18, Cas91, FSDH07, GDBA+17a, Gol84, Gol85a, JMB+20, JTSW17, LTDD16, LHVT17a, Mac86, PPV95, PTC+15, RH094, SSSL+14, SW14, SG91, TBWP16, TMM+21, VHP012, XZM+18, XLCB15, YKGA17a, AMG+18, AMG+19, AHB18, ACBC017, BB15, BCC17, BLT+15, CK14b, CZXZ14, CLSM15, CLMK17, CPWAP08, CTN+13, DHC+15, DSZ+16, DYYT15, FY+16, GDBA+17b, GSFD+14, JGJ16, GGP+20, GPD+18, GSV+17, HB21, IIM12, JWI+21, KP09, KP10, KCD+16, KSS+15, KSSI7, KAMJ05, LSD+16, LWS+18, LWX+11, LZF+19, LKvK+14, LHVT17b, LCBD+18, MZL+17, MDZ+21, MGDB05, MPPB16, MPI+18, MDLW15, MSS+19, MZD05, MTN+15, MZB+17, MSL+11, MM18].
[BAU15, CZN10, FFL10, Knu87, OBW+08, SXD+12, TMRL14, AW20, BX03, CA09, DI11, DFW20, DJ05, IKCM13, JCW09a, JCW09b, McC99, STZ14, TSN10, WZT+08a, XSTN14, XSH+20, ZF03].

**Digital**
[GRS93, Knu87, KL12, MBS+11, PSA+04, SFB92, SCB88, WDB+07, ZSSJL20, ADA+04, CXY+15, CZX+16, GB08b, ITM+14, PLKD18, RSSF02, RMD12, Sha03].

digitization [HSW+17]. Dihedral
[PRP+15, LS07]. dilution [NGD+06].

**Dimension**
[PBCF93, GZ05].

**Dimension-Independent** [PBCF93].

**Dimensional** [CKH18, Day90, EM94, Gla90, KM97, MEA+18, OF01, AGDL09, BBO91, BJ17, Boi84, CH05, COSL98, EPM+14, GO12, IGLF06, JGN16, Jac86, KMM+14, KTB07, LL19, LVGO21, Lev21, Shelby89, SWZ96, ZHX+07, BSK+16, MIB15, NGKo06, SILN11, TCL21, VKK18, Bly06].

**Direct-Manipulation** [Jac86].

**Direct-to-indirect** [HPB06].

**Directing** [BMM+14, BR21, CHZ14].

**Discontinued** [NhR17, PMW+08, RGF+20, YYYV21, BLPW14, LWC+11, WL16].

**Discovery**
[HGM14, MTP12, JCG+21]. discrepancy
[APC+16, DEM96]. Discrete
[AFH20, AW11, AGL+15, AOCBC15, BUAG12, BWR+08, BAV+10, ESBC19, FW12, GSC21, JHY+14, KSS06, LTDD16, MWT11, Mal89, MOR+18, MG10, RSHH18a, Tau94, TLHD03, AGL+17b, ABA02, CPS11, DBWG15, HPC21, LCCS18, LZZ+21, LZH+17, QHY+16, RSHH18b, SFWK06, SS10b, SRGB14, SGC+06, VBCG10, WX09, YWH13, YXH14, YSC+18].

**discretization** [XSH+20]. discriminative
[ARS14]. disentangled [CLL+21].

**disentanglement** [NBLCO20].

disentanglement [BWWM10, ED+11, EB+06, GM09, Wei10, YW13, DH06].

**Disparity** [DR+11, DRE+12, FKN17, KDM+16, LHW+10]. dispersed [KSYK10].

**Dispersion** [CMT+16, CT05].

**Displaced** [BR21, CHZ14].

**Displacement**
[BvdPPH11, Roe89, DHI+13, HFG+18, MJ+08, NFA+15, NL13, WWT+03, WZYR19, YHCOZ18].

**displacement-mapped** [WZYR19].

**Display**
[DVC09, Jan91, JGN16, LMR83, MDK08, PRM14, RO85, RO87, SBH18, WK95, Zy88, AWBG04, ALK+17, BNK10, BSW02, BGB+05, DER+10, Di18, DDD02b, EDF+16, FH04b, FRS19, GZL14, GWN+03, HWBR14, JBM+17, JBLL18, JMY+07, KYS+15, KJS+19, Kon16, KKB+11, LHW+11, LCTS05, LTO+15, MWH+13, MP04, NBB04, PMOR10, SMG+05, SHS+04, SST+83, TFK+03, THG99, YJB+14, ZN06].

**Display-Camera**
[JGN16].

displaying
[SDIN18].

**Displays**
[Dun83, VN85].

**AFR+07**, BF12, CB04, CTS+20, CKS18, DSAF+13, DDD+14, FRSL08, GVB05, HWBR13, HLR+14, HLR12, HWBR14, HCV15, HPK+17, KPM+17, KBBD17, LHKR10, LL13, LJ+16, MLR+14, MKG17, MS05, MFL17, MSM+17, NAB+15, POAR12, SLV+13, SHK+17, TDMS16,
WLHR11, WLHR12, XKF^+18. dissections
[DYYT17]. dissipation [FGW^+21].
dissipative [BOF^+18]. Distance
[MPB^+17, PP^+94, BR^+21, COSL^+98, CWW^+13b, HCOB^+10, KvKSHCO^+15, LRF^+10, LCDF^+10, MWH^+09, MPB^+17b, TLK^+09, TTT^+17, WPL^+06, WDB^+08, Xia^+97, ZDI^+15].
distances [AWG^+04, SRG^+14, SdGP^+15].
Distinctive [LYF^+20, SF^+07, LRF^+04].
distinctiveness [HRZ^+13]. Distortion
[LYP^+14, SLL^+19, SDK^+19, SJGW^+20, AL^+13, APL^+14, CWKC^+13, CW^+15, CCW^+16, CLW^+16, KLS^+03, KABL^+15, LW^+16, Lip^+12, MZ^+13, PTH^+17, SdS^+02, TBT^+08, ZBK^+18].
Distortion-free [SLL^+19]. distortions
[VR^+13, WFDH^+18]. Distributed
[KSH^+10, LN^+84]. Distributing [MSQ^+18].
Distribution [YMRD^+15, HDC^+15, HHA^+10, LD^+05, LAC^+11, MYRD^+14].
Distributional [PP^+94], distributions
[BSD^+09, DHB^+17, OFCD^+02, ÔG^+12, XH^+18, YHMR^+16]. diverse
[WLO^+14, WGH^+20, XZCOC^+12, YYVY^+21].
divide [Mor^+11]. divide-and-conquer
[Mor^+11]. division [ABJ^+85]. Dilute
[HDGN^+17]. Do [AFR^+07, CGL^+08, CSD^+09, EHA^+12, JMB^+14, WKHA^+18].
dockers [BWK^+11]. document [JLS^+03].
Documents [XXZ^+18, FNvd^+82]. DOF
[HMT^+15]. Domain
[AVF^+17, BVF^+17b, DMZ^+17, G011, LLN^+14, SHD^+14, ALS^+18, Aga^+07, AWL^+13, ALLD^+17, BPE^+17, BZCC^+10, BDT^+08, FLW^+02, FN^+20, GNS^+12, GHV^+18, HSR^+07, HSL^+06, KH^+08, KSH^+10, KMA^+15, KHL^+19, KLS^+13, LKL^+13, Lév^+03, MRK^+14, MKD^+16, MP^+08, PK^+18, SMG^+11, WJ^+19, WW^+11, XZY^+07, YWWV^+13, ZLC^+13]. domains
[HZCJ^+17, MC^+21, NRC^+21, SdGP^+15, TPP^+11, WMW^+15]. dome [HW^+12].
Dominant [SRUL^+16, GJTP^+17, RLZ^+21, SPG^+18, SRUL^+17]. dominates [EMO^+10].
doodles [TBvd^+04]. Doppler
[HHHW^+15, WKR^+99]. Dot [Knu^+87]. Dots
[LKV^+14]. Double
[DBW^+15, RY^+92, SR^+09, YAV^+20, MFR^+10]. double-
[SR^+09]. Double-Step [RY^+92].
Downsampling [ZWD^+16]. downsampling
[GO^+17, KSP^+13, ÔG^+15, WWA^+16]. Drag
[JST^+06]. Drag-and-drop [JST^+06].
dragon [WP^+17]. DRAPE [GR^+12].
draw [CGL^+08]. Drawing [AS^+21, Bil^+82, DH^+96, Kla^+91a, VN^+85, AG^+05, FLW^+16, FTP^+03, Ga^+99, GTD^+10, JDA^+07, KMM^+02, KNS^+09, KL^+13, LZZ^+11, LFT^+13, LBW^+14, PL^+18, SKS^+09, Spr^+82]. Drawings
[BCV^+15, BS^+19, OCNG^+21, BVS^+16, BKR^+05, CSD^+09, FZLM^+11, LMLH^+07, LRS^+18, NS^+11, NHS^+13, RRS^+19, VA^+88, WQF^+21].
drawn
[JSM^+12, SB^+16, SK^+14, XWS^+15].
dress [CYT^+18]. dressing
[CTTT^+15, CYT^+18, GR^+12]. DressUp
[YYTC^+12]. dribbling [HI^+19, LH^+18].
Driven [GLL^+16, JSS^+15, NRS^+15, Tsa^+15, Aca^+07, AZ^+15, AJM^+12, BS^+16, BDM^+09, BW^+12, CT^+05, CGC^+02, CK^+10, CLS^+15, CTL^+21, CT^+17, DPF^+03, FL^+04, FKY^+08, FY^+16, HGH^+21, HDS^+18, HZ^+13, HY^+13, HFL^+14, JW^+20, JHS^+12, JWL^+13, KNS^+09, KGG^+20, KAL^+17, KYS^+15, KP^+11b, KPPM^+17, LIS^+15, LS^+02, LDT^+17, LKL^+10, LTK^+09, LCO^+08, LYG^+15, LT^+00, LYW^+13, LXC^+15, LCX^+16, MJ^+08, MLZ^+16, MP^+18, MTP^+15, MUB^+15, MPBM^+03, NHS^+13, PH^+08, PSF^+09, PL^+07, PNA^+21, RPE^+05, ST^+14, SPDF^+13, SMG^+11, SIII^+18b, SJ^+18, SKA^+15, VK^+16, WYW^+10, WOR^+11, WLL^+14, WSL^+13, WSL^+14, XXZ^+11, XSZ^+16, YHZ^+14, ZCW^+17, ZXL^+18, ZYL^+17, JTCW^+07].
Driving
[BWS^+21, FJA^+14]. Driving-signal
[BWS^+21]. drone [NMD^+17]. Drones
[AS^+20, GLC^+18]. drop [JST^+06]. drops
[BNK^+10, WM^+05]. Drucker [KGP^+16]. dry
[JBBD^+20]. DS [DML^+17]. DSCarver
[ZZZ^+18]. DSL [BSL^+16]. DTV
[KDW+17, SLV+13]. **Dual**
[CBK12, CK14b, JLSW02, Lév03, LFXH17, SCG+05, ZYWK08, HPK+17, KCZO08, LAKL11, LHKR10, ORK12, WSM11].
**dual-frame** [HPK+17]. **dual-layer** [LHKR10]. **dual-space** [WSM11].
**dual-scale** [WSM11].
**ductile** [OBH02].
**due** [GRB09].
**during** [DYT05, HRvdP04, MBF04]. **dust** [OHR14].

**Dyadic** [KBZ15, AW21]. **Dyna** [PMRMB15]. **Dynamic**
[ASP07, AMMS08, BLDL21, BAM14, BSM+07, CWW+13a, CM10, DGH16, DJ18a, HL14, IBP15, Kal14, KH17a, LCTS05, LKZ+20, MLWT13, PBvdP15, SL+16, TQ04, VPB+09b, WSL+19, WPK+10, Wu92, WS17a, XWW+14, YPG01, ZHI+11, ZMCF05, kC21, ADM+08, BBB+14, BI08, CH14, CWW+16, CCW+18, CGC+02, CH07, CZ11, DJJBDT10, DJJBDT13, DHW+11, DD02b, FLW02, GVWT13, GRB+18, HLX+21, HSG+16, HKAK16, JP02, JF03, JSB+10, KSB+13, KR17, KNS+09, KUWS03, KYYL08, KFC006, KLF+19, KH17b, LWH+11, LSA05, LLV+12, LTT+20, LP02, LvdPG12, LNW03, LSS+19, MKR+13, MKMS04, MEMS06, MP04, MW18, MLPP09, MK16, MCK13, MCHAM06, Mus13, NSX+18, NHA03, PBH15, PBYV17, PMRMB15, RSM+10a, RWS+06, RAI06, SMC21, SHS+04, SKY+12, SZT+08, SCT+15, SKS02, SKK+12, SKB+14, SJLP11, SM06, SZZ+07, SZZ+08, SPW+18, TAH07, TPWG02, Van06, VBG05].

**dynamic**
[WBS07, WRG+09, WLHR11, WFL+19, WS17b, YPB16, YL08, ZWW+16, ZHL05].

**Dynamical** [LCCS18]. **dynamically**
[KJS+19, RH16, SSJ+20].

**dynamically-foveated** [KJS+19].

**Dynamics**
[CLMK17, MEM+19, MHNT15, BKLP16, BWRB05, BAC+06, BML+14, BEH18, DBDB11, DYN03, DKNY08, Er07, FLS+21, FTP16, GHZ+20, GvdBL+12, HMP+20, ISN+20, KEP05, KUJH21, KPH18, KLV20, LT08, LLR+15, LFS+20, LCX16, LJBBD20, NGCL09, RGL05, RCP021, Ten20, TNGF15, TJ07, Wan15, WWB+19, WP12, WST09, XB16, ZSZ+14, ZBLJ20, ZP021].

**Ecosystem**
[CGG+17].

**Easy** [FGW+21]. **EasyFont** [LZC19].

**Eden** [FAO03, CAA08, HWG+13, KR11, SGM12, SDD09b, WW+06, BHY15, CPD07, FFL10, Fat07, GO11, HFF+19, KTY09, LADL18, LSvdT15, PHK11, RFD+04, WSM11].

**Edge-avoiding** [Fat09a].

**Edge-aware** [HWG+13, KRK11, CPD07, FFL10, GO11, PHK11].

**Edge-based** [FAO09, KTY09].

**edge-cone** [LSvdT15].

**Edge-guided** [SGM12].

**Edge-preserving** [FAO08, SDD09b, BHY15].

**edgebreaker** [AFS03].

**edges** [BKG03, LD06, Nai98, SNCH08, SC20, WXL17].

**Edit**
[GWJW14, AP08, CZZZT12, GSCM09, JMB+14, KvsKHC15, XL1+09].

**Editable**
[ZLY+21, CZZ+13, EDP09].

**Editors**
[BL18, BBP15, JSH15, JZH07, KG06, LKZ10, PABE+21, SDN18, SSSH17, YFFA21, AYL+12, APS+14, AFTCO07, BCT15, BPK+13, BSG12, BSFG09, BC02, BSK+16, BAOR06, BAERD08, BS04, BMBZ02, BWSK12, BST+14, Bou18, BD02b, CLL+21, CZM+10, CBL+16, CSR07, DTP15, DC14a, DDTP15, FH04a, F07, FFL10, FTZ+19, GZ08, GCSS06, HR13, HSK16, HXM+13, HZW+13, IDN12, JCY09a, JGGN15, KBD07, KRF06, KN02, KHHK09, KLLT08, LRT+14, LBAD+06, LDTA17, LHdG+14, LLGRK20, LWW08,
LTJ18, LKG+03b, LSS+17, MBWB02, NSAC005, PHT+13, PL07, Pe10, PZKW11, PGB03, PHS+18, RDT+21, RAKRF08, ROTS09, SSTP15, SFLM02, SSRB+17, STCP09, SSJ+11, TPSHSH13, UKIG11, WYXJ21, XZY+07, XMR+11, XYJ13, YZX+04, YCHK15, ZWZ+16, ZPKG02.

Editor [GW90, Tan83, Bea91, Ber82a, Ber82b, Fol86a, Fol86b, Fol86c, FGN84, Fuc82, Pha18]. Editor-in-Chief [Bea91].

Editorial [Bea91, Fol91, Fol95a, Gla95, Gla97, Har03a, Har03b, Har04, Har05, Hod00, Hod02b, Hod03]. Editors

[BG89b, BG89a, BG90, FR87].

Effects [APH+03, AHW+03].

edits [HLR+17, IAF09].

Effect [Kla87, DK99, HOKP16, MBB12, SCW+21, ZAJ+15].

effective [APH+03, AHW+03, WWY+13].

Effects [BYRN17a, KFB10, TG17b, YMRD15, ZSSLJ19, JYB17, CLC96, CFW13, GGN18, KKN+13, LFS13, LES+10, LAC+11, MYRD14, PH15a, RAW04, SSBG10, SKC+14, TG17a, WKR09].

efficiency [EA84, LYF+19, Wn18a].

Efficient [AJS20, Aga07, Bbl18, BFK+16, BEB12, Dun83, EDP+11, FP03, GLL+16, GHF+07, GH98, Gue07, HH16, IGLL06, IHW20, JTMW20, KJ10, KGW+18, KL91, KM97, KFS13, LLL+20, LEE01, Lev90, LH16, LFHM15, MZS+11, MWM08, MK16, MRC05, MPG+16, NMLM14, PZM13, PM17a, PM17b, QZG+19, SNCH08, SS00, SBN15, TEG18, TBC+16, VJ19, WAO+09, XJL+09, YPG01, YSHWSH16, AKJ08, DZL+15, BGF1017, BSS+13, CBCG02, CGG+04, DH1+13, DJ16b, ED11, FV96, GSC+15, GWAB19, GAB20, HGT04, HDN+16, HZ11, HJ11b, IZT+07, KV05, Kan15, KHD14, KTY09, KSS17, LSK+06, LSR18, LVS18, LCL5, LSS+21, LKLU12, MDK+16, MG03, NS12, PCHF18, RGK+08, SPO10, SHE13, SODA11, SSB03, SdGP+15, SFWG04, VAZH+09, WWB+14, WWZ+09, WWB+19, WHY20, WSS18, YHMR16, YSJ17, YJR17, YLJ18, ZM11, ZHRB13, ZXB+20, ZSTB10, ZZCJ13, vtSSH13].

efficient [NMLH11]. Efficiently [ACP+01, CSAP12, NDR05, CJAMJ05].

EgoCap [RCC+16].

Egocentric [EMT+20, RRC+16].

eigenfluids [CSK18].

eigenfunctions [DLF12].

Eigensystems [SDK19].

Eikonal [IZT+07].

Elastic [LFP21, PSM+15, SPV+16, BWR+08, BBG21, CPSS10, CZXZ14, GBFP11, HB21, KMOD09, LHD+14, LCB+18, MKB+10, MTGG11, PMS12, PLR+16, LRL+21, SJM17, WOR11, WY16, YLYV18, ZSTB10].

elastica [CK14b].

Elastically [VJ19].

Elasticity

[KS12, CS09, DJ17, KDI19, LHZ+21, MZS+11, NKJF09, SBR+15, SWW+20].

Elasticity-inspired [KS12].

Elastics [LLF+20, LLYC+21].

Elastodynamic [MSW14, MLT17].

Elastodynamics [DJ18a, HLS12, LSNP13, LGL+19].

Elastomeric [JCRA11].

Elastoplastic [FLGJ19, GTJS17, JWJ+14, WRK+10].

Elastoplasticity [JGT17, KGP+16].

Elastostatic [JP03].

Electrostatics [WSSK13].

Element [LHJ+14, LVHT17a, SDG+19, SVB17a, BWHT07, HW16, ISF07, KDI19, LdPS4, LVHT17b, MWT11, MWT13, SVB17b, TCL21].

Elements [BC14, HLV+17a, LKS15, ARS14, BBB10b, CLC14, CLS15, CZM+10, EB08, HW15, HLV+17b, IKM13, JMB+20, KTY09, KBT17, LJM+16, LLK+20, SCGT15, XTM12].

Eliminating [Xia21].

Elimination [And82, RV89, LS18].

Ellipsoidal [PVG19].

Ellipsoids [JTMW20].

Elliptical [FH93, KM17].

Embedded [RK13, SSP07, ALD17, HE03, Jam20, LLK+20, NKJF09].

Embedding [ZZZ20, JWJ+14, CLDF10, SJZP19, TER+20, ZWL+18].

embeddings [AL15, AL16, AKL17, CKW+20, LWH+12, LSQ+15].

Embodied [RTB17].

Embree [WBB+14].

Emerging [MCL+09].

Encoding

[Van06, HZG+12, LDS03, MKMS04]. End [DSJA+21, SDP+18, SZD+20, SWF+21, TMM+21, ISSI16, KAL+17, YMJ+21].

End-to-end

[DSJA+21, SDP+18, SZD+20, SWF+21, TMM+21, ISSI16, KAL+17, YMJ+21].

Endless [HHV+21]. ends [VSK+17].

energetic [BB12]. Energies [BSEH18, ERT14, SDK19]. Energy [CTE05, HP04, MCP+09, SJWG20, ZJ12, DLL+18, HGMRT20, Kan15, KUJH21, LWL+09, NSCL08, SSBD03, YCR+15, YTL18].

Energy-based [ZJ12]. energy-efficient [Kan15]. Energy-minimizing [HP04].

energy-momentum [KUJH21].

Energy-preserving [MCP+09]. engine [DNB+05, FMK+03, NPP+11, PBD+10, PVL+05]. Enhanced [CLJ+20, Hud94, Ols92, DFL+15, KK87, VRA+07, VPB+09a]. enhancement

[BM05, BBB+14, BF12, DER+10, ED04, FAR07, GSC+15, GCB+17, HSL11, JMAK10, KNC+18, LCODL08, LCD06, RSI+08, SGML2, WYW+10, WXY+11]. enhancing [MBPY+18]. Enlighten [WZC+20]. enriching [LSGV18].

Enrichment [KMB+09]. Ensemble [JTCW07]. ensembles [Xia21]. Entropic [SP KS16]. enveloping [WPP07].

Environment

[Ols86, PM18, ARBJ03, LF02, NOP+18, RH02, RZL+10, WPL+21, XMR+11].

environment-independent [NOP+18]. environmentally [CSvRV18].

Environments

[CSS96, YPG01, GLY+03, GB08b, KMYG12, KKB+11, LCL06, LNWB03, MIWB02, NHAH03, SCH+14, SMM14, SSC10, SKS02, SBK11, TGD04, WFH10, WS99, WM03]. envyLight} [Pel10]. Epipolar [ABW+17, GF12]. epsilon [DD02a, ITM+14]. equation

[ABW14, CK11, WZT+08a]. equational [JASR99]. Equations [PM95, AZB09, CI97]. equilibrated [FLGJ19]. Equilibrium

[SPV+16, dGAOD13]. equivalence

[GSC21, LZZ+21, RFWB07, SS10b, SSP08]. Equivalent [FM84, MRA+13]. equivariant [PO18]. erosion [LFJG17]. Erosion

[YSC+16, CGG+17]. Errata

[NMLH14, Spe03]. Error

[AAR05, BAU15, LWS+15, WBF+17a, AW20, BDT99, BHW13, CAO09, HJJ10, PSF09, RJKZ11, SJJ12, SLFW14, TGB13, WBF+17b, YRPF09, ZG02, ZF03].

error-bounded [ZG02]. error-driven [PSF09]. Error-resilient [AAR05].

error-tolerant [SLFW14]. errors

[PMOR10, RP03, Wan14, Xia21]. Escher

[OCNG21]. estimators [BHNM20]. Estimating [Che92, SHM+14, WSM11, ZS00, CDP+14, ILLH08, NSJ14, PMOR10].

estimation [DBJ19, GLD+19, GWp+19, GHV+18, HJJ10, HMP+08, JNSJ11, LHZJ20, MBB+17, NOP+18, WHS97, Xia21, YZ21].

estimator [KDPN21]. estimators

[PCSL+20, SOHK16, ZSGJ21].

ETC2

[Nah20]. Euclidean [ZWL+18]. Eulerian

[CM11, FLLP13, HK10a, KDW+17, LJJ+11, LFZ18, MSQ+18, MMTD07, NO13, SBRBO20, TLK16, WPLS18, WRS+12].

Eulerian-on-Lagrangian

[FLLP13, SBRBO20, WPLS18]. Evaluating

[HRZ+13, ODGK03, RP07, WFP96, CHM+12, CJAMJ05, KP09, KP10, IWC+13, WQF+21].

Evaluation

[LCTS05, LC96, MAF+09, MRC+86, RV89, AFR+07, GRG04, UHT17, WB08]. Event

[AECO15, LHZJ20, SBB+17]. events

[VBK05]. everyday [VAV+07]. Evolution

[BAC+18, MOR+18, LXY+16, MLZ+16].
XZOC12, YLH18. evolving [BHLW12, IYAH17, ISN+20, PV06, PKC+17].

Exact [Kla94, RVF93, BDCDA11, BEB12, FV96, QHY+16, SSK+05b, TTWM14].

Exaggerated [RBD06]. examination [WC21a]. Example [BSPP13, DFM88, DBB+17, FJS+17, FRS+12, JWW+20, JTSB16, LWP10, MTGG11, RYL13, SDKN18, ST16, SZT+08, WYZG09, WHRO10, WXY11, WHHY20, XB17, AVB08, BCK+13, DLL+15, DLKS18, EVC+15, FJL+16, FKST04, GLLD12, GDG+17, GJWJ15, JST+19, JMAK10, KEBK05, LHL10, LYFD12, LBW+14, LFB+13, PCSS06, PALvdP18, RRS13, SSL+14, VSLD13, Wam16, WZT*08b, WPKL17, XUC+14]. Example-Based [ST16, WHHY20, BSPP13, DBB+17, FJS+17, FRS+12, JTSB16, LWP10, MTGG11, SDKN18, SZT+08, WYZG09, WHRO10, WXY11, 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, HMLL14, LVGO21, LBDF13, MG03, RTK+15].

exchange [WHDS04]. exemplar [HCL+18]. exemplar-based [HCL+18].

Exemplars [DBP+15, KFCO+07].

exhaustive [KKN+13]. existing [EKA84]. expanded [JBLL18].

Expanding [LM97].

Expansion [BVF17b, AVF17, DSADF+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, FNVD82, KK+14].

Experiments [GHCC88].

Explicit [RBSM19, WYL+20].

exploded [LACS08].

exploiting [PKH+17a, PKH+17b, YRPF09].

Exploration [AZMW21, OLGM11, BBPP10, BBP21, DFL+15, HFF16, JMI2, LZ04, MGBK05, MVH+17, ROA+13, SXZ+17, SWC+18, UIM12, YYPM11, ZLE14].

explorative [YXFH21].

Exploratory [OLAH14, TGY+09].

Exploring [KSSGS11, KLM+12, PJBW14, BYMW13, GBLM16, HWG14, MG5+21, SSS06, TKK12, YRPF09].

explosions [FOA03, SRF05, YY17].

Exponential [CSAP21, MSW14, BRM+18, SGW06, VJ12].

exponentiation [RWS+06].

Exposing [KOF13, KOF14, OF12].

Exposure [HHX+18, ARNL05, EK+17, KBC+13, MA+09, RAT06, TAH+04].

exposures [BM05].

Expression [SGD21, YWS+11, CHZ14, LBB+17b, SLS+12, TZN+15].

expressions [BB14, BBGO11, Gol85b, LCXS09].

Expressive [CTFP05, CB05, DBB+17, ELFS16, GCR13, KHS03].

Extended [BN90, MRF06, ANZ18, CMSA20, CZN10, KWK09, SDP+18, KBT17].

Extending [HGF14, RT90].

extensible [HFF18].

Extension [DS92, AML18, BB17, HPJ12, LHG+09, PSF09, XLC+16, ZLC+13].

extensions [NM16].

Exterior [SW14, dGMD16].

Exteriors [FW16].

Extracting [BCN08, CZS+13, HZG+12, NGH04, TOS+03].

Extraction [ULP+15, ATC+08, EBCK13, KG04, LLW17, LSA+16, LBK16, RKB04, TZCO09, XYX12, ZTS09].

extraordinary [CADS09].

Extrapolation [LLK+19, Lév03, WLL+14, ZM13].

extrema [SDS09].

extreme [DDS03, ZPBK17].

Extrinsic [CSBC+17a, WBCPS19, CSBC+17b].

Extrusion [HSST10].

extrusions [KW11].

Eye [MLH+09, ALK+17, BBGB16, CTS+20, CLS+17, Dec05, HCV15, JBM+17, JBL18, JLF+09, KPM+17, LSL+18, LL13, MGK17, SHL+17, SRL+15, TDM+14, WSXC16].

eye-box [JBL18].

Eye-catching [MLH+09].

Eyecatch [YNP12].
Eyeglasses [HWBR14, MLR+14].
Eyeglasses-free [HWBR14]. eyelids [BBK+15, WXLY17]. EyeOpener [SSSH17].
Eyes [LBB02, NN04, SSSH17, BBN+14]. eyeSelfie [SRL+15]. EZ [SLWF14].
EZ-sketching [SLWF14].

Fab [SSM15]. Fabric [GHCG17, FBGZ18, KWN+17, ZFS+19, ZJMB11, ZJMB12].
Fabricable [CML+17, LFZ18].

fabricatable [LOM11]. Fabricated [IWHH20]. Fabricating [BBJP12, DWP+10, LGX+13, PRJ+13, SDN18, WPMR09, CLM+13, HBLM11, WW13].

Fabrication [SMB+19, TISM16, BBO+10, CZX+16, CLMK17, CLF+18, EBGB14, HZH+16, JMB+20, JW1+21, KCD+16, LDPT13, LSD+16, LMAH+18, LZZ+21, MZL+17, Mt18, NAI+18, PZM+15, PTC+15, POT17, PLKD18, PWLS13, RMD12, SSL+14, SSM15, SDW+16, VWRK13, XKC18, ZBT17, ZGH+16].

Fabrics [KZZ+15, MGZJ20]. Fabulously [Bae18]. facade [BSW13, FMLW14, WYD+14, XFT+08].
facades [CMZP14, MZWV07, SHFH11, ZXJ+13, GGP+20]. Face [AJRS20, BKD+08, EST+20, GZC+16, LCXS09, NBLC20, VBPP05, BLDA11, BK5+12, CCW18, CLL+21, DSJ+11, FFBB21, GVWT13, GFT+11, HGY17, IKKP17, KS21, LSSS18, PHS+18, SSR20, TD11, WBGB16, WSS18, YWS+11, YNS19]. face-rig [KSS21]. Faces [Li18, BLS+21, BKD+08, KHS03, WMP+06, ZAJ+15, ZSCS04]. Faceshop [PHS+18].

FaceVR [TZZ+18]. Facial [BBB+14, FJA+14, LTO+15, MJC+08, TZS+18, BZL+17, BB+10a, BHB+11, BBN+12, BB14, BBA+07, BPW13, BHP510, CTFP05, CWLZ13, CHZ14, CBZB15, CWW+16, CAD+21, FJS+17, GS+18, GHP+08, GMP+06, GRG04, GRB+18, HCTW11, JSB+10, KAL+17, LCXS09, LCOZ10, LWP10, LYYB13, LBB+17b, LKZ+20, LXC+15, MHP+19, MPK09, OLSL16, PTMD07, SSK+11, SWTC14, SNF05, TZN+15, WVB+12, WSS+19, WBLP11, WYXJ21, XCLT14, YSN+18, ZGBB19].

Factor [BSN16, HA18, LRFH13, YBY+13].

Factored [MYRD14, SMRP07, HCM15, KYS+15, LRR04, LCDF10, PFBM+06].

Factoring [WWOH08]. factorization [HPK+17, LHHR16, LK02, LSCO03, NSF12].
factorizations [HA18]. factors [HLSO12].

Fair [NGH04]. fairing [CPS13]. Fairy [OKH+16]. Falling [HYL12]. families [C197, W114].

Family [PP93, LLLL21, LKBK+14, NVCM05]. Far [GM05, YJR17].

fashion [Bae18]. Fast [Ada21, AFH20, AYL+12, AFO05, APH+14, BOD10, BDS+18, BDT+08, CMM11, CMMK15, CLSA20, CPWA10, CL09, DE05, DDP99, DDO2b, GDAB+17a, GDAB+17b, HW16, HK18b, JBK+12, KEP05, KWN+17, KPK11b, KVD20, LCD+19, LCD+20a, LFH15, LBOK13, LYT+14, M192, MSM+17, N002, NSCL08, NKG06, ODJ04, QHY+16, QJ12, RWW90, SNB07, SMC21, SS10a, SLJT08, SGG+06, STZ14, SSK+05b, TTWM14, VKJ+17, WPC+14, W16, W21, W06, WT08, WWYW21, YMRD15, YCR+15, ZWY12, AGL09, BB07, BML+14, DLL+18, DFM13, DH06, GS04, LS08, LWO19, LWW+09, M198, OK10, PFHA10, PKHH15, PMA+14, R07, SLMB05, SYBF06, STP12, TTT+17, ZB14, ZZZX21, ZW21, TMY+11]. Faster [MPB17a, WV92, LALK11, MPB17b].


feathers [CGS02, WG09]. Feature [CMS95, FYK+10, KIM+19, L06, LHJ+14, LYP+14, MPK05, NLM012, W04, XCOJ+09, ZWS02, ZMT05, ZVC+20, dLMM10, C2K+20, CT17, HGO+12, JJJ+21, JDD03, LFB+13, P208, PNA+21, TFBW+10, XLY09]. Feature-adaptive
Feature-Aligned [ZVC+20, MPKZ10, XCOJ+09].
Field-based [Lee05, ZWGS02, ZMT05, dLMH10].
feature-conforming [HGCO+12].
feature-line [PNA+21].
Feature-preserving [FKY+10, JDD03].
Features [HWWZ+14, PGP+19, FCOS05, GC006, IMF+21, RSH+05a, WYL+14, WT08, WTGT10].
Feedback [DKNY08, BP12, DK99, YL10].
Femto [VWJ+13].
Femto-photography [VWJ+13].
Femtosecond [OKH+16].
Femtoseconds [OKH+16].
FiberMesh [NISA07].
Fibers [KMI+17, PRM14, MJC+03].
Fibonacci [KISS15].
Fidelity [FLB16, CBZB15, HCTW11, ODGK03, OSL16, RFWB07, SWTc14, WSS18, XCLT14, YSN+18].
fiducial [YMJ+21].
Field [CPMS14, DPW15, HGCO+12, HWWZ+20, LR15, LTDD16, MHU19, MLS+18, PPA91, Pag98, RS14b, STJ+17, SHD+14, VMCS15, ACBCO17, BHR13, BGL20, CZ17, CRG+20, CBCG02, CNX+08, COSL98, CNR08, CZN10, FBC18, FRS08, GJTP17, HWR14, HTW11, HWBR14, HCW15, JTPSH15, JBM+17, JHF+15, JMY+07, KWR16, KHKR11, LHHK10, LWH+11, LL13, LES09, LJM+16, LAC+11, LALD12, LSR18, LHG+09, LNA+06, LLX+12, LK20, LLW+08, LXW+11, MWGZ09, MLR+14, MRK+13, MDC+21, MWBR13, MPH+19, MSOC+19, MPZ21, OHR14, OEE+18, PZ07, PRK+17, RSI4a, RVLL08, RVAL09, RSL16, SHL+17, SSY+04, SDP+18, SSD+09a, SHK+17, TAV+10, TPP+11, TLHD03, WGG+18, WZK+17, WZS+18, WLM+15, WLHR11, WLHR12, NYX+16, YJR17, YAV+20, YZX+04, ZWGS02, ZMT06, ZBW+20, vFTS06].
Field-aligned [CPMS14, STJ+17, JTPSH15, MPZ14].
Field-guided [HGCO+12, CZ17, GJTP17].
Field-of-view [MDC+21].
Fields [AOCCBC15, BS19, BSB16, BSEH18, CO19, CV20, IBB15, MHU19, OKH+16, PBS20, PLPZ12, SVB17a, YSHWSH16, ZVC+20, BSB17, BR21, CBCG02, DVPSh15, EHDR11, FBSD07, FBLS07, GRT13, GCH+19, HHH+09, JMB+14, KKH+11, KZP+13, KCP01, LRR08, LWI+11, LWB+10, LZX+18, MPDW03, MHP+19, NSB13, PPTSH14, PEVBC21, SVB17b, SV19, TTT+17, VRA+07, WWT+06, XZY+17, ZMSS18, ZHL+05, BMSR20].
Figure [GM84, AHM+15].
Figures [AFP+95, ZB94, HPC21, WYF+10].
Filament [SMB+19, WP10, FZZ+20].
Filament-based [WP10].
filigrees [CZX+16].
fil [ZCLJ20].
Filling [Dun83, LMR83, Shn92, TOH08, XLLW20].
films [HKK+20, ISN+20, WDK+21].
filtered [BCN08].
Filtering [LD11, NMLH14, YMRD15, AGDL09, BZCC10, CLKL14, DSASF+13, D020b, EHDR11, EDR11, GGN18, GO12, HSRG07, KBS15, MS13, MWR12, MWRD13, MYRD14, Nai98, NMLH11, NM16, RKKZ12, SD12, WEI06].
Filters [APH+14, Ada21, BJ10a, KS10, LLMZ16, PHK11].
final [GD04, REG+09].
Find [CGM91, Day90, SC20].
Finding [SGS08, VPR19, CZM+10, TSG+14, ZCJ13].
Fine [HSG13, KvKSHC15, SDW+16, WZF+18, WYXJ21].
Fine-grained [HSG13, KvKSHC15, WZF+18].
finger [GBW05, JHS12].
Fingertips [VC+15].
finished [MWAM05].
Finite [BC14, SDF+19, BWHT07, CLSM15, GWAB19, ISF07, KTY09, KBT17, LdPS84, LLK+20].
Finite-Element [SDF+19, LdPS84].
Fire [HBP+21, CJ11, HG09, NFJ02].
First [ASN+20, KCS14, SC18a, RMB07].
foreground [RKB04], foremost [STZ+16], forests [LJS+15]. Form [TSG+14, BBG12, FXB16, GSV+17, HR05, KH06, KG08, MKZ+21, Nas87, UPSW16, WP09a]. Form-finding [TSG+14]. Formal [DFM88]. formation [DFW20, DKNY08]. Formed [JTNW20, UKSI14]. Forms [Sci93, KPWP17, SSM15, WC21b]. Formula [LSSW19, HR97]. formulas [LKF12]. Formulation [KM97, HGMRT20, KTY09, MRA+13, MGJ19, PICT15, SXH+21]. formulations [LDS02]. Four [CCW93, ZCW+17]. Four-view [ZCW+17]. Fourier [AMZ99, Les20, Mal93, Ng05, SHD+09a, SK13, WPC09a, SKM10, SPGI13, TISM16]. four-view [ZCW+17]. Four-view [CCW93]. Free [CCW93]. Fractional [GCH+19, OKRC10]. fracture [BDW13, CYFW14, HW15, HW16, MCK13, OBI02, WFL+19, ZJ10, ZBG15b]. fractured [HFG+06]. fragmenting [PKA+05]. Fragment [DCOY03, FBH+10]. Fragment-based [DCOY03]. Fragments [LHI7a, BTFN+08, LH17b, MP07, TFWB+10]. Frame [CK20, FF88, GBFP11, HZ82, JFH+15, PBS20, PPTSH14, WES88, CDP+14, HB89, HTB11, HZH+16, HPK+17, JKT+15, LCRLO7, RSL16, SFG+13, TDMS16, WSH11, WYW+13, WGDE+19]. Frame-based [GBFP11]. Frame-to-frame [HZ2]. FrameFab [HZH16]. Frames [LLK+19, ZVC+20, BBH+11, CC19, WJZL08, YGM97]. Framework [GRS93, HHX+18, KK91, LR15, MUH19, SGD21, AZB09, BGKS17, BT19, BAGL19, BB07, BLDA11, BZCC10, BRM+18, BK04, DFL+15, GM05, GWAB19, GKS02, GMG+20, HJJ10, HST+14, HK10a, HMG03, HSK12, HMC11, HNN+02, JAM+10, JdJM14, JMM+14, JAG18, JSP17, KKN+14, KS89, Le07, MMG06, MBF02, MSG+21, NIR+21, PTS015, RH04, RLR+21, SY21, WWB+14, WSP18, YCL+17, YKC+16]. Frankencamera [AJD+10]. FrankenGAN [KGS+18]. Free [CTMS03, HWZ+14, KG08, MKZ+21, NGL10, AZB09, BBG12, CMMK15, CCS+15, CS89, DWW+18, FLS+21, FFB+09, FL16, FKN17, GCD+20, GKK+21, GS1+17, GKT13, GH18, HR05, HPP+18, HWBR14, KH06, LFS+20, LCOLTE07, LC19, MMT18, Nas87, SLL19, SOA11, SS15, SKM10, SPGI13, TBV12, UKSI14, UPSW16, Wan18a, WG09, XRLF15, YCR+15, ZLY+21, ZYQ+14]. Free-flight [UKSI14]. Free-form [NGL10]. Free-form [KG08, MKZ+21, BBG12, GSV+17, HR05, KH06, Nas87, UPSW16]. Free-form [UKSI14]. Free-viewpoint [CTMS03, CCS+15, GCD+20, HPP+18, ZLY+21]. Freeform [DGH16, FSH11a, JRPW20, PSB+08, BK04, EKS+10, EC96, JMB07, JMM14, JMM15, GCD18, HWZ17]. Freeform-domain [FN20, BD08]. Fresco [BTFN+08, TFWB+10]. Friction [BH89]. Frequency [BBS14a, ETH+09, EHDR11, FN20, HSRG07, RH02, AWL13, ADN+08, BDT+08, CT+14, DHS+05, LHG+09, NKG06, NH03, NRH04, OHX+14, SKS02, SXZ+20, ST06, WTL05, WTL06b, WRG+09, XCM+14]. Frequency-domain [FN20, BD08]. Frictional [BTFN+08, TFWB+10]. Frequency [MHNT15, BDCDA11, BFA02, CFW13, DBBB11, LCBD+18, MTB+13]. Frictional [LFP21, Dav20, DJBD13, GHZ+20, GKH+18, JGT17, KEP05, KSJP08, LDN+18, LJBB12, RLR+21]. Friendly
Fundamentals [SHW19, DJ17, DJ18].

Fully-Eulerian [HK10a].

Function
[GRS+17a, XWC+16, ATW15, GXZ+13, GRS+17b, HvKW+16, JP03, LD05, Rus19].

Functional
[CSBC+17a, CSBC+17b, CO19, DGHM93, DWS+20, HWG14, OBSC+12, ACBC017, C97, FSL+15, FD17, PYB+16, RPWO18].

Functionality [LKWS16, ZAC+17, HZvK+15, HYZ+18, LMS13].

Functionality-aware [ZAC+17].

functioned [HK1S7].

Functions [GVNB18, NID20, SWWW15, BX03, CTW+04, CBW+18, CJAMJ05, DLC+15, FLSG14, GJWW14, HHA+10, KBD07, MSS+12, MIB15, NHI04, PSF09, RWG+13, TZL+02, TS06, VRM+18, YYW12b, ZMI11, ZDI+15].

Fundamental [SHW19, DJ17, DJ18a].

Fundamentals [GS04].

Fused [SMB+19].

Fusing
[OKH+17, BML+14].

Fusion
[FG11, DMB+14, KKW21, LK20, LOW18, MSOC+19, DKD+16, WPL+21].

Future
[EST+20, CTH+14].

Fuzzy
[Ree83, KT03, KLM+12].

Gabor [GLLD12, LLDD09, LD11].

GADGET [FH04b].

gait [WP09a].

Galerkin [EB14, SSW+13].

galleries [XZCOC12].

gallery [WPL+21].

games
[KGBS11, SHK+14, WAH+10].

Gamut
[SCB88].

gamuts [MGS+21].

GAN
[LLHF21, XFCT18].

GANs
[GSZ+18, KGZ+18].

Gap
[YW13, DHL14, HYG+13].

gaps [ABO16].

Garment
[CZL+15a, RKS+14, YPA+18, BSK+16, BPS+08, SBBC12, SMD+15, UKIG11, WCPM18, WSH19].

garments
[BGK+13, KWL+21, LSGV18, LHZ+21].

gas
[AH+08].

gases [FOK05].

gated [PVG19].

gathering
[QSH+15, REG+09, SZLG10].

gauge
[YZX+21].

Gauss
[FTP16, LSSW19].

Gaussian
[AGDL09, BJ10a, GCH+19, IAF09, KWN+17, LKR+15, PBW19, ZFWW18].

Gaussian-product
[PBW19].

Gaussians
[XSD+13].

Gaze

JSSH15, KAW20, KBP+12, TZS+18, ATM+17, BMSG09, KKW20, MSTM+17, PSK+16, PRMG16, WSXC16, WKHA18].

Gaze-Aware
[TZS+18].

Gaze-Contingent
[KAW20, ATM+17, KKW20, MSTM+17].

Gaze-Driven
[JSSH15].

gaze-tracked
[PSK+16].

GazeStereo
[KDM+16].

gems
[GS04].

gemstones
[GS04].

genBRDF
[BLPW14].

General

FH93, GUPZ20, KK91, Lev84, LXW+11, MGS+21, AW11, GS85, GMG+20, MMT18, NH08, PBD+10, STXJ15, TLK09, WSP18, ZHW12, ZZCJ13].

General-Purpose
[Lev84].

Generalization
[Bli82, GNHM15, LD89].

Generalized
[BHW16, BK85, BH87, CBvdP10, Lew87, Pet89, Sai89, SPGT18, SM06, ZYH+15, AM99, CDP+14, GTJS17, JKS13, TK14, TKY+17].

Generalizing
[IAF09, RTK+15, WP114].

generate
[JBX+20].

Generated

AZMW21, BS89, RBSM19, MSK10, OHR14, TL04, WQF+21, YGM97, ZAJ+15].

Generating
[BYMW13, GAL+09, HA92, RH16, WLO+14, ZSSJL20, KSH+16, LDS+11, MPK09, PGML+19, NCVMO05].

Generation
[PC82, VW94, VLA15, VW92, YIC+14, Zyd88, AF02, BDK+16, CLE+21, CSHD03, DK09, DH06, FH04b, GTJP17,
GGG+13, GLY+03, GASP08, JBP06, JJJ+21, JFH+15, KAB+10, LHM09, LdPS84, LPRM02, LACS08, LKZ+20, LLHF21, LKvK+14, MCC09, RSL16, RCOL09, SP16, TP5SH13, TS08, TWADO9, WMC11, YMJ+21, YCL+20, Zhu18b, Wv95].

**Generative** [LPX+19, ZYM+20, BSP+19, BHMK+18, GHBCO21, GDG+17, GSH+20, HYZ+18, LXC+17, MC12, TTR+17, WSH+18, WWL+19, ZQCL19]. **generator** [PGML+19]. **Generators** [PV06]. **Generic** [GGT17, SY21, LSK+06]. **Genetic** [Sah18, SAMW11, BLPW14]. **gentle** [BP08]. **Genus** [CSZZ20].

**Geodesics** [CWW13b, SSK+05b, YXH14].

**Geometric** [ACR+01, BG89b, Boi84, BR94, BBGO11, CCK92, DB88, EM90, FH97, Gol84, Gol85a, KCZ008, KMP07, LPW+06, Mi87, NN90, PPV95, SPSh+17, TFW003, TR98, TQ94, BLTD16, CPSS10, DLX+21, GCO06, GP08, Gol02, GJWWW14, IHSZ11, HB89, HzvK+15, HFG+06, IYAH17, JASR99, KOY+11, KGL16, LdPS84, LKG+03a, LZ14, LJG1H11, LJO19, MJBF02, PCK+08, PKZ04, PM05, SAZK06, SDGP+15, SD9, THW+14, WFL+15, WS21, YNS19, ZHW+06].

**geometrical** [VABW09]. **Geometrically** [Sei93, BEB12, JBP06, RvBB+03].

**geometries** [WDW+15]. **Geometry** [BBR+21, CCK92, CSBC+17a, FGN84, GGH02, GXY+17a, LMS13, LH04, OHHD18, PK05, PLW+07, RVAL09, SRH+15, SWJ18, SRB+19, TGL17a, WBCPS19, WC90, ZSSJL20, Zhu18b, dGMDM14, AMD02, AAM03, ABO16, BBB+10a, BW13, BBA+07, Bou18, BBS10b, CLSM15, CCL+21, CK01, CSBC+17b, DLSCS08, DHO005, FKY+10, FY96, FMR20, GVWT13, GF12, GMP+06, GXY+17b, HDA17, HLZ10, KV05, KAL18, KS04a, LAGP09, LCOLTE07, MGP10, MGP06, Mit18, MMTD07, NRDR05, PBS04, PFKG03, PMW+08, PDZ+18, PGZ+19, RMBB+13, SR00, SSR15, SS21, SNW21, TLG17b, TEG18, WYZG09, WGP+10, YSN+18, YHZ+14, ZGZJ16, dGDMD16, WC91]. **Geometry-aware** [OHHD18, RVAL09, SRB+19, DLSCS08, PGZ+19]. **geometry-based** [AAM03].

**Geometry-guided** [PK05].

**geometry/impostor** [DHO005].

**Geopostors** [DHO005].

**Geostatistical** [MK05].

**Gestalt** [MK05].

**gestalt** [GW05].

**Gesture** [LRTK10, NKA08, BS16, LGK+16, SN17, TFK+03, YCL+20, BVS16].

**gestures** [RTK+15].

**gesturing** [JHS12].

**Get** [Xu18].

**Getting** [McI92].

**Ghost** [SB12, FKNT17, GKT13].

**ghost-free** [FKNT17, GKT13].

**ghosting** [SLV+13].

**gigantic** [CGG+04, IG03].

**Gigapixel** [HLK18, KUDC07].

**Girth** [RVAL09, SRB].

**Glare** [RAWV08, TAHL07].

**glass** [GGP+20, WGL+18].

**glasses** [FKNT17, SLV+13].

**Glift** [LSK+06].

**glints** [YHJ+14].

**Global** [BYRN17a, BR07, CZ11, CSS96, CLSS97, MZ12, PTSZ11, RWG+13, VMK90, WHSC97, WSH+18, AFO05, BYRN17b, BAERD08, BLD11, BM+09, BCS17, CBK15, CNR08, DSSD07, DKH+10, DDP99, FLB16, GD04, ISS16, JSK12, KD109, KFB10, LALD12, LWC+11, LXY+16, MA06, MZ13, MPZ14, NKGR06, OHX+14, RLL+06, RLP+20, SL17, SFWG04, SKC+14, TL04, TMRL14, TPWG02, VZAH+09, WWZ+09, WS99, YNW16, YSJR17, ZCLJ20].

**Global-to-local** [WSH+18].

**Globally** [DNZ+17b, ISS17, KLRS3, KCS13, ZLWH16, DNZ+17a, FLJK21, HPC21].

**GlobFit** [LWC+11].

**Gloss** [BOD+13, PFB+20, TDR+12, WAKB09].

**Glossy** [CSS96, CLSS97, RLP+20, DKH+10].
HKWB09, IDN12, LKYU12, SM06, WTL06b, WSM11. glove [GWP+19, WP09b]. Glyph [XZZ18]. Goal [YIC+14]. Goal-Based [YIC+14]. GoLD [BGB+05]. good [BYMW13, LS07, PL14, YLJ18]. google [BBGO11].

GPU [ASA+09, BFGS03, BFK+16, CKIW15, CW17, DKS14, GWW+18, GBK05, HR05, HG09, HZG08, HZG09, JRS121, JMW9a, KKS18, KB12, KPM16, KW03, LSK+06, LH16, LTT+20, LB06, MPO12, NMLH11, NMLH14, NLMD12, RSL18, SF09, SJP05, SKB+14, TWL+18, WWZ+09, WHY+13, WY16, Wan21, WWY21]. GPU-accelerated [CW17, KB12]. GPU-based [CKIW15, GBK05, HR05, TWL+18, WWZ+09, WHY+13, Wan21, WWY21].

GPU-decodable [KPM16]. GPU-efficient [NMLH11, NMLH14]. GPU+ [BSL+16, BFH+04, CM14, FHH+10, KGB+09, SS10a, SKK+12, ZHX+07, ZHR+09]. GrabCut [KKB04]. Gradient [BPE17, CM21, FLW02, GH+18, KMA+15, LKL+13, PKCH18, XZY+07, Aga07, ARN15, BZCC10, GFT+11, GBC+13, HSL+06, KH08, KSH10, KKL19, KLS+13, LML09, MRK+14, MK+16, MP08, MPH+19, NIR+21, SLWS07, XLJ11, YXZ+04].

gradient-based [GBC+13, NIR+21]. Gradient-domain [BPE17, GH+18, KMA+15, LKL+13, PKCH18, Aga07, BZCC10, KH08, KSH10, KKL19, MRK+14, MK+16, MP08]. gradients [BFGS03, BBG12, CVMR+21, FLB17, MHM+09]. GradientShop [BZCC10]. grading [BSPP13]. grained [HSG13, KsKSHC05, WZF+18]. grains [YSC+18, LPX+19],
granular [BKG16, MPH+15, MPG+16, NGL10, YSC+18].

Graph [FH97, KL17a, WSL+19, ACXG09, FSH11b, GSRN21, KL17b, KSE+03, LHZT+19, LVS+13, PRAV09, RKB04, WLL+14, WLW+19, YWH13, ZXKL+20, ZHS+05].

Graph-contractive [FH97]. graph-cuts [LVS+13]. Graphcut [KSE+03]. Graphic [Cas91, ZBL+21, ZCL18, ZQCL19].

Graphical [Bar86, HC86, Mac86, OHB02, PK83, Res87, SG91, UTB+19, FNvD82, LHZ+17].

Graphics [AMS03, CM83, CT82, Cou86, DMZ+17, GF82, GS04, LMR83, LN84, Lev84, MRC+86, OKH+16, Pik83, Wes88, WW82, AMN03, Aham15, AAM03, ACMS10, BKKL15, BDM09, BFH+04, CHM+12, CTH+14, DRvdP14, DRvdP15, DNO2, DNB+05, EPD09, FSH11a, FH11, GLdFN14, GM05, Gd02, Gue07, GFD+12, HGF14, HMG03, HWW15, JPO2, KKS18, KTL+04, KKW21, KFS13, LWA+12, LLGRK20, LHLK10, LB05, MGA03, MCHAM06, NH08, OHR14, PTO15, PBH02, RKL+11, RLR+21, SFLM04, SBL+17, SFB+09, WP06, ZHWG08, Pav90, WP90, Be98].

Graphs [AFH20, HTHC15, LVY16, BDK+16, DH96, FCW+17, KGP02, LRFH13, LCK+14, MC12, PSB07, PKC+16, RPO7, RCLM19, SH07, SPGT18, She13, SLH+20, YBY+13, JTCW07].

grasping [Liu09, ZZMC13]. GRASS [LX+17]. Gray [DSZ17, KJDL09].
grayscale [XWF+18]. greedy [RKKZ11].

Green [AAPS16, LLCO08, AAPS17, JP03].

Green-Screen [AAPS16, AAPS17].

Gregory [LSNC09]. greyscale [WAM02].

Grid [And82, BCE+13, CPD07, CMS20, CM11, CMMK15, JLS+03, LZF10, LHZ+18, SAB+14, SD02, WIK+06, XCW+20, YY17, ZLC+13]. grid-based [JLS+03], grid-free [CMMK15].

GRIDiron [MCS15]. Grids [McI83, AGL+17, EBF14, LH04, NG18, ZG02].

grooves [KH18]. Group [KLLT08, BT19, CGM11, KCD09, LHZ+17, WZF+18].
Grouping [Gos00]. Growing [SB95, Che13]. Growth [DFW20]. GST [KPM16]. gTangle [SP16]. Guaranteed [FLJK21, MC21, MGT +03, VSK +17]. Guaranteed-quality [MC21]. guarantees [GMP09]. Guest [Tan83, BG89b, BG89a, BG90, Fol86a, Fol86b, Fol86c, FGN84, FR87, Fuc82, Pha18].


Guided [CZL +14, ILY16, UIM12, ULP +15, WWZ +06, BLR +11, BBPD12, CZ17, CAWH16, FJL +16, GJTP17, GSZ +18, HGCO +12, KGS +18, KLF12, LPL +18, LLHF21, MTA +20, MTM16, MGC +19, PCS806, PK05, PALvdP18, RHJD18, RYL13, SGM12, SDK21, SHK +17, VBBF16, WLZ +09, WPKL17, WSL +14, XK07, XZY +17, YSW +20, YXFH21, YCZ11, ZZZ +17, ZXS +12]. guidelines [MSL +11, MSOC +19]. Guiding [HZE +19, FN20, SY05, ZXS +21].

Haar [LF08]. Hair [KM17, PCK +08, YSK09, BBN +12, BAC +06, CWW +12, CWW +13a, CLS +15, CSW +16, DDBB11, DJBBDD13, EBGB14, FMB +17, HZW12, HMLL14, HMLL15, JMM09, JGT17, KN02, LHM +18, LLR13, MJC +03, MSW +09, MM06, MW08, PBS04, RZL +10, SPJT10, SHM +18, SLF08, WYZG09, WQOS05, XMR +11, XWW +14, ZCW +17, ZWW +18, ZYW08, ZRL +09].

hairstyles [HML +14, PCK +08]. halfspaces [DZCJ21]. Halftone [CCLM13, KP18, PH15a]. halftoned [KL12]. Halftones [Kmm87]. Halftoning [GRS93, PQW +08]. Halfway [LLN +14, EBJ +06]. halide [AMA +19, LGA +18, MAS +16].

Hallucination [KAEE20, GWM +08, SPDF13].

Hamiltonian [LLR +15]. Han [YXH14, XW09]. Hand [WMB19, ZZT +21, CWL12, DLKS18, GWP +19, HLW +18, IBP15, JSMH12, SWW +20, SKP08, SKC +14, TBC +16, TPT +16, TTR +17, WP09b, WMZ +13, WMB +20, WXSY15, YL12, ZBYX19, ZYSK21, ZYQ +14].

hand-colored [DLKS18]. hand-drawn [JSMH12, SKC +14, WXSY15]. hand-held [CWL12, IBP15, ZYQ +14]. Hand-Object [ZZT +21, ZBYX19, ZYSK21].

hand-tracking [WP09b]. handed [LKG +03b]. Handheld [WGDE +19, HWV +18]. Handle [AFTCO07, DLSCS08, RCP021, She13]. Handle-aware [AFTCO07]. handle-based [RCP021]. handles [YK14, YCHK15].

Handling [FG90, MCKM15, TWL +18, WAK20].

Hands [TSLP14, DYY16, MDB +19, RTB17, SSB +15, SDO +04, TTT +17]. hands-on [DYY16].

Handwriting [HAB16, LZCX19, Zit13]. haptic [LSCS14, OL03].

Hardware [NKK +14, VKJ +17, AMN03, AMS03, AHAM15, AAM03, BKKL15, BFH +04, CTS +20, CBCG02, DFM13, FH11, HBD +14, HDD +16, HMG03, JP02, LB05, LSN09, MGAK03, MCHAM06, NPP +11, NL13, PVL +05, PBMH02, WFH +07, ZHWG08, JBMO5]. hardware-accelerated [PVL +05]. hardware-in-the-loop [CTS +20]. harmful [SLS +16]. Harmonic [Ale19, BCW17, CAIN09, ESBK19, JMD +07, WSSK13, ZJ09, BCWG09, CW15, CCW16, LW16, NSF12, RWS +06, TZCT20, TFG +13, WR18, WS21].

Harmonics [BXH +18, MWM08]. harmonization [COSG +06, SJMP10]. hashing [ASA +09, GLHL11, LH06b, NZIS13].

RTD+21, SED16, ZHS+20. head-mounted [FRS19, KBBD17, LTO+15]. Headon [TZT+18]. Heads [LT06, YFFA21].

headshot [SPB+14]. Heat [SSC19h, CWS13b, VBCG10]. Height [MLS+18, PP04, Pag98, NSB13, YAV+20].

Height-Field [MLS+18, YAV+20]. held [CWL12, IBP15, ZYQ+14]. helices [BAC+06]. Helmholtz [YCR+15]. helper [MK16]. HelpingHand [LYFD12].

hemoglobin [TOS+03]. here [CLC14]. Hermite [AA09, BI92, JLSW02, Pet89]. Hessian [BLdG+16, LLR+15, SJJ12].

Hessian-based [BlDG+16, SJJ12]. heterodyned [VRA+07]. heterogeneous [BBO+09, DWD+08, HLW+19, KHLN17, LMAS16, MPG+16, PβB+06, STPP09, WZT+08a, XWCH15, XMZ+14]. heuristic [XGC07]. heuristic-based [XGC07]. hex [FXBH16, GJTP17, GPW+17, LLX+12, LSVT15]. hex-dominant [GJTP17].

hex-mesh [LSVT15]. hexagonal [PEVBC21]. Hexahedral [GDC15, SRUL16, SRUL17, LZC+18, LBK16].

Hexahedral-Dominant [SRUL16, SRUL17]. hexahedrizations [VPR19]. hexahedron [PVR18]. HexEx [LBK16]. Hidden [And82, SO92, HZ82, KK87, McK87]. hidden-surface [McK87]. Hiding [FKN17, PH15b]. Hierarchical [FB95, HNB+06, KT03, SCA02, TH19, WLF+20, XSTN14, YHB05, ZXS+21, dFP95, AW20, BCRK+10, DFP88, DPP09, JB02, LZT+08, ODJ04, PBYV17, SPO10, Sze06, VdFG09, YWWV13, YGH+17, vKXX+13]. hierarchies [BSW02, WBS07]. hierarchy [YV17]. High [AAPS16, BGAM12, BBBBB+10, BHB+11, BBN+14, BHP50, CCK18, CLS+15, CJN+17, CCS+15, DGH16, FJA+14, GHCC88, GBAM11, HW15, HRH+13, KSA13, KUWS03, MEA+18, MCHAM06, Mus13, OLSL16, RAIII6, SMM14, STTP14, SHS+04, SJA08, SYS+21, TREO16, TSA15, Van82, WHB+12, WJV+05, YSN+18, ZRB14, ZKU+04, AGL+17, AGDL09, AAPN17, AYL+12, BWG03, BTNN+08, CS00, CBZB15, CADN10, CCOST05, CTOE9, DD02b, ESCK16, FLW02, GLD+19, GO12, GT96, HSG+16, HFB+17, HBD+14, HG09, HSHF10, HCTW11, JZH+21, KSB+13, KR17, KKSS+18, KZP+13, KLF+19, LRT+14, LH+20, LGX+13, LSA05, MRK+13, MKMS04, MESS06, MP+19, NKGRO6, NBI11, SWTC14, SFWG04, SXZ+20, TAOH+07, TAO+04, THG99, Van06, VLD+13, WAC07, WLRH11, WSS18, XCLT14, YHH+14, ZSCS04, ZHRB13, JZ11, ZW+18, ZSTB10, LCTS05].

High-accuracy [CKH18]. High-contrast [STT14]. high-degree [CDS09].

High-Dimensional [MEA+18, AGDL09, GO12, ZW+18]. high-dynamic-range [DD02b]. High-fidelity [OLSL16, YSN+18, CBZB15, HCTW11, SWTC14, WSS18, XCLT14].

high-frequency [SXZ+20]. High-Level [Van82, HBD+14, LRT+14]. High-order [SMM14, SYS+21, ZRB14, JZH+21].

high-pass [CCOST05]. High-Performance [Tsa15, KKSS18, LH+20]. High-Quality [AAPS16, BGAM12, BBBBB+10, BHB+11, BBN+14, CLS+15, CJN+17, CC+15, GBAM11, HRH+13, SIA08, WHB+12, ZKU+04, AAPS17, BWG03, CS00, MHP+19, ZJ11]. High-Resolution [FJA+14, HW15, Mus13, TREO16, AYL+12, GLD+19, HG09, YHH+14, ZHRB13, ZSTB10]. high-speed [TAA+04]. high-volume [BTNF+08].

Higher [BIW93, BSEX18, LKL+20, BJ17, CSE19, MC21]. higher-dimensional [BJ17].

histogram [BPC16, DMB+14, KS10].
histories [SSTP15, history [HXM+13].
HLBVH [VKJ+17].
HMDs [OLS+16].
Hodge [MMdGD11].
Hodge-optimized [MMdGD11].
HodgeNet [SS21].
holes [BW13].
holodeck [WS99].
Holographic
[JBLL18, MK17, OKH+16, CTS+20, JMB+20, LJM+16, SHL+17, TDG18].
holography [PDS+17, PCPW20, RRMG10].
holonomy [BCW17].
home [KDW+17, KB+12, YY+11].
Homogeneous [Kan15, FAW19, HJ11b, KSSC08, TWL+05].
Homogenized [SNW20].
Homomorphic [LK02].
Hookean [SDK18].
HSV [SCB87].
Hull [Day90].
hulls [MPN+02].
Human [DKD+17a, GRG04, HL14, HXZ+19, Hi+86, KH17a, LXZ+9, SAA+21, SLST14],
TSLP14, WLZ+21, XCZ+18, AHM+15, ACP03, ACOY10, CTMS03, CPMK21,
CTTL15, CYT+18, Dee05, DWd+08, DK99, DKD+17b, FKI+14, FP03, GSCO12,
HRZ+13, HPP05, HKA+18, JWDL19, KE18, KWK09, KCGF14, KPM+17, KLF+19,
KH17b, LCR+02, LPL19, LCX16, MJ+03, MSS+17, MCC09, MWTK13, NOP+18,
NZC+18, PRW+18, PH06, PMRMB5, RPE+05, RSH+05a, SHP04, SZK15,
SGX+21, SKL07, SGd+10, SDO+04, TTZ+18, TMB14, Van06, VF+18, WC10,
WMC11, WMP+06, WPL+21, WLI6, XWCH15, XLS+11, YKH04, YXZ21,
YIO+15, YM16, ZZMC13, ZFL+10, dSA08].
human-assisted [YIO+15].
human-centric [KCGF14].
Human-Computer [Hi+86].
humanoid [NRH17].
humanoids [HL15, LPKL14].
humans
[EHA12, JST+10, KE18, MBB12].
Hybrid
[CSAP21, EC93, HTCH15, Kla94, MSQ+18, NN95, OTS06, Rap91, VR94, YSC+18,
ZYM+20, DBDB11, FOK05, PVL+05, PPW18, SWL11, WZK+17, XDF+19,
ZXS+21].
hybridization [FBT+18].
hybrids [RHDG10].
hydraulics [WDK+21, WAK20].
hydrographic [ZYZZ15].
hydrology [GGG+13].
Hyper [HEH18, KCS14].
hyper-lapse [KCS14].
Hyper-reduced [HEH18].
Hyperbolic
[AL16, IYAH17].
Hyperelastic
[LBK17a, LBK17b].
Hyperion [BAC+18].
hyperlapse [JKT+15].
Hyperparameter [TYY+19].
Hyperspectral
[CBKM15, SS19, BKGK17, CJN+17, JBY+19, KRD+12, LLWD14].
Hypersurfaces [MHS+19a].
I-cloth [TWL+18].
ICON [HZvK+15].
Icons [HH90, BL15, LRNF04].
ICP [Rus19].
ideal [WDW+15].
identification
[XSZ+16, ZWZ+16].
identifying [DFL+15].
identity [NBLCO20, YCL+15].
HOT [MMdGD11].
Hookean [LK02].
Homogeneity
[KSSC08, TWL+05].
Home
[DKD+17a, GRG04, HL14, HXZ+19, Hi+86, KH17a, LXZ+9, SAA+21, SLST14],
TSLP14, WLZ+21, XCZ+18, AHM+15, ACP03, ACOY10, CTMS03, CPMK21,
CTTL15, CYT+18, Dee05, DWd+08, DK99, DKD+17b, FKI+14, FP03, GSCO12,
HRZ+13, HPP05, HKA+18, JWDL19, KE18, KWK09, KCGF14, KPM+17, KLF+19,
KH17b, LCR+02, LPL19, LCX16, MJ+03, MSS+17, MCC09, MWTK13, NOP+18,
NZC+18, PRW+18, PH06, PMRMB5, RPE+05, RSH+05a, SHP04, SZK15,
SGX+21, SKL07, SGd+10, SDO+04, TTZ+18, TMB14, Van06, VF+18, WC10,
WMC11, WMP+06, WPL+21, WLI6, XWCH15, XLS+11, YKH04, YXZ21,
YIO+15, YM16, ZZMC13, ZFL+10, dSA08].
human-assisted [YIO+15].
human-centric [KCGF14].
Human-Computer [Hi+86].
humanoid [NRH17].
humanoids [HL15, LPKL14].
humans
[EHA12, JST+10, KE18, MBB12].
Hybrid
[CSAP21, EC93, HTCH15, Kla94, MSQ+18, NN95, OTS06, Rap91, VR94, YSC+18,
ZYM+20, DBDB11, FOK05, PVL+05, PPW18, SWL11, WZK+17, XDF+19,
ZXS+21].
hybridization [FBT+18].
hybrids [RHDG10].
hydraulics [WDK+21, WAK20].
hydrographic [ZYZZ15].
hydrology [GGG+13].
Hyper [HEH18, KCS14].
hyper-lapse [KCS14].
Hyper-reduced [HEH18].
Hyperbolic
[AL16, IYAH17].
Hyperelastic
[LBK17a, LBK17b].
Hyperion [BAC+18].
hyperlapse [JKT+15].
Hyperparameter [TYY+19].
Hyperspectral
[CBKM15, SS19, BKGK17, CJN+17, JBY+19, KRD+12, LLWD14].
Hypersurfaces [MHS+19a].
IM-material [Kim18]. IM6D [HMT+15]. Image [AASP17b, BIP01, BLR+11, BBPA15, BNB13, CAA10, CLC96, CZL+14, DSB+12, DCD15, DPD+17, DSJ+21, FYW+18, Fat07, FF11, GGY18, HC17, HM02, HHA14, HXM+18, JKS+10, KRF06, KLS+13, LKG+05a, LFDF07, LW5, LNK+14, LT00, LCL+17, LZH+20, LNL+16, LCD06, MPN+03, DSB, LGA, CSW, BSP, AMMS08, BGKS17, BSFG09, BC+02, YSQS07, Zhu18a, vW02, AASP17a, AS07, AMMS08, BGKS17, BSFG09, BC+02, BS+19, BMSR20, BZC10, BHY15, BKR17, BPP13, BA83, CHM+12, CWW+16, CSW+16, CKS+17, CSDH13, CPD07, CTW09, CCT+09, CZM+10, CHY21, CG208, CSHD03, CSR10, DMIF15, DAD+18, DCP14a, DQF10, DFT10, DCOY03, EKD+17, FHT0, FHL+09, FFL10, FAR07, Fat08, FCA09, FLB17, FRS19, GSY+17, GO11, GO17, GCB+17, GRBN09, GMW16, GLT+21]. image [HSGL11, HSB+12, HRDB16, HPP+18, HBD+14, HHD16, HWRH13, HST+14, HDN+16, HLR+17, HMG03, HXM+13, HZW+13, HSW+13, HYG+13, HWK15, HOM15, ISS16, ISS17, JCC90a, JTC09, KEE13, KPO2, KKDK12, KSP13, Kou16, KSE+03, LHM+09, LWA+12, LDF14, LQS+15, LG+18, LXR+18, LK20, LYY+17, LTJ18, LFB+13, LSS+17, LXC+12, MHH+09, MAS+16, NFD07, PHL+09, PHK11, PSN20, PGO3, PSA+04, PTSZ11, PHS+18, RKP+12, RFW07, RPK+12, RHDG10, RGS10, SFLM04, SLJ07, SJA08, SL+16, SMGE11, SSY+04, SDP+18, SHM+14, SLWF14, SSD09b, SBT+19, SMP10, TFX+08, TYS09, TER+20, TZN19, TVLF20, TS08, TAN+21, TYY+19, VRC+13, VT04, VBFG12, VBBF16, WWH06, WTLS08, WYW+10, WXY11, WFP12, WHB+12, WLL+14, WSZ+18, WYL+20, WWA+16, WSS+19, WLHR11, WST08, Wym05, XLY09, Xia97, XKF+18, XSTN14, XYJ13, XSR18, XWZ+21, XAD12, YSN+18, YSQ08, YJHS12, ZZXXZ09]. Image [ZNI06, ZCW+17, ZS+17, ZCC+12]. Image-Based [BBPA15, BNB13, KRF06, KLS+13, LKG+05a, LCL+17, MPN+03, MZVW07, QZT+06, SKG+12, TZW+07, TO+03, VB05, XFT+08, XFSZ09, YTS+11, BKR17, CWW+16, CSDH13, DCP14a, HRDB16, HPP+18, HL+17, HMG03, LWA+12, NF07, SY+04, VR+13, VT04, VBFG12, VBBF16, WFP12, XSR18, XWZ+21, ZCW+17]. Image-driven [LT00]. Image-guided [BLR+11, XK07]. Image-noise [CTW09]. Image-space [DCD15, RJN16, Wym05]. image/video [SLJ08]. Imagery [MRC+98, MGDA+15, HH+10, KHC10, NAB+15, SSJ+11]. Images [ABGL21, DRC+15, LR90, PAB+21, SB95, SS19, SCB88, TGL17a, WS17a, ZLW+16, AM10, BBS4b, BOu18, BD09, AAO9, CWW+13a, CW11, CLQW08, CZW+11, CHM+10, DSB+12, DER+10, DTPG12, DDO2b, FKY+10, FFBB21, GLD+19, GGH02, GSLM+08, HH+21, HCS13, HEC03, HC04, HDC07, HZJ11, ICM13, JMA10, KE18, KO8, KS10, KP18, KUD07, LBP+12, LA50, SQ+15, LYT+14, LSS+19, MCL+09, MPK09, MNB07, NFL12, ODA15, OTS06, OBW+08, OG15, PBS04, RSSF02, SDIN18, STZ+16, STX15, SHZ+20, TGL17b, TEG18, TD16, TA0+04, THG09, TT09, WWOH08, WSH+16, WAM02, WS17b, WXY12, XL+16, XBS+19, ZCC+12, ZFL+10, ZTF+18, LR91]. ImageSpirit [CZL+14]. Imageworks [KCS18]. Imaging [ABGL21, DMZ+17, GNHM15, GVB18, HOZ+19, KZSR16, LCD+19, ABW+17, BGK16, BKGK17, CHWH17, CSHH21, CWK+20, Fre16, GKH12, ...
HSG+16, HRH+13, HHG13, HHHW15, IGP+17, ITM+14, JBY+19, KR17, Kan15, KRD+12, KN06, Lee18, LCV+04, LLW14, LOW18, LWO19, MRK+17, MMH+17, NZV+11, Par17, PKHK15, PH15b, RTF+04, RRF17, SHH16, SDP+18, SRL+15, TAHL07, WZK+17, WMB19, WJV+05, WW13, XIAP+17, ZJM11. Imagining [SMZ+14]. iMapper [MGC+19]. immersed [GAB20]. Immersion [LB18, HFI+08]. immersive [GN+03, HCF15, LNWB03]. impact [KLF+19, SKV+12, SN+17, VSK+17, WSJP17]. impactful [KLF+19].

Imperceptible
KOOP11, SMG+20, LSL+18, MWH+09. Imperfect [RGK+08, SPGT18]. Implementation [Day90, Mai92, KW03]. Implemented [LS00]. Implicit [BI+93, BGI+18, BBR+19, CSA21, DDS07, KSN17, PGP+19, Roc89, TAN94, VBG+13, ATW+17, BMS+20, CKMR+21, CH99, DB+16, FG19, GHB+20, GMP09, GBC+13, HCF19, HGMRT20, LTO9, LDK+18, LTT+20, MASS15, OBS04, PCT15, PV06, SSG11, SO04, SS11, TO02, WG09, YY12]. Implicitization [Hob91]. Implicitizing [SG17]. implicitics [OBA+03]. Importance [CSS96, MMR+19, SLGS01, W2Z+20, ARBJ03, CJA9J05, GKH+13, KV2+19, LRR04, ODJ04, Pet21].

Importance-Based [SLGS01]. imposed [Fat07]. impossible [WFY+10]. impostor [DHO00]. Improper [ACC90]. Improve [MGDA+15, VMKK00]. Improved [LR90, LR91, MRP+14, RSA08, WHG84, CZ12, SMG+20, TDR+12, WSJP17]. Improvements [DKHS14]. improves [CLS+17]. Improving [DDD+14, MPB17a, MPB17b, Per02, WLL+15, XW09, ZF03, SVB+12, XADR12]. IMUs [KLF+19]. in-betweening

Incompressible
[BGI+18, XTXZ+21, AIA+12, LF+10, S+08, WHK17, XCW+20, dGW+15]. inconsistent [DSB+12, KOF13, ODF2]. Incorporating [LNWB03]. Incremental
[Fie85, LFS+20, RY92, LKY+21, LKJ21, MZ12, TWL+18, WM03, WSS18]. Incrementor [Res87]. Independent [PBCF93, AMMS08, BHHM20, BCG1, EML+18, LB05, NOP+18, SXS+12, YME16]. Index [Ano85a, Ano90b, Ano92a, Ano93, Ano94, Ano95, Ano96]. Indexing [ZWK14]. indirect [HPB06, LALD12, MWRD13, RGK+08]. individualization [YI17]. Indoor [XZT15, CLW+14, CXY+15, FCW+17, GSY+17, KMYG12, MLZ+16, MKD16, NXS12, SXX+12, WSCR18, LW+19, XZC+17, XWW+21, ZCC16, LFX+19]. induced
[KSH+14, MHP+19, YSN+18]. Inferring [GJB+20, KFO3, SCH+14]. Infinite
[WHK17, NRC21, NML6, SPW+18, VSLD13]. inflatable [STK+14]. inflatables [PIC+21]. inflexion[IO01, OCH+16]. influence [VL07]. Information
[Ano82, Ano83, Ano84, Ano86, Ano87, Ano88, Ano90, Mac86, WKF6, XZ21, CL+14, TOS+03, WW13]. Informative [HXXZ20]. informed [ZD20]. InfraStructures [WW13]. Inhomogeneous
[St20, KMDO09, YIC+10]. Injective
[AL13, RPSP17a, CW17, FLJK21, FLG15, LCH+21, RPPS17b, WZ14]. Ink
[SKC+14, AAMS20, CT05, KNNH22, PCK+19, SB+18]. Ink-and-ray [SKC+14]. inking [SII18b]. inpainting [XXL+21]. input
[GMP+16, IBP15, JPG+14, NM16, RP09].
inputs [WFH10]. Insertion
[Joe90a, MFR+10, CAR+09, JMD+17].
inside-out [HRDB16]. inside-outside
[JKSH13]. Insitu [PKM+11]. Inspired
[HL14, OCNG21, YPA+18, CYFW14,
DZS08, KGBS11, KS12, WTGT10, XZZ+11].
ispiring [XZCOC12]. Instant
[HK18a, TTPSH15, NG18, PSNB13,
WWSR03, FHL+09]. instantiating
[WLW+19]. instantiation [SSBD03].
instructions [APH+03, SLR+16].
instrument [UPSW16]. instruments
[AR15]. Integer
[BCE+13, FBC18, Kla91b, Kla94, McI83,
PK83, AAMSB20, BZK09, FV96].
Integer-grid [BCE+13]. Integer-only
[FBC18]. Integrable [DVPSH15]. integral
[FD17, MGJ19, SM06]. Integrals
[SBN15, LZHJ20, NRH04, SR09].
Integrated [BDI+02]. Integrating
[BXH+18]. Integration
[OF01, Özt16, WL+20, AKJ08, BJ05,
DNZ+17a, FGW+21, HZ13, PSC+15, SK13].
Integrator
[CSAP21, KNSG17, LGL+19, MLT17].
Integrators [DLK18, BOFN18, KCD09,
LTT+20, MSW14, MCP+09]. Intelligently
[LNLB16]. intended [LRS18]. Intensity
[ABGL21, ME05]. Inter
[SAPH04, MCSDK+17, YSQT08]. inter-scale
[YSQT08]. Inter-surface
[SAPH04, MCSDK+17]. interacting
[LSSF06, MBD+19, RBV+04, TTT+17].
Interaction [Htt86, HtV+15, KP06, Obs86,
PKH+17a, SB93, SKSY08, ZWK14, CB04,
FKI+14, GWS05, HGR04, HLHR09,
HMT+15, MWH+09, MGC+19, PLR+16,
PKH+17b, RLZ+21, SCH+16, TREO16].
interaction-aware [PLR+16].
interaction-guided [MG+19].
InteractionFusion [ZBYX19].
Interactions
[PM18, ZZZ+21, BDWR12, CWS013,
FMB+17, FBGZ18, HMO12, HvKW+16,
KPH18, WM+20, WLO+14, ZBYX19].
Interactive
[ABL+21, AD03, ADA+04, AAPS16,
AAPS17, AVB08, AMD02, ACSM12, AF02,
BAS14, BIP01, BSG12, BBO91, BCC17,
BST+14, BR94, CR+16, CGC+02, CLJ+20,
CKS+17, CEW+08, CAR+09, CK11,
DLC+15, GLP+19, GLV+03, GJ+05,
GD+17, HR13, HSTP11, HS+12,
IMF+21, IDN12, KC19, KBD07, KW11,
KN02, KSKTL14, LWS+18, LCR+02, LLL18,
LRA+07, LFZ15, LWW08, LFUS06.
MTN+15, MSL+11, MCC09, NGDA+16,
Ols88, PHT+13, PKZ04, PHT17, RHW94,
RRS13, RZL+10, ROTS09, RTD+10, Ros94,
SM17a, SM17b, SGW06, SXZ+17, SWC+18,
SWL11, SLS*07, SSS*08, SCGT15, SSC*11,
SZS+07, SZZ*08, TLK09, TK14, TBWP16,
TDM11, TQ94, TPWG02, VCC+15,
VAB09, WBC+05, WTS08, WS17a,
WS17b, XM+11, XLCB15, XL+16,
YMRD15, YCYW20, YKGA17a, YKGA17b,
ZB13, ZCC+12, dSAP08, AR15, BTC15,
BWG03, BBPP08, BAERD08, BDI+02,
BGG+05, CK14b, CZZ+14, CRG+20].
iinteractive
[CTW09, CôS19, DSD07, DKP11, DE05,
DTPG11, DPF03, EVC+15, FN+D82, GM05,
HSH20, HZ+13, HNN+02, IIM12, IOI05,
JLY09, JP03, JX96, JMI+07, JRT+15,
KTL+04, KYC+17, LWB+10, LMLL21,
LACS08, LTT+20, MTP+15, MWR12,
MWRD13, MCS15, MIO7, NAI+18, NSZ+10,
NAH03, OHB+11, PMOR10, PPZ+11,
PTG02, PSS+12, RKK+07, RMD04,
RLP+20, RKB04, SS014, SXZ+12, SHL+17,
SLD17, SYW+04, SSS18b, SPG13, TWL+18,
TBC+16, UBW09, UKIG11, UKSI14,
UPSW16, UB18, VGB+14, WTL05, WAC07,
WWZ+09, WSZ+14, WS09, WTB07b,
WDR11, WZL+20, WYM05, YL+16,
YMR+13, YHZ+14, ZG04, ZHR+09, ZLE14,
ZPKG02, vdHDT+07, LCXS09].
Interactively [ESCK16, SRH+15, YCP16].

Interception [YLNP12]. Interchange [KP92]. Interchangeable [DYY16].

Intercluster [Xia97]. interest [ZK13].

Interface [BL18, Fol86a, Fol86b, Fol86c, HC86, Hud94, RvE93, RO94, BJS+08, DK99, FQL+20, FH04b, GCR13, HK10a, IWZL09, KP09, KP10, MB12, NSAC05, Ols84, PTG02, Pe10, TBvdP04]. Interfaces [Bar86, BD86, Jac86, SG91, An03, LRFN04, SH08].

Interference [HPSZ11, RV89, KWB17, PTG02, Pel10, TBvdP04].

Interference-aware [HPSZ11].

Interferometry [GLDZ15]. interior [MSL+11]. interleaved [JGGN15].

Interleaving [TWAD09]. Interlinked [GPB+19]. interlocking [FSY+15, SCGT15, SFCO12, SFJ+17, WSP18]. internal [MTB+13, ON04]. Internet [CCT+09, CZG+11, HZZ11, MBGS15, STZ+16].

Interplay [CMT04]. interpolant [Jam20].

Interpolants [BDT99]. interpolate [TO02].

Interpolated [SH07]. Interpolating [FG90, SOS04, Yu20, LYLL08, RP09].

Interpolation [Bi92, BW93, BF01, CK20, DLG90, Fie85, Fol87, JW15, Pe89, RY92, SDN18, VTTSH15, WX91, BT19, BMSR20, BvdPPH11, CWKBC13, CCW16, Csé91, FZL+15, GTJS17, GAF+10, LVK21, MDZ+21, MMH+09, Mal89, MK05, PR97a, RMS10b, SV19, VW97, VBK05, WS21, WG10, YSW+17, ZPKB17, ZKU+04].

Interpolations [Thu17a, Thu17b].

Interpolatory [AA09, DM13, ZM11].

interpretation [CKX+08]. Interpreting [SLZ+13]. interreflections [CRA11, DDT15, XCM+14].

Intersecting [CCW93, KS95, MD94, LB18]. Intersection [ACC90, CGM91, FLS+21, KM97, MST89, Mi87, NY94, LFS+20, NPP+11, SHH99, VMT06, WFP12, Bak94].

intersection-and [LSF+20]. Intersection-free [FLS+21].

Intersections [FNO89, MD94, SJ94]. intervals [ZS00].

Interview [BLA12]. intra [YSQ08]. intra-scale [YSQ08]. Intrinsic [BBS14, CSBC+17a, DRC+15, LWQ+08, LFXH17, WP06, XWC+16, YGL+14, BHY15, BST+14, BPD09, CSBC+17b, ED04, KLF11, LBP+12, LZBCJ21, MZRT16, ROA+13, SSC19a, TBW+12, XZT+09, XZJ+12].

Introduction [BG89b, BG89a, BG90, Ber82a, Ber82b, Fol86a, Fol86b, Fol86c, FGN84, FR87, Fuc82, Pha18, Ros94, Tan83].

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

Invariant [NY94, BHR13, BBGO11, CGZ08, KPM+17, LSC+08, LSLS05, MTP12, MWT13, PR97a]. invasive [NHAH03].

Inversive [BBJN18, DSP06, DDBD13, GDAB+17a, GZB+13, GJB+20, HMLB16, HX+13, L114, LBD+06, LCDB+18, VGDA+12, WHZ+08, WDR13, WYD+14, ZBB94, BBP21, BWS10, CXXZ14, DDBD10, DIO+12, GLD+19, GDAB+17b, GP08, GITH14, GMP05, KE18, LP10, LHP05, LCX16, MB21, PIC+21, SZT+07, SZGP05, WPP14].

Inversive-Foley [LJ14].

InverseCSG [DIP+18]. inversion [FL16, KDI19, LFS+20, SLL+21].

inversion-consistent [SLL+21].

inversion-free [FL16, LFS+20].

inversion-safety [KDI19]. Inverted [KH17a, KH17b].

Invertible [AX09, XLW18]. investigating [MBB12].

Investigation [BS90]. iOrthoPredictor [YSW+20]. IPC [LYK+21]. IQ [FQL+20].

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

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

irregular [JLB05, LZKW10, LCOZ+11, ZXJ+13].

irregularity [WLM+15]. irregularly [Go00].

Islamic [KS04a]. Islands [HA92].

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

isocurve [EC96]. isocurve-based [EC96].

isolines [AFTCO07]. Isometric [Sah18].

isometries [JWI+21]. isometry [TMRL14].
Isosurface [LS07, VW94, VW95, WV92].
isosurfaces [LDS03, WHDS04]. Isotthetic [PVY90].
Isotopic [MC815]. Isotropic [BSN16, MHS+19a, SDK19, SBN15, TWAD09, WOR10]. Issue
[BG89b, Fol86a, Fol86b, Fol86c, FGN84, Phl18, Ros94, Sto92].
iterated [RKB04]. Iterative
[CK20, HL14, LKE18, LZH+20, YFFA21, DBDB11, JTL+12, JDD03, Wan15]. IV
[AB89]. iWIREs [GSMC09].

Jagged [Nai98]. JALI [ELFS16]. jaw
[ZBBB18, ZBGB19]. jewelry [ILB15].
Jigsaw [KP02]. jitter [TBV12]. jitter-free [TBV12]. Joinery
[YKGA17a, CPMS14, YKGA17b]. Joint
[DSAF+13, GKH+13, HKG11, KCLU07, LSQ+15, TWLT19, XWY+09, GCDP16, HWK15, HOM15, ISSI16, JDSL19, Kal+17, LKK+18, VLY+21, TBC+16, YC21].
Joint-aware [XWY+09]. joints
[LT08, SZ15, WSP21]. Judder [CAD19].
Jump
[BJNJ18, ZG04, YYW+12a, AGB+16].
JumpCut [FZL+15]. jumping [YYVY21].
junctions [KPP17]. just [SC20].

K-D [XLJ+09]. kaleidoscope [HP03]. KD
[AGDL09, ZHWG08]. KD-tree [ZHWG08].
KD-trees [AGDL09]. Kelvin [NRC21].
kelvinlets [DJ17, DJ18a]. Kernel
[BVM+17, CPW21, SBN15, WDT+09, CLC+20, Fat11, FKY08, GLA+19, GLZ+21, LSR18, LDF+14, SJF+05, VRM+18, WWB+14].
Kernel-predicting [BVM+17].
kernel-splatting [GLA+19]. kernels
[ASL+17, CMT+16, FSH11b, VBCG10, YT13]. Key [MA07]. Keyframe
[AHS04, TMPS03]. Keyframe-based
[AHS04]. Keying [AAPS16, AAPS17].
Kinematics
[HMBL16, ZB94, BCT15, DSP06, GMHP04, SZT+07, SZGP05, SZS+14]. Kinetic
[BL20, XKCB18]. Kirchhoff
[BJ05, KTY09, POT17]. Kirchhoff-plateau
[POT17]. kirigami [JRPW20]. KleinPAT
[WJ19]. Knit [KWL+21, JGT17]. KnitKit
[NQC+21]. Knitting [WSS19]. knitted
[KJM08, YKJM12]. Knitting [LHZ+21, NAH+18, MAN+16, NQC+21, NWYM19].
Knot [Joe90a, SYSP14, Joe89]. Knowledge
[XGC07, MYWI15]. Kontrol [Obs86].
KRISM [SS19]. Krylov [SS19].

L [GJB+20]. L-Systems [GJB+20]. LAB
[SCB87]. Laban [DKD+17a, DKD+17b].
Label
[CMS95, LSA+16, RMBB+13, WZF+18].
label-map [LSA+16]. Labeling
[GZC15, ST16, VVC+15, HSG13, HFL14, KHS10, YGH+17]. labelled [HLCJ17].
labels [HLW+18]. laboratory [ZJ18].
laden [GPH+18]. Lagrangian
[BGOS06, BvdPPH11, CWSO13, FLLP13, LTK09, MGAK03]. Language-driven
[MPF+18]. Languages [BK16, YPB16].
Laplacian
[APH+14, CSK18, DLF12, JCDW19, KFS13, LSR18, PHK11, ZHS+05].
Laplacians [AW11, FW12]. Lapped
[TO10]. lapse [BM07, KCS14, LEN09, MBGS15, SMPP07, TDSG15]. Large
[GN+12, KABL15, LZX19, SM17a, SLP+11, ZHS+05, BZ11, BWHT07, BZL+15, CB04, DFZ+17, EDF+16, FAW19, GB13, HSG13, HWG14, HNM19, HGMRT20, IGLF06, JPO3, KGG+20, KHO8, KFWM17, KLM+13, KSKL14, KPZK17, KGO4, LGL+19, LFS+20, MRA+13, OAH11,
Lifted [APL14]. Lifted [GHL+20]. Light [BBS1a, BSB16, BJN18, CBCG02, CNR08, DPW15, DKHS14, DJ05, GKDS12, HSHF10, HMP+08, Ka87, LNA+06, LLR+15, LR15, MJC+03, MMT18, MHI19, NID20, FO01, PRM14, RLLG+20, SHD+14, SXZ+20, VMCs15, VPB+09a, WZK+17, YSHW+16, ZFT+21, BHR13, BMSR20, BDM09, BS17, BJ17, CDP+14, DHS+05, EHDR11, FAR07, Fat09b, GTTH03, GLDZ15, GHG03, HPJ12, HKD14, Hac18, HPB07, HKW09, HSG+16, HDHN16, HDC07, HLHR09, HWR14, HWBR14, HCW15, IZT+07, JBM+17, JMB+14, JMY+07, KWR16, KHD14, KHRK11, KHH+11, KZP+13, KBC+13, KO11, KGH+14, LHKR10, LWL+11, LL13, LJ+16, Leb07, LZT+08, LAC+11, LALD12, LKL+13, LK20, LLW+08, MSRB07, MLR+14, MRK+13, MRK+14, MWB13, MPD+03, MSOC+19, MGJ19, MCT15, OK10, ORK12, OHX+14, OHHD18, OEE+18, POB09, Pan17, PML+09, QSH+15, RHJD18, SNM+13, SHL+17, SLS+16. light [SSY+04, SOHK16, SY21, SHK+17, TAV+10, VRA+07, VWJ+13, VJS21, VKS+14, VK16, WDT+09, WHY20, WLM+15, WLHR11, WLHR12, ZSGJ12, ZWSG02, ZBW+20]. light- [BMSR20]. light-driven [BDM09]. light-field [MRK+13]. lightcuts [WABG06, WKB12, WFA+05]. Lighting [HZW12, NBB04, PBM07, SW14, SWZ96, SHS+18, SS00, YY17, ZSSJL10, BAOR06, BBPD12, BPB13, CPWAO8, DWT+02, DCP+14b, GGNN18, GCD+20, KP09, KAMJ05, LK02, LYL+16, MWRD13, NRH03, NJS+11, RKKS+07, RMM07, RNd+07, RZL+10, SHS+17, SKS02, VB+12, WSM11, XMR+11]. Lights [OKH+16, DKH+10, HKWB09, HWJ+15, KWN+17, NNDJ12, OP11, Pet21, WHY+13, WR18]. LightSlice [OP11]. lightspeed [RKK+07]. Lightweight [BBGB16, UMK17, VWB+12]. Like [ZSAF21, DSG+12, HZZ11, KLY+14, MGAK03]. Lillicon [BL15]. limbs [MWTK13]. limit [TSL+16, OCNG21]. Limited [DBP+15]. limiting [WOR10]. Limits [BAU15, WP06]. Linde [DSZ17]. Line [And82, BS19, BKR+05, KYYL08, LMLH07, LB84, RWW90, SZLZ10, SZG+13, VA88, BAGM12, CSHH21, CWK+20, CSD+09, FLB16, FZLM11, GTDS10, GCR13, GRT13, HOZ+19, IH20, JNS+09, KKL13, KSSI17, LW019, MESS+21, NH+13, PSB07, PNA+21, Spr82, VHS+14]. Line-art [KYYL08]. line-drawing [Spr82]. Linear [Ale02, BSB16, DPW15, DMZ+17, DLTW09, DHI+13, Fie85, GTTH03, HGM14, KW03, LS00, LSLC05, Mey91, NON85, OP01, RY92, WJ15, WSB5, dSBD09, BB09, BO01, BSB17, CDP+14, CS09, DCP14a, FLB17, HSB+12, HDA17, HKG11, LMR+15, MCG06, MGYM15, MHR+16, NRH03, PLR+16, Sds02, TMD11, VJS21, WHS07, WBO8]. linearization [KJM10]. linearly [HDHN16]. Lines [Bak94, CH14, Fat14, MST89, YZX+18, CGL+08, FTP03, GKK+17, KXY+17, LL17, OBS04]. LineUp [YY+19]. linkage [BTC15, TCG+14]. linkage-based [BTC15]. Linkage [BCT15]. Linking [QJ21]. lip [ELFS16, SSKS17]. lips [GZW+16]. Liquid [BHW13, Ste20, Thu17a, ATW13, ATW15, AB20, BDWR12, CWS013, FMB+17, FBGZ18, KTT13, MBT+15, NB11, PHT+13, Thu17b, UHT17, WLZ+09, YCY04]. Liquid-Crystals [Ste20]. liquid-fabric [FBGZ18]. liquid-fabric [FMB+17]. liquids [AGL+17, CMSA20, CWS013, CPPK07, DHB+16, GB13, HGMRT20, KySK09, LB17a, LSSF06, MYH+10, NNC+20, RWTT14, SXH+21]. List [TOP03]. listen
[EML+18]. listeners [CRG+20]. lists [CSN+12]. Live [MZRT16, DWT+02, KDMW17].
live-action [DWT+02]. live-streaming [KDMW17]. LiveCap [HZX+19]. localization [MPK09]. Lloyd [BSD09]. lobes [LPC+11]. Local [ABGL21, APH+14, BB83, BBS14a, GSV+14, HKC+18, Kal14, Les20, MP09a, MSJC+19, MCY14, PHK11, Pet89, SLS05, SZKZ20, WGY+18, ZDL+14, ASC+14, CDSHD13, CH89, Coh87, DKK+10, DMF15, FF11, FLSC14, 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, WLZ+21, BWS09, NVW+13, PHT+13]. Locally [BS16, Pot91, RPPSH17a, SW18, Sze06, TAI07, WZ14, BS17, CW17, FLG15, ISS17, LCH+21, MSRB07, RPPSH17b, YYW+12a]. located [KK07]. Locating [HLV+17a, HLV+17b]. location [EKA84, UMK17]. Locking [FAER21].

Locking-Proof [FAER21]. Locomotion [CKJ+11, KL17a, LPKL14, AvdP16, CLS03, GvdPvdS13, KL17b, KLV20, LWB+10, LLK+15, LLK11, LSCC20, MdlH10, PBvdP16, PBYV17, TTT12, WP09a, WPP14, WHDK12, cWP10, YLvdP07, YTL18, dSAP08, dLMH10]. LOD [VLA15, WWH04]. Logarithmic [LGQ+08].

long [AAC+06]. Look [CLC14, BP06, DSG+12, Lau18, WKHA18, ZM19]. look-ahead [ZMN+19]. Looking [EML+18, Fol91, RPC+10]. LookinGood [MBP+18]. loop [CTS+20, HGG+11, PCPW20]. looping [LJH13b]. Loops [HLSH15, CBK12, DLS08, HHV+21, LFH15, She13]. loopy [QJ21]. Lorenz [FCJ07]. Lorenz-Mie [FCJ07]. loss [VRM+18]. Lossless [YGM97, GD02, PK05]. loud [DZS08]. Low [APC+16, CSHH21, HHGH13, Lee18, MCE+17, ME05, WS17a, APL14, CH05, CLV+14, GKH+13, HSG+16, KLS03, KO11, LHKR10, LWH+12, MRB07, MdLH10, MK16, PU06, SHP04, SKS02, WS17b, YTL18]. Low-budget [HHGH13].

Low-complexity [ME05]. Low-cost [CSH21, MCE+17]. low-dimensional [CH05, LWH+12, MdLH10, SHP04]. Low-discrepancy [APC+16].


Lower-Dimensional [KM97]. Lpicks [PV+05]. LR [GLL11]. Luna [Nah20].

Luminaires [VADWG15, ZBX+21]. Luminance [CAD19, MC92, TAKW+19, DRE+12, KWK09, MKRH11, SCT+15]. Luminance-aware [CAD19].

Luminance-contrast-aware [TAKW+19, DRE+12].

M. [OCG21]. Machinability [CCW93].


MakeItTalk [ZHS+20]. makes [DSG+12]. Making [MS04, XLF+11, BSW02]. man [FCODS08, LMS13, MZL+09, MMBB15].
man-made [FCODS08, LMS13, MZL+09, MMBM15].
management [BPD06, LDS02, Ols84], Manga [QWH06, CCL12, CLC14, LLW17, QPWH08, XXL+21, XLWW20]. Manifold [CZT12, DS92, DWT+10, JM12, LXY+16, CK14a, CHY21, MASS15, RRS19, YZ04], manifold-based [YZ04]. Manifolds [NRS15, WLY+16, CBK12, GO12, HP04, LVS+16, Man86, ÔAG10, WTL06a]. ManipNet [ZYK21]. manipulate [YL+20]. Manipulating [KAEE20, Res87]. Manipulation [AASP17b, Jac86, KOF14, vOV96, AASP17a, BSL12, BSP+19, BLDA11, CAA10, CWW+12, CWW+13a, DCD15, FFLS08, FSGF16, GSMCO09, GAL+09, GS82, GS85, HI03, IM05, IM10, KOF13, KSES14, KLF12, KSKL14, KS21, LYP+18, LLZM10, LLHF21, LCC15, LLH04, Liu09, OF12, SNM+13, SILN11, SMG+20, SSP07, TAN+21, VBBF16, WMZ+13, XYW+09, YKH04, YZX+04, YJHS12, ZYSK21, ZCC+12, ZHX+07]. manipulations [BLDA11, KDM+16, YL12]. manufacturing [AHB18, BR21, MAYZ+20, MDL16, MSL17, MHS18, YIO+15, ZZX+18]. Manuka [FHL+18]. Many [TJ07, HPB07, HKWB09, HWT+15, JLF+09, LPKL14, OP11, SCS+08, WHY+13]. many-core [SCS+08]. many-light [HPB07, HKWB09]. many-lights [HWT+15, OP11, WHY+13]. many-muscle [LPKL14]. Many-worlds [TJ07]. manycore [KGB+09]. Map [ROA+13, ASP07, HSRG07, HWG14, JJJ+21, LSA+16, NFA+15, RH02, ZG04, ZK14]. Map-based [ROA+13, ZG04]. Mapped [KH17a, KH17b, WZYR19, YHI+14]. Mapping [Lip18, SW18, SCB88, SWK16, TB87, WC21a, ASC+14, BKR17, CS00, CBCG02, DHI+13, EMU15, EKM17, GP09, HOJ08, HJ09, HST10, KD13a, KISS15, KJDL09, KO11, KZ11, LHW+10, LCTS05, LW16, LLZ+20, Lip12, MCK+17, MDK08, MAF+09, MWH18, MGC+19, MM06, NL13, NBLCO20, PNB13, POC05, PTH+17, QZG+19, RST+07, SAPH04, SHHD17, SiS02, SCT+15, SCA02, SXC+12, TTO9, WWT+03, YZWH12, ZMT05]. Mappings [BJNJ18, DFYL19, RPPSH17a, AL13, APL14, APL15, CW15, DFZ+17, FLL15, FL16, KSS06, KABL15, PL14, RPPSH17b]. Maps [ESBC19, HJS+14, LRU5, Ros20, Shm92, THCM04, ARB303, BCWG09, BCE+13, CSZ16, CZ17, CKPS17, DK09, FFL10, Fat09b, FG11, GKK+21, GAS08, HSB+12, HZG+12, HLTW+19, JSP17, KLF11, KAB+10, KSG03, LSO07, LPRM02, LGQ+08, MJC+08, McC00, NG18, OBSCS+12, PRP+15, PBFJ05, RPWO18, RMOW20, RGK+08, RCOLO9, SCH+14, SGW06, SCH03, SD02, Tar16, TWBO03, WSJP17, WDB+08, WG10, vW09]. MapTree [RMOW20]. marching [KDPN21, ZRL+08]. marionettes [ZPBC19]. marker [HLW+18, RRC+16, SNF05]. marker-based [HLW+18]. Markerless [BPS+08, MWI18, ZBGB19]. markers [HMT+15, LMB14, RNK+07, YMJ+21]. Markov [CNX+08, Gol84, Gol85a, JM12, OKH+17]. Markovian [GRS03]. martial [SSZK21]. mash [DSC+20]. mask [FZL+15, VRA+07]. Masked [AHAM15]. masking [LCD06, RSI+08]. masonry [PBSH13, WOD09, WSW+12, dGAOD13]. Mass [SHS+18, TVB12, TFD+18, BvdPPH11, KGS+18, LBOK13, LFL08, SHS+17]. mass-spring [LBOK13]. masses [AMS03]. Massive [JRSS21, PHA10, SSJ+11]. Massively [GLDFN14, KS95, WQS+20]. Massively-parallel [GLDFN14]. Mastering [SSII18a]. masters [BLCD02]. MAT [LWS+15]. match
[PDSH17, SLH+20]. matched [LSO07].

Matching [BBB+93, BBB10b, KZS+15, LYP+14, MOR+18, BTFN+08, DML17, GCO06, HKPP20, HFG+06, KFR04, MHTG05, RJO7, ST04, STZ+16, SMGE11, TFWB+10, TLC21, WLL+14, WY04].

Matchmaker [KSG03]. Material [BBPA15, JTRS12, KPWP17, LL11, XLCB15, YSB+15, BBP21, CSBH12, CRA11, CLSM15, CXY+15, CKMR+21, CPWAP08, DBD16, DTPG11, DJ18b, FLGJ19, FQL+20, FGW+21, GTJS17, GWW+18, GZB+13, GHF+18, HFG+18, KP10, KRFB06, Kim18, KFB10, LMS+19, LBAD+06, LHdG+14, MIW16, MWI18, RXL21, SGM+16, SCW+21, SLH+20, SARW+15, SSC+13, VLD07, VWRKM13, WQS+20, WFL+19, WDR11, WDR13, XSB15, YCL+17, ZAJ+15, ZFWW18].

Material-minimizing [KWP17].

MaterialGAN [GSH+20]. Materials [BAU15, HM92, LBK17a, RT90, AWLI5, ATDP11, BeI18, BBO+10, DI11, DBD16, DJ05, GTJS17, GMG+20, HFM+10, HR13, IDN12, JAM+10, JdJM14, JAG18, JB02, KMOD09, KCD+16, LXY17a, LMKP13, MTGJ11, MPH+15, NGL10, PRJ+13, PRFS18, PL07, RCL21, RGB16, SMCT18, SSJ+14, Ter18, TWL+05, WTL+06a, WZT+08a, WZB17, YAV+20, ZYL+20]. mathematical [LZ04, LBDA21].

MathPad [LZ04]. Matrices [Gol85a, YCP16, KFS13, WWS+05].

Matrix [HPB07, BFGS03, HWJ+15, HWW+16, LTT+20, OP11, RCL21]. matte [BCN08]. matter [APCO21]. Matting [YTBK11, CAC+02, CGC+03, JMA06, LL11, MJP+05, SJTS04, SLKS06, WAC07, WTBS07a]. maximal [EDP+11, YW13].

maximization [ZXJ+13]. maximum [ME05, Xia97, YSW+17]. maze [XK07].

MCMC [YYW+12a, ZD20]. MDE [LXY+16]. Me [WZC+20, MBB12, YRPF09]. Mean [HF06, JSW05, TMB18, LJH13a, PCL+12]. meaningful [CTS+21]. means [ABJN85, RKZ12, Zit13]. measure [GAGH14, GvdBL+12, LMB+19]. Measured [DWMG15, ATDP11, PL07, STPP09, SJR18].

Measurement [DDTP15, BBO91, JKZS10, WOR11, WMP+06, YTTJ15]. Measurement-based [DDTP15, WMP+06]. measurements [CHM+12, HKA+18].

measures [MIWB02]. Measuring [HP03, MWAM05, KRD+12, PRW+18, PPZ+11]. Mechanical [SMCT18, CLM+13, CTN+13, KLY+14, MSH+19, KY+18, TZCT20, XBZ19, ZKBT17, ZXS+12]. Mechanics [SNW21, AVGT12, HVS+09, WCL+20].

Mechanics-aware [SNW21]. mechanism [XLX+16]. mechanisms [HFF18, MZB+17, ZAC+17]. Media [Ste20, BAGL19, BGL20, BRM14, FCJ07, GCH+19, HED05, HWW+16, JDZJ08, LBDF13, MPG+16, NGD+06, NNDJ12, NSJ14, RSA09, WZB09, YIC+10, YSC+18, ZYJ21, ZWD16].

Medial [LLF+20, LYK+21, LWS+15, BO04, HWC+13, YSC+16, YLJ18]. medial-axis [BO04]. median [Ada21, Wei06].

Megapixel [WFDH18]. melanin [TOS+03]. melding [DSB+12]. memex [JTRS12].

memory [BAM13, VSJ21]. Menu [Ols86]. merge [WTGT09]. MergeTree [VKJ+17].

merging [CBK20, DP13, FBH+10, GKD12]. Mesh [ACP+01, BYG96, ER118, GZC15, HS13, JTJW07, LVJ05, SK16, SZT+07, SLR14, SZGP05, TGBE16, ULP+15, WLT16, YZX+04, YKH10, ZHW+06, ZGJZ16, ACXG09, ATC+08, ACBO17, BSA14, BCG05, CGF09, CLSA20, CPMS14, DBG14, DSSC08, DKP11, DTP15, EBC13, FDC03, GDC15, GTJP17, GCP13, GSFD+14, GF08, HSH20, HSL+06, JTO5, JIA21, JDD03, KHS10, KT03, KG05, KBZ15, LT20, LNM09, LDS+16, LD14, LDP84, LW+11, LFJG17, LSVT15, LBK16].
LWL⁺20, MPO21, MBF04, NSAC005, NGH04, PK05, SNC08, SHD⁺18, SYBF06, TFP⁺11, TWG10, TWAD09, VMW15, VBMP08, WZHB09, Wam16, XZY⁺07, YLH18, YLPM05, ZWCC12, ZJ12, ZHS⁺05.

Mesh-Based
[Er18, SZGP05, DBG14, TWGT10].

MeshCNN [HIH⁺19]. Meshed
[CH02, WIl92]. Meshes
[BSTY15, ERT14, LS00, NAH⁺18, Sar00, TGBE16, WSY19, YCP16, AW11, ATW13, AF5R03, BBJP12, BC18, CSPF12, CS09, CWSO13, DM13, DP13, EB14, EPD09, FOK05, FKY⁺10, FSK04, GGS03, GLL11, HV04, HA18, IG03, JTPSH15, JZHT⁺21, JSW05, KFC006, LS07, LZW10, LSLC05, Lp12, LPW⁺06, LXFH15, LXY⁺16, MS04, MCK15, MPK10, OBS04, PRP⁺15, PZK11, PPW18, PTC⁺15, PKC⁺16, PKC⁺17, SPGT18, SC20, SBZ09, SS21, SSP08, SSW⁺13, SGC18, SP04, SLWS07, SSK⁺05, SKC⁺14, TPSSH13, TMY⁺11, TSG⁺14, TLJP18, TPT16, VMV17, WM13, WGT109, WPGM16, YYP11, YSK09, YKJM12, ZBG15b, TGB13]. MeshFlow
[DKP11]. MeshGit [DP13]. MeshHistory
[SSTP15]. Meshing
[ABE⁺20, Pani18, SRUL16, ACSYD05, BCT⁺13, CBK12, ECBK14, FXBH16, FL5G14, GPW⁺17, HZG⁺18, LLX⁺12, LZC⁺18, LCBB19, MC21, PEVBC21, SRUL17, WGF⁺18, ZGW⁺13]. Meshless
[MHTG05, PAK⁺05, RSLL18, FGBP11, HLLW⁺12, LZT⁺08]. MeshWalker [LT20].

mesoscale [HBP⁺21]. Meta [Wim14].

Meta-representation [Wim14]. Metal
[DWM15, PH15a]. metallic
[HCE03, PH15b]. metallophone [BLT⁺15]. metamaterial [MSH⁺19]. metaners
[WKF⁺21]. metamodel [LWL7]. metamodel-based [LWL7]. Metamolds
[AMG⁺18]. metamorphosis
[COSL98, PSN20]. Metaphor [SB93].

MetaSilicone [ZKBT17]. Method
[FG90, LR90, LR91, LB84, MAI92, MHHT15, PK83, Roc89, RT90, Sar00, SDG⁺19, SSC19b, WYWW11, YSB⁺15, ANZ18, BSD09, BGS06, BWH707, BBP21, CZZX14, CMSA20, CLC⁺20, CKMR⁺21, DB16, DTK06, FLG19, FQL⁺20, FGW⁺21, FTP16, FG⁺17, Gal99, GTJ17, GBO04, GHF⁺18, HZ11, HFG⁺18, JSS⁺15, JZWH⁺15, KLL⁺07, LXY⁺16, MHH⁺09, MPS04, NZWC00, SR05, SM18H, SSC⁺13, SS17, TCA21, UB18, WDT⁺09, WQS⁺20, ZH1B10, ZB14, ZSTB10, ZZZC13].

Methodology
[Er18]. Methods
[CCK92, Er11, LB17a, LC96, MEM⁺19, NNG5, PP94, SPV⁺16, WHHG84, GWW⁺18, JP03, LB17b, Nas87, NNSM07, THG99, UHT17, WY16, WFL⁺19, YLY18, YCB18].

Metric
[KH10, CKPS18, DMHG13, FG09H08, JFH⁺15, LWC⁺13, MKRH11, SPK16, ZWL⁺18]. Metric-aware
[KH10].

Metrics
[WGY⁺18, CHM⁺12, CL16, MMS⁺19, RP03, TGB13]. Metropolis
[BNJ18, GRS⁺17a, GRS⁺17b, HKD14, LKL⁺13, LRL⁺15, MKR⁺14, OHH18, Pan17, RLLG⁺20, TLL⁺11]. metropolised
[SOH16]. Micro
[GSCO12, KSZ⁺15, REG⁺09, KWN⁺17, Par17, ZMB11].

Micro-Appearance
[KSZ⁺15, KWN⁺17]. micro-motion
[Par17]. Micro-rendering
[REG⁺09]. microcylinder
[SBDJ13]. microdisparity
[TDR⁺12]. Microfacet
[BSN16, RBMS19, SHHD17, BB17, HH1D16, HP17, JHY⁺14, WZT⁺08].

Microfacet-based [SHH17]. microflake
[HDCD15]. Microgeometry
[DWM15, J CRA11, RBSM19, WM09R09, YWHT⁺18].

micrography
[MBS⁺11]. micromirror
[HSH10]. Micron
[GDZ15].

Micron-scale
[GDZ15]. microphone
[DRW⁺14]. Micropolygon
[HQL⁺10, FFB⁺09, HZ11]. microscale
[NL⁺16]. microscopy
[LNA⁺06].

Microstructure
[WHY10, NFA⁺15, YHMR16].
Microstructures [SBR+15, ZSCM17b, PRZ17, TTZ+20, ZSCM17a]. Mid
[AS21, FYY+16, LSCS14, ZF03]. Mid-Air
[AS21, LSCS14]. mid-scale [FY+16].
mid-tone [ZF03]. MIDAS [MW18]. Mie
[FCJ07]. migration [LVO19]. MIKE
[Ols86]. millimeter [LGK+16]. milling
[YAV+20]. millions [LHLK10]. millions
[HE07]. mimicking [SPSH14]. Mind
[HYG+13]. Minimal
[MHS+19a, XNY+16, NJR15, WC21b].
Minimization [LWS+15, HS13, RKKZ11, VMT06, WPL06, XLIJ11]. minimize
[Sii02]. minimizers [LZ14]. minimizing
[HP04, HXK+19, KPWP17, MCKS+17, WJZL08, Xia97]. mining [MBGS15].
Minkowski [BDD11]. MIP [CS00]. MIPs
[FLG15]. Mirror [ZAE+14, WGL+18]. missing
[ZBG15a]. Mix [PDSH17]. Mix-and-match
[PDSH17]. Mixed
[AAMS20, BSS+11, BZK09, HPK+17, Wan18b, BBPD12]. Mixed-integer
[BZK09]. Mixed-order [BSS+11].
Mixed-primary [HPK+17]. mixer
[HHGH13, SDL17]. Mixing
[NSS+19, GKH12]. Mixture [LSS+21, RLY+14, GPH+18, HMP+08, VKS+14].
mixtures [PRJ+13, TGK+17]. Mobile
[NKK+14, AMS03, HSG+16, WGJ+18, XBN19]. mobility [HLV+17]. Möbius
[LF09, VMW15, VMW18]. mocap
[CLM+13, CWZ+21]. MoCap-solver
[CWZ+21]. MOCCA [WSP21]. Modal
[JL11b, LFZ15, BDT+08, DCD15, HSTP11, LAJJ14, RLY13, SGD21, ZJI11].
Modal-space [JL11b]. Mode
[ZSKS18, WJ19]. Mode-adaptive
[ZSKS18]. Model
[BSN16, CAD19, CTS2, DK99, EHSN20, FW16, FHK14, HGC17, Hud94, LMH+15, PC82, RLY+14, Sar00, TLP06, TGZ18, WLZ+21, WBG+16, XLCB15, APCO21, ARS14, BBGB16, BWSK12, CAJ09, CH07, CZZ14, CZ11, CPSS10, CLD+13, CHB+12, DI11, DF88, DDSD03, Dee05, DRE+11, DRE+12, DWd+08, DLR+09, ELF16, EML+18, Fat11, FMB+17, FBGZ18, FBBF21, FD17, GHBCO21, GWM+08, GMP+06, GSH+20, HHD16, HP17, HW12, HOM15, ISN+20, JSB+10, KCK12, KDR+16, KJ09, KNC+08, KKW21, LWS02, LBB+17b, LHM+18, LMR+15, MPBM03, MM08, MC12, MGZJ20, NSS+19, PLR+16, PMRMB15, RGB16, RHLH02, SBdDJ13, SLF08, SCW+21, SYS+21, SFB+09, SRNN05, TOH08, TTR+17, TS12, UKSI14, Van06, VMGM15, VKJ19, VJK21, WSH+16, WSJP17, WSH+18, WMP+06, WVBR+21, WBGB16, XWM+20, XZZ+11, XYJ13, YSR17, YJR17, YSW+20, YXHH21, YCL+15, YL10]. Model-based
[WBG+16, KNC+08]. model-driven
[XZZ+11]. model-guided
[YSW+20, YXFH21]. Model-reduced
[LMH+15]. Modeling
[AMZ99, BCX95, BCV+15, BR94, BSEH18, CXGS02, CFW13, CBKM15, FKS+04, GLL+16, GJB+20, HM92, HXN+18, Iza18, KK09, Kla87, LBJK09, LDS+11, LP17, LZZ+21, MTB+13, NY94, OCH+16, PBCF93, RSHH18a, Ree83, RFL+05, TDM+14, TWL+05, TB87, WZ+08b, WZT+08a, WMB21, WOQS05, WYY+10, ZWW+18, ZYM+20, AAL16, AZB09, AGP+20, ASF+13, BAS14, BB17, BMK+18, BBO+09, BWS10, BGD+12, BK04, BWP13, BRB+19, CWW+12, CLS+15, CSW+16, CK10, CKGK11, CEW+08, CNX+08, CLW+14, CZL+15a, DP13, DJBBDT13, DZ08, DTP11, DJZC21, DSC+20, EBJ+06, FSL+15, GHP+08, GIZ09, GRB+18, KGT+13, GTR+06, GCH+19, HGY17, HPSZ11, HSTP11, HMG03, HM21, IKKP17, IYYI14, JT09, JGGN15, KBD07, KW11, KMP07, KN02, KYC+17, KKYW13, LF02, LLR08, LCXS09, Lee05, LT06, LST09, LT09, LPL+17, LPL+18, LPBM20, LPW+06,
MHS+19, MWAM05, MPH+15, MWH+06. Modeling [MZWW07, NKA08, NFD07, NJF02, OBH02, ODAO15, PPZ+11, PCL+12, PH08, PKK03, PKZ04, PLKD18, QTZ+06, RS98, RMGH15, RDI10, RTA17, SZK15, SSTP15, SM15, SXZ+12, SLR+16, SSS+04, SSS+08, SSK+17, TAV+10, TSNI10, TGY+09, TLL+11, TZW+07, TFX+08, TS08, TPT16, TM14, UKIG11, VBG+13, VABW09, VKB05, VBP+18, WTL+06a, WLZ+09, WOR11, WWY+15, WMB19, WYL+20, WSP21, WC10, WOD09, cWP03, WYD+14, WWL+19, XFT+08, XZF+09, XGC07, XZZ+11, XLX+16, YTJR15, YCYW20, YKJM12, ZSCS04, ZCW+17, ZQCL19, ZXS+12]. Modellingless [MIW18]. Modelling [TO02, ABL+21, DYY16, LPC+11, vdHDT+07]. Models [EST+20, GDAB+17a, Gre86, KSS+15, KH17a, NON85, PM18, Rocz98, SCB87, VRR4, VJ19, WLX+18, ASK+12, AAR05, BJ05, BLS+21, BPK05, BGB+05, CCA+12, CGG+04, CD+02, gDPDR02, DS15, DAB15, DSP06, DLSCS08, DIP+18, ESK16, FGBP11, FH10, FMK+03, GDAB+17b, GGGG+13, GBFP11, GM05, GAB20, GKJ+05, HBLM11, HMC11, ISF07, JHY+14, JF04, JU04, JZ07, KIL+16, KMM+02, KGFF14, KGS+18, KSES14, KWN+17, KOY+11, KLM+12, KS04b, KSSCO08, KH17b, LAJJ14, LOM11, LDPS84, LRA+07, LSH+10, LHLF15, LSS81, LKYU12, LBRM12, MCC09, NKJF09, NGDA+16, NCVMO05, ONO04, PHL+09, PBOB9, PBSB13, PNDN12, PSK+12, PNH+14, PJH+17, RID10, SXZ+17, SLF+11, SILN11, SHOW02, SSBD03, SWR+21, SSG+06, TLK09, TK14, TDM11, TREO16, TCL21, VDGA+12, VPBP05, VKS+15, WOR11, WMC11, WHL+13, XLF+11, XWY+09, XCF+13, ZRLK07, ZL+15, ZMBS11, ZLB16b]. Models-Past [EST+20]. Modified [LEV06, LSSW19]. modifying [DMF15]. Modular [LHK+20, LAM+11, WST09, ZHRB13, FH11, GMP+16, HFH+17, JBG+14, LLMZ16, XBNZ19]. Modulation [JJJ+21, ZF03]. MoGlow [HAB20]. moiré [HC04, CH14]. Molding [MPBC16]. molds [AMG+18, AMG+19, NAI+18]. Moment [BWBH14, PKH15]. Moments [GOMP98, PMHD19]. Momentum [KH17a, KH17b, MZS09, CKMR+21, KUJH21]. Momentum-conserving [CKMR+21]. Momentum-Mapped [KH17a, KH17b]. Monitor [LR09, LR91]. Monocular [GZC+16, HXZ+19, RKS+14, SAA+21, XCZ+18, GVWT13, GZW+16, MGC+19, SWT14, SGX20, SGX+21, WMB+20, WZ01, WBGB16]. Monolith [TB20]. Monolithic [TB20, VLD+13]. Mononizing [HXFW20]. MonoPerfCap [XCZ+18]. monotone [LVS+13]. Monster [DSC+20]. Montage [CCT+09, LYGC15]. Monte [JM12, AW20, ALLD17, BAVL19, CKS+17, CHY21, DMB+14, GLA+19, GHZ18, HET+14, HRV+18, IMF+21, KBS15, LAD18, MC99, OKH+17, PSC+15, RAM12, RMGH15, SHH17, SD12, SWZ96, SH17, ZSGJ21, ZDD21]. Mood [CB05]. Morfit [YHZ+14]. Morphable [EST+20, JCP+10, MZD05]. Morphing [LLN+14, SG01, AMZ99, ZWGS02]. morphogenesis [PNDN12]. morphologies [HRE+08]. morphology [CB14]. morphs [RV11]. morsse [FBT+18, NGH04]. Morse-Parameterization [FBT+18]. mosaics [BA83, KP02, RAKRF08]. MosH [LMB14]. motifs [ACOH+18]. Motion [AJM12, AFO03, ACOYL80, AOF+95, DKD+17a, GXY+17a, HTCH15, JTCCW07, KDR+16, KGP02, LCL06, LWB+10, LSC+08, LWS02, LTF+05, MWZ09, MC12, PSE03, PKC+16, PB02, SAA+21, SPS+11, TZX+11, TBWP04, WFS+09, WLSL10, WF96, XZS+12, AJ502, AWL+19, ALL+20, AWL+20, AXR09, AF02, AR06, ACOH+18, BHR13, BBR+21, BSS+13, BBA+07].
Motion [XJ96, MMH+99, SG17, CLC+20, CPMK21, CC19, DER+10, FCOS05, HFG+18, LDS+11, LCORL07, SMW06, WJL+20, ZCT+21], moving-least-squares [WJL+20]. MoXi [CT05]. MPEG [MEM06]. MPI [LK20]. MPM [FQL+20, SSJ+14, SXH+21, WLF+20, WFL+19]. Multi [Ang17, BMHK+18, BBA+07, CQD+18, DXZ+19, GSMD07, GWB05, HNH19, HHC18, KL17a, KL17b, Kim10, KHH+17, KIM+19, LSA+16, MEM+19, MP+15, OBA+03, PGZ+19, PO18, RGB16, RSH05b, RSA09, SM17a, SGD21, SJMP10, TGK+17, TFBW+10, TFD+18, WOR10, Wei10, XZJ+12, AAC+06, ASL+17, BNK10, BDW13, CTH+14, DWB+18, DE05, DJ05, FZBR16, FZZ+20, FFLS08, FMB+17, FBGZ18, GPCP13, GHZ+20, GP09, HSB+12, HG14, HDD+16, HR+17, HZC17, KHKL09, Kou16, KMX+21, LWH+11, LLL18, LTT+20, LTJ18, LMR+15, MHS+19b, NMD+17, NOP+18, NAB+15, ODA05, Par17, PLW+07, RFP+04, RP03, SM17b, SBK+18, SSKY08, SSS+18, XCT+15, SARW+15, SZKZ20, TA+H04, VSL13, VBCG10, VWRKM13, VBMP08, VPB+09b, WWS+05, WQS+20, WLO+14, XGDE+19, XLS+11, XL+16, YCL+17, dAST+08].


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-level [OBA⁺03, RSH05b, DE05]. multi-light [FAR07]. multi-material [SARW⁺15, VWRKM13, YCL⁺17].
Multi-modal [SGD21]. multi-object [FZBR16, Par17]. multi-objective [LLL18].
Multi-operator [RSA09]. Multi-Order [FZBR16, Par17]. multi-objective [LLL18].
Multi-resolution [WOR10, HSB⁺12, KMX⁺21, VBCG10]. Multi-scale [Ang17, BBA⁺07, CQD⁺18, LSA⁺16, MPH⁺15, RGB16, SJMP10, XZJ⁺12, ASL⁺17, FFLS08, FMB⁺17, FBGZ18, MHS⁺19b, VSLD13]. Multi-Source [SM17a, SM17b]. Multi-species [TGK⁺17].
multi-touch [RP09]. Multi-View [HNH19, HHC18, PGZ⁺19, Kou16, LTJ18, NMD⁺17, NOP⁺18, ODA05, VBM08, VPB⁺09b, XLS⁺11, XLX⁺16, dAST⁺08].
multi-viewpoint [AAC⁺06]. Multibody [MHNT15, PAK⁺19, Er07, KJS08, LT08, TJ07]. multicopter [DSZ⁺16].
Multidimensional [HJW⁺08, HH90, RO85, RO87, WABG06, GM09]. MultiFab [SARW⁺15]. MultiFLIP [BB12].
Multiple [EPO91, HDD16, HCS6, Joe89, KF93, LSSF06, NID20, RLY⁺14, XH18, AWGB04, APS⁺14, FG11, KGB⁺09, KVG⁺19, LJJ⁺18, MYRD14, MM06, MWM08, PBS04, RMW20, RRL21, SDIN18, WTL05, WSS⁺14, WYL⁺20, WQOS05, WSJT13, WMW15, YCR⁺15, ZYW08].
Multiple-Fluid [RLY⁺14, RRL21, YCR⁺15].
Multiple-knot [Joe89]. Multiple-scattering [HHD16].
Multiplexed [HKD14, LLW⁺08, NZV⁺11, RND⁺07, WGT⁺05]. multipole [STZ⁺14].
Multiprocessor [GHCC88].
Multiresolution [JP03, LDW97, VR94, dFP95, BMBZ02, BA83, CGG⁺04, DHW⁺11, GM05, KN02, KS98, Lee05].
Multiscale [CSD21, 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 [DRC⁺15, GFT⁺11, HKC⁺18, KN06, KDW⁺17, LSSF06, NID20, RLY⁺14].

Naive [Mor11]. nanoscale [AHB18].
narration [JMD⁺17]. narratives [CM10].
Narrow [LHZ⁺18, ABO16]. Narrow-band
[LHZ+18]. Natural [JMA06, KAEE20, SJ94, SGWJ18, WTBS07a, BAC+06, KHD14, Pel10, REP+05, ZMSS18].
Navigating [LS00, SSC19a]. navigation [CDSHD13, KC19, SAZK06].
NC [HA92]. NDFs [RBSM19]. Near [ALK+17, BHR13, HGM14, KKN+13, LL13, LLH04, SHL+17, TLP07, BGL20, CAJ09, CTS+20, HCW15, JBM+17, JLL18, KPM+17, MGK17, XNY+16, YJR17, YL08].
Near-exhaustive [KKN+13]. Near-field [BGL20, XNY+16].
near-rigid [CAJ09]. near-unactuated [YL08]. nearest [MSDL17]. neck [LT06].
need [KRF+18]. needed [Nai98]. needle [CAR+09]. neighborhood [Man86].
Neighboring [LLK+19]. Neo [SDK18].
Neo-Hookean [SDK18]. Nested [SVJ15, LH04].
Nesterov [MHNT15]. net [YHC0Z18, YHC0Z18, HXC+20]. NETRA [PMOR10]. Nets [BC18, RHSH18a, WF96, AW21, RHSH18b].
network [DAD+18, GLA+19, GLT+21, GLZ+21, GLZ+21, HFP+19, BK20, PYB+16, PGZ+19, TVLF20, WVL+19, Xia21].
Networks [GZC15, HLC+18, TSLP14, YZW+16, ALL+20, Ada21, AML18, BVM+17, BB15, FvKBC016, GSV+17, GDG+17, HKS17, HYZ+18, HWG14, KMM+17a, LDPT17, LZT+19, MGA+17, MLL+21, PLS+15, PO18, RDL+15, SED16, SSISI16, WLG+17, WLV+19, XCS+14, ZCT+16, ZSKS18, ZZCJ13].
NeuMIP [KMX+21]. Neural [ALS+18, CPW21, GSNR21, GZC15, LZX+19, LSS+19, MMR+19, MRKN20, PSN20, PCPW20, SGX+21, SZZK21, YZW+16, YFFA21, ZFT+21, ZBW+20, ZBX+21, AAL16, AML18, BB15, BMSR20, CAD+21, CWZ+21, CGD+20, HKS17, HYZ+18, IMF+21, KMM+17a, KAGS20, KMX+21, LDPT17, LPL+18, LAH+21, LSS+21, LCD+20b, MKZ+21, MGA+17, MLL+21, MBPY+18, MPH+20, MTA+20, MRN21, PO18, RDL+15, SED16, TZN19, WLG+17, Xia21, ZKZ+20, ZSN18, ZLY+21, ZYSK21, ZXS+21].
neuromuscular [LT06]. NeuroSkinning [LZT+19]. never [DFW20]. newton [LBB17b, BDDCA11, LBB17a, MEM+19, ZKB18].
Newtonian [ZLQF15]. next [LZHJ20]. nicely [DH96]. night [WM14].
no [LWC+13, PSA+04, SLV+13]. no-flash [PSA+04]. no-reference [LWC+13]. nodal [Dav20]. node [MBF04]. Noise [CTW09, MEA+18, QHC17b, YLC+20, APC+16, AW20, BHN07, CZJ12, CGW+13, CD05, EMU15, Fat11, GLD12, GSV+14, GZD08, KTT13, HSD13, JZW+15, KTBV16, KBS15, KPD11, KCO0L06, LLDD09, LD11, LWSF10, McC99, ODJ04, Per02, QHC17a, SD12, SZG+13, TEZ+19, WYL+14, Wei10, ZHW11, dGBOD12].
noise-aware [EMU15]. Noise-Resilient [YLC+20]. noisy [YSQ07]. Non [BSN16, DMZ+17, HLS11, HOZ+19, IH20, JDD03, JHR+15, KSSCO08, MEM+19, KQSS05, MHR+16, NNAH03, RTF+04, SSW+13, ZSW+10, ZZW+18, AII+08, BBO+09, BRM+18, BHW16, BR07, CCA+12, CSHH21, CADS09, CWW+20, DMIF15, FZL+15, FLG19, FQL+20, FAW19, HSB+12, HRV+18, KP11a, LBD+06, LFS16, LWO19, MKZ+21, NMR03, PPTSH14, PRL+16, RC0L19, RKZ21, VJ21, WW11, XSH+20, YSSQ08, ZLQF15, ZSN18].
non-assembly [CCA+12]. non-blind [YSQ07]. non-equilibrated [FLG19].
non-exponential [BRM+18, VJK21]. Non-homogeneous [KSSCO08, FAW19].
Non-invasive [NHAH03]. Non-iterative [JDD03]. Non-line-of-sight [HOZ+19].
IH20, CSHH21, CWK+20, LWO19.

Non-Linear [DMZ+17, MHR+16, BBO+09, HSB+12, NRH03, PLR+16]. Non-local [ZSW+10, DMIF15, RKZ12]. Non-manifold [MAS15]. non-Newtonian [ZLQF15].

non-orthogonal [PPTSH14].


non-reflecting [BH16]. Non-rigid [HSGL11, BR07, ZNI+19]. Non-smooth [MEM+19]. Non-stationary [ZSB+18, AIH+08, RC09].

non-uniform [CADS09, LFS16, WW11].

non-uniformly [HRV+18]. nonconforming [EB08]. Nonconstant [GBF03, BDD11]. nondiffuse [WS99].

nondissipative [SK05a].

nonhomogeneous [GMP09]. Nonlinear [CWC11, FMR20, HMG03, LHW+10, VTSS15, XSZB15, ZB94, CA09, CPWAP08, CQ+18, FQL+20, KJD09, LHP05, MLPP09, PMS12, SY+21, THT20, VMT09]. nonlinearity [KTS+14]. nonminimal [ABJN85].

Nonparametric [Hob90].


Nonsmooth [SRH+15, BDCDA11].

Nonuniform [BSB16, BS17, MFR+10] norm [TK14]. normal [FSK04, HSRG07, RMS10b, SHHD17, TWB003, VWW7, WFL+15, WLT16, WTBS07b, WST08b, YHH+14, YHMR16].

normal-mapped [YHJ+14]. normalising [HAB20]. Normalizing [AZM21].

Normals [HOZ+19, BJTK18, ILCZ08, NLW+16, NRDR05]. Notebook [Ols88].


Number [RvE93, GLD+19]. numbers [BDS+18, JKH13, LRH+13, QJ21, RAD12].

Numeric [EC93]. Numerical [CWC11, KMOD09, OF01, CZX14]. CLMK17, Jia21, KW03, SAJ21, XSH+20].

Numerically [CCW93, Hob91]. NURB [LC96]. NURBS [CADS09, GBK05, MRF06, SFL+08, TQ94].

NURCCs [SZBN03]. Nyström [WDT+09].

O [ASF+13, WL+17, WSLT18]. O-CNN [WL+17, WSLT18]. O-snap [ASF+13].

Obama [SSKS17]. Object [ABJN85, BC02, Bar86, KSH+14, LXS+18, PKH+17a, SB93, YYW12b, YSHWS16, ZTT+21, BWSS09, BSL12, BdSP09, DF88, FZBR16, FR+12, FCW+17, HY+18, HW+18, KSES14, KPH18, LD05, LSS05, MYW15, Par17, PKH+17b, SHH99, TK14, XZZ+11, XHS+15, XZ+16, YLNP12, YHL+18, ZBYX19, ZYSK21, ZQPM12].

Object-aware [LXS+18]. Object-based [BC02]. Object-Oriented [Bar86, SB93].

Object-space [YYW12b]. objective [GTT17, LLL18, Rus19]. objectives [WHDK12].

Objects [CSAP21, Kaj83, KK91, MPB17a, RH04, Ree83, vW84, AL08, BBWSH14, BBO91, BVG11, CZS+13, CMT+12, CNR08, Dav20, DCD15, DLL+18, EHA12, FCODS08, GLL+04, GOMP98, GMB17, HSvTP12, HK10b, HvK+16, HFG+06, IM10, IZT+07, ICG17, JTRS12, JP03, KHF11, KUJH21, KRD+12, KLY+14, LNW03, LSZ+14, LWL+20, MZL+17, M1P+18, MPB17b, NLGK18, OHR14, PLR+16, SvtSH14, SY05, SSM15, SOA11, SDW+16, SVB+12, SBK11, SM06, SXS+08, TISM16, VA88, WTL05, WTL06b, WWY+13, WWY+15, WKHA18, WW13, WZA+18, YTBK11, ZIT+18, ZIT+19, ZBYX19, ZCT+21, ZSMS14, vTSSH13]. oblivious [MBK+10, YLPM05].
Obscuring [HRvdP04]. observations [SCHR15]. obstacles [AB016]. obstruction [XRLF15]. obstruction-free [XRLF15]. Occluded [KZSR16, WC07]. Occluders [HOZ+19, EHDR11, GRBN09, LRAT08]. Occlusion [MJMG18, EDR11, HK18b, KE18, PFHA10]. Occlusion-Aware [MJMG18, HK18b, KE18]. OCEAN [DKD+17a, DKB+17b]. Octahedral [SVB17a, ZVC+20, LNC+28, SVB17b]. Octree [BD02a, AB20, GWAB19, LGF04, PK05, VA88, WLG+17]. octree-based [WLG+17]. octree-represented [VA88]. Octrees [BN90, WV92, ABJN85]. Occlusive [KAW20]. off [MHH+17]. off-the-shelf [MHH+17]. offs [LDS+02, SWC+18]. offset [HLR+14, MAB+15]. offsets [Far89]. Offsite [ZXH+20]. Omni [MUB15]. omni-directional [MUB15]. Omnistereoscopic [SBSH18]. On-line [VKS+14, PSBM07]. On-set [WSVT13]. on-surface [RTD+10]. On-the-Fly [DNZ+17b, VSDL13, DNZ+17a, LYYB13, RTS+07]. on [HA18]. One [OF01, JLF+09]. One-Dimensional [OF01]. one-to-many [JLF+09]. Online [BGV11, BW13, HET+14, HRL15, HLM+18, HMM+21, TTR+17, ZXTX15, KJ09, RMBB+13, STJ+17, VKK18, YGH+17, ZZXX21]. Only [APCO21, DHB+16, FBC18, HM20, LZF10]. Opacity [GRT13, MPN+02]. opaque [SOA11]. open [MRA+13, YYY+12a]. OpenFab [VWRKM13]. Opening [SKS20]. OpenSurfaces [BUSB13]. operated [Ros20]. Operation [BN90, JCG+21]. operations [AD03, HSB+12, IM10, KH08, LZW10, Man86]. Operator [AOCBC15, BDK+16, LKG+03b, RSA09]. Operators [EC93, ACSR12, AML18, Be18, KW03, LCTS05, LJO19, MBW02]. Opponent [SCB87]. Opt [DMZ+17]. OptCuts [LKK+18]. Optical [OK10, PRM14, SRS19, CII+21, HLM+18, Hol18, HLM20, HLBR12, JMB+20, LJM+16, MLY+19, SGM12, WdV+17]. Optically [Ste20, SZD+20]. Optics [TMM+21, Fre16, IGP+17, LGX+13, NYY+04, SDP+18, WFDH18, XWM+20, YHW+18]. Optimal [AHL+17a, AHL+17b, BLGD+16, GYNB18, KVG+19, LM20, NAB+15, SW18, SCS18, SV19, WP09a, YL10, BDSP09, BPC16, BC19, FAB+18, HPC21, JKT+15, KCP+13, LCC+18, LWS+02, MGS+21, MCH+87, SM+17, NVR+15, SH07, SdGP+15, TLP07, WPP14, WJ19, XSR+18, ZLWH+16, dGBD+12]. optimality [BCG05]. optimised [DFM13]. Optimization [ASF+13, DMZ+17, HNN+19, JYLM19, LCD+19, TMM+21, WLF+20, ZSCM+17b, BZCC10, BKR+17, BOFN18, CH17, CMG+11, COS+19, DWS+20, FH04b, GWW+18, GQ+18, GRT+13, HFF+16, HDN+16, HMG+03, HZH+12, JTSW17, KSN+17, KGL+16, KSS+17, KEB+05, LDP+18, LZ14, LLW+04, LW12, LHD+14, LLMZ+12, LWM+17, LKN+18, LGL+19, LHP+05, LXY+16, LW18, HZH+18, LSUT15, MMLW15, MTP+12, MWTK+13, MAB+15, MHR+16, NRE+21, PLO+17, PPD+18, PTH+17, RKAP+12, SXZ+17, SGB18, SZT+07, SPSh+17, SGT+15, SLY+08, SDP+18, SHOW+02, SMG+18, SLW+14, TBC+16, TWAD+09, YYY+19, TWZ+20, UKS+14, WSL+11, WSW+12, XWW+14, YLYW18, YCL+15, YTH+11, YTY+12, ZCLJ+20, ZZZX21, ZK+14, ZSCM+17a, ZBK+18]. Optimization-based [ASF+13, JYLM19, FH04b, GPD+18]. optimize [AMA+19]. Optimized [DZPZ09, WTS+18, WdV21, HL+16, LKM+16, MWBR13, MMDG+11, OHB+11, SLW+07, WLSL+10, XUC+14, ZXKL+20]. Optimizing [AW+21, AKJ+08, CA+09, GSH+18, HSWG+13, HH10, KSS+21, KKW+20, TTP+18, WFT+09].

PH03, TPP | CLW16, MZ12, MPZ14, PTSZ11,
PH03, TPP+11, WZ14. Parametrizations
[BHN98, PU06]. Pareto [LDS02, MGS+21].
Pareto-optimal [LDS02], Paris [DSG+12].
Parquetry [WHH20]. Parsing
[BGK+13, CZL+14, FNO89, ZXXZ09]. Part
[HKC+18, BJD+12, HLV+17c, KLM+13,
SFCH12, XLZ+10, YHL+18, Gol84].
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+16, JDSZ08,
NGD+06, NNDJ12, NSJ14, YIC+10, ZY21].
Particle
[Ree03, ZGW+13, APKG07, CLC+20,
FOA03, FGG+17, GPH+18, HRL15, JSS+15,
LAD08, MMCK14, MBT+15, NFD07,
RXL21, SRF05, SG11, WDK+21, WAK20,
XIAP+17, YCL+17, YT13, ZLB16a].
Particle-based
[ZGW+13, LAD08, MBT+15, YT13].
particle-in-cell [FGG+17, JSS+15].
particle-laden [GPH+18]. particles
[MC11, PTC+10, WJL+20, YHK07,
dGWH+15]. partition [ACA+19, OBA+03].
partitioned [ANZS18]. partitioning
[LBMR12, SHFH11, YCL+15]. parts
[LOMI11, LBMR12, YSL+14]. party
[EML+18]. pass [CCOST05]. passive
[BHB+11, BHPS10, CB04, DRW+14,
FRSL08, HMT+15]. Past [EST+20]. paste
[BBMBZ02, LS05, LvBK+10]. pasting
[JSTS06]. Patch
[BJR17, KSB+13, LLX+01, XLY09,
BZL+15, CWL12, DSB+12, FPBCO20,
HZW+13, SKY+12, WSLT18]. Patch-based
[BJR17, KSB+13, LLX+01, XLY09, CWL12,
DSB+12, HZW+13, SKY+12, WSLT18].
patch-level [FPBCO20]. Patches [BCX95,
GPSZ11, LCL06, LS08, LSNC09, SKSY08].
Patching [Pet01]. PatchMatch [BSFG09].
PatchNet [HZW+13]. PatchTable
[BZL+15]. PATEX [GBLM16]. Path
[BYRN17a, CA00, CFS+18, FHL+18,
GIF+18, HZE+19, JRSS21, KIM+19, NID20,
PCS+20, SNM+13, VSJ21, WHY20, ZYZ21,
ZD20, BPE17, BYRN17b, CRS+16, CHY21,
CTE05, FZBR16, HJ11a, HPJ12, HR13,
KHD14, KMA+15, KB12, LHZ16, MGH+09,
MKD+16, MG19, MNNK21, PVG19,
SHHD17, SMGH18, ZXY+20, XZS+21].
path-based [MHM+09]. Path-Space
[BYRN17a, SNM+13, ZYZ21, BYRN17b].
path-traced [HR13]. Path-Tracing
[CFS+18, KIM+19]. pathfinding [SMC21].
Paths [HA92, NID20, KGH+14, LYT13,
RJHD18, SC20, SGSS08, VSJ21]. Pattern
[BWKS11, YCZ11, BS+16, DFW20,
GBLM16, LRFH13, POB09, PH15b,
RGF+20, SCA02, SNW21, Wani18a, WSH19,
YWVW13]. Pattern-aware [BWKS11].
Pattern-guided [YCZ11]. Patterns
[Ros20, AHD15, BSK+13, BS+07,
CLQW08, DEM96, DLL+15, HHI+21,
HE03, HSF07, JTV+15, KS04a, KWL+21,
KSS06, KRD+12, KCP15, LWS+18,
LBW+14, LZH+17, MV21, PWP18, PHD+10,
RFL+05, SP16, VMW17, YBY+13, ZJL14].
PCH [YXH14]. PCU [HAM07]. PDE
[UBW99]. PDF [HSB+12]. pearlescent
[GMG+20]. peeling [LZF+19]. Pen
[And83, KBNH12]. pen-and-ink [KBNH12].
Penalty [GA20, TMOT12]. Pendulum
[KH17a, KH17b]. penetration
[JTL+12, PZM13, TK14]. people
[ASK+05, CGL+08, JMB+14, Lau18,
LCD+20b, WKHA18]. per-frame
[WHSL11]. per-pixel [BM05]. per-triangle
[SOA11]. perceived [HCOB10]. perceiving
[HMO12]. Perception
[CAD19, DSJ+21, HDS+18, MKM04,
OD01, PLKD18, RB08, VRC+13, BOD+13,
CGZ08, KWK09, KKW20, MBB12,
SCW+21, VLD07, ZAJ+15, MLB+08].
Perception-aware [PLKD18].
perception-based [CGZ08].
Perception-driven [HDS+18]. Perception-motivated [MKMS04].
perceptions [SN17]. Perceptual [DKD+17a, FRS19, HOKP16, MS05, RP03, SLF+11, SFWGO4, TGD04, TGZ18, UHT17, ZLP+15, DRE+11, DKD+17b, GSCO12, KKKW21, LKS15, PLR+16, SMD+15, WAKB09, YI17]. perceptual-based [YI17].

Perceptually [DPF03, HTER04, MS05, RP03, SLF+11, SFWGO4, TGD04, TGZ18, UHT17, ZLP+15, DRE+11, DKD+17b, GSCO12, KKKW21, LKS15, PLR+16, SMD+15, WAKB09, YI17]. perceptually-driven [DPF03, KYS].

Perceptually-guided [SHK+17], perceptually-supported [SFLM04].

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

PERFORM [DKD+17a, DKD+17b].

Performance [CM83, CH05, FJ14, HXZ+15, HTCH15, IWZL09, Tsa15, VMKK00, WGT+05, XCL+18, dAST+08, BHB+11, BBB+14, BHP10, CBZB15, DKD+16, DDF17, DK99, HFF+17, HCTW11, KKS18, LHK+20, LTO+15, MJ1+08, MBPY+18, MPH+20, PTMD07, SN17, SDO+04, VVB+12, VLD+13, WBLP11, WJ+05, WGP+10, WSVT13, XCLL14, ZZGB19].

Performance-based [IWZL09, WBLP11], performances
[SWTC14, TDL+18, XLS+11, Zho18].

performative [BJS+08], performed [SP05]. Performing [NN90, WGH21].

Periodic [RLL+06, HHV+21, LWS+18, TZCT20].

Peripheral [WWH04]. Permission [ZG02].

Person [ASN+20, KCS14, LMR+15, GRH+12]. Personal [JMAK10]. personalities [ZCL+18]. Personality [DKD+17a, SGD21, DKD+17b, SN17],

personalization [TTR+17]. Personalized [GZC+16, WMB21, KIL+16]. Perspective [CPW21, FSGF16, LSC+12, SD02, CAA10, GB08a, HIJ11b, KHH+11, LGQ+08, SBK11, VRC+13]. Perspective-aware [FSGF16, LSC+12]. Perturbation [CA00, ZJZ+18]. PH [PEVBC21]. PH-CPF [PEVBC21]. Phace [IKKP17]. Phase [HKS17, WRF13, BRB12, CTS+20, FKN17, GSV+14, GXZ+13, Kim10, SSJ+14, SXH+21, YCL+17]. Phase-based

phone [WGJ+18]. phones [AMS03, SLL19].

Phong [BA08, Jam20, VWJ]. Photo [HHX+18, KO14, LHE+07, SSS06, XZZ+11, YZW+16, ZZZ+21, BSP+19, BLDA+11, CLY18, CLS+15, CFL+15, CYW+16, CZS+13, G18, GSC+15, G10, HSG13, HEH05, JMAK10, KOF13, KNC+08, LBP+12, OF+12, SPD13, SSS+08].

Photo-inspired [XZZ+11].

Photo2clipart [FLB17]. PhotoApp [RTD+21]. photobios [KSS11].

photobooth [PK+08]. photogrammetric [TT09]. photograph [FH04a, FSH+06, KSES14, KNC+08, LPDT17].

Photographic [RSSF02, BP+06, BPB13].

Photographing [AAC+06]. photographs [BKP+08, DO+12, GCD+20, HE07, KHHF11, KGFF14, RMD04, RPS+07].

Photography [LH20, AJD+10, ARNL05, BP+13, BYL20, CZN10, ED04, GSM07, HSG+16, HASK17, HK18a, ITM+14, HHK11, KF09, KS11, LSC+08, LLW+08, MKZ+21, MWBR13, MPN+02, MCE+17, NLG18, Ng05, PSA+04, RAT06, RAW08, SCG+05, VRA+07, VWJ+13, XRL15].

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

photomontage [ADA+04]. Photon [DJBB19, GRS+17a, BJ17, Dee05, GRS+17b, GHV+18, HOJ08, HJ09, HJ110, HJ11a, JNSJ11, JNT+11, KD13a, KZ11, LLZ+20,
LOW18, MM06, QSH⁺15, SJ13, ZXS⁺21]. photonic [HHGH13]. Photorealistic [GN06, POB09, Tsai15, KP11a, PRFS18, RTD⁺21, RTF⁺04]. Photos [AECO15, FSGF16, MBGS15, SGSS08]. photosensing [RBvB⁺04, RN⁺d07].

Photoshape [PRFS18]. PhysCap [SGXT20]. Physical [BSL⁺16, BKS⁺12, CSvRV18, HFM⁺10, KKKK⁺16, RLR⁺21, YYY⁺19, BBG⁺13, LBDF13, MIW16, PPM⁺18, SGX⁺21, SY21, SWK16, WW13].

Physically [HMS05, HESL11, LCT19, NJF02, SML⁺12, WLZ⁺09, WMC11, WDR11, YTJR15, BP08, FP03, GS04, LSV18, MWRD13, MPP11, ODGK03, RYL13, SHP04, SNM⁺13, SGXT20, SH08, TK05, UMI12, WC10, WGH20, WHB21]. Physically-accurate [YTJR15]. Physically-based [HMS05, HESL11, LCT19, SML⁺12, WDR11, GS04, MWRD13, SNM⁺13, TK05].

Physics [BSK⁺16, BFV17b, CYFW14, DLK18, EHSN20, GB13, HHC⁺19, KGBS11, LYY16, LH17a, WTGT10, YPA⁺18, AVF17, CBvdP09, HMT⁺12, IKKP17, JLI11a, KIL⁺16, KPMP⁺17, LHP05, LH17b, MMCK14, MTM16, MdLH10, PDZ⁺18, PAlvdP18, PMA⁺21, SWR⁺21, YRPF09, ZZMC13]. Physics-Based [BFV17b, LYY16, LH17a, EHSN20, GB13, HHC⁺19, AVF17, CBvdP09, IKKP17, JLI11a, KIL⁺16, LHP05, LH17b, MdLH10, PAlvdP18, PMA⁺21, SWR⁺21, YRPF09, ZZMC13].


Physiological [MIW16]. PIC [NCC⁺20]. PiCam [VLD⁺13]. picker [DK99].


Pockets [HA92]. Point
[AA06, AML18, CB14, CMS95, Erl18, Jan91, MDK+16, NON85, Ozt16, PKG06, RHW94, TFD+18, WX91, WSL+19, WS85, YSB+15, ZHWW12, AHD15, ANHD17, AA09, AK04, ASCO10, BSD09, Che13, CKMR+21, CLSA20, DVS03, DBD16, EKA84, FLGJ19, FQL+20, Fat11, FGW+21, FCOAS03, GTJS17, GWW+18, GAF+10, GGT+04, GHE+18, HRV+18, HFG+18, HLZ+09, HWG+13, HCJ19, JWL+14, KTB07, KTT13, LdPS84, LYO+10, MLR+14, MHZ+21, ÖG12, PPKG03, SSC+13, TZZ09, WPL06, WQS+20, WFL+19, YC21, YHZ+14, YHCOZ18, ZPKG02, MA07].

Point-based
[PKG06, JWL+14, LdPS84, ZPKG02].

Point-Feature [CMS95]. point-location [EKA84]. Point-sampled [AA06, PPKG03]. point-set [AK04]. Point-Visible [WS85].

Points
[Day90, War92, AMCO08, BWG03, BJ17, CADS09, CSPF12, Gos00, JNSJ11, KGH+14, STZ14, WHG+15, XMZ+14, ZK13].

Pointshop [ZPKG02]. Poisson
[BWWM10, CK11, DH06, EDP+11, GM09, JCM09a, KH13, PGB03, SJTS04, Wei08, WSL+14, YW13, YZX+04, YIC+14].

Poisson-Based [YIC+14, YZX+04].

Poisson-disk
[DH06, EDP+11, GM09, YW13].

Poisson-guided [WSL+14]. Polar
[Sei03, KP07, MP09c, SV19]. polarimetric [BJTK18]. Polarization
[LWH+11, RRFG17, MRK+13]. polarized [GCP+10, GFT+11]. policies [CBvdP09].

Policy [Kro82]. Poly [SDG+19].

Poly-Spline [SDG+19]. Polyomino
[HIJS+14, FXBH16, LVS+13, THCM04].

PolyCube [SDG+19]. Polyomino
[HIJS+14, FXBH16, LVS+13, THCM04].

PolyCut [LVS+13]. PolyDepth [JTL+12].

polydisperse [MPG+16]. Polygon
[BYG96, Dun83, Mai92, SG82, WS85, BPK05, IG03, SOS04]. Polygon-Filling
[Dun83]. polygonal
[ACXG09, AW11, ACSD+03, BF08, CGG+04, DP13, HDHN16, Ju04, Pet21, PNDN12, POC05, TLK09, VMW17, WR18].

polygonal-light [HDHN16]. Polygons
[CCW93, FM84, TM84, GH98, HF06, SW85].

Polyhedra
[Pet95, Wil92, BDD11, Hub96, PR97b].

Polyhedral
[BYT+15, MHS18, Nas87, GJTP17, GSC21, KGB+09, Mir98, PKD+19, TSG+14].

Polylines [RS14b]. Polynomial [SB95, BAERD08, CJM21, FGG+17, Gomp98, MJ+08, Msim16, SR97, SR00, SSW+13].

Polynomials [Kla91b, LWM97]. polyomino
[LFL09]. polyominoes [Ost07]. polytopes
[BLTD16]. Polyvector [BS19, DVS15].

Pop [SSY+04, XZM+18, HEH05, LJGH11].

Pop-up [SSY+04, XZM+18, HEH05].

popup [LJGH11]. populated [LHZ+18].

PopUp [LSH+10]. Porous
[LAD08, RXL21, TGK+17]. portal
[GWN+03]. Portrait
[SHS+17, SHS+18, BSM+13, CWW+12, CLS+15, FAC11, FSGF16, SBT+19, TER+20, TTT+18, WYL+20, WYXJ21].

portraits
[AECOKC17, KS16, KGT+18, LVS+13, MDKD16, PEL+21, RDT+21, SED16, SPB+14, SLL19, SLL+21, YNS19, ZAE+14].

Pose [EM96, TSLP14, XB16, AZB09, ACC05, GWP+19, HKA+18, HOM15, KAL+17, Liu09, MSS+17, MDB+19, NOP+18, TBC+16, YZX21]. pose-free
[AZB09]. Pose-space [XB16]. poser
[HKH+18, LCCS09]. poses [ZYB19].

posing [BVS16, GCR13]. Position
[GHZ18, MM13, PT17, RMD12, YHM16, ATM+17, LSL+18, Wan15].

Position-based [PTV+17, Wan15].
CJN+17, MYWI15, WLW+19. **Priors** [VR94, ISSI16, LCX09, PMA+21, SKAG15, WSCR18, ZI17, ZXC+18]. **Prism** [BKKGK17]. **Proactive** [YSL+14, XHS+15]. **Probabilistic** [CGK11, FW16, LRFH13, RW94, CLS03, HAB20, KCKK12, KZ11, LCK+14, NKAS08, WLP16]. **Probability** [DLC+15]. **Probable** [DTB06]. **probe** [BSW13, OKR12, LRP+20]. **probes** [SL17]. **Probing** [OIX+14]. **Problem** [DIO+12, HPB07, LW16, OP11, XW09, YWH13]. **Problems** [FM84, Gol84, OF01, CSHD21, HPB07, LW16, OP11, XW09, YWH13]. **Program** [NN90, Spr82]. **Programmable** [GTDS10, LLW+08, LHVT17a, LHVT17b, SSBG10, HAM07, HGG+11, HMG03, KLPCP18, LB05, NJS+11, PTSo15, PBMI02, VAZH+09, VWRK13, WSS05]. **Programmatic** [WPL+21]. **Programming** [BK16, GF82, HMG14, PPV95, Wu92, ZB94, BLPW14, HZG08, HKG11, KABL14, LGA+18, MGAK03, NWYM19, SAMWL11, SFB+09]. **Programs** [AMA+19, HZG09, JBX+20, JCG+21, RMGH15]. **Progressive** [DKHS14, FCOAS03, GD02, HOJ08, HLC+19, JNT+11, KZ11, LDS03, LYNF18, SJZP19, SJ13, VMKK00, YSQ08, HJ09, HJJ10, KDI3a, LJJ3b, LLZ+20, PK05]. **progressively** [ZZV+03]. **progressively-variant** [ZZV+03]. **project** [Ano10, ZIT+19]. **Projected** [And82, YXZ+18]. **Projection** [DGH16, ZN06, ARNL05, DLL+18, GWGB10, HWR14, HSHF10, JBM+17, JTL+12, JSZP10, KYS+15, LFZ10, LC1TE10, MS05, MWI18, ME05, PMA+14, SCT+15, SSW+13, ZBG15a]. **projection-based** [MS05]. **projections** [AYL+12, BML+14, CAO99, KSJP08, MWBR13, MHR+16, SBK11]. **Projective** [BML+14, LBBD20, Path5, WG+13, ZLW+16, BEH18, KUJH21, Wan15, Pat87]. **Projectively** [NY94]. **projector** [BBG+13]. **projector-based** [BBG+13]. **projectors** [RvBB+03, RBvB+04, SGM12]. **prolongation** [LZBC21]. **Proof** [FAER21]. **Propagation** [SM17a, AP08, ACM12, CRS+16, CRG+20, CZT12, Enl07, Fat09b, GJWW14, HR1L, Liu18, MRA+13, MHZ+21, QHY+16, RSM+10a, RS14a, RS18, SM14, SM17b, SMC21, SYJS05, WJJ+13, XLI+09, YMR+13, ZRSM18]. **properties** [AHD15, FC07, NGD+06, ODJ04, SGZ+13, WSM11, ZKB17]. **prosody** [LTK09]. **prosody-driven** [LTK09]. **Protected** [KTL+04]. **prototype** [AWGB04]. **prototypes** [KLY+14, YPB16]. **Provably** [PL14, DML17, YLJ18]. **proxies** [CB17, JSMH12, TYY+19, ZCC+12].
proximal \cite{HDN16, HDN16}. Proximity \cite{SGG06}. Prox
\cite{HXM18, KGL16, MSM11}. Prox-to-Image \cite{HXM18}.
pruning \cite{TMRL14}. psychophysical \cite{AFR07, GRG04}.
psychophysically \cite{FCGH08}. psychophysics \cite{SSC10}.
Pteronomy \cite{UKS14}.
pupil \cite{JBM17, POB09}. pupil-tracked \cite{JBM17}.
PuppetMaster \cite{ZPBC19}. Puppetry \cite{SLGS01, BJS08, SZT07}.
pure \cite{WHY20}.

Purpose [Lev84, PBD10]. Push
\cite{HMO12, LLK15}. Push-recovery \cite{LLK15}.
Pushdown \cite{OLS84}.
Pushing \cite{BAU15}.
PushPull \cite{LWM14}.
Putting [BW13]. puzzle \cite{LFL09}.
puzzles [LVK14, SFC012, SZ15, XLF11].
Pyramid \cite{KSH16, PHK11}.
pyramidal \cite{CLF18, HLZCO14}.
pyramids \cite{FFL11}.

Q \cite{LS00, ABA07, ABJN85, BFK16, SW85}.
Quadrants \cite{CGM91, FNO89, GZ05, Mil87, TGB13}.
quadrqc \cite{CGM91, FNO89, GZ05, Mil87, TGB13}.

Quadrotor \cite{GSH18, JRT15, RH16, XYH18}.
quadruped \cite{LSCC20, ZSKS18}.

Quadrotors [CKJ11]. Quadtrees
\cite{LS00, ABA07, ABJN85, BFK16, SW85}.

Qualitative \cite{HSS13}.
Quality \cite{AAPS16, KKDK12, WSL14, AAP17, AMMS08, ACHS10, BWG03, BGM12, BBR10, BH11, BBN14, CHM12, CBK12, CS00, CLS15, CTW09, CLW14, CJN17, CCA15, CDA14, GBAM11, GT96, HRH13, LWC13, MC21, MKRH11, MHP19, SHD18, SJA08, SFWG04, WAC07, WII12, ZJ17, ZKU04}.

Quality-driven \cite{WSL14}.
QuanTaichi \cite{HLY21}.
quantifying \cite{RPE05}.

Quantitative \cite{CM83, TGZ18}.
Quantization
\cite{Wii92, CCOST05, HRV97, LCBK19, Xia97}.

Quantized \cite{CBK15, DII11, HLY21}.
quantized-diffusion \cite{DII11}.
quantum \cite{BSW02}.

quartet \cite{BSW02}.
Quartic \cite{Joe90b, Pet89}.
Quasi
\cite{LBK17a, LBK17b, TWL13, WS21}, \cite{LBK17b, TWL13}. Quasi-harmonic \cite{WS21}.
quasi-homogeneous \cite{TWL05}.

Quasi-newton \cite{LBK17b, LBK17a, ZKU18}.
quasi-conformal \cite{LKF12}.
quasi-static \cite{SWR21}.
Quaternion \cite{HFK94, KCO00}.

Quacks \cite{MPB17a, BZL15, JHH14, MPB17b}.

QuickETC2 \cite{Nah20}.
quilt \cite{ZHW06}.
quilts \cite{LBD012}.

Rack \cite{TE82}.

radar \cite{LKG16}.
Radial
\cite{WLH13, KNO06, TS06}.
Radiance
\cite{BDT99, HWZ10, JDZ08, MAB18, HW12, JNSJ11, KMM17a, KMM17b, MRNK21, RABG13, SL17, SGS02, SLSS03, SHHS03, SSL05, TS06, WK99, VWB12, LAM11}.
radiance-predicting \cite{KMM17a}.
radiant \cite{SSB03}.

radiative \cite{ABW14, BRM18, JAM10, JAG18, PCS20, ZRB14}.
Radiosity \cite{ACP01, NN95, RT90, DDP99}.

RAIN \cite{GMW16}.
\rain \cite{GN06, LCT19}.

Rainbow \cite{XIAP12}.

rainbows \cite{SMR12}.
raising \cite{CLS85}.

Random \cite{HZG19, NH08}.
PM95, AMA+19, CNX+08, GSV+14, KCYW13, LT20, LSK+06, SD12, ZZZX21.

Random-access [NH08, KCYW13, LSK+06]. random-phase [GSV+14]. Randomized [GF08, BSFG09].

Range [SB95, WS17a, ACP02, ACP03, AMMS08, BJ08, CZ11, DD02b, FKI+14, FLW02, HSG+16, HFI+08, KSB+13, KR17, KUWS03, LSA05, MKR+13, MKMS04, 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 [KLP18, RV93, WWA+16, HFTF15, HFF16, JB02, MGDB05, vdHDT+07].

Rapidly [Fol87, TMRL14, ZIT+19]. RApt [MIMB15]. Raster [Dun83, Lev84, McI92, VN85, WW82].

Rasterization [Hob90, AMS03, FRS19, LAKL11, LHZ16, LLGRK10, PR06].

Rasterizing [Taat94]. Rate [WLF+20, HGF14, HDD+16, KLF+19].

Rates [TDMS16]. ratio [NS14]. Rational [BHN98, Che92, EK98, HB98, KLN91, SG17, War92, AB99, BCW17, CADS09, Gal99, Joe89, ZS00]. raw [LS18]. Ray

[BSN58, GHCC88, KGB+09, Ka83, Lev90, LSCO03, NKK+14, PP94, PBH02, RLU95, SLM+17a, VK+06, WBS07, WHG84, vW84, BDT99, BAM14, DMB+14, DHV+11, EDR11, HJW+08, HQL+10, HZ11, IYY14, KDPN21, LAA+05, LADL18, MBK+10, Mor11, MHC+16, NPP+11, NNDJ12, PHA10, PBD+10, RAWV08, RSH05b, SLM+17, SWF+21, SKC+14, WWB+14, WS99, WSS05, YMR+13, ZRL+08, BK87]. ray-marching [KDPN21].


Re-examination [WC21a]. re-integration [DNZ+17a]. re-meshing [GPW+17].

re-parameterization [DNC15]. re-rendering [MBP+18]. re-simulation [BHR16, KD13b]. reaction [DFW20, RCLM19]. Ready

[LLF+20, ZB13]. Real [ASA+09, ADM+08, BHN98, BJ05, BP08, BZ11, BAOR06, CBZB15, CWW+16, CKH18, CAD+21, CPD07, CM11, DNZ+17b, DLK18, DYN03, DFYL19, EMU15, FKY08, GXY+17a, GXY+17b, HXZ+19, HLC+21, HV04, HRE+08, HDHN16, JTL+12, JKT+15, KSZ+15, KIM+19, LH16, LES10, LTK09, LLX+01, LCH+21, LFTC13, LHLK10, LBK17a, LZH+20, LB06, MP08, MDB+19, MNY+21, MCK13, MRNK21, NMD+17, NZIS13, PZ08, PO08, POC05, RWS+06, RHHL02, SBSH18, SCT+15, SL17, SSSI18b, TDL+18, TZN+15, TZZ+18, TSP14, VRBC18, VTSSH15, WWD+05, WPP07, WP09b, WYM+16, WXYL17, WOG06, WZN+14, ZXTZ15, ZZZ+17, ZZT+21, ZHZZ20, ZHWS08, ZRL+08, ZNI+14, ALY08, BK04, CWLZ13, CHZ14, CCWL18, CH02, CB13, CT05, CHP07, CR08, DNZ+17a, DvGNK99, DLL+18, DHO005, DFZ+17, DKD+16, DFF+17, FYK10, G012, GCB+17, GB08b, HFF18, HMO12, HSW+17, HKA+18, HESL11, JBP+11]. real [JP02, KNS+09, KUH21, KCO06, KRF+18, KAMJ05, LZX11, LXC+15, LBK17b, LNWB03, MMCK14, MHH+17, MBP+18, MP04, MBH12, MS1+17, NSX+18, NOP+18, PRW+18, PCK+08, RMS+10a, RKT+15, RJS0, SHT+08, SGXT20, SJS02, SRN05, TZZ+18, TPT16, TLP06, TS12, VBG+13, WKF+21, WAO+09, WJBK15, WSJP17, WMB+20, XUC+14, YZX21, ZBYX19, dASTH10].

Real-Time [BJ05, DNZ+17b, DLK18,
GXY+17a, HXZ+19, KIM+19, LBK17a, MNV+21, TZS+18, TSLP14, VTSSH15, ZXTZ15, ZZT+21, ASA+09, ADM+08, BP08, BZ11, BAOR06, CBZB15, CWWW+16, CKH17, CAD+21, CPD07, CM11, DYN03, EMU15, FKY08, GXY+17b, HLX+21, HV04, HRE+08, HDHN16, JTL+12, JKT+15, LH16, LST10, LTK09, LLX+01, LCH+21, LFTC13, LHLK10, LZH+20, LB06, MP08, MDB+19, MRNK21, NMD, CKH18, CAD, HFF18, HSW, WAO, PSK, LES10, LTK09, LLX+01, LCH+21, LFTC13, LHLK10, LZH+20, LB06, MP08, MDB+19, MRNK21, NMD+17, NZIS13, PZ08, POC05, RWS+06, RHHL02, SCT+15, SL17, SIII18b, TDL+18, TZN+15, VRBC18, WWD+05, WPP07, WP09b, WYM+16, WXYL17, WOG06, WZN+14, ZZZ+17, ZHHZ20, ZHWG08, ZRL.

realistic-looking [RPC10]. Realistic [HM92, SLST14, SBK11, WW08, CWP03, CQG02, CPWAP08, DFW20, DP03, HRZ+13, JWDL19, RPC+10, SHP04, SQRH+16, WC10, WVBR+21, ZLB16b, CKX+08]. realistic-looking [RPC10]. Reality [AS21, DFYL19, KAW20, MNV+21, TZS+18, ALK+17, AGB+16, BP12, CKX+08, Did18, HK18b, JBM+17, KJS+19, KDMW17, KKW20, LSL+18, LJM+16, MGDB05, MLR+14, MGK17, OEE+18, PSK+16, RRS19, SMG+05, SSRB+17, SMG+20, SWK16, SPW+18, Wan18b]. realization [LJM+16]. reallocation [HSHF10]. really [WKHA18]. Realtime [LYYB13, WSXC16, WBLP11, WXCH15, BWP13, JSP05, WAC07, WZC12, WSS05, ZMZC13]. Reanimating [KHS03]. reasoning [CGK11]. Reassembling [HFG+06, BTFN+08]. rebuilding [MMMB15]. recipes [GSC+15]. Reciprocal [SFG+13, CRG+20, SRL+15]. recognition [CWK+20, LMS13, YMJ+21, ZYL+17]. recoloring [CRA11, CFL+15, DLX+21, TEG18]. Reconciling [SPV+16]. Reconfigurable [SFJ+17, MRK+13]. reconfigurables [GJG16]. reconstruction [WP10]. reconstruct [HKA+18, LXR+18]. reconstructed [RMBB+13]. Reconstructing [GVWT13, KIL+16, LALD12, WGL+18, YT13, LCC+18]. Reconstruct [BL20, CKH18, DNZ+17b, GZC+16, GXY+17a, HNH19, HWZ+20, IIO20, KIM+19, LSSW19, SG82, SHD+14, SAA+21, VMS15, WBF+17a, YLC+20, YSHW16, ZXTZ15, ZZT+21, AKZ+17, ACP03, ASL+17, ASGCO10, BBN+12, BLN+13, BVG11, BBK+15, BNB13, CKS+17, CZ11, CBI13, CHY21, CJNI+17, DNZ+17a, DTB06, DXZ+19, ETH+09, EKD+17, FG14, GZW+16, GKT13, GD04, GXY+17b, HJW+08, HZW12, HVW+18, HLZ+09, HKW15, HZCJ17, KHS03, KHI3, KFWM17, KHL19, KZP+13, KPKZ17, KL12, LDK+18, LAC+11, LSR18, LKG+03a, LAG09, LLZM10, LWC12, LGZ+13, LCOLTE07, LCL+17, LXS+18, LYO+10, LWL+20, McC00, MTM16, MDB+19, MHC+16, NSZ+10, NZIS13, PZ17, PMA+14, RMD04, RKZ11, SS14, STJ+17, SKY+12, SSZCO10, SLS+07, SAL+08, SL17, SMGH18, SSR20, SGDA+10, TZK+11, TBW+12, TVLF20, WBF+17b, WAO+09, WSL13, WSTS08, WBG+16, WQZ+18, XXZ+14, XHS+15, XZY+17, YHZ+14, ZBYX19]. reconstruction [ZZZX21, ZK13, ZK14, ZXR+20, ZXS+21, ZNI+14, ZHCJ15]. reconstructive [MCS15]. recording
[XYXJ12]. relativistic [CLC96]. relativity [WKR99]. relaxation
[DML17, KOOP11, MDK+16, SJ13]. Reliable [MPB17a, PNA+21, BCE+13, MPB17b, Wam16]. Relief [ZTS09, PRZ17, POC05, SVB+12, SKC+14, WDB+07]. Reliefs [AM10]. relight [PEL+21]. relightable [BLS+21, MPH+20]. Relighting
[DRC+15, KE18, MPDW03, WSI7a, ZFT+21, ED04, GCD+20, HPN06, NRH04, NN04, PEL+21, PTD07, PVL+05, PGZ+19, RDL+15, SZC+07, SSB+08, SBS+19, SXX+20, WTL05, WTL06b, WYL+20, WGT+05, WS17b, XSHR18, ZCC16]. Relying [CH14]. remapping [GO17]. Remarks [Las90]. remeshing [AMD02, ACSD+03, ESCK16, KS04b, NS02, PNA+21, PH03, WRK+10]. remote [KTL+04]. Removal [SO92, GOTG05, Mck87]. Remove [GTR15]. Removing [ARNL05, FSH+06, GRBN09, WHDS04]. Render [MBB12]. renderable [LSS+19]. RenderAnts [ZHR+09]. Rendered [OKH+16]. Renderer [BAC+18]. renderers [PGML+19, Sun06]. Rendering [BYG96, BGL20, CFS+18, FH93, GFMS95, Gup18, IH20, JCW09b, JMY+07, KHFH11, KAW+22, LZX+19, LSCS14, LC09, Mal03, MCY14, MNV+21, Pha18, Rap91, SM17a, Ste20, Sun06, TG17b, Tsa15, TB87, VADFW15, WHHY20, YJH+14, YMRD15, YHW+18, YPG01, ALLD17, ATM+17, BWG03, BBPP+10, BLD20, BAG19, BGAM12, BKKL15, Bel18, BOD+13, BFK+16, BST09, BF08, CBCG02, CXGS02, CLS+17, DI11, gDGPR02, DMB+14, DAD+18, Did18, DYN03, DIO+12, DHO005, DWd+08, DPF03, DJf18, ETH+09, EC96, EMF02, FFB+09, GLD+19, GN06, GZB+13, GM55, GGHS03, GTS010, GSBN21, GBAM11, GTR+06, GCH+19, GSO4, HR05, HV04, HKWB09, HRDB16, HPP+18, HMC11, HSW+17, HESL11, HHN+02, HWJ+15, HWH+16, IZT+07, JAM+10, JM12, JdJM14, JMM+14, JB02, KV05, KMM+17a, KE18, KP11a, KHL19, KWN+17, KB12, KTL+04, KLS+13, KKW20]. rendering
[KCYW13, KHLN17, LHK+20, LS02, LES09, LAC+11, LHZ16, LSSS18, LSS+21, LB05, LB06, LH04, LKYU12, LCD+20b, MBPY+18, MYRD14, MPH+20, MPH+15, MIGYM15, MMMG16, MPG+16, NH08, NLMD12, NNDJ12, OL03, OKH+17, ODR09, OEE+18, PZ08, PSK+16, PVG19, PMDH19, RH02, RCL21, RTF+04, RGB16, RM04, RZL+10, REG+09, RKZ12, RJN16, SBDJ13, SM17b, SD12, SHL+17, SSY+04, SKG+12, SKS02, SFWG04, SRNN05, SM06, SR09, TAV+10, TZN19, TG17a, TWL+05, TS12, TGD04, TAKW+19, VRC+13, VT04, WKF+21, WWD+05, WZT+08a, WRG+09, WHY+13, WYM+16, WHY20, WS99, WW08, WVJH17, WYF+10, WZYR19, XMR+11, XCM+14, XWZ+21, YTJZ15, YHM16, YSJR17, YIC+10, ZXXZ09, ZDDZ21, ZY21, ZHRB13, ZWDR16, ZLB16b, ZHHZ20, ZRL+08, ZHR+09, ZBX+21]. rendering-aware [DAD+18]. renderings [BVM+17, FJL+16]. RenderMan [CMS+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, PEL+21, TSL+16, ZYQ+14]. replacing [BKD+08]. replay [VSK12]. repositories [YGH+17]. represent [PMHD19]. Representation
[BN90, DK99, GLL+16, SLM+17a, ABA02, ABJN85, BAS14, BAERD08, Bo84, CBCG02, DF88, DZCJ21, FKY+10, GLRR11, HNB+06, HZW+13, KV05, KHD14,
ZBBB18. **Rig-space** [HMT+12]. **Rigel** [HDD+16]. **rigging** [BP07, BJD+12, LD14, LWP10, XUC+14, ZK+20]. **Right** [McI92].

**Rigid**

[BB14, CMT04, GPB+19, ZJ10, AIA+12, BR07, CAJ09, CZJ12, CBK20, DBB+17, FLS+21, GBF03, GSLF05, HSLG11, HFG+18, IMH05, JTSB16, KEP05, LJ14, LD12, MTP+18, NAI+18, PSE03, RMSG+08, TB20, TK14, Ten20, TBV12, TJ08, VSK+17, WSJP17, WP12, ZBG15b, ZNI+14].

**Rigid-body**

[ZJ10, CZJ12, LJ14, PSE03, WSJP17].

**rigid-fluid** [AIA+12, TB20]. **rigid-rigid** [TB20]. **rigidity** [CCWL18]. **RigMesh** [BJD+12]. **RigNet** [XZK+20]. **Rigs** [GZC+16]. **Ring** [AECO15].

**Ring-Ordering** [AECO15]. **RingIt** [AECO15]. **rings** [PCK+19, WPS14]. **RLE** [HNB+06]. **roadmaps** [CLS03].

**RoboGrammar** [XZK+20]. **Robot** [YLC+20, DXZ+19, XZK+20].

**Robot-Mounted** [YLC+20]. **robotic** [GPD+18, HXK+19, HZH+16, MKN+15, ZPB19]. **Robust** [BFA02, CBvdP09, CPS13, DD02a, FH93, FCOS05, GJTP17, GPW+17, HJ11a, HVTG08, HYNP20, HWZ+14, Hol18, HMLL14, JKSH13, Ju04, Ka14, KJDL09, KBT17, LDK+18, LD14, LAGP09, LPL+18, MLH10, MPZ14, PCL+12, PSBM07, RS14b, SBRBO20, SKY+12, SOH16, VGB+14, XZZ+14, ZWZ+16, ZZMC13, AMCO08, BWSS09, BRB+19, CLSA20, CWTW17, DJBJ19, EBCK13, HPJ12, HSE+19, KSNG17, LBK16, Mi98, MCKM15, RJ07, SHHD17, SLMB05, YLJ18].

**robustly** [DBDB11, TMRL14]. **rod** [KTS+14, MLB16, PTC+15]. **Rodent** [PGML+19]. **rods** [BWR+08, MKB+10, SBRBO20, SJM17].

**role** [GZ+13]. **Rolling** [JGN16, WFL+15]. **Rom** [DB88]. **room** [STXJ15]. **Rooms** [HC86]. **ROSEFusion** [ZZZX21]. **Rotation** [HFK94, Hil87, ACXG09, BN21, CGM11, JBY+19, LH16, LSJC05, NSF12, PBJ15, WJZL08, Xia21]. **rotation-aware** [BN21]. **rotation-invariant** [LSJC05].

**rotation-strain** [PBH15]. **Rotational** [PZ07, SHZ+20, WPP07]. **rotations** [PR97a]. **Roto** [LVS+16]. **rotscoping** [AHSS04, LVS+16]. **Rough** [IBB15, LJJ+18, SSISI16, SSH18b, YVG20].

**Roughness** [TGZ18]. **roulette** [TH19, VK16]. **Round** [Pra89]. **Routing** [PRM14]. **row** [HPB07]. **row-column** [HPB07]. **RPu** [WSS05]. **rubber** [FLGJ19].

**Rule** [Wan18a]. **Rule-free** [Wan18a]. **rules** [NSX+11]. **run** [GSKJ03]. **run-time** [GSKJ03]. **runner** [LYvdPG12]. **Russian** [TH19, VK16]. **RXMesh** [MPO21].

**Saccade** [ATM+17]. **saccadic** [SW+18].

**Saddle** [YWH13]. **Safe** [WWYW21]. **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** [HWZ+14].

**Samples** [YSHWSH16, APKG07, AA06, BGAM12, DZCI21, HRV+18, MWR12, PKKG03]. **sampler** [ANHD17]. **Samples** [LNBL16, BJ17, XSRH18, ZXS+21].

**Sampling** [Coo86, HSS98, HWZ+20, KWB+15, LLX+01, LRYdp+10, MEA+18, MMR+19, Ost07, Pax90, QCCH17b, Sah18, WP90, ARBJ03, ARNL05, APC+16, AW20, ALDL17, BLD20, BM+09, BWWM10, CGW+13, CJAMJ05, CTM13, EDP+11, Fat11, FBLS07, GM09, GK+13, HJW+08, HPB07, HSD13, HWJ+15, HW+16, JZV+15, KTBV16, KVG+19, LRR04, LDF14, LWSF10, WC12, LADL18, MRK+14, MSON+19, NJR15, ODJ04, OP11,
Sequences [GW90, WL16]. Sequences [RKS+14, CLM+13, CKS+17, DPK11, LEN09, LD14, LCC+18, TS08, WC10, WPL+21, XZY+07].

Sequential [DVSimon03, KSS+17, HET+14, LPB+20, RMG+15]. Series [CYW+16].

Session [Bae+18, BC18, Bou+18, Did+18, Gup+18, Hac+18, Iza+18, Kal+18, Kau+18, Kim+18, Lau+18, Lee+18, Li+18, Lip+18, Liu+18, Mit+18, Pan+18, Rit+18, Ter+18, Wan+18, Xu+18, Zha+18, Zho+18, Zhu+18, Zhu+18b]. Set [Day+90, PVY+90, SZB+18, Aca+07, AA+09, AK+04, Zho+18, Lau+18, Lee+18, Li+18, Lip+18, Liu+18, Mit+18, Pan+18, Rit+18, Ter+18, Wan+18, Xu+18, Zha+18, Zho+18, Zhu+18a, Zhu+18b].


shade [LBAD+06, LMPB+13]. shaded [OBW+08]. shader [HFF+17, LS02, MDF+04, HFTF+15, HFF+16, Pel+05, SAMWL+11, SaLY+08, WYY+14].

Shader-driven [LS02]. shadert [FH+11, HSS+98, VAZH+09]. Shading [FHL+18, GZ08, KOF+14, MVD+18, MNV+21, NON+85, RV98, ZDI+15, AB+08, BSM+07, CDF+14, CTM+13, CTH+14, CM+14, FBF+10, HGF+14, HFF+18, HDHN+16, HZ+11, LMLH+07, RMB+07, RBD+06, SPJT+10, SBSS+12, T+11, VBFG+12, WZN+14].

Shading-based [GZ+08, ZDI+15, WZN+14]. Shadow [CGC+03, McCO+00, MP09b, SCH+03, WZ+20, WL+16, AAM03, BCRK+10, EHDR+11, GLY+03, LAA+05, LS007, LGQ+08, PTG+02, RGK+08, SOA+11, SD02, WTBS+07a, ZHL+05]. ShadowDraw [LZC+11]. Shadows [GTB+15, Hud+92, KOF+14, ADM+08, KOF+13, MDR+12, NRH+03, PSN+13, RMB+07, RWS+06, SKOA+14].

Shape [BBB+93, BL+20, BBGO+11, CKPS+18, CPW+21, DB88, HFW+19, HKC+18, IRSH+20, JS+11, KFR+04, MOR+18, OFC+02, P+03, SK+16, Sah+18, SPSH+18, SSB+17a, VFK+14, VR94, VTSSH+15, WLX+18, WBCP+19, XWC+16, YYPM+11, YZX+18, AKZ+17, ALX+14, AZX+15, ASK+05, AFT+07, BAS+14, B+18, BWSK+12, BJD+12, CB+17, CFWL+13, CI+84, CFWK+13, CZX+14, CW+17, CWB+18, CCW+16, CSAD+04, CSD+09, DLC+15, DF+03, DYT+05, ERB+12, FH+07, FAR+07, FxKBU+16, GCO+06, GMSO+09, GYQ+18, GJWW+15, HK+12, HLC+14, HIG+11, HGCO+12, HZ+12, HSG+13, HWG+14, HK+1, HL+19, HOM+15, IMH+05, JBX+20, JCG+21, KCKK+12, KMP+07, KCGF+14, Kvk+15, KST+08, LVS+16, LXC+17, LBB+17b, LMAH+18, LXR+18, LLHF+21, LS+18, LFG+17, LMB+14, LKS+15, LKWS+16, MDZ+21, MDL+15, MSN+11, MDB+19, MHTG+05, MAB+15, MHR+16, PRFS+18, PMRMB+15, RSH+18, RJ+07, RCOL+09, RBD+06, ROA+13].

shape [SS+14, SSB+17b, SCW+21, SHM+14, SSP+07, SKAG+15, SIA+20, T+12, TGB+13, TCL+21, TMB+14, TFG+13, VLD+07, VBBF+16, VK+19, VPB+09b, WAO+09, GWG+13, WJBK+15, WLG+17, WZF+18, WCPM+18, WG+10, Wim+14, WWL+19, XDPT+16, XCO+09, XSS+12, XWAT+12, YC+21, YK+16, YGH+17, YHCO+18, YK+12, YK+14, YCKK+15, ZAJ+15, ZYL+17, ZXC+18, vKXZ+13, vFTS+06, ANO+10].

shape-assembly [BBB+93]. shape-proxy [MSM+11]. ShapePalettes [KCGF+14].

Shape2Vec [TD+16]. Shape2Pose [KCGF+14].

Shape2Pose [JX+20]. Shaped [EPO+91, HA+92, MSS+19]. ShapeMOD [JCG+21]. ShapePalettes [WTB+07b].

Shapes [CH+14, EM94, HLV+17a, HJS+14, LY+20, MLS+18, ACP+03, GSV+17, HR+05, HL+17b, HSS+13, HZH+16, KH+06].
LTT+20, LBOK13, LMH+15, LBK17b, LCT19, LLK+20, MKB+10, MSW+09, MBF04, MYH+10, MC11, NGCL09, NSO12, NZWC20, NB11, NO13, OPOD10, OKRC10, PBH15, PDZ+18, PTC+10. **simulation**

[QSH15, RSM+10a, RNGF03, RK13, SSB+15, SML+12, SHD+18, SLF08, SABS14, SWL11, SMD+15, SOHK16, SG11, SSC+13, SKP08, SJLP11, TGK+17, TJM15, TWL+18, TBV12, TJ08, UHT17, UPSW16, VMTF09, VKS+14, VK16, WY16, WMB19, Wan21, WPLS18, WRK+10, WL16, WMW15, WZL+20, XCW+20, XZT+21, YJL+16, YLX+15, YCR+15, ZNT18, ZB13, ZSTB10, dSAP08. **simulation-ready**

[ZB13. Simulations [MSQ18, Thu17a, ATW13, ATW15, BP08, BSG12, HLY+21, ISF07, Kim10, LJS+15, LAD08, MBT+15, NRC21, PSE03, RPC+10, SDK12, Thu17b, TMP03, YCL+17, YSC+18. simulator [AB20. simulators [RLR+21.**

Simultaneous

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

**Single**

[CWW+12, DAD+18, Fat08, GHCG17, GXY+17a, HMLL15, HWK15, LOW18, NZV+11, SYSP14, SBT+19, TFY+08, WZHB09, WYL+20, WS17a, YPA+18, ZZT+21, BGK16, BKGG17, BS113, BCRK+10, BBB+10a, CLS+15, CSS+16, CSZ+13, DMIF15, DTPG11, DSC+20, EK+17, FSH+06, GSY+18, GXY+17b, GLUT+21, GSLM+08, HSW+17, HLV+17c, JTC09, KSES14, KYC+17, LLLL21, LAGP09, LDPT17, LRX+18, LKZ+20, LK20, MSS+17, MDB+19, PSB+08, SJA08, STXJ15, SHZ+20, SPDF13, SRRN05, SZZL10, WGJ+18, WLT05, WSXC16, WSZ+18, WZC12, WST08, WS17b.**

**single-camera** [WGJ+18. **Single-image** [DAD+18, GLT+21. **single-photo** [GSZ+18. **Single-photon** [LOW18.**

**single-shot** [BGK16, BKGK17, BBB+10a.**

**Single-View**

[YPA+18, CWW+12, HMLL15, HWK15, DSC+20, LAGP09, SHZ+20. singular [KAB14. singularities [SSC18.**

**Singularity** [LZC+18, LLX+12.**

**Singularity-constrained** [LZC+18.**


Skeletal

[HTCH15, JS11, LD14, LH16, LAH+21, LYO+10, WLH+13. Skeletal-Surface

[HTCH15. Skeleton [ALL+20, ATC+08, SAA+21, ULP+15, BAS14, CGC+02, HWCO+13, KP11b, LYWG13, TZO09.**

**Skelet-awat** [ALL+20.**

**skeleton-driven**

[CFCG02, KP11b, LYWG13.**

**skeleton-mesh** [BSA14. Sketch

[ATW+17, CNX+08, ERB+12, ST14, ST16, TPSH13, ZIH+11, BD+20, CBL+16, DS15, EHA12, FPBC020, LPL+18, LWH15, NSAC005, PHS+18, SSISI16, SSII18b, XCF+13, YVC20, ZLW+18. Sketch-based


[BMS88, CKX+08, JHR+15, KG05, SSI18a, BS+13, BDM+20, GRCG15, HGY17, JZH07, KW+21, LPL+17, LPBM20, MSSH+21, NGDA+16, PKM+11, PSE03, SLWF14, TBvdP04, WTBS07b. SketchPatch [FPBC020. sketchoy [SBHH16. Skills

[HL14, CBYvdP08, CKJ+11, LLLL21, LH18, PBvdP15, PBvdP16, PBYV17, PALvdP18, PKM+18, YCBvdP08. Skin

[CBKM15, NFA+15, BBN+12, DWD+08,
LSNP13, LZT+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, LJI4, JBK+12, JZvdP+08, KCZ08, LD12, LD13, LH16, LL19, LGVO21, MZS+11, MK16, SZZ+08, VBG+13, VGB+14]. skins [MG03].

Skipping [KJ09, LNLB16]. Skipp[ [KK06]. Snap [GSKJ03]. SnapCut [BWSS09]. snapping [ASF+13, LSTS04]. Snapshot [CHWH17, HLV+17c, JBY+19]. Snapshots [KF93, SCH+16]. snow [GHB+20, SSC+13]. soap [DBWG15, HIK+20, ISN+20]. soccer [HHC+19]. social [APS+14]. Soft [AASP17b, GPHSH19, GTB15, LAA+05, PZ17, TF12, WAC07, AASP17a, AOP+18, AAM03, BBO+09, FTP16, GWP+19, JL11a, KPM+17, LYWG13, MZL+17, MDZ+21, MWR12, MA07, PRWH+18, RWS+06, WWY+15]. Softshell [SKK+12]. Software [Fol86a, Fol86b, Fol86c, Mai92, WW82, KKS18]. SOHO [LF08]. solar [KKN+14].

Soli [LGK+16]. Solid [BN90, CCK92, KFCO+07, MC11, NY94, Roc89, RLZ+21, ANZS18,ABA02, BBB07, CH02, CS09, CWSO13, CDN+02, DF88, DZCJ21, HLW+12, JDR04, KRD+12, LD11, LJJ+11, LDHM16, NGL10, RS98, SS10a, TOH08, TLK16, WZYG10, ZGJ16].

Solid-fluid [RLZ+21, BBB07, HLW+12, TLK16].

solid-liquid [CWSO13]. Solids [KS95, LFP21, AD03, FLGJ19, FQL+20, FGPB11, Lee05, LB18, MBK+10, PKA+05, RMSG+08, YJL+16, ZSTB10]. Solution [SAZK06, BRB+19, WWH13]. Solutions [GM84, OF01, DJ17, DJ18a, HDA17, RMOW20, SHW19]. Solver [PM17b, XM18, ATW15, BDCDA11, BBG12, CWZ+21, DBDB11, GHB+20, JCW09a, Jiaa16, LBB17a, LDN+18, LMAS16, NNC+20, PM17a, SBZ09, TB20, XSH+20, ZNT18, dGWH+15]. Solvers [GPB+19, BFGS03, ZBG15a]. Solving [FH97, PKHK15, Hol18, JASR09]. Some [CI97, GM84]. Sony [KCSG18]. sort [CTM13, cK21]. sort-based [CTM13]. sorting [Ada21]. Sound [LFW15, SM17a, ACSM12, CRS+16, CAJ09, CJ11, CZJ12, CRG+20, CLG+16, CDQ+18, DRW+14, DYN03, DLT+15, JBP06, LAJJ14, LJJ+11, LDDH16, NGL10, RS98, SS10a, TOH08, TLC16, WZYG10, ZGJ16].

Small [DFM88, VPR19]. Smart [RO94, XFAT12, ZCC+12], SmartBoxes [NSZ+10]. smartphone [VKB+18].

SMASH [MTM16]. Smith [HHdD16]. Smoke [BLDL21, PM17b, RNGF03, Thu17a, WPS14, CKP+16, CT17, FL04, FN20, GSLF05, LGF04, PM17a, SDK12, SRF05, SABS14, SY05, Thu17b, TMS03, WP10, YCZ21, ZRL+08]. Smooth [DFZ+17, DFYL19, LFP21, LD12, LM91, PR97a, Pet01, RHW94, RLU95, BHK14, HTWB11, KLS03, KP03, MEM+19, MAI89, OBW+08, WP06, WWT+06, ZWL+18].

smooth-shaded [OBW+08]. Smoothed [ERT14, KS10, TJ15, WDK+21, WAK20].

Smoothing [LZHI+20, Pet95, SD02, SGWJ18, BHY15, FYW+18, JDD03, KEE13, PR97b, XLYJ11]. Smoothness [SJWG20, LWL+09, PKD+19, YZ04].

SmoothSketch [KH06]. SMPL [LMI+15]. snakes [LLZM10]. Snap [GSKJ03, ASF+13]. Snap-together [GSKJ03].
RSM+10a, RS14a, RS18, RYL13, SMM14, SM17b, SMC21, SJM17, WQLJ18, WOD09, YL17, YMR+13, ZCT16, ZRS18, ZJ10, ZJ11, ZHZ20]. soundbanks [ZJ10].

Sounding [MYH+10]. sounds [AJM12, BLT+15, BDT+08]. soundscapes [ZHHZ20]. soup [SOS04]. soups [BDS+18].

Source [CM21, SM17a, GTHD03, GGHS03, MRA+13, SM17b]. Source-Specific [CM21]. Sources [NON5, OF01, CRG+20, CDP+14, JBP06, MLR+14, RSM+10a]. SP [LLHF21]. SP-GAN [LLHF21]. Space [BYG96, BYRN17a, EG98, GRGC15, HC86, LLKP11, LDHG+14, Pet89, SAL+08, Shn92], TLG17a, WLX+18, ZIT+18, AB89, AV20, ACP03, AP08, ATDP11, BSW02, BYRN17b, BKO16, BCWG09, BBD+14, CBD13, CLW16, CGZ08, COS19, CJM21, DCD15, HPJ12, HB12, HMT+12, JLL1b, JTL+12, JTSW17, KHD14, KSHG18, KMP07, KWB+15, LAKL11, LH06a, LSCO03, LC15, LKG+03b, LHJ20, MVH+17, MMG06, MHC+16, NLBCO20, RHSH18b, RH02, RMOW20, RJN16, SNM+13, SXZ+17, SGM+16, SkK+11, SMD+15, SAZK06, SFLG01, TG18, TMDK15, WCMP18, WAKE09, WYXJ21, Wym05, XB16, YPPM11, YYW12b, ZSZJ20, ZYY21, TLG17b]. Space-Filling [Shn92].

Space-time [GRGC15, LLKP11, LDHG+14, SAL+08, ZIT+18]. space-warp [LKG+03b]. spaced [Gos00]. Spaces [KP92, DCP14a, HRW97, Lip12, OKH+17, SHP04, SJA+20, TGY+09, VABW09, ZCC16, dASTH10].

Spacetime [PM17a, SLS+12, ZSCS04, HSvTP12, PM17a, SVS14, SJJ21, XWW+14]. SPAD [CSHH21, SZD+20]. Spark [FH11]. Sparse [ASGC010, BFGS03, FGBP11, HS+12, HS20, NVW+13, NSF12, WLY+16, WLZ+21, ZCD+16, AGL+17, ALS+18, BBN+12, HLSO12, HDA17, HKA+18, KWB+13, KSA13, LLDD09, LD13, LMB14, Mus13, ODAO15, RYK15, STSH14, SABS14, SNF05, SL17, T2K+11, TKT12, TS12, XYJ13, XSHR18, XBS+19, dAST+08]. Sparse-as-possible [ZCD+16]. Sparsely [HWZ+14, LHZ+18]. Sparsity [SHD+14].

Spatial [BSB16, GRS+17a, HKT10, LLWD14, BS17, CKMR+21, DLX+21, DH06, GB08a, GAB20, GRS+17b, LBJK09, LH06b, LKG+03a, LGX+13, FHL+19, Y17, ZYSK21]. Spatial-spectral [LLWD14]. spatial-temporal [DLX+21]. Spatially [WK21, BJ10a, BATU18, DTPG12, DCP+14b, GWN+03, GCH+19, HMP+08, JAG18, LXR+18, MAG+09, PFB+20, TDG18, TFK+03, WRG+09, XDPT16]. spatially-aware [TFK+03]. spatially-correlated [GCH+19, JAG18]. spatially-varying [DTPG10, LXR+18, WRG+09, XDPT16]. Spatio [ZM13, BBK+15, GBAM11, KZP+12, KK21, VBK05]. spatio-angular [KZP+13]. Spatio-temporal [ZM13, BBK+15, GBAM11, KK21, VBK05]. Spatiotemporal [PKC+17, YPG01, ASK+12, HLR+14]. speaker [EML+18, NKAS08, YCL+20, ZHS+20]. speaker-aware [ZHS+20]. speaker-independent [EML+18].

Speaking [SDD+04]. Spec2Fab [CLD+13]. Special [BG89b, FdS06a, FdS06b, FdS06c, FGN84, Pha18, Rod94, Sto92, WKR99].


Specifying [Van82]. Speckle [ABG12, BAGL19, BGL20, Par17]. spectra [BDM09, SJ17, WPC+14]. Spectral [DBG+06, FHL+18, GO17, HZM+08].

KBC+13, KHLN17, LHJ+14, LJO19, OAG10.
Style-based [GMHP04, HPP05, HLV+17a, IWHH20, LZX19, LHL15, SBP+14, XLZ+10, AWL+20, APDC1, FTP03, GHBC1, GAGH14, HLV+17b, KG+18, KGS20, LJS11, LHDP5, LKS15, LKWS16, MB12, NAKOS8, PO08, SDRK18, SED16, SBD15, WPP14, WYX11, WZC15, XLLW20, YNS19, YM16].

Style-content [XLZ+10]. Style-Defining [HLV+17a, HLV+17b]. style-synchronized [KGS+18]. StyleCariGAN [JJJ+21].

StyleFlow [AZMW21]. StyleGAN [AZMW21, JJJ+21, TAN+21].

StyleGAN-Generated [AZMW21]. Styles [YXZ+18, LP10, SHU+16]. stylistic [CCL12]. StylLit [FJL+16]. Stylization [DS02, FJL+16, FPBC02, GLZ+21, LYF+21, ZAJ+15]. stylize [ZAJ+15]. stylized [FJS+17, KDF+3, LMP+13, PMA+21, RTF+04, TIA+07, Wan16, dSAP08].

Stylizing [BCK+13, JST+19, EBG14, GLZ+21, SSL+21]. Sub [NID20, CMSA20, HA18]. sub-grid [CMSA20]. sub-meshes [HA18].

Sub-Paths [NID20]. subband [LSA05].

Subdivision [ABO8, Che92, CV20, DLG90, Gol85a, Kla94, Lew87, Rap91, dGMD16, BFK+16, CADS09, DM13, HsH10, ISD04, KP07, KS98, KBZ15, Lev06, LYL08, LJJ14, LS08, LSN09, MRF06, MFR+10, MP09c, Nas87, NLMD12, PO08, PR97b, PS04, PBW19, SW05, SJP05, VB06, VMW18, WP06, WWT+06, ZHX+07].


Summed [NMLH14, NMLH11]. Summed-Region [NMLH14, NMLH11].

Super [BAC06, CBD13, NYY04, SZD+20, GGY18, SDP+18, SXZ+20, WGDE19, XFCT18].

Super-helices [BAC06].

Super-resolution [SZD+20, GGY18, SDP+18, SXZ+20, WGDE19, XFCT18].

supercompressed [KPM16].

superimposed [AYL+12]. Superimposing [BLO8]. superresolution [HLR+14].

supersampling [DVC09, DEM96, YNS09].

Supervised [YXZ+18, CHY21, HSG13, SS+17].

Supervoxel [HMM+21]. Support [DWW+18, AFR+07, CK10, ISD04].

Support-free [DWW+18]. supported [SFLM0].

Supporting [Hib86, MHS+19a, DP+14, LPS+13, MIB15, VHWP12].

suppression [LS+18]. Supra [WWH04].

Supra-threshold [WWH04]. SURE [LWC12].

SURE-based [LWC12]. Surface [B292, Bii82, CG89, DHB+16, DNZ+17b, DGL90, EC93, EK98, FNO89, FG90, FB95, GLL+16, HW+14, HOZ+19, HI16, HTCH15, HM20, KM97, LZBCJ21, LSSW19, LC96, MB+15, Mi87, PM05, SO92, SYSP14, TG17b, VB12, YIC+14. ZWK14, Zyd88, dPP05, AMCO08, APL14, APL15, AAT13, AB20, ABA02, ACA+19, ASL+17, BUSB13, BHMK+18, BHK14,.
BLN⁺13, BHW13, BBB10b, CBCG02, CSPF12, CBI13, CMSA20, CPSP21, CKMR⁺21, CMMK15, DBG14, DNZ⁺17a, DTC06, DBG⁺06, DCP⁺14b, EB14, FG14, GZ08, GWM⁺08, GTR⁺06, HTG14, HSTP11, HLZ0, HNB⁺06, HLZ⁺09, HZ82, HGMRT20, JCW09b, JSMF⁺18, KH13, KG06, LDk⁺18, LPDT17, LKK⁺18, LPL⁺18, LF09, LTJ18, MCK17, MASS15, MBWB02, NGH04, OBS04, PIC⁺21, PO08, PKG06, RDT⁺10, RLZ⁺21, STJ⁺17, SAPH04, SS10a, SSZC010, SACO04, SLS⁺07, SAL⁺08, SC18b, SCGT15, SWW⁺20, SKM10.

**surface**

[SS11, TWBO03, TWGT10, TG17a, TCL21, VGB⁺14, VPB⁺09a, VMT06, WZT⁺08b, WLZ⁺09, WYY⁺14, WJL⁺20, WVVH17, WFH⁺07, WPMR09, XDPT16, XZZ⁺14, YHZ⁺14, ZJ18, ZMT05, ZM11, ZGW⁺13, ZQC⁺14, ZBC15b, ZHCJ15, ZPKG02].

**surface-based** [PIC⁺21]. **Surface-only** [DHB⁺16, HMO20].

**surface-tension-dominant** [RLZ⁺21].

**Surface2Volume** [ACA⁺19].

**SurfaceBrush** [RRS19]. **Surfaces**

[And82, AS21, AOCBC15, BWW93, BHN98, BS88, BS90, BSTY15, Che92, CGM91, DWMG15, ESBC19, Fil89, Joe90a, JHR⁺15, KP17, KMM17b, LM91, LD97, LC96, MHS⁺19a, MSS92, RSH18a, Rap91, RS14b, Roc89, SB95, Sar00, SLM⁺17a, SG17, SJW20, TBWP16, War92, AB89, ACXG09, AA09, AK04, AGSCO10, BX03, BW13, BMBZ02, BHWW12, BWWM10, BF⁺16, CI97, CS09, CPS11, GvGNK99, DJBJ19, EKS⁺10, EC96, EB08, EMFO2, FCOAS03, FLHC010, GSC2, GOMP98, GG07, GBK05, HSH10, HJCJ19, KNBH12, KMM17c, KYYL08, KTT13, KCP515, KLPCCP18, KP03, LCCS18, LJJ⁺18, Lev06, LFS16, LPL⁺17, LB18, LPW⁺06, LPS⁺13, LIG14, LD89, LB06, LS08, LSNC09, LKYU12, MGA⁺17, MV21, MIB15, MRF06, MFR⁺10, MAB⁺15, Nas87, NISA07, NLMD12, PZ07, PCL⁺12, PLPZ12, PBDSH3, PSF09, PKD⁺19, PKPP21, POT17, PV06, POC05].

**surfaces** [PSB⁺08, PU06, PBW19, RRS19, SWHP09, SF09, SPSH14, SLM⁺17b, SKJ10, SOS04, SF07, SS10b, SSJ⁺20, SCD⁺21, SRGB14, Sta03, TSN10, TDG18, TZL⁺02, TO02, VBCG10, ViFG99, VVHP12, WM10, WSM11, WC21b, War89, WDB⁺08, WG09, WGL⁺18, WZJ19, YHJ⁺14, YZ04, YT13, ZMSS18, ZZV⁺03, ZMT06, ZS00, ZHX⁺07, wV09].

**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, BJTK18, DAD10, DWT⁺10, GLD⁺19, GSH⁺20, GLT⁺21, NLG18, Zha18, ZCD⁺16]. **SVG** [YWH13].

**SWAGAN** [GHBC01]. **swapping** [BKM⁺08]. **Sweep** [CZS⁺13]. **Sweeping** [vW84]. **Swept** [SAJ21]. **swimmers** [MDZ⁺21]. **Swimming**

[SLST14, SHU⁺16, TGG11]. **swings** [CB05]. **SwingWrapper** [AFSR03]. **Switchable** [SMH⁺11]. **Symbolic**

[EC93, BCT15, Gue07, Jia21]. **Symmetric**

[CC19, JTC09, vW09, GWAB19, LF08, PLPZ12, RUS19, SR07, YTL18].

**symmetries** [MSHS06, SHZ⁺20, THW⁺14].

**Symmetrization** [MGP07]. **Symmetry**

[BSEH18, KLF12, LCFD10, RS14b, BWS10, CMZP14, LSS⁺17, MGP06, PZ07, PSC⁺06, RVLO08, WFF⁺10, XZT⁺09, XJZ⁺12, ZZJ⁺13]. **Symmetry-guided** [KLF12]. **symmetry-summarization** [WVF⁺10].

**SymmetryNet** [SHZ⁺20]. **sync** [SSKS17]. **synchronized** [KGS⁺18].

**Synchronization**

[Hil86, ELFS16, WSZ⁺14]. **Synchronized** [KHKL09, SJA⁺20]. **synchronizing**

[HLW⁺19, LJ14]. **synchronous**
[HLZ10, HZG08]. synopsis [ACCO05].
Syntactic [SC91].

Synthesis
[AFP+95, BSL12, CZX+16, CBYvD08, DBP+15, HM92, JWDL19, LW15, LLX+01, LP02, RO85, RO87, SCO17b, TZL+02, WB08, YL12, YBY+13, ZZV+03, ZYM+20, ZFT+21, AAL16, AVB08, AJM12, AFO03, BSHK04, BDT+08, BNK13, CDSD13, CTL+21, CWL12, CT17, CLG+16, CWTW17, DSB+12, DLL+15, DLKS18, EVC+15, FH04a, FS+17, FPBC02, FRS+12, FSL+15, FRS19, FAW19, FCW+17, GGY18, GPD+18, GMP+06, HET+14, HHRO08, HWRH13, HAB20, HSK16, JYL09, JBX+20, JHS12, KWR16, KCKK12, KGS+18, lkKPS03, KLF12, KFCO+07, KP06, KSE+03, KEKBO5, LES09, LH05, LH06a, LHL10, LSR18, LDF14, LTG09, LWO2, LSA+16, MJC+08, MWGZ09, MFP+18, MM08, MSOC+19, MC12, MYH+10, NSC08, ÖG12, PHL+09, PCSS06, PZ17, PB02, RYL13, ROC09, SHM+18, SCO17a, TZN19, TOS+03, WZT+08b, WYZG09, WHRO10, WSCR18, WQLJ18, WHZ+08, WLRH11, WLHR12, WY04]. synthesis
[XKF+18, XUC+14, XBS+19, YYTC12, ZGO4, YZSK21, ZMB12, ZHW+06, ZJL14, ZBB+18, ZFT+18, ZZV+08].

Synthesizing
[LK20, NSB13, RHDG10, SHP04, SSKS17, YKH04, YWY+12a, CY+18, NRH17, SSZK21]. Synthetic [LCV+04, MHS+19b, PTSG09, PC82, WGJ+18, ZMN+19, BDI+02, CNR08, KHFF11, OPOD10].
synthetic-vision [OPOD10]. System
[ajs20, CM83, EHSN20, GF82, LZX19, SG86, Bly06, BTFN+08, CTP16, DOH005, FNVD82, GPCP13, HGY17, HFTF15, HFF16, HGG+11, HWR14, HM+15, JLF+09, KLHG09, L204, MGAK03, MP04, MIWI16, MIQ+10, NJS+11, OEE+18, RKKS+07, RXL21, SPJ+10, SSY+04, TL04, TKT11, WZK+17, WS99, YCL+17, ZPKG02]. Systematically [BMM+21]. Systems
[FH97, GJB+20, LN84, PAK+19, Ree83, WW82, ZIH+11, ACXG09, FLP14, GHZ+20, HFF18, HDA17, HPC21, KJS08, LTT+20, LBOK13, SBB+15, SHS+04, SHHW16, SAZK06, TZCT20].

T [CZ17, GBK05, KPP17, KBZ15, SZBN03, SCF+04].
T&I [NPP+11].
T-junctions
[KPP17].
T-mesh [KBZ15].
T-NURCCs [SZBN03].

T-Spline [GBK05, SCF+04].

T-splines [CZ17, SZBN03].

Tables
[NMLH14, NMLH11].

Tactile
[LSD+16, TGR18, BPI2, SGP11, TWZ20].
tags
[MWH+09, RB+B+04].

Tailored
[POAR12].

taking
[CIC96].
talk
[SQRH+16].

Talking
[YFFA21, FTZ+19, ZHS+20].
talking-head
[FTZ+19, ZHS+20].

Talking-Heads
[YFFA21].
tall
[CM11].

Tangent
[BS88, CPW21, COS19, PP93, FSDH07, VB06].

Tangent-space
[COS19].
tangents
[HLHZ08].

Tangible
[JPG+14, Ano03, GMP+16].
tangle
[SP16].

Tanks
[KPZK17].

TAT
[HXC+20].

TAP-Net
[HXC+20].
tapestries
[BSG10].

Target
[FL04, GRS+17a, GRS+17b].

Target-driven
[FL04].

Task
[AVDP16, CAS91, CBVD09, SKB+14].

Task-Analytic
[CAS91].

Task-based
[AVDP16, CBVD09, SKB+14].
tasks
[BSL12, SCG012, MTA+20, YKH04].

Tau
[Las90].

Tau-Splines
[Las90].

Taylor
[ZRLK07].
tearing
[FND14].

Technique
[EM90, Ree93, Res87, JM12, JB02, KSHG18].

Techniques
[And83, HL14, Jan91, Kaj83, Oll88, RO85, RO87, SWZ16, UBW99, CB04, IGL06, JNR3, JASR99].
technology
[BP12].
teeth
[VBP+18, WBG+16, YSW+20].
tele
[HYG+13].
tele-registration
[HYG+13].
teleconferencing
[JLF+09].

Telepointer
[RO94].

Telepointers
[RO94].
telepresence
[GWN+03].
telescopic
[YCC17].

templates
[ACCO05].
[JZvdP+08, KLM+13, PYW14, ZHG+16].
temples [KPZK17]. tempoGAN
[XFTC18]. Temporal
[AECO15, LAC+11, MKD+16, OHX+14, WGP+10, BGSF10, BBK+15, BTS+15, DLX+21, GBAM11, KKW21, LWA+12, LBJK09, VBK05, WFS+09, ZRLK07, ZM13]. Temporally [ASC+14, HKAK16, LLV+12, MNV+21, XFC18].
Tennis [ZSAF21]. tensegrity [PTV+17].
tfidf [VMTF09]. Tension
[BB83, DLG90, ABT13, CMSA20, CKMR+21, GMB17, RLZ+21, SZB18, TWGT10, WIL+20, ZQC+14].
tension-actuated [GMB17]. tensioned [Coh87]. Tensor
[HLW+19, PRK+17, SG17, Tsa15, WLHR12, TS06, TS12, WWS+05, ZXY+17]. Tensor
[GHG+19, LYoPG12, PGP+19, PBvdP16, cWP10, BST09, CGG+17, GDG+17, LHO4, PBvdP15, ZXL+20]. Terrain-adaptive
[PBvdP16, cWP10]. terrain-optimized
[ZXL+20]. tesselation [VdFG99].
tessellation
[FBF+09, GBK05, HMAM09, LWL+09, LSNC09, NL13, ZSO0, BA08, LL10].
tessellations
[BLG+16, LXY+16, ZMS18]. Testbed
[WW82]. Tetrahedra
[FAER21, PVR18]. Tetrahedral
[HZG+18, ACDY05, ATW13, JZH+21, KTO9, LS07, PRP+15].
tetrahedron [TWAD90]. tetrapijzzles
[CGR+04]. Text
[FTZ+19, HAB16, XZI8, YFFA21, JMD+17, RMBB+13, SFLM04, YCL+20]. Text-Based
[YFFA21, FTZ+19, JMD+17].
textiles [NQC+21]. Textual
[PABE+21]. Texture
[CS00, DYT05, KEBK05, LLX+01, LPC+11, LHTV17a, MZD05, MHC+16, SOC17b, SS00, SWWW15, TBTS08, TB87, WK95, AAL16, BKCO16, BKR17, BNTS07, BD02b, CTW+04, CLKL14, CSHD03, DvGNK99, ESZ+17, FH04a, FCGH08, HP03, HRRG08, KBD07, KLF12, KFCO+07, KSG03, LH05, LH06a, LPRM02, LWS02, LHL04, LDHM16, LSA+16, LHTV17b, LFB+13, MWGZ09, MS13, MCHAM06, Nah20, PKCH18, RAL06, SC017a, SdS02, SMD+12, TBL+02, TOS+03, TT09, WSH+16, WHZ+08, WY04, XYXJ12, ZG04, ZMT05, ZHW+06, ZBB+18].
Texture-Based [SS00]. Texture-lobes
[LPC+11]. textured
[BGB+05, PKC+16, WM03].
TextureMontage [ZWT+05]. textures
[AZP+05, AS02, BM02a, CGZ+05, gDGPR02, DYN03, FAW19, GP08, GP09, JDR04, JPD02, KMB+09, KPM16, KSE+03, LHL10, LGG+07, MWT11, MLT13, MZD05, MPM+20, NSX+18, ONO04, PZM+15, PZ08, RCOLO9, SXD+12, TOI08, TZN19, TWY+20, WZYG10, ZVZ+03, ZHZL20].
Textureshop [FHO4a]. texturing
[CH02, GSV+14, PB02, VSLD13, XCOJ+09]. theatre [WL16]. their [Fat09a]. theme
[WYW+10]. theories [LJGH11]. Theory
[AG681, APH+14, CA00, HZE+19, JSDJ12, BB17, DPF03, FCJ07, JNSJ11, LDF14, MSRB07, RAMN12]. Theran
[BTDF08]. There [PVR18, ISS20].
thermal [Hz12]. thermoforming
[SPG+16]. thickness [ISN+20, YSC+16].
Thin [HWZ+14, LSNP13, WDK+21, ASL+17, ABO16, BMWG07, BDW13, CAJ09, CSw18, CQD+18, Dan20, FSH11a, GRBN09, GZL05, GSH+18, HLRHR09, LCC+18, PNdJO14, RK13, VRBC18, VLD+13, WT08, WGT10]. Thin-film
[WDK+21]. thin-plate [FSD11a].
thin-shell [CQD+18]. things [JNP18]. think
[BDM+20]. thinning [NSS+19]. threads
[BAV+10]. Three
[CC18H, CCW93, CGM91, COSL98, Day90, EM94, Gre86, JSMH12, SG17, WF96, BBO91, Boi84, IGLF06, SLWF14, UB18].
Three- [CCW93]. Three-Dimensional
[CKH18, Day90, EM94, COSL98, JSMH12, BBO91, Boi84, UB18]. three-level
[SLWF14]. threshold [WWH04, ZF03].
tight [DML17]. tileable [FLHC010]. tile
[CML+17, WPC+14]. tile-based [WPC+14].
tiled [MS05, YBY+13]. TileGAN [FAW19].
tiles [KCODL06, LD06, CSHD03]. tiling
[vW09]. tilted [XCW+20]. Time
[And83, AIH+88, BYG96, BJ05, BKCO16, CWTW17, DNZ+17b, DLK18, GXY+17a, GNHM15, GVNB18, HXZ+19, KZSR16, KIM+19, LBK17a, MBGS15, MOR+18, Mey91, MNV+21, TZS+18, TSLP14, VTS115, WL05, WZN+14]. tiled
[BBG21]. Time-lapse
[BKCO16, GXY+17a, BHR13, DRvdP15, HED05, XZ+17]. Time/Space
[BYG96]. times [SPDF13]. tissue
[BBO+09, DF01, KPM+17]. tissues
[PRWH+18]. TOC [Ols88]. together
[GSKJ03, RTB17]. toil [DBGW15]. token
[Zit13]. tolerance [MCSA15, YRPF09].
tolerant [SLWF14]. tomographic
[WLHR11]. tomography
[GKHH12, IYY+14, ZIT+18, ZIT+19]. ton
[CSW+05]. Tonal
[FL11, LFUS06]. Tone
[SW18, WC21a, ASC+14, BPD06, EMU15, EKM17, FLFS08, KO11, LCTS05, MKDO8, MAF+09, RSS02, RTS+07, WYX11, YZWH12, ZF03]. tool
[BBR+21, BDM09, FH04a, JRT+15, MZB+17, WAC07, WZL+20, XFAT12].
toolkit [FH04b, MGDB05]. Tools
[BLA12, BD86, HA92, SB93, PLKD18, RMD12].
toon [ZLWH16]. tooning [WXSC04].
Toonysynth [DLKS18]. Topological
[LDW97, VV94, vO96, GMP09, LDK+18, NGH04, TR98, Xia21, ZCLJ20, VV95].
topologically [PKZ04]. Topology
[ALX+14, ABA02, DFL+15, HZCJ17, MB12, NHS+13, PSF09, Sar00, ZJL14, ZSCM17b, ZHCJ15, AXZ+15, ABO16, BHK14, BW13, BHLW12, BBB01b, DRvdP15, JZ07, LHM09, LH+18, MFB04, Must3, NJKF09, WJ19, WMB+20, WXY+17, WGT+05, WOG06, WZN+14, XUC+14, ZY+17, YZX+18, ZT+18, ZBXY+19, ZHHZ+20, ZHGW08, ZRL+08, ZN+14, dASTH10].
time-critical [Hub96, LMLL21].
time-domain [WJ19]. time-gated
[PVG19]. time-image [BMSR20].
time-independent [BBGW12]. Time-lapse
[BBG15, BM07, LENO9, SMR07, TDS15].
time-multiplexed [WGT+05].
Time-of-Flight
[GNHM15, GVN18, KZSR16, ABW+17, CHWH17, HHHW15, MMH+17, NZV+11, SHHW16].
Time-resolved [AIH+08]. time-variant
[WTL+06a]. Time-varying
[BKCO16, GXY+17, BHR13, DRvdP15, HED05, XZ+17]. Time/Space
[BYG96]. times [SPDF13]. tissue
[BBO+09, DF01, KPM+17]. tissues
[PRWH+18]. TOC [Ols88]. together
[GSKJ03, RTB17]. toil [DBGW15]. token
[Zit13]. tolerance [MCSA15, YRPF09].
tolerant [SLWF14]. tomographic
[WLHR11]. tomography
[GKHH12, IYY+14, ZIT+18, ZIT+19]. ton
[CSW+05]. Tonal
[FL11, LFUS06]. Tone
[SW18, WC21a, ASC+14, BPD06, EMU15, EKM17, FLFS08, KO11, LCTS05, MKDO8, MAF+09, RSS02, RTS+07, WYX11, YZWH12, ZF03]. tool
[BBR+21, BDM09, FH04a, JRT+15, MZB+17, WAC07, WZL+20, XFAT12].
toolkit [FH04b, MGDB05]. Tools
[BLA12, BD86, HA92, SB93, PLKD18, RMD12].
toon [ZLWH16]. tooning [WXSC04].
Toonysynth [DLKS18]. Topological
[LDW97, VV94, vO96, GMP09, LDK+18, NGH04, TR98, Xia21, ZCLJ20, VV95].
topologically [PKZ04]. Topology
[ALX+14, ABA02, DFL+15, HZCJ17, MB12, NHS+13, PSF09, Sar00, ZJL14, ZSCM17b, ZHCJ15, AXZ+15, ABO16, BHK14, BW13, BHLW12, BBB01b, DRvdP15, JZ07, LHM09, LH+18, MFB04, Must3, NJKF09,
QJ21, SLS+07, Sta03, WTGT10, WHDS04, YHZ+14, ZPBK17, ZSCM17a. Topology- [PSF09]. Topology-adaptive [MB12].
topology-aware [SLS+07].
Topology-based [DFL+15].
Topology-constrained [ZJL14, ZHCJ15].
Topology-controlled [HJCJ17].
Topology-driven [HNC+13].
topology-preserving [LHM09].
Topology-reducing [ABA02].
Topology-varying [ALX+13, CRS+13, CRS+14, SHS+15].
Toric [GPSZ11, LC15, MGA+17].
Total [MGDA+15, PEL+21, XYXJ12].
touch [PRWH+18, RP09].
tourism [SSS06].
tourist [GASP08].
tower [DFL+15].
toy [ZXS+12].
traced [MKZ+21].
traced [EDR11, HR13, PFHA10].
Tracer [GIF+18].
Tracing [BK85, BK87, CFS+18, DLTW90, FHL+18, GHCC88, GR5+17a, JRS21, Kaj83, KIM+19, Lev90, NDK20, NKK+14, PP94, RS14b, RLU95, SLM+17a, TB87, VKJ+17, WQF+21, WHG84, vW84, BDT99, BSS+13, CRS+16, CXW+05, CTE05, DHW+11, GR5+17b, HJW+08, HJ11a, HQL+10, HZ11, KMA+15, LAA+05, LADL18, LWL+20, MKD+16, Mor11, MRNK21, MHC+16, NPP+11, PBD+10, PCS+20, PBMH02, RSH05b, SHHD17, SLM+17b, SLWF14, SWF+21, WIK+06, WBS07, WWB+14, WSS05].
TrackCam [LWCT14].
tracked [CB04, JM6+17, PSK+16].
Tracking [BHLW12, WKHA18, AHSS04, BWH13, CSZH21, CHZ14, CCWL18, CMSA20, CMMK15, DBG14, HLW+18, HK10a, HMT+15, JTST10, KRF+18, KHL17, LWCT14, MB12, NSJ14, SWW+20, TBC+16, TTT+17, TAH+04, TPT16, TTR+17, VGB+14, WP09b, WMB+20, WXYL17, WSS18, ZLWH16, ZBGB19].
TRACKS [BMWG07].
trade [LDS02, SWC+18].
trade-offs [LDS02, SWC+18].
Tradeoffs [BYG96].
traffic [LWL17, SWL11, WSL13].
train [WPKL17].
Trainable [EGP02].
Training [HL14, MCS15, PCPW20].
Trajectories [TFD+18, RH16].
Trajectory [GM84, HNH19, LH18].
Tran [Ros20].
Trans-similar [Ros20].
Transactions [Banga88].
transcripts [SBDL15].
Transfer [HL+19, IWHH20, LFZ15, RCL21, SHS+18, AWL+20, AILG+13, ABW14, ACSM12, BVGP09, BMQ+18, BSBC12, CRO90, DTN05, FZL+15, GYQ+18, HPB06, JAM+10, JBP06, JFA+15, JAG18, KAGS20, KAMJ05, LEBN06, LKW16, SDOA15, PCS+20, PTMD07, SDFK18, SED16, SPP+14, SHS+17, SLS02, SLSS03, SSHS03, SLS05, SBD03, SSL+21, SP04, SJG+19, TZN+15, TLJ18, TS06, VBBP05, WSH+16, WJ19, WTBS07b, XWCH15, XCTL14, YWS+11, YCJ+16, ZHRB13, ZRB14, LAM+11].
Transferring [HLR+17, WAM02].
Transfiguring [KLS16].
Transform [GSC+15, LFL+20, LWS+15, PP94, PG09, AKZ+17, BHY15, FMR20, GO11, HJ11b, PSL+06, YHCO20].
Transformation [MNC99, YYL+19, APCC01, DTN05, WKR99, WGT+05].
Transformations [BBS16, NN90, Pat85, Pat87, Tur82, TBP02, BSB17, CPS11, JB+12, LSS+17, NRC21, Spr82, VNW15].
transformed [HCJ16].
transformer [FYG10].
Transforming [XZM+18].
transforms [LMAH+18].
Transfusive [YJHS12].
Transient [HZ20, LRT+14, BL15, HHGH13, JMM+14, OX+14, PKHHK15].
Transition [SYSP14].
transitions [BLA12, DDD+14, WBO8].
translating [CLD+13].
translation [CLY18, FTP03, HPP05, WSS+19, YZX21].
Translational [LW15].
translucency [BATU18].
Translucent [BAU15, RT90, DI11, DJO5, GXX+13, GLH+04, HV04, JB02, PRJ+13, WTL05, WZT+08a].
transmission [AAR05, KV05, MP04].
transmittance
transport
transport-based [SV19]. transportation [SdGP+15]. Transport [YZZ12]. TransPose [BJNJ18]. traversal [BAM14]. CNX+08, LYO+10, LPC+11, MGT+03, NFD07, PHL+09, PNDN21, PSK+12, PNH+14, PJH+17, TZW+07, TFX+08, XLJ+09, ZHWG08, JP04]. Tree-Maps [Shn92]. tree-modeling [NFD07].

TreeJuxtaposer [MGT+03]. treemaps [BSW02]. trees [AGD09, DV03, DIP+18, LBAD+06, LDS+11, LMPB+13, PSK+12, PNH+14, RMD04, XGC07]. triage [CYW+16]. Triangle [LS00, SS10b, ULP+15, AF03, CSN+12, GLR11, LZW10, PPW18, QHY+16, SNB07, SW05, SC20, SOA11, SS21, SSP08, SGC18, SP04, WZHB09]. triangle-oriented [QHY+16]. triangle-quad [PPW18].

triangle/quad [SW05]. Triangular [Sar00, FKY+10, JSW05, Lip12, MC21, PU06, YHB05]. Triangulated [RS14b, HR05]. Triangulating [FM84, WS85]. Triangulation [Cl84, EPO91, KLN91, dFP95, FAB+18, HSG+19, LPS+13]. Triangulations [Kal14, LFXH17, Pet01, SG01, dGMMD14, Ale19, Ale20, ILSS06, MMdGD11, SSC19a].


triple-product [SR09]. TriWild [HSG+19]. trouble [DBWG15]. True2Form [XCS+14].

truly [MMG06]. truss [SHOW02]. try [LVKS21].

try-on [LVKS21]. TryOnGAN [LVKS21]. tuner [CLD+13]. tunnel [DLSC08, She13]. turbulence [CQD+18, KTT13, MBT+15, NSC08, PTSG09, PTC+10, SDKN18].

turbulent [LCD+20]. Turning [BLCD02, SSJ+11, WX91]. tutorials [GAL+09]. Tutte [AL15, AL16, AKL17].

TV [FMR20, MP04]. twice [YRP09].

twilight [HMS05]. Twistable [JS11].

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

Twice [AWL15, BPD06, Gla90, JTMW20, Las90, LD13, RMSG08, SJ94, SG11, TFD+18, THG09, ZLC+18, ZSCM17a, ZSCM17b, BB12, FQL+20, Gal99, GLT+21, HP17, HFC+18, IGLF06, LWS02, LCD+20a, LK20, LK+03b, MBB+19, NAI+18, NGL10, NO+13, RRC+16, TB20, WAI+10, WGH21, XNY+16].

two-continua [NO13].

Two-Dimensional [Gla90]. two-handed [LKG+03]. Two-layer [LD13]. two-level [LWS02].

two-phase [BB12]. two-piece [NAI+18]. two-player [WAI+10, WGH21].

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

Two-shot [AWL15, XNY+16]. Two-stage [ZLC+18]. two-stream [GLT+21].

Two-way [RMSG+08, FQL+20, HFC+18, LCD+20a, NGL10, TB20]. Type [LDW97].

typefaces [Sha03].

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


ultra-thin [VLD+13]. ultrasound
[LSCS14]. unactuated [YL08]. Unbiased [BLK20, QSH15, YIC10, DJBJ19, KDPN21]. uncertain [WFH10].
uncertainty [UMK17]. unconstrained [YSN18]. uncontrolled [VWB12].

Unconventional [MV21]. Understanding [Gxz13, PKH17a, PKH17b, SN17, XADR12, HOM15, LRT14, LT20, NXS12, SMZ14].
Underwater [OKRC10, WP12, MDZ12]. Unfolding [SK16, MS04]. uniaxial [WW08].
Unified [MMCK14, MKB10, MHU19, RXL21, SHU16, CLC12, DM13, GD04, LBB17a, SXH12, VdFG09, WMW15, YCL17].
uniform [CADS09, LFS16, WW11].

uniformly [HRV18]. Unifying [KGH14].
unit [DFM13, HAM07, WSS05]. units [LHLK10]. unity [OBA03]. universal [CLP18]. unknown
[DCP14b, XDP16, ZY17]. unlabeled [XWCH15]. Unmixing
[AAPS16, AASP17b, AASP17a, AAPS17].

Unmixing-Based [AASP17b, AASP17a].

UnMousePad [RP09]. unordered [SSS10]. unorganized [HLZ10].
Unpaired [AWL10, CLY18, GYQ18].
unparameterized [GDPR02]. unreinforced [PBSH13]. unseen [SMZ14].
unsharp [LCD06, RSI10]. Unstructured
[BBP10, GCD12, NLG18, PKK16, TKT12].

Unsupervised
[CPW21, HFW19, LYF19, SWK11, WSH16, YC21, FYW18, HWH18].
Unsynchronized
[MCT15, YLC12].

Untangling [BWK03, BB81]. Unwrap
[RAKRF08]. UofA* [SG91]. Updated
[HLS012, HGMRT20]. updates [SH20].

upper [LST09]. Upright [FCODS08]. ups
[LJGH11]. Upsampling
[BLL12, CAW16, Fat07, KGB11, KCLU07, SLJT08, WGP10]. upsampling
[FF11]. Urban
[GDAB17a, VLA15, YWWV13, AVB08, CMZP14, GDAB17b, KFWM17, KCYW13, NSZ10, NGDA16, SHFH11, SGMS18, VABW09, VGDA12, ZSW10, ZXH20].

Use [HC86, Tur82, BSW02]. User
[BD86, BPD09, BBPD12, BPB13, Fol86a, Fol86b, Fol86c, HC86, Hu89, Jac86, Pel05, ReE93, RO94, GB08a, HRE08, KKB11, LZC11, Ols84, PCL16, PTG02, SH08, WPC14, YCWY20, ZZI17].

User-assisted [BPD09, BBZ13].
user-centered [GB08a].

User-configurable [Pel05]. user-created
[HRE08]. User-guided
[BBPD12, ZZI17]. User-Interface
[RvE93]. user-specified [WPC14]. users
[KP09, KP10].

Using [BIW93, BBB93, BJNJ18, BN90, CM21, CGM91, CSS96, CJM21, DNZ17b, DGH16, Duf17a, DKD17a, EC93, Fat14, GF82, GXY17a, HCOB10, HGM14, Hud94, HWZ20, IH20, JWI21, JGN16, KL17a, KLN19, LLK19, LLN14, LH17a, MHS19a, MHT21, NID20, PMD19, RLY14, SDN18, ST16, SG17, SHD14, SHS18, SB01, Spr82, TSLP14, TB87, VMMK10, WMB21, WK95, War92, XZZ18, XLCB15, YZW16, YLC20, YFFA21, YCP16, ZB94, ZWK14, AZM12, Ada21, Aga07, ARN05, ALK17, APC01, AZB09, AYL12, ABA02, ACSM12, ASL17, AAM03, BCT15, BKGK17, BAS14, BWSS09, BCN08, BP08, GS10, BGAM12, BAN13, BKKL15, BBO91, BHB91, BLC09, BM08, BG16, BBG13, BBB12, BL15, BDK16, BWKS11, BvdPPH11, BPC16, BNTS07, BFK16, BSEH18, CHWH17, CK14b, CB04, CL97, CH07, CKS17, CRG12, CNX18, CLW14, CBW18, CM11]. using

[CLSA20, CPWAP08, CLQW08, CWL12, CSL03, CS09, CIN17, CK11, DNZ17a, DSB12, DH96, DLF12, DZS08, DYN03, DIO12, DZP09, Duf17b, DDP09, DKD17b, EKD17, EBO8, FXB16, FBH10, Fat09b, Fat11, FLB17, FKY08, FSH11b, FCJ07, FLST14, GJTP17, GGG13,
GLA+19, GFT+11, GLDZ15, GWP+19, GNS+12, GF12, GKJ+05, GBAM11, GJWW14, GXV+17b, GSH+20, HJJ1a, HTC+14, HET+14, HRL15, HE07, HHGH13, HLR+14, HDN+16, HSS98, HAB20, HSTP11, HLHR09, HSHF10, HMLL14, HMLL15, HXC+20, HZJ11, HLBR12, HKAK14, IOO05, IMF+21, JKSH13, JL11a, JNSJ11, JTL+12, JZV+15, JWDL19, JCRA11, JMA06, JKZS10, JMAK10, JZvP+08, KL17b, KCW+18, KT03, KGS+18, KSES14, Kim10, KLM+12, KLF+19, KSE+03, KLV20, LJS+15, LLDD09, LHKR10, LW+11, LCXS09, LLRR04, LCTS05, LZF10, LDF14, LLW04, LGX+13, LLZM10, LLX+12, LH16, LVS+16, LWL+17, LDP+17, LTT+20].

**using** [LRFH13, LWO19, LZC20, LXV+11, LCK+14, LH1b, LH18, LSCS14, LB05, LH04, LEQ+07, MJC+08, MTP+18, MRL+14, MWBR13, MPN+02, MZD05, MTPS04, MRA+13, MSL+11, MB12, MS04, MM06, MWM08, MDLH10, MWT13, MGT+03, MAB+15, MHR+16, NYY04, NSX+18, Nah20, NZV+11, NNC+20, NSCL08, NKGR06, NFD07, NRH03, NL13, NZIS13, OLAH14, PZM13, PBH15, PRJ+13, Par17, PCSS06, PMS12, PTDY07, PL07, PBvdP13, PBvdP16, PBVY17, PPW18, PTS09, PTC+10, PGZ+19, PEV+21, QZG+19, RTF+04, RAT06, RN07+07, Rgb16, RGF+20, RWS+06, RDL+15, RKB04, RKZ11, RMBB+13, SHM+18, SMH+11, SW5, SNCH08, SWM06, ST14, SvTSH14, SED16, SBSS12, SAL+08, SWTC14, SSH+17, SQA11, SHK+14, SHM+14, SGG+06, SLWS07, SRL+15, TMRL14, TK14, TZX+11, TG13, TZN19, TS06, TYY+19, TTO9, UBW99, VABV09, VS121, VPB+09b, WIK+06, WBS07, WHSC97, WZT+08a, WHDK12, WYY+14].

**using** [WLL+14, WSXC16, WZK+17, WMB19, WJL+20, WG09, WZC12, WLRH12, WMP+06, WJJ+05, WM03, WGP+10, Xia21, XLI+09, XWW+14, XZSB15, YCR+15, YL10, YL12, YJB+14, YYW+12a, YBY+13, YT13, YCHK15, ZRLK07, ZLY+21, ZMB11, ZFO3, ZHS+05, ZRL+08, ZTF+18, XSS+21, ZKU+04, Zit13, ZN1+14].

**UV** [HDC07, PTH+17, Tar16]. **UV-maps** [Tar16].

v [LJGH11, Mir98]. **V-Clip** [Mir98]. **v-style** [LJGH11]. **VAEs** [LZC20]. **valid** [FP03, UIM12, WMC11]. **validated** [FCGH08, GWM+08]. **validation** [RLR+21].

**validity** [SSM15]. **valley** [OBS04]. **variability** [KMYG12, OLGM11, ROA+13]. **variable** [LK20, ZF03]. **variable-coefficient** [ZF03].

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

**Variance-minimizing** [MCKS+17].

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

**variants** [LL19]. **Variates** [CJM21, MRKN20, RJN16].

**Variation** [MGDA+15, LBJK09, MLH+09, XYXJ12].

**Variational** [ACSYD05, BCWG09, CSAD04, FSK04, HCJ19, LBB17a, Sar00, SC18b, ZZWC12, BBB07, DK09, GWAB19, KS98, LMH+15, MMTD07, SHM+18, WP10, XLI17].

**Variations** [BS90, BSW13, BL15, DMIF15, GBLM16, HOM15, ZHG+16]. **varied** [HRE+08, SSJ+14]. **variety** [MLD+08].

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

**Varrier** [SMG+05]. **Varying** [Fol87, ALX+14, AXZ+15, BJ10a, BHR13, BB17, BKCO16, BATU18, DRvdP15, DWP+10, DTPG12, DCP+14b, GTR+06, HED05, HMP+08, LXR+18, MGS+21, MAF+09, MAG+09, PFB+20, TDMS16, TDG18, WRG+09, XDPT16, XZY+17]. **Vax** [Lev84]. **VDAC** [MAYZ+20]. **VDB** [Muk13]. **VDP** [MKRH11]. **Vector** [AOCBC15, BSEH18, CM83, DRvdP14, DRvdP15, LTDD16, SSC19b, SWWW15].
velocity-based vehicles [GNS07, XLY09, XSTN14].

vectorial [BBG12].

Veiling [TAHL07]. velocimetry [XIAP17].

Velocity [ErI07, GNS+12, SS11, XIAP17].

Velocity-based [ErI07]. velocity-vorticity [GNS+12]. Venant [BJ05, KTY09].

venation [RFL+05]. ventral [WKF+21].

Verbal [CZ+14]. vergence [TDM+14].

verification [QJ21]. Versatile [AIA+12, AA13, HNB+06, TKTS11].

versus [LD06, LDS02, WQF+21]. vertex

Vertices [YCP16, BDD11, LZW10]. vertices-based [BDD11]. Very [JGC+15].

Via

[Pra89, AMZ99, AW20, AAPS16, AAPS17, ALX+14, ARS14, BPK+13, BHR13, BVS16, BS19, Bou18, CCWL18, CLJ+20, CPW21, CYT+18, CPS13, DGHM93, DLX+21, ED04, FMYW+18, Fat07, FPBC020, FCW+17, FMW20, GGY18, GPBS19, GZC15, HFW+19, HS13, HCS13, HvKW+16, HWV+18, HSS+13, HCW15, HKW15, HXM+18, HCP21, IYY114, JBM+17, JJJ+21, JW15, JKT+15, KEE13, KAE20, KYS+15, KSS06, KJDL09, KTL+04, KLPC18, LLF+20, LMLO17, LVK21, LSQ+15, LV18, Lconciliation, LZW+20, LZBC21, LSV15, MKD+16, MGA+17, MIB15, NBLCO20, OBS03, PCLC16, PO18, RBB+04, RPWO18, SCM12, SAJ21, She13, SBK+18, SPSh+17, SrKK+11, SOHK16, SLMR14, SJA+20, TLG17a, TLG17b, TEG18, TWB003, THW+14, WYX+14, WLY+16, WLT16, WYL+20, WSS+19, WPL18, WTB07b, WYXJ21, XZZ+14, XLXJ11, XYXJ12, XCS+14, YC21, ZXJ+13, ZYM+20, ZSSJL20, ZYL+17].

vibrating

[BF12].

Vibration [HXK+19, JBP06].

Vibration-minimizing [HXK+19].

Vid2Player [ZSFA21].

Video

[ACMS10, BDG15, BJS+08, BGSA10, Bea88, BM05, BNTS07, CWL12, CK20, CAC+02, DSJ+11, DLX+21, FJA+14, GZC+16, GF12, HXZ+19, HLSH18, JHS15, LLK+19, LS05, LHM+18, LXC+15, PCSS06, RKS+14, ST04, SBSH18, SAA+21, SGDA+10, VSH12, WSSC04, WZM+13, XLS+11, XCP+18, ZSAF21, AWL+20, AZP+05, AXR09, AGB+16, ASC+14, BWS09, BAAR12, BBPP10, BM07, BLA2, BSHK04, BZCC10, BSSP13, BST+14, BVS+15, CAD+21, CTSM03, CCS+15, CM10, CSR10, CWT17, DRW+14, DCD15, FZL+15, FL11, FAC11, FF11, FTZ+19, GVTW13, GZW+16, GO11, GCSS06, GWN+03, GB08b, HAK16, IBP15, JST+19, JLF+09, JMA06, KSB+13, KUWS03, KC19, KGT+18, KW+15, KDMW17, Kop16, KLHG09, KB+12, KSE+03, LD17, LDR+11, LHZ15, LFH15, LGJ09, LGW+15, UTY13, LT14, LCD+20, MZMS04, MEMS06, MDC+21, MCE+17, MMP+05, MRZ16, PCH18, RAKRF08, RZ+07, RSA08, SSRB+17].

video [SLJT08, SMR07, TKT11, TKITT12, VAM06, WRDF13, WBC+05, WFS+09, WLSL10, WHSL11, WZK+17, WMB+20, WC10, WQG06, WR+12, XYJ13, YGL+14, ZWZ+16, ZCT+21, ZLY+21, ZQP12, ZYQ+14, ZKU+04, dAST+08, vdHDT+07, BWSS09].

Video-audio [LXC+15]. Video-based

[SGDA+10, VSH12, WNZ+13, XLS+11, BWP10]. Video-guided [PCSS06].

videoconferencing [EMT+20].

videography [XYH+18, ZMN+19].

VideoMocap [WC10].

videorealistic

[EGP02]. Videos [LZ+19, MUH19, TWLT19, BDG15, BWP10, CWW+13a, HXFW20, JTST10, KCS14, LLZ18, MTM16,
MGC+19, MNBN07, PKM+18, SWTC14, SBLD15, TZZ+18, WLZ+09, WSZ+14. **Videoscapes** [TKKT12]. **VideoSnappling** [WSZ+14]. **VideoTrace** [vdHDT+07].

**Vidgets** [XBNZ19]. **View** [ASN+20, Gla90, HNH19, PYY90, WBF+17a, WTT+03, YPA+18, ZFF+21, ZFT+21, BMSR20, CW+12, DSAP+13, DFL+15, DDD+14, DSC+20, FZBR16, GAF+10, HHC18, HMLL15, HWK15, KWR16, Kou16, KYC+17, LACS08, LAGP09, LTJ18, MLR+14, MDC+21, MSOC+19, NMD+17, NOP+18, NZV+11, ODAO15, PZI17, PGZ+19, SHZ+20, VBK05, VBMP+08, VPB+09b, WBF+17b, WLH+13, XL+11, XLX+16, XBS+19, ZCW+17, ZTF+18, ZKU+04, dAST+08]. **view-** [BMSR20]. **View-dependent** [WWT+03]. **viewer** [NYO+04]. **viewfinder** [SLV+13].

**Viewpoint** [HNH19, AAC+06, CTMS03, CCS+15, GCD+20, HPP+18, SLF+11, TFK+03, ZLY+21]. **views** [HMC11, WQ05]. **Virtual** [ACP+01, AS21, DFYL19, HKWB09, HCS6, KAW20, MNN+21, NNJL12, TZZ+18, WBF+17a, WBF+17b, ALY+08, AGB+16, BM05, DKH+10, Did18, EVC+15, EAPL06, HMO12, HRZ+13, JWV+20, KDMW17, KKW20, KKB+11, KOOP11, LSL+18, LCL06, LWB03, MGK17, MB2B, MIWB02, MSSG+21, MBF04, OEE+18, PSDK+16, RRS19, SMG+05, SSRB+17, SMG+20, SSC10, SBK11, SWK16, SPW+18, TGD04]. **VirtualStudio2Go** [GB05b]. **viscoelastic** [BGFA07, FLGJ19, GBO04, SXH+21, WT08]. **viscoplastic** [BWT+07].

**viscosity** [GWAB19, LBB17a, NSS+19, PICT15, TB20]. **viscous** [BUAG12, BALV+10, LBB17a, VHRBC18]. **viseme** [ELFS16]. **Visemenet** [ZXL+18].

**Visibility** [ASL+17, SS00, Wli92, ZWRY21, BGAM12, BMW+09, DSDD+07, DD02a, DDP99, DDP02, EP09, GBAM11, HJJ1a, KTB07, LSCO03, MKRH11, MGT+03, RAMN12, WWZ+06]. **Visibility-consistent** [ASL+17]. **Visible** [SG82, WGY+18, WS85, HCCO+07, MDC+21].

**Visio** [MPK09]. **Visio-** [MTA+20]. **VisioWand** [CB04]. **Visual** [CXW+05, DA18, JGC+15, LYY+17, MGDA+15, NWYM19, PKD+19, RFWB07, SBLD15, VMKK00, WKK59, YPG01, ARS14, BB15, DRW+14, DK99, DMHG13, DDD+14, EML+18, GOSO12, HWBR14, KRF+18, KSSI17, LW08, MKRH11, MWH+09, ODGK03, POAR12, PCLC16, SCS+08, SMHW16, SMGE11, WWS+05, YP16, YCL+17, ZLE14]. **VisualIDs** [LRF04].

**Visualization** [Shn92, BDM09, CKPS17, CG+04, DKT11, GCSS06, GT17, HCH+09, NAAH03, RFL+05, WKR99, vW02, vW09].**

**Volume** [FGK94, KF91, WF96, KGFF+14, VWJ+13]. **Visuomotor** [EHNS02, YLP12]. **Vivace** [FTP16]. **VisGen** [YPB16]. **VNect** [MSS+17]. **VoCo** [JMD+17]. **voice** [TFK+03]. **void** [LV81]. **VolCCD** [TM+11]. **Volume** [AMG+19, AFC+10, HZE+19, ISF+07, Lev90, LCOR10, LEQ+07, Mal93, Tar16, AAM03, BTFN+08, BKR+05, DW+18, GZB+13, HJJ1b, JTSW17, KLL+07, MAYZ+20, MCA15, McC00, ODAO15, TMY+11, WBS07, WFP12].

**Volume-aware** [AMG+19]. **Volume-encoded** [Tar16]. **Volumes** [SVB17a, CPS15, KHLN17, LAA+05, LSS+19, Mus13, PRK+17, PSF09, SAJ21, SOA11, SVB17b, WYZG11, ZHRB13].

**Volumetric** [DPW15, GLZ+21, MJG18, OKH+16, ONO04, PBS20, RMD04, TSN10, ABL+21, ACA+19, BCRK+10, BMSR20, CWW+09, DDP99, DDP02, EP09, GBAM11, HJJ1a, KTB07, LSCO03, MKRH11, MGT+03, RAMN12, WWZ+06].
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