A Complete Bibliography of ACM Transactions on Graphics

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Title word cross-reference

2 [AWL+19, BKL16, BHR13, BSW02, BSM+07, DBB+17, EPD09, GIZ09, HGRT04, HIl87, HDK07, JSKJ12, KFCO+07, LT09, LPL+17, LHVT17a, LHVT17b, Mai92, NG18, RMD12, SLV+13, Shm92, XCS+14].
2.5 [RID10]. 3
[AJS20, AKZ+17, AL13, ALX+14, AXZ+15, AZB09, AAR05, AHS+08, ARS14, BVF+17a, BIP01, BP07, BSS+11, BSK+16, BBN+12, BVG11, BGK+13, BWSS12, BVS16, Bly06, BSM+07, BR07, BAU15, BATU18, CCA+12, CB04, CWLZ13, CMZP14, CK10, CKGK11, CGF09, CSPF12, CZS+13, CLD+13, CZL+15b, CKIW15, CLF+18, DNZ+17b, DNZ+17a, D15, DTP15, DLSCS08, DSAF+13, DIP+18, DHL14, DDP02, DSC+20, ESCK16, EBGB14, EDF+16, EST+20, EPD09, ESZ+17, ERP+19, EM96, FZBR16, FJL+16, FH10, FRJ+12, FSL+15, FMK+03, GDAB+17a, GDAB+17b, GZW+16, GZC+16, GIZ09, GM05, GF08, GGS03, GTDS10, GKH12, GWN+03, GWB05, GHL+20, GFD+12, GRT13, GZC15, HGRT04, HGY17, HASK17, HK18a, HNH19, HLHR09, HLZ10, HDK07, HMC11, HLV+17a, HLV+17b, HTWB11, HCTW11, HMT+15, HDGN17, Hid92, HOM15, IBP15, ICG17, JTR12, JBM+17, JLF+09, JBX+20].
3 [JZH07, KMM+02, KHS10, KH06, KSH+14, KDM+16, KDR+16, KDW+17, KSES14, KMYG12, KLM+12, KRD+12, KLM+13, KLKL13, KTL+04, KDMW17, KSS+15,
SSII18a, GDG+17, WAH+10, ZZB+18.

Aerial [HNH19, Liu18, OKH+16, SMGH18, NOP+18, ZXF+20]. Aerobatics [WPL18]. aerodynamic [DYN03, U818].

Aerodynamics [XIM18, MUB15]. Aerophones [AR15]. aesthetically [GSH18]. Aether [ALL17]. affect [HCOB10].


Aided [BG89b, Gol84, Gol85a, SMPZ15]. Aired [BG89b, Gol84, Gol85a, SMPZ15]. AIM [Ano10]. Air [MCKM15, CFW13, LSCS14, SPGI13].

Airbrush [SMPZ15]. AIREAL [SPG13]. airbrushes [GB82, SO92, WS85, Zyd88, AAM03, LM97, Mey91, MPB17a, PF89, Sah18, Sai89, SG82, SO92, WS85, Zyd88, AAM03, BCRK+10, BSFG09, CS00, EKA84, EPD09, GI04, GMP09, GD04, LZF10, MMT18, MFB04, MBP17b, RHB05, SYBF06, SOA11, SSB03, WX90, XCM+14, YXH14].

Algorithms

[Bak94, CMS95, CLS85, DGHM93, Dun83, EM90, Jan91, Kha91b, Kro82, MD94, MST89, RV89, VN85, EKA84, HDN+16, KW03, LJJH11, RKA+12, Sp82, WDB+08]. alias [SOA11]. alias-free [SOA11]. Aliasing [Tur82, BAM13, HSD13].

Aligned [MLS+18, ZVC+20, CPMS14, GDC15, HTWB11, JTPSH15, MWR12, MWRD13, MYRD14, MPKZ10, MPZ14, PLS+15, STJ+17, TPP+11, XCOJ+09]. ALIGNet [HFW+19]. Alignment [HFW+19, HXM+18, LHJ+14, ARS14, BR07, CWTW17, FZZ+20, HZM+08, SPK16, SRL+15, WGP+10, WSH19, XLY09, YSW+20, ZLE14, BZL+17]. alive [CMT+12, HLYK08, LBB02].

All-frequency [NRH03, TS06, WTL05, WTL06b, WRC+09, ADM+08, NRH04, XCM+14]. All-hex [FXXB16, LLX+12]. all-pairs [AP08].


amorphous [ZYL+20]. Amortized [YNS+19]. Amplification [PGP+19].

analogue [HSHF10]. analogies [WWH06]. analogue [SR97]. analogy [LYY+17].

Analysis [BBS14a, CM83, DKD+17a, EC93, KP92, Kha91b, LLZM10, LTDD16, LDW97, Mai92, MOR+18, OZ12, SPV+16, VFK+14, WBCPS19, WMP+06, Wu92, YKGA17a, YZX+18, ZXT15, BHR13, BBB+14, BWM10, CCO+05, DHS+05, DKD+17b, ETH+09, EHDR11, FKY08, FY96, GF08, HXZ20, HSTP11, HVR97, HwK+16, HSS+13, HKW15, HHA+10, JSKJ12, KSHG18, KPS03, KCG14, LBD+16, LHG+09, LHH04, MC12, OK10, OHX+14, Par17, PSC+15, PCHF18, RM07, ST14, SJ17, SK13, TOS+03, WavK+12, WG+13, WYL+14, WL+17, WW11, XHS+15, YGK17b, ZTS09, ZN06, XJX+13, ZPZ13, vKXZ+13]. analysis/synthesis [TOS+03].

Analytic [Cas91, NL13, SKS09, SDK19, WR18, BLPW14, HW12, SRN05, SLR18, WAK20]. analytical [GBA11]. analytically [GHZ+20]. analytics [SHK+14]. analyze
analyze-and-edit [GSMCO09].  

Analyzing [Che13, SHH99, HWG14, KGFF14].  

anatomical [KIL+16]. anatomically [DZS08, SZK15, WBGB16].  

anatomically-based [SZK15].  

anatomically-constrained [WBGB16]. Anatomy [AHLG+13].  

Anderson [PDZ+18]. angle [CAA09, PRP+15, SSL91, TA+10].  

angle-based [PRP+15]. angles [LS07].  

angular [KZP+13]. animal [WP09a, XWL+08]. animals [WPP14].  

animatable [SgDa+10]. Animated [FZLM11, TGBE16, VKJ+17, BCC17, CS09, HRvdP04, LCR+02, MBB12, MA06, NSB13, OHR14, SN17, SS17, SDO+10, TLP18, WIK+06, WG09].  

Animating [BDWR12, CJ11, CGZ+05, CTTL15, EB08, FOA03, FOK05, GPH+18, KA08, MWT13, SRH+15, StvTH14, SJM17, XKK+06, XWL+08, YL08, ZB05, BAAR12, BWHT07, BBS+13, CMT04, CLQW08, GBO04, LJJ16, PH06, PTG12, PNDN12, SB12, TMB14, WCF07, WCL+20].  

Animation [AJS20, BC14, EMF02, EHSN20, EAPL06, HTCH15, JW15, MMG06, RPC+10, SDN18, TBV+12, AWL+20, AHSS04, ASK+05, BKL16, BP07, Bisp09, BJS+08, BCK+13, BWP13, BFA02, CTTF05, CWLZ13, CHZ14, CWW+16, CH05, Cós19, Cor18, DRvdP15, DYP03, DBB+17, DSC+20, Ehr07, EGP02, FL04, FYIK10, GSZ+18, GB13, GMP+16, GRGC15, HYL12, HDK07, IkkP17, IWZL09, JTCW07, JGGN15, KIL+16, KAL+17, KSkl14, KPM+17, KG+16, KFC06, KCD09, LJ14, LLL18, LYYB13, LWL17, LXC+15, Mcc09, MCP+09, NZC+18, NSCL08, NkA08, NFJ02, OBH02, OLsL16, Pka+05, PB02, RP03, RP07, SHW19, SSK+11, SY05, SKS08, SKM10, SKP08, TKY+17, TLP07, VBMP08, WP06, WAH+10, WDaco6, WHRO10, WSXC16, WQLJ18, WSS+19, WBLP11, WSL13, WFL+19, YL10, YRPF09, YCZ11, YGM97, ZSCS04, ZM13, ZXL+18, ZHS+20, ZPBC19, ZMCF05, ZBBB18, SDP09].  

Animations [PM18, DKLS18, FJS+17, GSKJ03, HOKP16, JTO5, JFA+15, KGO6, LP02, LMY+13, ODGK03, cWP03, XWSY15, YKH04].  

animator [ELFS16, ZXL+18].  

animator-centric [ELFS16, ZXL+18].  

AniMesh [JGNN15]. Anisotropic [ACSD+03, BX03, Bsty15, FLSG14, GZD08, JGT17, KDI19, LWSF10, LRL+15, MCC99, Ste20, XSD+13, CK11, FZZ+20, JAM+10, NSO12, PPTSH14, PLMR17, PTC+10, PH15a, SJJ1, TOH08, WZT+08b, WCL+20, XLZ+10, YT13, ZJ18, ZHLB10, ZWDR16, ZGW+13].  

anisotropy [BldG+16, KF04]. annealed [Yyw+12a]. annealing [DH96]. annotated [BUSB13, LCL06]. annotation [Ykc+16]. annotations [AF003, GIZ09, TFK+03].  

Anti [Tur82, BAm13]. Anti-Aliasing [Tur82, BAm13].  

Antialiased [Kla91a, DH+13]. Antialiased [BYRN17a, BYRN17b, YSLH11, CS00, GT96].  

antiradiance [DSDD07].  

Any [GRH+12, GZ05, MWY15]. Aperture [PC82, Bcn08, Gmso7, GWGb10, LFDF07, LCV+04, LLW+08, VRa+07].  

Apparent [DER+10, IM10, JDA07].  

Appeal [WZC+20]. Appearance [CBKM15, DBP+15, DCP+14b, DWMG15, HX+18, KSZ+15, LH06a, SPsh14, TW220, VADWG15, VB+18, WTL+06a, AYL+12, AP08, ATDP11, BUsB13, DCP14a, GN18, Gxz+13, GRB+18, GTR+06, JFA+15, JSB+10, KWN+17, KRK11, KBC+13, KFB10, LMS+19, LEN09, LDpt13, LKG+03a, LDpt17, LSs18, MWAM05, Mdlw15, MGZJ20, OAD015, PL07, PLMR17, RP+12, SBdDJ13, SG+16, SLS+16, TDG18, WM14, Wzyr19, Xmr+11, ZMB11, ZMmB12].  

appearance-driven [PL07].
Appearance-from-motion \cite{DCP+14a}.
Appearance-mimicking \cite{SPSH14}.
Appearance-preserving \cite{TWZ20}.
Appearance-space \cite{LH06a, ATDP11}.
AppGen \cite{DTPG11}.
AppIm \cite{DCP14a}.
Application \cite{BLDA11, CA00, DRC+15, RO85, RO87, AG05, BA83}.
Applications \cite{APH+14, DTPG11, DCP14a}.
Approach \cite{AOCBC15, Bar86, Cas91, DKD+17, EM96, FH97, GM84, MC92, MGDA15, PPV95, SLGS01, Shn92, SHS18, BLR11, CWW13, CDM02, DWT02, DKD+17, DIO+12, DKT+17, FB10, GSKC09, GD04, HZW12, LL08, MMCK14, MASS15, SMG+20, XLC+16, YGL+14}.
applied \cite{BLR11, SABS14}.
AppProp \cite{AP08}.
Appreciation \cite{Fiu00}.
Approaches \cite{Mil87, FH04b}.
Approximate \cite{DYYT17, HLZCO14, LW15, MCI83, NFD07, TLJP18}.
approximately \cite{CZM+10}.
Approximating \cite{Hub96, LS08, LSNC09, GI04, LL08, S0S04}.
Approximation \cite{BIW93, LFZ15, GBE16, Tsa15, BO04, CB17, CPW08, CH98, CASD04, FD17, IRHS15, MCSA15, NR03, PZM13, SSR20, TGB13, TS06, TS12, WSS+05, WYY+14, WDB+08, YLJ18, ZYW708}.
Approximations \cite{DLTW90, Tan94, BODO18, HW16, KFB10}.
AppWand \cite{PL07}.
AppWarp \cite{ATDP11}.
Arbitrarily \cite{HA92, KG06}.
Arbitrary \cite{CSZZ20, EPO91, LDW97, Sar00, Sei93, AFC+10, BVG11, BW13, GD02, GLD+19, GH98, GHZ18, HF06, PO05, STA03, TDL+02, WZ14, WPG16, YZ04, ZY+03, Z712, ZWL+18}.
arc \cite{BPK+11}.
arbicular \cite{HA92, KG06}.
Artificial \cite{PTSG09}.
Artifactor \cite{ARNL05, CHM12, GRBN09}.
artificial \cite{PTSG09}.
artifacts \cite{ARNL05, CHM12, GRBN09}.
artist \cite{BKLP16, BSM88, SSK+11, LRS18, SPJT10}.
artist-directed \cite{BKLP16}.
artist-intended \cite{LRS18}.
Artistic \cite{BST09, CA00, NJS+11, RRS13}.
antist \cite{SLD17}.
As-rigid-as-possible \cite{IMH05}.
Averages [BF01, PBDSH13]. avoidance
KOOP11]. avoiding [Fat09a]. Aware
MJJG18, TZZ18, ALL+20, AMG+19, AFTCO07, AS07, BWKS11, CAO09,
CAD19, CPD07, CLMK17, DAD+18, DLSCS08, DRE+12, EMU15, ESZ+17,
FFL10, FSGF16, GO11, HPSZ11, HK18b, HWG+13, KE18, KH10, KRK11, KP18,
LASD+16, LLZ18, LYC18, LWCT14, LWIH15, LFJG17, LXS+18, LGG+07, LSC+12,
LLR13, MLPP09, NID20, OHHD18, PQW+08, PHK11, PGZ+19, PLR+16,
PLKD18, RnB+03, RND+07, RAWV08, RVAL09, SLS+07, SRB+19, TSL+16,
TFK+03, TAKW+19, WFS+09, WLP16, WWL+19, XYW+09, YWS+11, ZAC+17,
ZJMB12, ZQCL19, ZQPM12, ZHS+18, ZJX16, ZLY16, ZLY17a, LSSW19, MCY14,
ST16, SLGS01, SS00, WMY120, Wes88, YYL+19, YIC+14, AHS04, Avd16,
AASP17a, AVF17, AVB08, ATW+17, AG05, ASF+13, AAM03, BBPP10, BPO8, BDD11,
BC02, BHC+13, BSHK04, BKR17, BSPP13, BJ+12, BBN13, BD02b, BLDG+16,
CWW+16, CH07, CFL+15, CEGK11, CDWH13, CNX+08, CKW15, CWL12,
CBL+16, CGZ08, CT17, CTM13, CBvdP09, CW13b, DBG14, DSB+12, DJ17, DS15,
DGP14a, DYN03, DKNY08, DDT015, DFL+15, DCOY03, DYY16, DBB+17,
DLS18, EB+12, EC96, EVC+15, EHSN20, Ert07, FCA09, FJ+16, FJS+17,
FH10, FR+12, FH04b, FTZ+19, FKN17, GPCP13, GZ10, GvdPvdS13, GPD+18,
GGG+13, GB13, GLA+19, GBFP11, GZO8, DJ18a, GMP09, GBC+13, GMHP04,
GDD+17, GBK05]. based
GS04, HNS05, H05, HW16, HGY17, HLW+18, HTG14, HCL+18, HTER04,
HRDB16, HPP+18, HLR+17, HBM03, HHC+19, HZW+13, HES11, IKK17,
IWZL09, JLS+03, JLY09, JLL1a, JZW+15, JRPW20, JMD+17, JW+14, JTSB16,
JZvdP+08, KIL+16, KSB+13, KWR16, KJ10, KCKK12, KRFB06, KTY09,
hKPS03, KLM+13, KO11, KWB+15, KNC+08, KLS+13, KEBK05, LWA+12,
LK02, LDPS84, Lee05, LAD08, LKG+03a, LWP10, LWC12, LWL17, LLP+18, LLX+01,
LWO19, LHP5, LvdP+10, LCL+17, LH17b, LCT19, LYFD12, LFB+13, MM13,
MMH+09, MS05, MTGG11, MPN+02, MSM11, MLH+09, MRA+13, MWR13,
MBT+15, MS04, MWH+09, MGJ120, MdLH10, MRC05, MHTG05, MZV07,
NSAC005, NKA08, NSF02, NFP02, ODG103, OPD010, OGD12, OGD15, PRP+15,
PSN20, PKG16, PAK+19, PALvdP18,
biomechanics [WZB17]. biomimetic [NZC+18]. biped [CLS03, CBvdP10, LKL10, LLK+15, SKL07, VSHJ12, YLvdP07].

bipedal [GvdPvdS13, cWP10]. bird [cWP03]. Birefactive [BGK16].

birefringency [WW08]. Bisector [EK98, ZWK14]. bispectral [HHA+10].

bitmap [GS82, Pfl83]. black [LYC18, TYY+19]. black-and-white [LYC18]. black-box [TYY+19].

blackboard [SBLD15]. blackboard-style [SBLD15]. blend [GBC+13, LD13].

Blended [KLF11, ZBK18]. Blending [Fil89, RWTT14, Roc89, War89, ALX+14, ATW+17, HPP+18, KCZ08, NSS+19].


Blocking [SLS+16]. Blocks [LW15, CLF+18, LCL06]. Blockwise [KIM+19]. Blossoming [DGHM93]. Blue [Fat11, HSD13, JZW+15, MEA+18, QC17b, dGBOD12, APC+16, WA20, CGW+13, GW+03, KTBV16, KCODL06, LWSF10, ODJ04, QCHC17a, SLS+16, SZG+13, Wei10]. blue-c [GW+03].

Blue-Noise [MEA+18, Fat11, AW20, SZG+13]. Blur [VMCS15, AXR09, BHR13, BSS+13, ETH+09, HCOB10, HQL+10, LES10, LSR18].

blurred [YSQS07]. blurred/noisy [YSQS07]. Bodies [BC14, CMT04, CF13, DBB+17, GBF03, HRZ+13, IGLF06, JTSB16, KE05, LHLK10, PMS12, RGL05, RTB17, SZK15, WMW15, ZFL+10].


Boom [TFK+03]. Boosting [DMB+14].

bootstrapping [DWT+10]. Botanical [WZB17, WLX+18, IO09, PSK+12, PZH+17]. Bounce [WSJP17, MDK16]. Boundaries [BGI+18, BW+16, KGB+09, LFB+13, LC19, SS15, WZH10, WZ14].

Boundary [DS92, HTW81, RS98, RV93, SC18a, SV93, SVB17a, SVB7, SGW18, SJ19, DF88, HW15, HW16, HDS+18, IKCM13, PTSG09, SM10, SS17, WAK20, ZLB16a].

Bounding [CW15, CCW16, CLW16, JBPS11, Lip12, LYP+14, AD03, AL13, BT99, CKB13, KAB15, LW16, LRY+19, PMHD19, ZG02]. bounded-error [BDT99]. Bounding [CB17, CGM11, SHH99, VAS+99, WBS07].

Bounds [CCK92, LAK11]. Box [HHX+18, LVS18, CGM11, JBL18, SRL+15, TYY+19]. Boxelization [ZSMS14]. boxes [SH19, ZSMS14].

braided [HML+14]. Branching [GB+20].

BRDF [BAOR06, BAERD08, CDP+14, EB+06, LK02, LRR04, LKUY12, NR15, RGB16, XNY+16]. BRDF-based [LK02].

BRDFs [BSN16, LBPW14, LGX+13, SNC+7, SJ18, XCM+14]. Break [STX15].


Bringing [AECOKC17]. bristle [CK15].

brittle [HW15, HW16]. Brook [BFH+04].

browsing [KCS10, T07]. Brush [PF89, CTW09, HTER04]. brushes [DJ17].

Brute [GIF+18]. Brute-Force [GIF+18].

BSDFs [GHZ18, HHdD16, BSM19].

BSGP [HZG08]. BSP [GMP09].

BSP-based [GMP09]. BSSRDF [DLR+09, YSR17]. bubble [BDWR12, KySK10, PCK+19]. Bubbles
McC99, OKH+17, PSC+15, RAMN12, RMGH15, SHHD17, SD12, SWZ96, SJ17.
Carry [MTA+20]. cartography [TBW+12].
cartography-intrinsic [TBW+12].
Cartoon [BCV+15, BOD+13, DLKS18, RID10, WDAC06]. cartoons
[BLCD02, WWH06]. carve
[MAYZ+20, ZZX+18]. carving
[AS07, DZPZ09, RSA08, SSZCO10].
Cascaded [HLR+14, WLT16]. cascading
[SZT+07]. case
[McK87, PRZ17, SZB18, ZPZ13]. Cases
[EM90]. Casteljau [Pra89]. casting
[KGB+09]. Casual
[AECO15, HASK17, BYLR20, DSC+20, HWV+18, TT09, ZMN+19]. casually
[BBPP10]. CAT [HRGT04]. catadioptric
[KN06, TAV+10]. catadioptrical [NYY04].
catalog [BUSB13]. catalogue [DFL+15].
cataracts [PPZ+11]. Catch [MTA+20].
catching
[MLH+09]. Catmull [DB88, LFS16, LG14, LS08, MRF06, NLMD12].
Catmull-Rom [DB88]. CATRA [PPZ+11].
causal [RCLM19]. causality [HMO12].
caustic [MMT18, STTP14]. Caustics
[YIC+14, GGLM+08]. CD [WFL+19].
CD-PM [WFL+19]. cel [LMY+13]. cell
[AA06, CMSA20, CM11, FG+17, JSS+15].
cellular [HSF07]. Center [TFD+18].
centered [GB08a]. centers [LH16]. centric
[ELFS16, FSL+15, KCF14, ZXL+18].
Centroidal
[XLC+16, KLV20, LWL+09, LXY+16, LL10].
CFL [WLF+20]. CFL-Rate [WLF+20]. Cg
[MGAK03]. Chain
[JMI2, YYL+19, OKH+17, RCLM19].
Chain-Based [YYL+19]. chaining
[XYH+18]. Chains [Go84, Go85a].
challenging [DKD+16]. chameleon
[TFK+03]. chandeliers [PCK+19]. change
[BW13, SSJ+14, ZPBK17]. changes
[DFW20, HrvdP04, KBC+13, WM14, WTGT10, WRS+12]. changing
[MBF04, PH15a]. channel
[HLR+17, WYL+20]. Character
[BCV+15, BVF17b, Cor18, EHSN20, HDK07, HCH15, LZCV+20, WALT+10, WZC+20,awl+19, AVF17, DYP03, GCR13, GRGC15, HYL12, HKT10, HSK16, HSK17, IWZL09, JG+14, JMD+07, KS12, KHKL09, LL09, LWB+10, LLL18, LWH+12, LPS20, LP02, MZS+11, MMG06, MG03, PALvdP18, RP03, RP07, RTK+15, SH08, SLSY08, SZKZ20, TBvdP04, TLP07, VGB+14, WLO+14, YL10, dSDP09]. character-agnostic [AWL+19]. Characterization [CSBC+17a, CO19, CSBC+17b, RZK11, SMCT18, SD98]. characterizations [Cl97]. characterizes
[ZCL18]. Characterizing [FSH11b].
Characters
[LVY16, LHL17a, BBJP12, BP07, BBS+13, BVS16, BDL+02, CBL+16, CVD+P09, CTV+13, DE05, EAPL06, HXK+19, JLV11a, JLV11b, JSMH12, JS12, KP11b, KLF+19, LLYG13, LH17b, LTT+19, MP07, MLPP09, MPP11, STC+13, SGD+10, SDO+04, SKC+14, TCG+14, WGH20, XLS+11, XKCB18, XZK+20, YL08]. Charcoal
[BSM88]. CHARMS [GKS02]. chart
[BHMK+18, GP09]. Charted [Pans17].
Charter [Fol94, Fol95b]. Chebychev
[Wan15]. Chemomechanical [HKB+20].
Chen [YXH14, XW09]. chi [LLZ+20].
chi-squared [LLZ+20]. Chief [Beya01].
Chinese [XXK+06]. choices [HFF16].
Cholesky [HLSO12, HA18, HSH20].
Chopper [LBRM12]. Chordal [CLJL20].
Chromablu [CLS+17]. chromatic
[CLS+17, GJK+05]. Chromium [HNH+02].
CIELAB [HRV97]. Cinema [EDF+16].
cinematic [HPB06, PTO2].
Cinematic [GLC+18]. Cinematography
[ASN+20, JWW+20, NMD+17, PVL+05].
Circle [PF89, KS06]. Circle-Brush
[PF89]. Circles
[MC18, MOST09, SHWP09, Bak94]. Circular
HOM15, KLM+12, KLM+13, LBP+12, OLG11, PRFS18, SSB+17b, SSS+08, SSS06, SHM+14, TKT12, WSH+16, XMZ+14, YKC+16, YK12, YK14, ZLE14]. Collision [LLF+20, VJ19, WG09, BJ10b, BEB12, GKJ05, Hub96, JPO4, KOOP11, LHLK10, Mir98, MASS15, MCKM15, SPO10, TMY+11, TTWM14, TWL+18, Wan14, WLH+13, ZRLK07, ZJ12]. Collision-free [WG09]. Collision-ready [LLF+20]. Collisions [OD01, BFA02, HVTG08, KTS+14, MZS+11, MTM16, VMT06]. Color [AAPS16, AASP17b, BVF+17a, BAU15, COSG+06, Fat14, GW90, HLC+19, HDC07, KP92, LR90, LR91, NRS15, OAH11, PH15a, PH15b, SCB87, SFB92, SCB88, Sto92, WC90, WC91, Xia97, ZK14, AAP17, AAP17a, AHBI18, BCN08, BESP13, BATU18, CG208, DK99, GOG05, HSLG13, HCE03, HRV97, ISSI16, JSB+10, KYS+15, KWK09, KJDL09, KRK11, KL12, LRFH13, LDS02, MHP+19, SMH+11, SMHW16, SLS+16, SLD17, TOS+03, WP09b, WYW+10, WYX11, WAM02, ZRL+09]. color-by-numbers [LRFH13]. color-difference [HRV97], color-filtered [BCN08]. color-Lines [Fat14]. color-to-gray [KJDL09]. Color2Gray [GOG05]. Colored [SM3+19, BGB+05, DLKS18, LD06]. colorimetric [LDS02]. Colorization [LLW04, CZG+11, HCL+18, ISSI16, LWQ+08, QWH06, ZZZ+17, ZLW+18]. colorizations [LRFH13]. colors [YKH10]. column [HPB07, HWH+16]. CoLux [Par17]. combination [Ale02, DSIP09]. combinations [HR05]. Combined [OKH+16], combiner [BHHM20]. Combining [BWG03, DKH+10, JAS99, PS04, CGG+17, DSB+12, EB14, HP17, NRDR05]. combustion [PJIH+17]. comfort [DMHG13, KBBD17]. comics [KL12]. Comments [Pav90, WP90]. Commodity [YLC+20, CM14, GM05, HDGN17]. Communication [Hii86, JG16]. Compact [BKGK17, JBY+19, LLP09, SKOA14, ACSM12, GLRR11, HNB+06, KCVW13, MC12, PvBM+06, ZCR+16]. companding [LSA05]. Comparative [HRV97, RGSS10]. Comparison [BBB+93, LC96, SCB87, EKA84, HXYZ20, KKN+14, MGT+03]. compatibility [LHLF15, OAHI1]. Compatible [SO10, WLY+16, KS04b, MEMS06]. compensate [POAR12]. compensated [ZRL+08], compensating [WM14]. compensation [BHWS13, SW19]. competitive [BDM+20], compilation [LS02], compiler [MN+16], compiling [HB+14]. Complement [CZ17b, PA19, CYY17a, LMS16]. Complement-based [PA19]. Complementary [ZBL20]. Complementme [SSS+17]. Complete [JTMW20, RHJD18]. completion [ASK+05, DCP03, FMLW14, HTG14, HE07, HYG+13, HAK14, HAK16, HWH+16, ISS17, KDK12, LNY+12, SAC04, SYJS05, SKAG15]. Complex [BYRN17a, DBP+15, HJS+14, SW14, VADWG15, BYRN17b, BAOR06, CAC+02, CJAM05, DDP02, EHDH11, EMF02, FGBP11, GGN18, LD03, LRA+07, LT+20, LP02, LVS+13, MZD05, MB12, MP12, PJS02, PKZ04, RBF08, SS14, SOLN11, TGD04, WM03, YMR+13]. Complexes [PBCF93, AA06, DRdP14, GD02, ZQC+14]. Complexity [CI84, ME05]. compliant [MZ+17, TZCT20]. component [KCKK12, SSK+17, YWS+11]. component-based [KCKK12]. components [DYY16, HFH+17, NKR06, NVW+13, SHHS03, SFWG04, WZF+18].
Composable [FH11]. Compose [Rit18].
Composing [DeR88]. Composite [MPP11, AMG+19, SPSh+17, WMZ+13, ZKB+17].
Composites [XADRI12]. Compositing
[Dufl7a, KSH+14, Aga07, BSS+11, BBP13, CCG+03, DWT+02, Dufl7b, HLR+17, RGF+20, SGW06, YTBK11]. Composition
[DHGM93, LM97, BGK+17, CLC14, GB08b, HCGO+12, LyvdPG12, ZJ18, ZXCI+18].
Comprehensible [BF08]. Comprehensive
[LSO09, JdJM14, JNSJ11]. Compressed
[MHU19, SLM+17a, NNSM07, SLM+17b, WYL+14]. compressible [GHB+20].
Compressing [LSA05]. Compression
[ARi06, BIP01, MHU19, SILN11, SWWW15, AFSTR03, BCG05, FLW02, GD02, IG03, LAJJ14, LD13, MEMS06, MCHAM06, Nah02, PM05, RA106, TDL+18, TR98, YGM97].
Compressive
[ITM+14, MWH+13, MWR13, PML+09, HWHR13, HWR14, LLWD14, WLHR12].
Computation
[PM95, PVY00, VMKK00, WJL08, FBC18, GSCO12, GS85, HZ82, ILSS06, JTL+12, LK02, LFH15, LWL+09, MIB15, PSBM07, QHY+16, RGK+08, She13, SGG+06, TLK09, TK14, XLCI+16].
Computational
[AHP18, BGKS17, BAD10, BM07, BLT+15, CTN+13, DSZ+16, FGN84, FSY+15, GJG16, GGP+20, GA20, HGG+11, IWWH20, LDTA17, LZF+19, MZL+17, MLB16, MDKD16, OKH+16, PBY+16, PRM14, POT17, RRMG10, SZK15, SPG+16, SHTW16, STC+13, SWT+17, SZ15, TCG+14, WHG84, XZM+18, YCC17, ZYZZ15, ZFS+19, AJD+10, AMG+18, BPK+13, DYN03, DKNY08, FV96, Fr616, HRH+13, HWB14, HKP+17, KCD+16, KPM+17, KSS+15, KS11, LGH+09, LLMZ16, MPI+18, MBZ+17, OHJR14, STTP14, WFDH18, XKF+18, XDF+19, XRLF15].
Computationally
[KTY09]. compute
[LMAS16]. computed
[Bae18, IYF14].
Computer
[BG89b, CT82, Coo86, Gol84, Gol85a, Hil86, KP92, MSK10, MRC+86, Pav90, SMPZ15, SLGS01, WP90, Ano03, ACMS10, Gol02, HCW15, ILB15, KFS13, PVL+05, SHL+17, TL04, WQLJ18, YGM97, ZA+15].
Computer-Aided
[BG89b, Gol84].
computer-assisted
[ILB15].
computer-controlled
[Ano03].
Computer-generated
[MSK10, ZA+15].
Computing
[ACP+01, BHK14, CCW93, DLSCS08, DEM96, FCJ07, FLG15, FL16, GOMP98, HBLM11, LWS+15, LPS+13, PYW14, PV06, SS19, YYL+19, ZWL+18, BFH+04, CWW13b, OK10, PNH+14, SCS+08, YPB16].
concatenative
[AJM12].
Concept
[IBB15, LB84, GHL94, BTH95].
Concurrency
[Hil86].
Condensation
[TMDK15].
Conditional
[GDG+17].
Conditions
[BS88, SGW1J, BBP12, KO11, MKRH11, MAF+09]. Cone
[SSZC010, LSVT15, SSC18]. Cones
[CSZZ20, TAV+10, Van06].
conferring
[KPB+12].
configurable
[Pel05].
configuring
[RvBB+03].
Conglomeration
[WJ19].
conformal
[LCV+04]. Conformal
[GA20, SSP08, VMW15, CPS15, CPS13, KSS06, LPRM02, SSC18, WG10].
Conformation
[BGFAO17]. Conforming
[Ale20, ACA+19, HGC+12].
congruent
[AMCO08]. Conic
[Pav83, PK83, Pot91].
conical
[LPW+06]. conics
[Far89].
Conjoining
[NSX+11].
conjugate
[BFGS03, LW+11].
Connect
[LVK+14].
Connect-The-Dots
[LVK+14].
Connected
[ZGH+16, ICG17].
Connecting
[SJR18, GITH14].
Connection
[LTTT16, BWS10, GD12, NCVMO05].
connections
[PVG19, TH19].
Connectivity
[DPZK11, GLR11].
connectors
[KSS+15, LOM11]. conquer
[Mor11].
conservative
[ANZS18, QZG+19].
conserving
[ISF07]. Considerations
[VW94, VW95]. Consistency
[RO94, BTH95, HSLG13, LWA+12].
Consistent [ACBCO17, DNZ+17b, RSM10b, ASL+17, CRA11, DNZ+17a, DDTP15, HZG+12, ISSI17, LCK+14].
SLST14, AVF17, BP08, BdSP09, CH05, CWC11, COS19, CBvdP09, CBvdP10, DZS08, DKNY08, HYL12, HRL15, HGG+11, HSvTP12, HKS17, HHC+19, HZM+08, IWZL09, ITM+14, JL11b, JWJ+13, KLL+07, KCD09, LCR+02, LT06, LKL10, LES10, LPKL14, LYP+18, LLL18, LPLL19, LWP+12, LC15, LYOdP+10, LYOdPG12, LYWG13, LH17b, MTP+18, MZS09, MTPS04, MLPP09, MPP11, MRKN20, NZC+18, OHB+11, PM17a, PSE03, RSH+05a, RDK+15, RCOL09, RYN16, SSb+15, SBR+15, SJ12, SGM+16, SH08, SMD+15, TER+20, TMS03, TLP07, TJO7, VSHJ12, WMZ+13, WWH04, WPKL17, WPL18, WGH20, cWP10, XYJ13, YL0, YLYdP07, YHZ+14, ZSKS18, ZMCI13, dSDP09. Controlled [SY05, SG01, WGI0, XCLT14, HAB20, LH05, LSODC20, MDDLW15, Pot91, TiABI07]. Controlled-distortion [MZ13]. Controller [AFP+95, Glao90, BG04, XDP+19]. Controller-Based [AFP+95]. controllers [CHP07, LLP09, LKTK10, LLKP11, LCZV20, MTA+20, MK16, WFH09,WFH10, WHDK12, dLMH10]. Controlling [JL11a, KAB14, KH17a, RMGH15, KH17b]. conventional [LFDF07]. Convergence [SJ17]. conversational [SDO+04]. conversations [EMO10]. Conversion [RWW90, SY93, DIP+18, KDW+17, XLLW20]. Converting [LOMI11, EPD09]. Convex [Day90, MBP17a, TM84, BDD11, BLTD16, FLSG14, HZ82, MDK+16, MPB17b, MCK13, TLPJ18]. Convexity [VK+14, AA09, LW16]. conveying [DFRS03]. Convolution [FLJ11, HRY+18, LLDD09, NFA+15, PSNB13, PO18]. Convolutional [GZC15, HKC+18, MGA+17, SdGP+15, TSLP14, AML18, BVM+17, BB15, KHL19, LDPT17, SED16, SSISI16, WLG+17, WSCR18]. Coons [KOH+11]. cooperation [EAPL06]. Coordinate [Tur82]. Coordinates [FHL+09, BC16, BLTD16, HFO6, JMD+07, JSW05, LJK13a, LSLCO05, PBH15, TMB18, YL08, ZDL+14, LLCO08]. coordination [YLP12]. Cope [EM90]. copy [LVBK+10]. core [CGGG+04, IG03, NNSM07, SCS+08, SBZ09, WWS+05, WHY+13]. CoreCavity [NA+18]. cores [YLJ18]. Corner [Ros20]. Corner-operated [Ros20]. corners [LD06]. corotational [HLSO12, TBO16]. corrected [KWR99]. Correcting [HLBR12, HWBR14, KLF+19, RMD12, WFDH18]. correction [KB+12, HM+17]. Corrective [GZ+16, SP09]. correctives [LHYB13]. correlated [BHHM20, GCH+19, JAG18]. Correlation [GNHM15, CHWH17, FKY08, ÖG12]. Correlation-Based [GNHM15]. Correlations [SCO17a, SCO17a]. Correspondence [SA18, ALS+18, AXZ+15, BBSG09, HSGL11, LF09, SPKS16, ZYL+17]. Correspondences [SA18, ALS+18, AXZ+15, BBSG09, HSGL11, LF09, SPKS16, ZYL+17]. Coupled [BBN+07, DBDC11, DDB11]. couple [CZ17]. Coupled [BBN+12, CMZP14, DAB15, FQL+20, XHS+15]. Coupling [GP+B+19, GSLF05, ANS18, AIA+12, BBB07, DFW20, HLV+12, HFG+18, IGLF06, LCD+20a, NGL10, RMSG+08, TB20, TLK16, YMR+13, YSC+18]. couture [UKIG11]. covariance [BSS+13]. covariances [KEE13]. Covariant [LTDD16]. covers [MGA+17]. CPPM [LZ+20]. CPU [WW+14, WQS+20]. CPUs [BSL+16]. crack [FFB+09].
crack-free [FFB+09]. cracking [PNdJO14]. crafting [ILB15]. create [BDM09, BL15].
created [HRE+08]. Creating
[KLY+14, KLF+19, LCK+14, SHOW02, War92, XYH+18, FVnD82, SD0+04, XLS+11, ZHG+16]. Creation
[GHCG17, ALX+14, HDGN17, IBP15, JKT+15, LZ04, LFB+13, NKA08, GRG04].
creativity [CK10]. creatures [GvdPvdS13, GP+18, MTN+15, TGT11, WPL18].
CRFs [ST16]. critical [Hub96]. crop
[WL10]. crop-and-warp [WL10].
Cross [KS04b, ZVC+20, ALS+18, ACBO17, BVG11, FBC18, HTWB11, HZCJ17, NCVM005, PPTSH14, SBSS12, SMGE11, ZHCJ15].
cross-domain
[ALS+18, SMGE11]. cross-frame
[HTWB11]. Cross-parameterization
[KS04b]. cross-section [SBSS12].
cross-sections [BVG11, HZCJ17, ZHCJ15].
crossbreed [PSN20].
crossing-based [AG05]. CrossLink
[HOM15]. CrossShade [SBSS12]. CrossY
[AG05].
Crowd
[FYY+16, KSHG18, DHO005, GvdBL+12, HXZW20, HOKP16, KSN17, KSKL14, MLD+08, NGCL09, OPD010, WLP16].
Crowd-driven [FYY+16]. crowds
[JCP+10, KSN17, KSSI17, KOOP11, MLH+09, TPC06].
crowdsampling
[SQRH+16]. crowdsourced [OLAHI4].
crowdsourcing [LFTC13, ZAE+14].
CRT
[MC92].
Crumpling
[CLG+16, SRH+15, NPO13]. Crystals
[Ste20, WW08]. cSculpt [CSTP16]. CSG
[DIP+18, JKH91, RV89, SV93]. CT
[ZJMB11]. cubature [AKJ08]. Cubes
[LEQ+07]. Cubic [BCX95, BHN98, H091, Kla91a, Kla91b, LJIH13a, PP93, vW84, GI04, Joe89, LJG14, SD89]. cubic-order [GI04].
Cubics [Kla94]. cuboid
[SMZ+14, ZCC+12]. Cues
[WF96, HCW15, NAB+15]. culling
[AHAM15, BJ10b, HAM07, HAMAM09, LHLK10, TMY+11, WLH+13, ZRLK07, ZJ12]. Cumulative [Ano09b]. cumuliform
[DKNY08]. cured [ZBK18]. Curl
[BHN07].
Curl-noise [BHN07].
Cursor
[Hud92, JX96]. Curve
[BS90, Far89, IBB15, CPS13, GMB17, KNS+09, Lev06, PCL+12, Pot91, WPL06, YSW+17].
curve-based [WPL06]. Curve
[LHJ+14, Pat85, Pav83, Sai89, TCO09, ULP+15, VN85, BAGM12, Gal99, GSV+17, Gos00, HSG+19, IKCM13, KYC+17, LRS18, LB05, PLS+15, SXD+12, TWY+20, XCS+14, YHZ+14, ZCT16, ZM11, ZZCJ13, Pat87].
Curve-Drawing [VN85]. curve-driven
[YHZ+14]. Curved [FAB+18, KFC+08, KMM17b, SYSP14, SJW20, ERP+19, KMM17c, KLPCP18, PSB+08].
Curved-Knot [SYSP14]. CurveFusion
[LCC+18]. Curves
[AC90, C92, EK98, FG90, H091, H90a, Kla91a, MD94, Mii87, Pet91, Sci93, Tal94, AB89, BWSS12, DJBDT10, GMP09, HB89, JCW90a, JCW90b, KST08, NISA07, OBW+08, PZ08, SS14, SBSS12, SSJ+20, SD89, STZ14, WPL06, XSTN14, YSW+17, ZSO0].
CurveUps [GMB17].
curvilinear [LY09]. CurviSlicer
[ERP+19]. custom [SBK+18, WPMR09].
custom-ink [SBK+18]. customizable
[SSM15]. Customization
[R094, JFH+15].
Customizing [MGDA+15]. Cut
[BMBZ02, CMSA20, CPWAP08, LSS05, PTH+17, ZCLJ20].
Cut-and-paste
[BMBZ02]. cut-cell [CSA20]. cutaway
[LRA+07]. cutaways [BF08].
cutout
[BWSS09, BJS+08, FZL+15, WBC+05, ZQPM12].
cuts
[BLA12, GO89, KT03, KSE+03, LK+18, LVS+13, RK04, TDM+14, WHY20].
cutter [LVS18]. Cutting
[YCP16, KMB+09, KBT17, SC18b]. cycles
[ZZCJ13]. Cyclic [ACXG09].
cylinder
[ZYH+15]. Cylinders
[BK85, AMZ99, BK87].
D [BIP01, Bou18, GIZ09, SLV+13, AJS20, AKZ+17, AWL+19, AL13, ALX+14, AXZ+15, AZB09, AAR05, AIH+08, ARS14, BVF+17a, BKL16, BHR17, BPS+07, BSS+11, BS+16, BSW02, BBN+12, BSV+13, BVG11, BGR+13, BWSS12, BV16, By06, BSM+07, BR07, BUA15, BATU18, CCA+12, CB04, CWLZ13, CKH18, CMZ14, CK10, CKGK11, CGF09, CSPF12, Che13, CLD+13, CLW+14, CZL+15, CKI15, CLF+18, DNZ+17b, DNZ+17a, DS15, DLSC08, DSAF+13, DKL+16, DIP+18, DHL14, DDP02, DBB+17, DSC+20, ESDK16, EBGB14, EDF+16, EST+20, EPD09, ESZ+17, EM96, FZBR16, FJL+16, FH10, FRS+12, FSL+15, FMK+03, GDAB+17a, GDAB+17b, GZW+16, GZC+16, GZ09, GM05, GF08, GGS03, GTDS10, GKKH12, GWN+03, GW05, GHL+20, GFD+10, GR13, GZC15, GXY+17a, HGR04, HGY17, HASK17, HK18a, HNH19, HIt87, HLR09, HLZ10, HDK07, HMC11, HLV+17a, HLV+17b]. D [HTWB11, HCTW11, HTH15, HMT+15, HDGN17, Hud92, HOM15, IBP15, IGP+17, ICG17, JTRS12, JBM+17, JSKJ12, JLF+09, JBX+20, JZHO7, KMM+02, KHS10, KH06, KSH+14, KDM+16, KDR+16, KSES14, KMYG12, KLM+12, KRD+12, KLM+13, KLLKL13, KTL+04, KDMW17, KFCO+07, KSS+15, KS04b, KYC+17, LMS13, LHW+10, LRAT08, LHKR10, LCS09, LOM11, LHG+09, LRA+07, LACS08, LT09, LSH+10, LYG+13, LPL+17, LBB+17b, LYP+20, LHM+18, LCOZ+11, LYC18, LOW18, LF28, LGJA09, LWCT14, LHFL15, LKG+03b, LFL09, LvBK+10, LHVT17a, LHV+17b, LSZ+14, LBRM12, MLZ+16, MPM+18, MHS+19a, MLYZ19, MIt92, MWH+13, MPI+18, MSHS06, MPD03, MPN+02, MP04, MAN+16, MTN+15, MSS+17, MGP10, MG06, MYWI15, MLS+18, NG18, NGK18, NAH+18, NISA07, NDR05, NZIS13, OHX+14, OHB+11, OLG11, ON0I04, Par17, PGP+19, PMW+08, PK05, PXW18, PZ17, PRM14, PB+20, PSG+06, PMHP17, PWLH13, RAW08, RSL+16, RSI+08]. D [RID10, RID10, RMD12, RRHL02, RMBB+13, SS+14, SM+18, SCH+14, SLV+13, SS011, SKSK09, SBS+15, SHL+17, SHZ+20, SF07, SGXT20, Shn92, SS+08, SARW+15, SS06, SD+16, SBB+12, SQRH+16, SSB+19, SSK+17, TDL+18, TD16, TDM11, TMB18, TS08, TTS+20, TFK+03, TMB14, UTB+19, VVC+15, VSHJ12, WBF+17a, WBF+17b, WA0+09, WWY+13, WGW+13, WSX16, WLG+17, WSLT18, WSH+18, WLY+18, WKH18, WMB+20, WXY17, WLRH11, WDB+07, WSW+12, WQZ+18, WWL+19, WZL+20, XLF+17, XIAP+09, XLY+09, XZT+09, XZ+11, XZOC12, XCF+13, XCS+14, XZ+16, Y17, YSL+14, YMRD15, YSC+16, YLY18, YWS+11, YLC+20, YKC+16, YXZ+18, YSHWSH16, ZLP+15, ZAC+17, ZZW+18, ZWK14, ZSW+10, ZBW+20, ZSMS14, ZK14, Zho18, ZZCJ13, ZNI+14, ZPKG02]. D-aware [LWCT14, YWS+11]. D-modeling [TS08]. D-printable [KSS+15, LBRM12, MTN+15]. D-printing [CCA+12]. D-shape [WWL+19]. D-to- [GIZ09]. DAGs [KSA13]. damage [WFL+19, WCL+20]. damping [XB17]. Dapper [CZL+15b]. Dappled [VRA+07]. Dark [JGC+15, KF09]. Darkroom [HBD+14]. DART [MGDB05]. Darts [MEA+18, EPM+14]. Data [CK10, CLSM15, CT17, Fo87, GLL+16, HFL14, JHS12, JWL+13, KSS+09, KGG+20, KMP+17, LJS+15, LKL10, Lev90, LCOF08, LCX16, MTP+15, NRS15, PH08, R085, SPDF13, SMGE11, SKAG15, Tsa15, WYW+10, WOR11, AA09, ACP02, BCG05, BKR+05, Che13, CLW+14, CLS03, DH06, FKY08, FCHG08, Hol18, HDK07, JLB05, JLSW02, KHS03, KG04, LBJK09, LR+02, LCL06, LSK+06, LGZ+13, LGF04, MUB15, MPBM03, MRC05, RPE+05, SNF05]
SSII18b, SKL07, SJR18, TZK^+11, WAO^+09, WWS^+05, WLL^+14, WSL13, ZCW^+17, ZLE14, JTCW07, RO87. Data-Driven
[GLL^+16, NRS15, Tsa15, CK10, CLSM15, CT17, HFL14, JHS12, JWL^+13, KNS^+09, KGG^+20, KPMP^+17, LJS^+15, LKL10, LCODL08, LCX16, MTP^+15, PH08, SPDF13, SMGE11, SKAG15, WYW^+10, WOR11, MUB15, MPBM03, RPE^+05, SSII18b, SJR18, WLL^+14, WSL13, ZCW^+17, JTCW07].

Database
[GF82, HMLL15, SBHH16, XLS^+11].
databases [Ari06, MPF^+18]. dataflow
[HZG09]. Dataset [WGY^+18], datasets
[BZL^+15, KGB^+09, OAH11]. day
[SPDF13, WM14]. de-animating
[BAAR12]. dead [KHS03]. deblurring
[CL09, CWL12, JKZ10, LWC^+13, RAT06, JA08, WHB^+12, YSQ07]. Debugging
[HZG09, DNB^+05]. decal [SGW06].
declaration [DTB06]. decision [DPF03].
Declarations [GF82]. DecoBrush
[LBW^+14]. decodable [KPM16].

Decomposable [Zyd88]. decompose
[CZL^+15b, MAYZ^+20, RIt18, ZZX^+18]. decompose-and-carve
[MAYZ^+20].
decompose-and-pack [CZL^+15b].
decompose-and-spiral-carve [ZZX^+18].
Decomposed [LGL^+19]. Decomposing
[TDSG15, TLG17a, TLG17b].

Decomposition [BBPA15, LW15, MLS^+18, SBN15, TM84, AFO05, Bel18, BHY15, CRA11, CLJL20, GLDZ15, GNS^+12, GJK^+05, HXZW20, HLZCO14, KTL03, Koul16, KHLN17, LD12, LGZ^+13, NA1^+18, PK05, SSD09b, TEG18, TLJP18, THLD03, XKK^+06, ZZWC12, ZYH^+15].
decompositions
[FFLS08, MSM^+17, MCK13].
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[AXZ^+15, BS16, CQ19, GLL^+16, GPHSH19, JS11, JWW^+14, LLF^+20, SP04, SJA^+20, WYW^+15, ZYL^+17, ACP02, BODO18, BVGP09, BZ11, BCWG09, BBO^+10, BS17, BWKS11, BJD^+12, CW17,
CSvRV18, FH07, FKY08, FYK10, GB08a, GYQ+18, GPCP13, HSL+06, JPS11, JP02, Jam20, JTSB16, LFS+20, MJC+08, NFA+15, NVW+13, PDB09, PH06, PH08, RS98, RDT+10, RJ07, SMP03, SMW06, SYB06, SZT+07, SSP07, VBG+13, WJBK15, WC10, WY04, WGBT16, YK14, YCHK15, ZHS+05, ZPBK17. **Deformation-driven**

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**Dependent**

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SXZ+17, SWC+18, STTP14, STC+13, SCGT15, SWT+17, SZ15, TGY+09, TCG+14, UBTW99, UMK17, UIM12, UMK17.

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Elastics [LLF+20].

elastodynamic [MSW14, MLT17],

elastodynamics [DJJ18a, HLS02, LSNP13, LGL+19].

elastomeric [JCRAl1].

elastoplastic [FGJ19, GTJS17, JWJ+14, WRK+10].

elastoplasticity [JGT17, KGP+16].

elastostatic [JP03].

electrostatics [WSSK13].

Element

[LHJ+14, LHT+17a, SDG+19, SVB17a, BWHT07, HW16, ISF07, KDI19, LdPS84, LHT+17b, MWT+11, ML+13, SVB17b].

Elements [BC14, HLV+17a, LKS15, ARS14, BBB10b, CLC14, CLSM15, CSM+10, EB08, HW15, HLV+17b, ICM13, JMB+20, KTY09, KBT17, LJM+16, LKL+20, SCGT15, XFAT12].

Elimination

[And82, RV98].

Ellipses

[GH98, Gue07].

Ellipsoidal [PVG19].

Ellipsoids [JTMW20].

Embedding [XZZ18, JWJ+14, LCF01, SJZ19, TER+20, ZWL+18].

embeddings [AL15, AL16, AKL17, CWF+10, LKH+12, LSO+15].

Embodied [RTB17].

Embree [WBB+14].

Emerging [MCL+09].

Emotion

[WZC+20, KAL+17].

Empirical [CMS95, DLR09, ZBB18].

Emulating [TDM16].

Enabling [NFL12].

encoded [GOMP98].

encoded [LLWD14, Tar16].

Encoding [Van06, HZG04, DFL15].

End

[SPD+18, SZD+20, ISS16, KAL+17].

End-to-end

[SPD+18, SZD+20, ISS16, KAL+17].

dends [VSK+17].

energetic [BB12].

Energies [BSEH18, ERT14, DKB+19].

Energy

[CTE05, HP04, MCP+09, SJGW20, ZJ12, DLL+18, HGMR17, Kan15, LWW+09, NSCL08, SBB03, YCR+15, YTL18].

Energy-based [ZJ12].

energy-efficient [Kan15].

Energy-minimizing [HP04].

Energy-preserving [MCP+09].

engine [DNB+05, FMK+03, NPP+11, PBD+10, PVL+05].

Enhanced [CLJ+20, Hud94, Ols92, DFL+15, KK87, VRA+07, VPB+09a].

enhancement

[BM05, BBB+14, BF12, DER+10, ED04, FAR07, GSC+15, GCB+17, HSS11, JMAK10, KNC+08, LCDO18, LCD06, RSI+08, SGM12, WYW+10, WYX11].
enlightening [MBPY+18]. Enlighten [WZC+20]. enriching [LSGV+18].

Enrichment [KMB+09]. Ensemble [JTCW+07]. Entropic [SPKS+16].
enveloping [WPP+07]. Environment [OLS+86, PM+18, ARB+03, LF+02, NOP+18, RH+02, RZL+10, XMR+11].
environment-independent [NOP+18]. environmentally [CSvR+18].

Environments

[CSS+96, YPG+01, GLY+03, KKB+11, LCL+06, LNWB+03, MIWB+02, NHA+03, SCH+14, SMM+10, SSK+02, SBB+11, TGD+04, WFF+10, WS+09, WMM+03].

envyLight [Pel+10]. Epipolar [ABW+17, GF+12]. epsilon [DD+02a, ITM+14].
enumerical [ABW+14, CK11, WZT+08a].
equational [JAS+99]. Equations [PM+95, AZB+09, CI+97].
equilibrated [FLG+19]. Equilibrium [SPV+16, dGA+13]. equivalence [RFW+07, SS+10b, SSP+08]. Equivalent [FM+84, MRA+13].

erasure [LFJ+17]. Erosion [YSC+16, CGG+17]. Errata [NML+14, Spec+03].

Error [AAR+05, BAU+15, LWS+15, WBF+17a, AW+20, BDT+99, BW+13, CA+09, HJJ+10, PSF+09, RKZ+11, SJJ+12, SLWF+14, TGB+13, WBF+17b, YRF+09, ZG+02, ZF+03].

error-bounded [ZG+02]. error-driven [PSF+09].

Error-resistant [AAR+05].

error-tolerant [SLWF+14]. errors [PMOR+10, RP+03, Wan+14]. estimates [BHM+20].

Estimating [Ch+92, SHM+14, WSM+11, ZS+00, CDP+14, HLHZ+08, NSJ+14, PMOR+10]. estimation [DBBJ+19, GLD+19, GWP+19, GHV+18, HJJ+10, HMP+08, JNSJ+11, LHZ+20, MSS+17, MTB+13, NOP+18, WHSG+97]. estimators [PCS+20, SOH+16].

ETC2 [Nah+20].

Euclidean [ZWL+18]. Eulerian [CM+11, FLP+13, HK10a, KD+17, LLJ+11, LFZ+18, MSQ+18, MMT+07, NO+13, SBR+20, TLK+16, WPL+18, WRS+12].

Eulerian-on-Lagrangian

[FLP+13, SBR+20, WPL+18]. Evaluating [HR+13, ODG+03, RP+07, WFF+16, CHM+12, CJAM+05, KP+09, KP+10, LW+13].

Evaluation

[LCT+05, LC+96, MAF+09, MRC+86, RV+89, AFR+07, GRG+04, UHT+17, WB+08].

Event [AEO+15, LZZ+20, SS+17]. events [VB+05]. everyday [VA+07].

Evolving [BAC+18, MOR+18, LXY+16, MLZ+16, XZC+12, YLH+18]. evolving [BHL+12, IYAH+17, IS+20, PV+06, PK+17].

Exact [Kla+94, RF+93, BDC+11, BEB+12, FJS+17, GHV+19].

Exaggerated [RBD+06].

Example [BSP+13, DFM+88, DDB+17, FJS+17, FRS+12, JWW+20, JTS+16, LWP+10, MTGG+11, RYL+13, SDK+18, ST+16, SZZ+08, WY+09, WHR+01, WYX+11, WHH+20, XB+17, AVB+08, BCK+13, DLL+15, DLK+18, 

EVC+15, FJJ+16, FKS+04, GLD+12, GDG+17, GJWW+15, JST+19, JMA+10, 

KEB+05, LHL+10, LYF+12, LB+14, LFB+13, PCSS+06, PAL+18, RRS+13, 

SSL+14, VSL+13, Wam+16, WZT+08b, WPK+17, XUC+14].

Example-Based

[ST+16, WWH+20, BPS+13, DBB+17, FJS+17, FRS+12, JTS+16, LWP+10, MTGG+11, SDK+18, SZZ+08, WY+09, WHR+01, WYX+11, XB+17, AVB+08, DLK+18, EVC+15, FJJ+16, GDG+17, KEB+05, LYF+12, 

LFB+13, Wam+16, WZT+08b, XUC+14].

Example-driven [JWW+20].

Example-guided

[Ryl+13, PAL+18, WPK+17]. Examples [Gol+85a, AF+02, FF+11, HML+14, LBD+13, MG+03, ROK+15].

exceed [WHDS+04].

exchange [ZLB+18]. exemplar [HCL+18].

exemplar-based [HCL+18].

Exemplars [DBP+15, KFC+07].

exhaustive [KKN+13]. existing [EKA+84]. expanded [JBB+18].

Expanding [LM+97].

Expansion [BVF+17b, AVF+17, DSA+13, ZZB+18].
Expansions [BXH+18]. Expediting [Ylx+15]. Experience [AFP+95, JGC+15].

experiences [MGDB05, SPGI13]. Experimental [BBB+93, MR+86, SCB87, AJD+10, Fnv82, KNN+14]. Experiments [GHCC88]. Explicit [RBSM19, WYL+20].

exploded [LACS08]. Exploiting [PKH+17a, PKH+17b, YRPF09].

Exploration [OLGM11, BBPP10, DFL+15, HFF16, MJ12, L04, MGBD05, MVH+17, ROA+13, SXZ+17, SWC+18, UIM12, YYPM11, ZLE14].

Exploratory [OLAH14, TGY+09]. Exploring [KSSGS11, KLM+12, PBJW14, BYMW13, GBLM16, HWG14, SSS06, TKKT12, YRPF09].

Explosions [FOA03, SRF05, YY17].

Expressive [MSW14, BRM+18, SGW06].

Exponentiation [RWS+06]. Exposing [KOF13, KOF14, OF12].

Exponent [HHX+18, ARN05, EKD+17, KBC+13, MAP+09, RAT06, TAH+04].

expressions [BM05]. Expression [YWS+11, CHZ14, LB+17b, SLS+12, TZN+15]. expressions [BB14, BCG011, G085].

Express [CTFP05, CB05, DdB+17, ELFS16, GCR13, KHS03].

Extended [BN90, MRF06, ANZS18, CMSA20, CZN10, KWK09, SDP+18, KBT17]. Extending [HGF14, RT90]. extensible [HFF18].

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

extensions [NM16]. Exterior [SW14, dGDMD16]. Exteriors [FW16].

Extracting [BCN08, CzS13, HZG+12, NGH04, TOS+03]. Extraction [ULP+15, AYC+18, EBK13, K04, LFW17, LSA+16, LBK16, RKB04, TCO09, XYXJ12, ZTS09].

extraordinary [CADS09]. Extrapolation [LLK+19, Lév03, WLL+14, ZM13]. extrema [SSD09b]. extreme [DDSD03, ZPKB17].

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

Extrusion [HSS10]. extrusions [KW11].

Eye [MLH+09, ALK+17, BBGB16, CTS+20, CLS+17, Dec05, HCW15, JBM+17, JBL18, JLF+09, KPM+17, LSL+18, LL15, MKG17, SHL+17, SRL+15, TDM+14, WSX16].

eye-box [JBL18]. Eye-catching [MLH+09]. Eyecatch [YLN12].

Eyeglasses [HWBR14, MLR+14].

Eyeglasses-free [HWBR14]. eyelids [BBK+15, WXYL17]. EyeOpen [SZH17].

Eyes [LBB02, NN04, SSS17, BBN14]. eyeSelfie [SRL+15]. EZ [SLWF14].

EZ-sketching [SLWF14].

Fab [SSM15]. Fabric [GHCG17, FBBZ18, KWN+17, ZFS+19, ZJMB11, ZJMB12].

Fabricable [CML+17, LFZ18].

fabricate [LOMI1]. Fabricated [IWHH20]. Fabricating [BBJP12, DWP+10, LGX+13, PRJ+13, SDI18, WPMR09, CLM+13, HBLM11, WW13]. Fabrication [SMB+19, TISM16, BBO+10, Czx+16, CLMK17, CLF+18, EBGB14, HZH+16, JMB+20, KCD+16, LDPT13, LSD+16, LMAH+18, MZL+17, Mit18, NAI+18, PZM+15, PCT+15, POT17, PLKD18, PWLSH13, RM12, SSL+14, SSM15, SDW+16, VWRKM13, XKB18, ZKBT17, ZGH+16]. Fabrics [KZS+15, MGZJ20].

Fabulously [Bae18]. facade [BSW13, FMLW14, WYD+14, XFT+08].

facades [CMZP14, MZWW07, SHF11, ZJX+13, GGP+20]. Face [AJS20, BKK+08, EST+20, GZC+16, LCXS09, NBLCO20, VBPP05, BLDA11, BK5+12, CCW18, DSJ+11, GVWT13, GFT+11, HY17, IKKP17, LSSS18, PHS+18, SSR20, TDM11, WBGB16, WSS18, YWS+11, YNS19]. Faces [Li18, BKK+08, KSS03, WMP+06, ZAJ+15, ZSCS04]. Faceshop [PHS+18]. FaceVR [TZS+18].

Facial [BBB+14, FJA+14, LTO+15, MJC+08, Tzs+18, BZL+17, BB+10a, BHB+11, BBN+12, BB14, BBA+07, BWP13, BHP10, CTF05, CWLZ13, CHZ14, CBZB15, CWW+16, FJS+17, GZ+18, GHP+08,
GMP+06, GRG04, GRB+18, HCTW11, JSB+10, KAL+17, LCXS09, LCODL08, LWP00, LYYB13, LBB+17b, LKZ+20, LXC+15, MHP+19, MPK09, OSLL16, PTMD07, SSK+18, SWT14, SNF05, TZN+15, VWB+12, WSS+19, WBLP11, XCLT14, YSN+18, ZGBB19, Factor [BSN16, HAY18, LRFH13, YBY+13].

FastLSM [RJ07].

Faster LYP [STZ14, SSK].

Factoring [WWOH08].

Family [PP93, LKvK+14, NCVM005].

Fair [NGH04].

Fairing [NLMD12].

Fast [CPMS14, DPW15, GCO06, VWC07, WYL+14, WT08, WTGT10].

Feedback [DKNY08, BP12, DK99, YL10].

Femto [VWJ+13].

Femto-based [Lee05, ZWGS02, ZMT05, dLMH10].

Femto-conforming [HGC0+12].

Feature-Preserving [FKY+10, JDD03].

Features [HWZ+14, PGP+19, COSL98, CNR08, Cas94, PZ08, TFBW+10, XLY09].

Feature-adaptive [NLMD12].

Feature-Aligned [ZVC+20, MPKZ10, XCOJ+09].

Field [Lee05, ZWGS02, ZMT05, dLMH10].

Field-aligned [IKM17, PRM14, MJC+03].

Fibonacci [KISS15].

Fidelity [FLB16, CBZB15, HCTW11, ODGK03, OLSL16, RWB07, SWTC14, WSS18, XCLT14, YSN+18].

Femto-photography [VWJ+13].

Field-aligned [DK99, YL10].
Frankencamera [AJD+10]. FrankenGAN [KGS+18]. Freer [CTM03, HWZ+14, KG08, NGL10, AZB09, BBG15, CCS+15, Cse19, DWW+18, FFB+09, FL16, FKN17, GCD+20, GSV+17, GKTT13, GHZ18, HR05, HPP+18, HWBB14, KH06, LFS+20, LCOLTE07, LCK19, MMT18, Nas87, SLL19, SOA11, SS15, SKM10, SPGI13, TB12, UKSI14, UPSW16, Wan18a, WG09, XRLF15, YCR15, ZYQ14]. Free-flight [UKS14]. Free-flowing [NGL10]. Free-form [KG08, BBG12, GSV+17, HR05, KH06, Nas87, UPSW16]. Free-formed [UKS14]. Free-viewpoint [CTM03, CCS+15, GCD+20, HPP+18]. Freeform

[DHG16, FSH11a, JRPW20, PSB+08, BK04, EKS+10, EC96, JMB+20, KOY+11, LPL+17, LPL+18, NIS07, PLW+07, TISM16]. Freely [TTZ+20]. Frenet [HB09]. Frequency [BBS14a, ETH+09, EHDR11, FN20, HSRG07, RH02, AWL13, ADM+08, BDT+08, CTH+14, DHS+05, LHG+09, NKR06, NRH03, NRH04, OHH+14, SKS02, SXZ+20, TS06, WTL05, WTL06b, WRG+09, XCM+14]. Frequency-domain [FN20, BDT+08]. Fresco [BTNF+08, TFBW+10]. Friction [MNHT15, BDCD11, BFA02, CWF13, DBBB11, LCBD+18, MB+13]. Frictional [Dav20, DJBDDT13, GHZ+20, GHF+18, JGT17, KEF05, KSJ08, LDN+18, LJBBD20]. Friendly [SPJ+J0, SKK+11]. From-region [LSC03]. Frothing [CPPK07]. Full [CK20, WZQ+18, Fre16, HHC+19, HW12, KE18, PRMG16, TMDK15, WZC12, ZSZ+14]. Full-body [HHC+19, KE18, PRMG16, WZC12, ZSZ+14]. Full-frame [CK20]. Fully [YI17, CSH+16, HK10a, LHM+18, SSIS16]. Fully-Eulerian [HK10a]. Fun [Mit18]. Gars [GRS+17a, XWC+16, ATW15, GXZ+13, GRS+17b, HvKW+16, JP03, LD05, Rus19]. Functional [CSBC+17a, CSBC+17b, CO19, DHGM93, DWS+20, HWG14, OBMC+12, ACBCO17, CI97, FSL+15, FD17, PYB+16, RPWO18]. Functionality [LKWS16, ZAC+17, HZvK+15, HYZ+18, LMS13]. Functionality-aware [ZAC+17]. Functioned [HKS17]. Functions [GVB18, NID20, SWW15, BX03, CTW+04, CBW+18, DJAM05, DLC+15, FLSG14, GW14, HHA+10, KBD07, MTS+12, MIB15, NG04, PSF09, RWG+13, TLZ+02, TS06, VRM+18, YYY+12, ZIM11, ZDI+15]. Fundamental [SHW19, DJ17, DJ18a]. Fundamentals [GGS03]. Furniture [YKG17a, FSY+15, LOM11, LHAZ15, LHLF15, MSL+11, SLR+16, SFJ+17, UIM12, YKGA17b, YTY+11]. Further [AFP+95]. Fused [SM+19]. Fusing [OKH+17, BML+14]. Fusion [FG11, DMB+14, LK20, LOW18, MSOC+19, DKD+16]. Future [EST+20, CTH+14]. Fuzzy [RCC03, KT03, KML+12].

[JSSH15, KAW20, KPB+12, TZS+18, ATM+17, BMSG09, KKW20, MSM+17, PSK+16, PRMG16, WSXC16, WKA18].

Gaze-Aware [TZS+18]. Gaze-Contingent [KAW20, ATM+17, KKW20, MSM+17].


Generation [PC82, VWN94, VLA15, WV92, YIC+14, Zyd88, AF02, BDK+16, CSBDH03, DK09, DH06, FH04b, GTJP17, GGC+13, GLY+03, GASP8, JBP06, JFP+15, KAB+10, LHM09, LPS84, LPRM02, LACS08, LKZ+20, LKK+14, MCC09, RSL16, RCOL09, SP16, TPSHSH13, TSO8, TWAD09, WMC11, YCL+20, Zhu18b, WV95]. Generative [LPX+19, ZYM+20, BSF+19, BHMK+18, GGD+17, GSH+20, HYZ+18, LXC+17, MC12, TTR+17, WSH+18, WWL+19, ZQCL19]. generator [PGML+19].

generators [PV06]. Generic [GGT17, LSK+06]. Genetic [Sah18, SAMWL11, BLPW14]. gentle [BP08]. Genus [CSZ20]. Geodesic [AFH20, CSRP10, LFXH17, PHD+10, RSH18a, LXY+16, PO18, QHY+16, RSH18b, SC20, VZF+19, XW09, YWH13].

Geodesics [CWV13b, SSK+05b, YXH14]. Geometric [ACP+01, BG89b, Boi94, BBGO11, CCK92, DB88, EM90, FH97, Go84, Gol85a, KZ008, KMP07, LPW+06, Ml87, NN90, PPV95, SPSH+17, TWBO03, TR98, TQ94, BLTD16, CPSS10, GC06, GP08, Go82, GJWW14, HPSZ11, HB89, HZvK+15, HFG+06, IYA17, JAR99, KRY+11, KGL16, LdPS84, LK+03a, LZ14, LGH11, LJR19, MBF02, PCK+08, PKZ04, PM05, SAZK06, Sgp+15, SD98, THW+14, WFL+15, YNS19, ZHW+06]. geometrical [VABW09]. Geometrically [Sei93, BEB12, JBP06, RvB+03].

geometries [WDW+15]. Geometry [CCK92, CSBDH17a, FGN84, GG02, GXY+17a, LMS13, L04, OHHD18, PK05, PLW+07, RVAL09, SRH+15, SGJ18, SRB+19, TGL17a, WBCPS19, WC09, ZSSJL20, Zhu18b, dGMM14, AMD02, AAM03, ABO16, BBB+10a, BW13, BBA+07, Bou81, BBB10b, CLSM15, CK11, CSBDH17b, DLSC08, DH0005, FKY+10, FV96, FMR20, GVWT13, GF12, GMP+06, GXY+17b, HAD17, HLZ10, KV05, Kal18, KS04a, LAGP09, LCOLTE07, MGP10, MGP06, Mit18, MTD07, NRD05, PB04, PKK03, PMW+08, PDZ+18, PGZ+19, RMMB+13, SR00, SSM15, TGL17b, TEG18, WYZG09, WGP+10, YSN+18, YHZ+14, ZGZJ16, dGDM16, WC91].

Geometry-aware [OHHD18, RVAL09, SRB+19, DLS08, PGZ+19].

geometry-based [AAM03].

geometry-guided [PK05].

geometry/impostor [DH0005].

Getting [McI92]. Ghost [SB12, FKN17, GKT13]. ghost-free [FKN17, GKT13]. ghosting [SLV+13]. gigantic [CGG+04, IG03]. Gigapixel [HLH18, KUDC07]. Girth [XWC+16].

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

glaciers [AGP+20]. Glare [RAWV08, TAHL07]. glass [GGP+18, WGL+18]. glasses [FKN17, SLV+13]. Glift [LSK+06]. glints [YHJ+14]. Global [BYRN17a, BR07, CZ11, CSS96, CLSS97, MZ12, PTSZ11, RWG+13, VMK00, WHSC97, WSH+18, AFO+05, BYRN17b, BAERD08, BLDA11, BW+09, BCW17, CBK15, CRN08, DSSD07, DCH+10, DDP99, FLB16, GD04, ISSI16, JSK12, KJDL09, KFB10, LALD12, LWC+11, LX+16, MA06, MZ13, MPZ14, NKGR06, OHX+14, RLL+06, RLP+20, SL17, SFWG04, SKC+14, TL04, TMLR14, TPWG02, VAZ1+09, WWZ+09, WS99, YNW16, YSJ17, ZCLJ20].

Global-to-local [WSH+18]. Globally [DNZ+17b, ISSI17, KLS03, KCPS13, ZLWH16, DNZ+17a]. GlobFit [LWC+11].

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

Glossy [CSS96, CLSS97, RLP+20, DCH+10, HKBW99, IDN12, LKYU12, SM06, WTL06b, WSM11].

glove [GWP+19, WP09b]. Glyph [XZZ18]. Goal [YIC+14]. Goal-Based [YIC+14]. Gold [BBG+05].

Good [BYMW13, LS07, PL14, YLJ18].

Google [BBGO11].

GPU [ASA+09, BFGS03, BFK+16, CKIW15, CW17, DKH14, GWW+18, GBK05, HR05, HG09, HZG08, HZG09, JCW09a, KSS18, KB12, KPM16, KWO3, LSK+06, LHZ16, LTT+20, LB06, NMLH11, NLH14, NLMD12, RSLL18, SF09, SJP05, SKB+14, TML+18, WWZ+09, WHY+13, WY16].

GPU-accelerated [CW17, KB12].

GPU-based [CIKW15, GBK05, HR05, TML+18, WWZ+09, WHY+13].

GPU-decodable [KPM16].

GPU-efficient [NMLH11, NMLH14].

GPU-accelerated [BSL+16, BFH+04, CM14, FBH+10, KGB+09, SS10a, SKK+12, ZHX+07, ZHR+09].

GrabCut [RKB04].

Gradient [BPE17, FLW02, GHV+18, KMA+15, LKL+13, PKCH18, XZY+07, Aga07, ARNL05, BZCC10, GFT+11, GBC+13, HSL+06, KH08, KSH10, KHL19, KLS+13, LHM09, MKR+14, MKD+16, MP08, MHP+19, SLWS07, XLLJ11, YZB+04].

Gradient-based [GBC+13].

Gradient-domain [BPE17, GHV+18, KMA+15, LKL+13, PKCH18, Aga07, BZCC10, KH08, KSH10, KHL19, MKR+14, MKD+16, MP08].

gradients [BFGS03, BBG12, FLB17, MHP+19].

GradientShop [BZC10].

grading [BSPP13].

grained [HSG13, KLS03, ZWZ+18].

grains [YSC+18, LPX+19].

grammar [LCK+14, SP16, ZWZ+20].

grammars [DLC+15, LWW08].

GRAMPS [SFB+09].

granular [DBD16, MPH+15, MPG+16, NGL04, YSC+18].

Graph [FH97, KL17a, KS+19, ACXG09, FS+11b, KL17b, KSE+03, LNZ+19, LS+13, PRAV09, RKB04, WLL+14, WLW+19, YWH13, ZKL+20, ZHS+05].

Graph-constructor [FH97].

graph-cuts [IVS+13].

Graphcut [KSE+03].

Graphic [Cas91, ZCL18, ZQCL19].

Graphical [Bar86, HC86, Mac86, OBH02, PK83, Res87, SG91, UTB+19, FNvD82, LHZ+17].

Graphics [AMS03, CM83, CT82, Coo86, DMZ+17, GF82, GS04, LMR83, LN84, Lev84, MRC+86, OKH+16, Pik83, Wes88, WW82, AMN03, AHAM15, AAM03, A¨CMS10, BKKL15, BDM09, BFH+04, CHM+12, CTH+14, DRvdP14, DRvdP15, DN02, DNB+05, EPD09, FSH11a, FH11, GLdFN14, GM05, Golo2, Gue07, GFD+12, ...
KTL14, HMG03, HCW15, JP02, KKSS18, KTL+04, KFS13, LWA+12, LLGRK20, LHLK10, LB05, MGAK03, MCHAM06, NH08, OH14, PCT015, PBHM02, RKLC+11, SFLM04, SHL+17, SF+09, WP06, ZHWG08, Pave90, WP90, Bea88.

Graphs [AFH20, HITCH15, LYY16, BDK+16, DH06, WCW+17, KG02, LRFH13, LCK+14, MC12, PSB07, PKC+16, RP07, RCLM19, SH07, SPGT18, She13, SLH+20, YBY+13, JTCW07].
grasping [Leeb09, ZZMC13].

[GRASS]

Guarantees [GMP09].

SABS14, SD02, WIK.

ZZI.

Graphs [AFH20, HITCH15, LYY16, BDK+16, DH06, WCW+17, KG02, LRFH13, LCK+14, MC12, PSB07, PKC+16, RP07, RCLM19, SH07, SPGT18, She13, SLH+20, YBY+13, JTCW07].
grasping [Leeb09, ZZMC13].

[GRASS]

Guarantees [GMP09].

SABS14, SD02, WIK.

ZZI.

Graphs [AFH20, HITCH15, LYY16, BDK+16, DH06, WCW+17, KG02, LRFH13, LCK+14, MC12, PSB07, PKC+16, RP07, RCLM19, SH07, SPGT18, She13, SLH+20, YBY+13, JTCW07].
grasping [Leeb09, ZZMC13].

[GRASS]

Guarantees [GMP09].

SABS14, SD02, WIK.

ZZI.

Graphs [AFH20, HITCH15, LYY16, BDK+16, DH06, WCW+17, KG02, LRFH13, LCK+14, MC12, PSB07, PKC+16, RP07, RCLM19, SH07, SPGT18, She13, SLH+20, YBY+13, JTCW07].
grasping [Leeb09, ZZMC13].

[GRASS]

Guarantees [GMP09].

SABS14, SD02, WIK.

ZZI.

Graphs [AFH20, HITCH15, LYY16, BDK+16, DH06, WCW+17, KG02, LRFH13, LCK+14, MC12, PSB07, PKC+16, RP07, RCLM19, SH07, SPGT18, She13, SLH+20, YBY+13, JTCW07].
grasping [Leeb09, ZZMC13].

[GRASS]

Guarantees [GMP09].

SABS14, SD02, WIK.

ZZI.

Graphs [AFH20, HITCH15, LYY16, BDK+16, DH06, WCW+17, KG02, LRFH13, LCK+14, MC12, PSB07, PKC+16, RP07, RCLM19, SH07, SPGT18, She13, SLH+20, YBY+13, JTCW07].
grasping [Leeb09, ZZMC13].

[GRASS]

Guarantees [GMP09].

SABS14, SD02, WIK.

ZZI.

Graphs [AFH20, HITCH15, LYY16, BDK+16, DH06, WCW+17, KG02, LRFH13, LCK+14, MC12, PSB07, PKC+16, RP07, RCLM19, SH07, SPGT18, She13, SLH+20, YBY+13, JTCW07].
grasping [Leeb09, ZZMC13].

[GRASS]

Guarantees [GMP09].

SABS14, SD02, WIK.

ZZI.

Graphs [AFH20, HITCH15, LYY16, BDK+16, DH06, WCW+17, KG02, LRFH13, LCK+14, MC12, PSB07, PKC+16, RP07, RCLM19, SH07, SPGT18, She13, SLH+20, YBY+13, JTCW07].
grasping [Leeb09, ZZMC13].

[GRASS]

Guarantees [GMP09].

SABS14, SD02, WIK.

ZZI.

Graphs [AFH20, HITCH15, LYY16, BDK+16, DH06, WCW+17, KG02, LRFH13, LCK+14, MC12, PSB07, PKC+16, RP07, RCLM19, SH07, SPGT18, She13, SLH+20, YBY+13, JTCW07].
grasping [Leeb09, ZZMC13].

[GRASS]

Guarantees [GMP09].

SABS14, SD02, WIK.

ZZI.

Graphs [AFH20, HITCH15, LYY16, BDK+16, DH06, WCW+17, KG02, LRFH13, LCK+14, MC12, PSB07, PKC+16, RP07, RCLM19, SH07, SPGT18, She13, SLH+20, YBY+13, JTCW07].
grasping [Leeb09, ZZMC13].

[GRASS]

Guarantees [GMP09].

SABS14, SD02, WIK.

ZZI.
[AAPS16, BGAM12, BBB+10a, BHB+11, BBN+14, CLS+15, CJN+17, CCS+15, GBAM11, HRH+13, SJA08, WHB+12, ZKU+04, AAPS17, BWG03, CS00, MHP+19, ZJ11]. **High-Resolution** [FJA+14, HW15, Mus13, TREO16, AYL+12, GLD+19, HG09, YHJ+14, ZHRB13, ZSTB10]. **high-speed** [TAH+04]. **high-volume** [BTFN+08]. **Highlight** [BIW93, BSEH18, LLK+20]. **Higher** [BDG15]. **Highly** [ATW13, ZB94, HRE+08, IDN12, LVvdPG12, SJLP11]. **histogram** [Sha03]. **hinting** [TDR+12, RRMG10]. **Highlighted** [HHKK11]. **highlighting** [BDG15]. **Highly** [ATW13, ZB94, HRE+08, IDN12, LVvdPG12, SJLP11]. **histogram** [Sha03]. **histories** [SSTP15]. **history** [XHM+13, HLBVH]. **HMDs** [OLSL16]. **Hodge** [MMD11]. **Hodge-optimized** [MMD11]. **holes** [BW13]. **holey** [BW13]. **holodeck** [WS99]. **Holographic** [JBL18, MKG17, OKH+16, CTS+20, JMB+20, LJM+16, SHL+17, TDG18]. **holography** [PDSH17, PCP20, RRMG10]. **holonomy** [BCW17]. **home** [KDW+17, KPB+12, YYT+11]. **Homogeneous** [Kan15, FAW19, HJ11b, KSS08, TWL+05]. **Homogenized** [SNW20]. **Homomorphic** [LK02]. **Hooken** [SDK18]. **HOT** [MMD11]. **HSV** [SCB87]. **huge** [BGB+05, GM05]. **Hull** [Day90]. **hulls** [MPN+02]. **Human** [DKD+17a, GRG04, HL14, HXZ+19, Hix86, KH17a, LXZ+19, SHT14, TSLP14, XZC+18, AHM+15, ACP03, ACOYL08, CTMS03, CTTL15, CYT+18, Dee05, DWd+08, DK99, DKD+17b, FKI+14, FP03, GSCO12, HRZ+13, HPP05, HKA+18, JWDL19, KE18, KWK09, KCGF14, KPMP+17, KLF+19, KH17b, LCR+02, LPL119, LCX16, MJ+03, MFS+17, MCC09, MWTK13, NOP+18, NZZC+18, PRWH+18, PH06, PMRMB15, RPE+05, RSH+05a, SHP04, SZK15, SKL07, SGdA+10, SDO+04, TZT+18, TMB14, Van06, VPB+18, WC10, WMC11, WMP+06, WL16, XWH15, XLS+11, YKH04, YIO+15, YM16, ZMC13, ZFL+10, dSAP08]. **human-assisted** [YIO+15]. **human-centric** [KCGF14]. **Human-Computer** [Hil86]. **humanoid** [NRH17]. **humanoids** [HRL15, LPKL14]. **humans** [EHA12, JTJ10, KE18, MBB12]. **Hybrid** [EC93, HTCH15, Kla94, MSQ+18, NN39, OTS06, Rap91, VR94, YSC+18, ZYM+20, DBDB11, FOK05, PVL+05, PPW18, SWL11, WZK+17, XDF+19]. **hybridization** [FBT+18]. **hybrids** [RHDG10]. **hydrodynamics** [WAK20]. **hydrographic** [ZYZZ15]. **hydrology** [GG+13]. **Hyper** [BE18, KCS14]. **hyper-lapse** [KCS14]. **Hyper-reduced** [BE18]. **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, LRFN04]. **ICP** [Rus19]. **ideal** [WDW+15]. **identification** [XSZ+16, WZV+16]. **identifying** [DFL+15]. **identity** [NBLCO20, YCL+20]. **IGT** [GP08]. **II** [Gol85a]. **IK** [Wam16]. **iLamps** [RvBB+03]. **Illicit** [Gol85b]. **illuminant** [BDM09, LEN09]. **illuminating** [YV17]. **Illumination** [BYRN17a, CRA11, CSS96, CLSS97, PM95, RLU95, VADWG15, VMKK00, AFO05, AS02, BYRN17b, BAERD08, BBG+13, CGZ08, CNR08, DDS07, DKH+10, Fat90b, FJL+16, GSY+17, GCP+10, GFT+11, GD04, JSKJ12, Kan15, KKN+14, KF10, LALD12, MHP+19, MA06, NKGR06, Pel10, RWG+13, RGK+08, RLP+20, SL17, SFWG04, SKC+14, WH16, XWCH15, XLS].
TL04, TPWG02, TFG+13, VAZH+09, VK18, WHSG97, WFA+05, WWZ+09, WSN9, WGT+05, XDPT16, YSJR17.
illumination-guided [FJL+16].
illumination-invariant [CGZ08].
illuminators [RNt+07]. illusion [STXJ15].
illusory [CLQW08]. Illustrating [MYY+10]. Illustration [ZHH+11, ASP07, ACC05, GHG14, KNBH12, KYYL08, KST08, LeQ+07, ONO04]. illustrations [GRG04, LRA+07]. IM [Kim18].
IM-material [Kim18]. IM6D [HMT+15].
Image [AASP17b, BIP01, BLR+11].
BBPA15, BNB13, CAA10, CLC96, CZL+14, DSB+12, DCD15, DBP+15, FYW+18, Fat07, FF11, GGY18, GHCG17, HM92, HAK14, HXM+18, JKZ10, KRFB06, KLS+13, LKG+03a, LFDF07, LW15, LLN+14, LT00, LCL+17, LH20, LNBL16, LCD06, MPN+02, MZV07, PCS82, QTZ+06, RDL+15, RO85, RO87, RJN16, SMW06, SKG+12, SYJS05, SLWS07, TZW+07, TOS+03, VBK05, XFT+08, XFS+09, XK07, XLXJ11, YTS+11, YPA+18, YSQS07, Zhu18a, VW02, AASP17a, A507, AMMS08, BKS17, BSGF09, BC02, BSS+19, BMSR20, BZCC10, BHY15, BKR17, BPB13, BA83, CHM+12, CWW+16, CSW+16, CKS+17, CSHD13, CPOD7, CTW09, CCT09, CZM+10, CGZ08, CSHD03, CSRP10, DMIF15, DAD+18, DCP14a, DZP09, DTGP11, DCOY03, EKD+17, FH07, FHL+09, FFL10, FAR07, Fat08, FCA09, FLB17, FRS19, GSY+17, GO11, GOL17, GCB+17, GRBN09, GMW16, HSGL11, HSB+12].
image [HRDB16, HPP+18, HDD+14, HDD+16, HWRH13, HST+14, HDN+16, HLH+17, HMG03, HXM+13, HZW+13, HSW+17, HYG+13, HK15, HOM15, ISSI16, ISSI17, JCG09a, JTC09, KEE13, KP02, KKDK12, KSP13, Kout16, KSE+03, LHM09, LWA+12, LDF14, LSQ+15, LGA+18, LXR+18, LK20, LYY+17, LTJ18, LFB+13, LSS+17, LSC+12, MHM+09, MAS+16, NFD07, PHL+09, PHK11, PSN20, PGB03, PSA+04, PTZ11, PHS+18, RKAP+12, RFW07, RPK+12, RHDG10, RGSS10, SFLM04, SLJT08, SJA08, SLS+16, SMGE11, SSY+04, SDP+18, SHM+14, SLWF14, SDD09b, SBT+19, SIMP+10, TFX+08, TS09, TER+20, TZN19, TVLF20, TS08, TYY+19, VR+13, VT04, VBF12, VBBF16, WWH06, WTS08, WYW+10, WXY11, WFP12, WHB+12, WLL+14, WSZ+18, WYL+20, WWA+16, WSS+19, WLRH11, WST080, Wyn05, XLY09, Xia97, XKF+18, XSTN14, XYJ13, XSHR18, XADR12, YSN+18, YSQS08, YJHS12, ZZXZ09, ZN06, ZCW+17, ZHI+17, ZCC+12].
Image-Based [BBPA15, BNB13, KRFB06, KLS+13, LKG+03a, LCL+17, MPN+02, MZVW07, QTZ+06, SKG+12, TZW+07, TOS+03, VBK05, XFT+08, XFS+09, YTS+11, BK17, CWW+16, CSHD13, CPOD7, CTW09, CCT09, CZM+10, CGZ08, CSHD03, CSRP10, DMIF15, DAD+18, DCP14a, DZP09, DTGP11, DCOY03, EKD+17, FH07, FHL+09, FFL10, FAR07, Fat08, FCA09, FLB17, FRS19, GSY+17, GO11, GO17, GCB+17, GRBN09, GMW16, HSGL11, HSB+12].
image-driven [LT00]. Image-guided [BLR+11, XK07]. image-noise [CTW09].
Image-space [DCD15, RJN16, WY05].
image/video [SLJT08]. Imagery [MRC+86, MGDA+15, HH10, KH10, KCSC10, NAB+15, SJ+11]. Images [DRC+15, LR90, SB95, SS19, SC88, TGL17a, WS17a, ZLW+16, AM10, BBS14b, Bou18, BP09, CAA09, CWW+13a, CWC11, CLQW08, CZG+11, CHM+10, DSB+12, DER+10, DTGP12, DDO2b, FKY+10, GLD+19, GGH02, GLSM+08, HCS13, HCE03, HC04, HDC07, HZZ11, IKCM13, JMAK10, KE18, KH08, KSH10, KP18, KUDC07, LAB+12, LSA05, LSO+15, LYT+14, LSS+19, MCL+09, MPK09, MBN07, NFL12, ODAO15, OTS06, OBW+08, OG15, PBS04, RSSF02, SDIN18, STZ+16, STXJ15, SHZ+20, TGL17b, TEG18, TD16, TAH+04, TH99, TT09, WWH08,
WSH+16, WAM02, WS17b, XLX+16, XBS+19, ZCC+12, ZFL+10, ZTF+18, LR91].

ImageSpirit [CZL+14]. Imageworks [KCSG18]. Imaging [DMZ+17, GNHM15, GNV18, HOZ+19, KZSR16, LCD+19, ABW+17, BGK16, BKKGK17, CHWH17, CWK+20, Fre16, GKKH12, HSG+16, HRH+13, HHGH13, HHHW15, IGP+17, ITM+14, JBY+19, KR17, Kan15, KRD+12, KN06, Lee18, LCV+04, LLWD14, LOW18, LWO19, MRK+13, MHH+17, NZV+11, Par17, PKKH15, PH15b, RTF+04, RRF17, SHHW16, SDF+18, SRL+15, TAHL07, WZK+17, WMB19, WJV+05, WW13, XIAP+17, ZJM11].

Imagining [SMZ+14]. IMapper [MGC+19]. immersed [GAB20]. Immersion [LB16, HFT+08]. immersive [GWN+03, HCU15, LNWB03]. impact [KLF+19, SKV+12, SN17, 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 [BIW93, BGI+18, BRB+19, DSDD07, KSN17, PGP+19, Roc99, TAU94, VBG+13, ATW+17, BMSR20, CH99, DBD16, FLG19, GH+20, GMP09, GBC+13, HJC19, HGMT20, LT09, LDN+18, LT+20, M1515, OBS04, PICT15, PV06, SSGS11, SOS04, SS11, TO02, WG09, YYY12b].

Implicitization [Hob91]. Implicitizing [SG17]. implicits [OB+03]. Importance [CSS96, MMR+19, SLGS01, WZC+20, ARBJ03, CJAM10, GKH+13, KVG+19, LRR04, ODJ04]. Importance-Based [SGS01]. imposed [Fat07]. impossible [WFY+10]. impostor [DH0005].

Improper [ACC90]. Improve [MGDA+15, VMKK00]. Improved [LR90, LR91, MRK+14, RSA08, WHG84, CZZJ12, SMG+20, TDR+12, WSJP17].

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

IMUs [KLF+19]. in-betweening [HYNP20]. in-volume [HJ11b].

inaccessible [YSL+14]. Incident [HWZ+20, MPDW03]. Include [RT90].

incomplete [TZC09, YHZ+14].

Incompressible [BGI+18, AIA+12, LZF10, SAL+08, SP09, WHK17, XCW+20, dGWH+15]. inconsistent [DSB+12, KO13, OF12].

Incorporating [LNWB03]. Incremental [Fie85, LFS+20, RY92, MZ12, TWL+18, WM03, WSS18]. Incrementor [Res87].


indirect [HPB06, LALD12, MWRD13, RKG+08].

individualization [Y17]. Indoor [ZXT25, CLW+14, XYS+15, FCW+17, GSY+17, KMYG12, MLZ+16, MDKD16, NX12, SXZ+12, WSCR8, WLW+19, XZY+17, ZCC16, LP+19]. induced [CswIR18, FXB16, KBC+13, LSL+18].

induction [YHL+18]. inertia [BWSB14].

inertial [HKA+18, JGZ10]. Inexact [LYW18]. inextensible [GFP+07].

Inference [KSH+14, MHP+19, YSN+18]. Inferring [GJB+20, KFB93, SCH+14].

Infinite [WHK17, NM16, SPW+18, VSDL13].

inflatable [STK+14]. inflorescences [IOO05, OCH+16]. influence [VLD07].


Informative [HXZ14]. informed [ZD20].

InfraStructs [WW13]. Inhomogeneous
Injective [MGC19]. InteractionFusion [ZBYX19].

Interactions [PM18, BDWR12, CWSO13, FMB+17, FBGZ18, HMO12, HvKw16, KPH18, WMB+20, WLO+14, ZBYX19]. Interactive [AD03, A+04, AAPS16, AAPS17, AVB08, AMD02, ACSM12, AF02, BAS14, BIP01, BSO12, BB091, BCC17, BST+14, BR94, CRS+16, CLJ+20, CKS+17, CEW+08, CAR+09, CK11, DLC+15, GWP+19, GLY+03, GKJ+05, GGD+17, HR13, HSTP11, HSvTP12, IDN12, KC19, KBD07, KW11, KN02, KSKL14, LWS+18, LCR+02, LLL18, LRA+07, LFZ15, LWW08, LFUS06, MTN+15, MLS+11, MCC09, NGDA+16, Ob88, PHT+13, PKZ04, PJH+17, RHW94, RRS13, RZL+10, ROTS09, RTD+10, Ros94, SM17a, SM17b, SGW06, SXZ+17, SWC+18, SLW11, SLS+07, SSS+08, SCGT15, SSS+11, SZC+07, SSS+08, TLK09, TK14, TBWP16, TDM11, TQ94, TPWG02, VCC+15, WAB09, WBC+05, WST08, WS17a, WS17b, XMR+11, XLCB15, XLX+16, YMRD15, YCYW20, YKGA17a, YKGA17b, ZB13, ZCC+12, dSAP08, AR15, BCT15, BWG03, BBPP10, BAERD08, BDI+02, BGB+05, CK14b, CZZ14, CRG+20, CTW09, COS19].

interaction-guided [MGC19]. InteractionFusion [ZBYX19].

InteractionFusion [ZBYX19].

Interactions [PM18, BDWR12, CWSO13, FMB+17, FBGZ18, HMO12, HvKw16, KPH18, WMB+20, WLO+14, ZBYX19]. Interactive [AD03, A+04, AAPS16, AAPS17, AVB08, AMD02, ACSM12, AF02, BAS14, BIP01, BSO12, BB091, BCC17, BST+14, BR94, CRS+16, CLJ+20, CKS+17, CEW+08, CAR+09, CK11, DLC+15, GWP+19, GLY+03, GKJ+05, GGD+17, HR13, HSTP11, HSvTP12, IDN12, KC19, KBD07, KW11, KN02, KSKL14, LWS+18, LCR+02, LLL18, LRA+07, LFZ15, LWW08, LFUS06, MTN+15, MLS+11, MCC09, NGDA+16, Ob88, PHT+13, PKZ04, PJH+17, RHW94, RRS13, RZL+10, ROTS09, RTD+10, Ros94, SM17a, SM17b, SGW06, SXZ+17, SWC+18, SLW11, SLS+07, SSS+08, SCGT15, SSS+11, SZC+07, SSS+08, TLK09, TK14, TBWP16, TDM11, TQ94, TPWG02, VCC+15, WAB09, WBC+05, WST08, WS17a, WS17b, XMR+11, XLCB15, XLX+16, YMRD15, YCYW20, YKGA17a, YKGA17b, ZB13, ZCC+12, dSAP08, AR15, BCT15, BWG03, BBPP10, BAERD08, BDI+02, BGB+05, CK14b, CZZ14, CRG+20, CTW09, COS19].
Interactively [ESCK06, SRH15, YCP16].
interception [YNPN12]. Interchange [KP02]. Interchangeable [DY16].
intercluster [Xia97]. interest [ZK13].

Interface [BL18, Fol86a, Fol86b, Fol86c, HC86, Hud94, RV93, RO94, BJS98, DK99, FQL+0, FH04b, GCR13, HK10a, IWZL09, KP09, KP10, MB12, NSAC005, OS84, PTG02, Pe10, TBvD04]. Interfaces [Bar86, BD86, Jac86, SG91, Ano03, LRFN04, SH08]. Interference [HPSZ11, RV89, KWB+13, MHM+17].


Interleaving [TWAD09]. Interlinked [GPB+19]. interlocking [FSY+15, SCGT15, SFC012, SFJ+17, WSP18]. internal [MTB+13, ON0404]. Internet [CCT+09, CZG+11, HNZ11, MBGS15, STZ+16].

interplay [CM04]. interpolant [JAM20].

interpolants [BDT99]. interpolate [TO02].

interpolated [SH07]. Interpolating [FG90, SOS04, YK20, LYLL08, RP09].

Interpolation [BL92, BIW93, BF01, CK20, DLG90, Fie85, Fol87, JW15, Pet89, RVY92, SDN18, VTTSH15, WX91, BT19, BMSR20, BDPPP11, CWKB13, CCW16, Csc19, FZL15, GT917, GAF+10, MHM+09, Ma89, MK05, PR97a, RSM10b, SV19, VW97, VBK05, WG10, YSW+17, ZPBK17, ZKU+04].

Interpolations [THU17a, Thu17b].

Interpolatory [AA09, DM13, ZM11].


interpretation [YLNP12]. Interchangeable [DLY16].

Interference-aware [HPSZ11].
Jigsaw [KP02]. jitter [TBV12]. jitter-free [TBV12]. Joinery
[YKGA17a, CPMS14, YKGA17b]. Joint
[DSAF+13, GKH+13, KCL+07, LSQ+15, TWLT19, XY+09, GCPD16, HWK+15, HOM+15, ISS+16, JWD+19, KAL+17, LKK+18, TBC+16]. Joint-aware
[XW+09]. joints [LT+08, S+15]. Judder
[CA+19]. Jump
[BJ+18, G+12, YW+12a, A+16]. JumpCut [FZ+15]. junctions [K+17].
just [SC20].
K-D [XL+09]. kaleidoscope [HP03]. KD
[AG+09, ZHG+08]. KD-tree [ZHG+08].
KD-trees [AG+09]. kelvinlets
[DJ+17, DJ+18a]. Kernel
[BV+17, SBN+15, WD+09, CLC+20, Fat+11, FKY+08, GLA+19, LSR+18, LDF+14, SJ+05, VRM+18, WWB+14].
Kernel-predicting [BV+17].
kernel-splatting [GLA+19]. kernels
[ASL+17, CMT+16, FSH+11b, VBG+10, YT+13]. Key [MA+07]. Keyframe
[AHS+04, TMS+03]. Keyframe-based
[AHS+04]. Keying [AAP+16, AAS+17].
Kinematics
[HMLB16, ZB+94, BCT+15, DSP+06, GMHP+04, SZT+07, SZGP+05, S+14]. Kinetic
[BLX, KXCB+18]. Kirchhoff
[BJ+05, KTY+09, POT+17]. Kirchhoff-plateau
[POT+17]. kirigami [JRP+20]. KleinPAT
knitted [KJM+08, YKJM+12]. Knitting
[NAH+18, MAN+16, NWY+19]. Knot
[Joe+09a, S+14, Joe+99]. Knowledge
[XGC+07, MYW+15]. Kontrol [Ols+86].
KRISM [S+19]. Krylov [S+19].
L [GB+20]. L-Systems [GB+20]. LAB
[SCB+17]. Laban [DK+17a, DK+17b]. Label
[CMS+95, LSA+16, RM+13, WZF+18].
label-map [LSA+16]. Labeling
[GZ+15, ST+16, VVC+15, HSG+13, HFL+14, KHS+10, YGH+17]. labelled [HZC+17]. labels
[HL+18]. laboratory [Z+18].
laden [GPH+18]. Lagrangian
[BGOS+06, BV+11, CWS+13, LLP+13, HGM+20, KDW+17, KAG+20, PT+12, SBR+20, S+19, WPLS+18, Y+11].
lamps [RB+04]. Lampshades [ZL+16].
landing [ATM+17, HY+12]. landmark
[YNS+19]. landscape [BLD+11].
Landscapes
[PK+17a, CG+17, PK+17b]. Language
[DMZ+17, J+86, KKR+16, MP+18, Van+82, ALD+17, G+82, HFF+18, LTK+09, MG+03]. Language-driven [MP+18].
Languages [BK+16, YPB+16]. Laplacian
[AP+14, C+18, DLF+12, JC+09a, KFS+13, LSR+18, PHK+11, ZHS+05]. Laplacians
[AW+11, FW+12]. Lapped [TO+08]. lapse
[BM+07, KCS+14, LEN+09, MBGS+15, SMP+07, TDS+15]. Large
[GNS+12, KAB+15, LZX+19, SM+17a, SJ+11, ZHS+05, B+11, BWH+07, BZL+15, CB+04, DFZ+17, EDF+16, FAW+19, GB+13, HSG+13, HWG+14, HMM+19, HGM+20, IGL+06, JP+03, KGG+20, KHS+18, KFW+17, KLM+13, KSK+14, KPK+17, KGD+20, JPL+19, LFS+20, MRA+13, OAH+11, PRFS+18, RNGF+03, SMM+14, SM+17b, SWL+16, SGL+10, WFDH+18, W+05, YMR+13].
large-deformation [B+11, LFS+20].
Large-Scale
[LZX+19, GNS+12, KAB+15, SJ+11, DFZ+17, FAW+19, GB+13, HMM+19, JP+03, KGG+20, KFW+17, KSK+14,
KPZK17, PRFS18, SWL11, WFDH18.
large-step [LGL+19]. Larrabee [SCS+08].
Laser [OKH+16, XGC07]. laser-scanned [XGC07]. last [LSZ+14]. latent [NBLCO20].
lateral [SMG+20]. lattice
[ANHD17, PMS12, RJ07]. Lattices [Ros20].
Laughing [DZS08]. laughter [DZS08].
layer [IM10, LHKR10, IWH+11, LD13, PLW+07, SBK+18, ZJ18]. LayerCode
[MLYZ19]. Layered [DYP03, LCD+20b, RCOLO9, VMCS15, WLHR11, ZMS18, ZXJ+13, BNK10, Bel18, BRB+19, BDW13, DS15, DJ05, DWd+08, FLB17, GHP+08, GHZ18, JdJM14, ZGH+16, ZKU+04].
layering [MP09a]. Layers
[TLG17a, HLR+14, PTSG09, Pik83, SMH+11, TDSG15, TLG17b, ZLB16a].
Layout [ULP+15, AVB08, BSW13, CCL12, FYY+16, JLS+03, MSL+11, YWVW13].
layouts [BYMW13, CBK12, CK14b, FMLW14, MSK10, PYW14, RRS13, WYD+14, YLPM05, ZQCL19]. Lazy
[LSTS04, XFA12]. LazyFluids [JFA+15].
LCD [HLHR09]. LCDs [LWH+11]. LDR
[AIR+07]. Ldr2Hdr [RTS+07]. leaf
[RFL+05]. Learned
[CTS+20, CWK+20, HKPP20, SZD+20, CCWL18, KLV20, VKJ19, XKF+18, ZZI+17].
Learning [AWL+19, AMA+19, BB15, CK14a, CYT+18, FKI+14, FTP03, GSY+17, GTB15, GJWW15, HFW+19, HIKW+16, HLW+17c, HKC+18, HWZ+20, KWR16, KHS10, KNBH12, Kal18, KLM+13, LP10, LBB+17b, LXR+18, LZX19, LHP05, LVY16, LH17a, LH17b, LH18, LHZ+17, RSH+05a, Rit18, SSIS16, TGL14, UB18, VVC+15, WZF+18, WCPM18, WSL+19, XDF+19, YGH+17, YTL18, YZL+20, BDI+02, CHP07, FYY+18, GCB+17, HGY17, HRV+18, HSK16, HXC+20, HKA+18, ISS16, JWW+20, JBX+20, KBS15, KAL+17, LLI18, LWL17, LGA+18, LLGRK20, LSS+19, LKS15, LSC20, MTP+18, NZC+18, PZM13, PBvdP15, PBvdP16, PYBV17, PALvdP18, PKM+18, SBH16, SCH+16, SHZ+20, SZKZ20, SSKS17, TKY+17, VKS+14, WZK+17, WLY20, WPL18, WSS18, XZZ+14, ZTF+18].
Learning-Based
[LZCX19, KWR16, WZK+17]. Least
[BIW93, DMZ+17, LPRM02, LZH+20, CLC+20, FCOS05, HFG+18, SMW06, WJL+20]. Least-Squares
[BIW93, FCOS05]. leaves [WWD+05].
lecture [SBLD15]. legacy
[KHFF11, RTS+07]. Legible [ZCR+16].
LEGO [LYH+15]. Legoziz [LYH+15].
legs [GD+18]. length [HRvdP04]. Lens
[PC82, HESL11, LES10, PHN+12]. lenses [GRBN09, HRH+13, RAW08]. Lensing
[DHG16]. Lenslet [LR15]. lenticular
[THKM13]. leopard [DFW20]. less
[RRC+16]. Let [ISS16]. Level
[ACA07, CH14, EBK14, MBW02, Van82, YCL+15, BHY15, CIW15, CLMM04, DE05, FKY+10, FPBC20, HFTF15, HBD+14, HNB+06, KJM08, Kim10, KCSC10, LRT+14, LWS+18, Lee18, LWS02, MASS15, NZWC20, NNSM07, OBA03, RSH05b, SNW20, SWL14, YKJ12].
Level-of-detail
[EBK14, FKY+10, HFTF15]. level-set
[NZWC20]. Level-set-based [YCL+15].
levels [KWK09]. Leveraging
[HCTW11, ZSZ+14, LSL+18]. levitated
[OHR14]. Lexical [SG91]. library
[HZW+13]. library-driven [HZW+13].
LiDar [LGZ+13]. lie
[BT19, Duf17b, Duf17a, KCD09]. life
[AECK17, TMB14]. Lifetime [LCD+19].
Lifted [APL14]. Lifting [GHL+20]. Light
[BBS14a, BS16, BJN18, CBW02, CNR08, DPW15, DKS14, DJ05, GDS12, HSHF10, HMP+08, Kla87, LNA+06, LRR+15, LR15, MJ+03, M+'/18, MPH19, NID20, OF01, PRM14, RLLG+20, SHD+14, SXZ+20, VMCS15, VPB+09a, WZK+17, YSHW+16, BHR13, BMSR20, BDM09, BS17, BJ17,
CDP+14, DHS+05, EHDR11, FAR07, Fat09b, GTHD03, GLDZ15, GGHS03, HPJ12, HKD14, Hac18, HPB07, HKWB09, HSG+16, HDHN16, HCD07, HLHR09, HWR14, HWBR14, HCB15, IZT+07, JBM+17, JMB+14, JMY+07, KWR16, KHID14,KHKR11, KHH+11, KZP+13, KBC+13, KO11, KG+14, LHR10, LW+11, LL13, LM+16, Lch07, LZT+08, LAC+11, LALD12, LKL+13, LK20, LLW+08, MRB07, MLR+14, MRK+13, MWBR13, MPDW03, MSOC+19, MGJ19, MCT15, OK10, ORK12, OXH+14, OHHD18, OEE+18, PBO9, Pan17, PML+09, QSH+15, RHJD18, SNM+13, SHL+17, SLS+16, SSY+04]. light [SOHK16, SHK+17, TAV+10, VRA+07, VVJ+13, VKS+14, VK16, WDT+09, WHY20, WLM+15, WLHR11, WLHR12, ZWS02, ZBW+20]. light-driven [BDM09]. light-field [MRK+13].

Lights [WAGB06, WB12, WFA+05]. Lighting [HZW12, NBB04, PBMF07, SW14, SWZ96, SHS+18, SS00, YY17, ZS3120, BAOR06, BBD12, BBP13, CPWAP08, DWT+02, DCP+14b, GGN18, GC+20, KP09, KAMJ05, LK02, LYL+16, MWRD13, NRH03, NJS+11, RKKKS+07, RM07, RN+07, RZL+10, SHS+17, SKS02, VWB+12, WSM11, XMR+11].

LightSlic [OP11]. lightspeed [RKKS+07]. Lightweight [BBGB16, UM17, VWB+12].


Limits [BAU15, WP06]. Linde [DSZ17]. Line [And82, BS19, BKR+05, KYYL08, LMLH07, LB84, RW09, SZLG10, SZG+13, VA88, BGAM12, CWK+20, CSD+09, FBB16, FZLM11, GTDS10, GCR13, GRT13, HOZ+19, IH20, JDA07, KNS+09, KKL13, KSL17, LWO19, NS+13, PSBM07, Spr82, VKS+14].

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

Linear [Ale02, BB16, DPW15, DMZ+17, DLTW90, DHI+13, Fie85, GTHD03, HGM14, KW03, LS00, LSLCO05, Mey91, NON85, OF01, RY92, WJBK15, WS05, dSP09, BBO91, BBO+09, BS17, CDP+14, CS09, DCP14a, FLB17, HSB+12, HDA17, HKG11, LMR+15, MM06, MIGY15, MHR+16, NRH03, PLR+16, SIS02, TDM11, WHS07, WB08].

Linearization [KJ1]. linearly [HDHN16].

Lines [Bak94, CH14, Fat14, MST89, YZX+18, CGL+08, FTP03, KKS7, LLW17, OBS04].


Listen [TOP03]. listen [EML+18]. listeners [CRG+20]. lists [CSN+12]. Live [RZT16, DWT+02, KDMW17].


Local [APH+14, BB38, BB14a, GSV+14, HBC+18, Kalk14, Les20, PM09a, MSOC+19, MCT14, PHK11, Pet09, SSL05, SZZK02, WGY+18, ZDL+14, ASC+14, CS1H13, CH99, Coh87, DHT+10, DMF15, FF11, FLSG14, GGY18, HZ13, ISS16, KS10, KAMJ05, LFUS06, MHR+16, RZK12, SCF+04, SL17, SSD09b, TMRL14, VMG15, WHS97, WSH+18, WRK+10, WGB16, YSW+17, ZSW+10].
Local [SNB07]. Localized [HDA17, BWSS09, NVW+13, PHT+13].
Locality [BSB16, Pot91, RPPSH17a, SW18, Sze06, TiAB10, WZ14, BSB17, CW17, FLG15, ISSI17, MSRB07, RPPSH17b, YYW+12a].

IDN12, JAM+10, JdJM14, JAG18, JB02, KMOD09, KCD+16, LBK17b, LMPB+13, MTGG11, MPH+15, NGL10, PRJ+13, PRFS18, PL07, RGB16, SMC18, SSJ+14, Ter18, TWL+05, WTL+06a, WZT+08a, WZB17, YAV+20, ZYL+20. mathematical [LZ04], MathPad [LZ04], Matrices [Gol85a, YCP16, KVS13, WWS+05].

Matrix [HPB07, BFGS03, HWJ+15, HWH+16, LTT+20, OP11]. means [ABJN85, RKZ12, Zit13]. measure [GAGH14, GvdB16, HWJ].

Matting [YTBK11, CAC+02, CGC+03, JMA06, LL11, MMP+05, SJTS04, SLKS06, WAC07, WTB507a]. maximal [EDP+11, YW13], maximization [XKJ+13]. maximum [ME05, Xia97, YSW+17], maze [XK07], MCMC [YYW+12a, ZD20]. MDE [LXY+16].

Me [WZC+20, MBB12, YRP09], Mean [HF06, JSW05, TMB18, LJT13a, PCL+12].

means [ABJN85, RKZ12, Zit13], measure [GAGH14, GvdB16, LMS+19]. Measured [DWMG15, ATDP11, PL07, STPP09, SJR18]. Measurement [DDTP15, BBO91, JKS10, WOR11, WMP+06, YTJ15].

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

measures [MIWB02], Measuring [HP03, MWAM05, KRD+12, PRWH+18, PPZ+11].

Mechanical [SMCT18, CLM+13, CTN+13, KLY+14, MSS+19, MYY+10, TZCT20, XBZN19, ZKBT17, ZX5+12], mechanics [AVGT12, HVS+09, WCL+20], mechanism [XLX+16], mechanisms [HFF18, MBZ+17, ZAC+17].

Media [Ste20, BAGL19, BGL20, BRM+18, Fat09b, FCJ07, GCH+19, HED05, HWH+16, JDZJ08, LBDF13, MPG+16, NGD+06, NNDJ12, NSJ14, RSA09, WZHB09, YTC+10, YSC+18, ZWDR16]. Medial [LLF+20, LWS+15, BO04, HWCO+13, YSC+16, YLJ18], medial-axis [BO04].

median [Wei06], Megapixel [WFDH18], melanin [TOS+03], melding [DSB+12].

memex [JTRS12], memory [BAM13].

Menu [Ols86], merge [WTGT09].

MergeTree [VKJ+17], merging [CBK20, DP13, FBH+10, GKD12], Mesh [ACP+01, BYG96, Er118, GZC15, HS13, JTCW07, LVJ05, SK16, SZT+07, SLMR14, ZGMP05, TGBE16, ULP+15, WLT16, YZX+04, YKH10, ZHW+06, ZGJ16, ACXG09, ATC+08, ACBO17, BLS14, BCG05, CGF09, CLSA20, CPMS14, DBG14, DSC08, DKP11, DTP15, EBC13, FDC03, GDC15, GJTP17, GPC13, GSF+14, GF08, HSH20, HSL+06, JTO5, JDD03, KHS10, KT03, KG05, KBZ15, LT20, LHM09, LDS+16, LD14, LDPS84, LXW+11, LFJ17, LSV15, LBK16, LWT+20, MFB04, NSAC05, NGH04, PK05, SNCH08, SHD+18, SYBF06, TP+11, TWG10, TWAD09, VMW15, VMB08, WZH09, Wam16, XZY+07, YLH18, YLPM05, ZZWC12, ZJ12, ZHS+05]. Mesh-Based [Erl18, SZG05, DBG14, TWG10].

MeshCNN [HHF+19], Meshed [CH02, Wi92].

Meshes [BSTY15, ERT14, LS00, NAH+18, Sar00, TGBE16, WSY19, YCP16, AW11, ATW13, AF03, BBJ12, BC18, CBF12, CS09, CWS03, DM13, DP13, EB14, EPD09, FOK05, FKY+10, FSK04, GGS03, GLR11, HV04, IG03, JTPSH15, JSW05, KFC06, LS07, LKW10, LSLCO05, Lip12, LPW+06, LXF15, LXY+16, MS04, MCKM15, MPKZ10, OBS04, PRP+15, PZKW11, PPW18, PTC+15, PKC+16, PKC+17, SPGT18, SC20, SBZ09, SPP08, SSW+13, SGC18, SP04, SLWS07, SSK+05b, SKC+14, TPSH13, TMY+11, TSG+14, TLJP18, TPT16, VMW17, WM03, WTGT09, WPGM16, YPPM11, YSK09, YKJM12, ZBG15b, TGB13].

MeshFlow [DKP11], MeshGit [DP13]. MeshHistoo [SSTP15]. Meshing [ABE+20, Pan18, SRUL16, ACSYD05, BGE+13, CBK12, EBC14, FXBH16, FLSG14, GPW+17, HZG+18, LLX+12, LZC+18, LCBK19,
SRUL17, WGF+18, ZGW+13. Meshless [MHTG05, PKA+05, RSLL18, FGBP11, HLW+12, LTZ+08]. MeshWalker [LT20].
metallic [HCE03, PH15b]. metallophone [BLT+15]. metamaterial [MSS+19].
metamaterial [LWL17]. metamaterial-based [LW17]. Metamolds [AMG+18].
metamorphosis [COSL98, PSN20]. Metaphor [SB93]. MetaSilicone [ZKB17]. Method [FG90, LR90, LR91, LB84, Mai92, MNH15, PK83, Rcc89, RT90, Sar00, SDG+19, SSC19b, YSB+15, ANZS18, BSD09, BGO506, BWHT07, CZXZ14, CMSA20, CLC+20, DBD16, DTB06, FLJG19, FQL+20, FTP16, FG+17, Gtj17, Gb004, GfH+18, H11, HFG+18, JSS+15, JZW+15, KKL+07, LXY+16, Mh+09, MTP04, NZWC20, SR05, SMGH18, Ssc+13, Ss17, UbW99, Wdt+09, WQs+19, ZHLB10, ZB14, ZstB10, ZscJ13].
Methodology [Erl18]. Methods [CCK92, Erl18, LbK17a, LC96, Mem+19, Nn95, PP94, SpV+16, Whg84, GwW+18, Jp03, LbK17b, Nas87, NnsM07, Thj99, Uht17, Wy16, WfL+19, YlyW18, YcbvdP08].
Metric [Kh10, CkpS18, DmhG13, Fcgh08, Jhf+15, Lwc+13, MkrH11, Spks16, Zwl+18]. Metric-aware [Kh10].
Metrics [Wgy+18, Chm+12, Clw16, Mss+19, Rp03, Tgb13]. Metropolis [Bjnj18, Grs+17a, Grs+17b, Hkd14, Lkl+13, Llr+15, Mrrk+14, Ohhd18, Pan17, RlgL+20, Tll+11]. metropolised [Sohk16].
Micro [GSCO12, Ksz+15, Reg9+09, Kwn+17, Par17, JzmB11].
Micro-Appearance [Ksz+15, Kwn+17]. micro-motion [Par17].
Micro-rendering [Reg9+09]. microcylinder [SbDdJ13].
microdisparity [Tdr+12]. Microfacet [Bsn16, Rbsm19, Shhd17, Bb17, Hhd16, Hp17, Jhy+14, Wzt+08].
Microstructure [WhHl+20, Nfa+15, Yhmr16].
migration [Lwo19]. MIKE [Obs86]. millimeter [Lgk+16]. milling [Yav+20].
million [Lhk10]. millions [He07].
Minimization [Lws+15, Hs13, Rkz11, Vmt06, Wpl06, Lxd11]. minimize [Sds02]. minimizers [Lz14]. minimizing [Hpo4, Hxk+19, Kwp17, Mcsk+17, Wjzl08, Xia97].
mixing [Mbs15].
Minkowski [Bdd11]. MIP [Cs00]. MIPS [Fll15].
Mirror [Zae+14, Wgl+18]. missing [Zbg15]. Mix [Pdsh17].
Mixed-primary [Hpk+17]. mixer [Hgh13, Sl17].
mixing [Nss+19, GkHh12].
Mixture [Rly+14, Gph+18, Hmp+08, Vks+14].
Modal-space [Jl11b]. Mode [Zsk18, Wj19]. Mode-adaptive
[ZSKS18]. **Model** [BSN16, CAD19, CT82, DK99, EHSN20, FW16, FHK14, GHCG17, Hud94, LMH+15, PC82, RLY+14, Sar00, TLP06, TGZ18, WBG+16, XLCB15, ARS14, BBGB16, BWSDK2, CAJ09, CH07, CZZ14, CI11, CPSS10, CLD+13, CHB+12, DI11, DF88, DDS03, Dee05, DRE+11, DRE+12, DwD+08, DLR+09, ELFS16, EML+18, Fat11, MBF+17, FBGZ18, FD17, GWM+08, GMP+06, GSSH+20, HHdD16, HP17, HW12, Hom15, INS+20, JSB+10, KCKK12, KDR+16, KJ09, KNC+08, LWS02, LBB+17, LHM+18, LMR+15, MPBM03, MO8, MC12, MGJ20, NSS+19, PLR+16, PNRMB15, RGB16, RHHL02, SBDD13, SLF08, SFB+09, SRNN05, TOH08, TTR+17, TS12, UKSI14, Van06, VMGM15, VKJ9, WSH+16, WSJP17, WSH+18, WMP+06, WBGB16, XXW+20, XZZ+11, YX13, YSJR17, YJR17, YSW+20, YCL+15, YL10].

**Model-based** [WBG+16, KNC+08].

**Model-driven** [XZZ+11].

**Model-guided** [YSW+20].

**Modeling** [AM99, BCX95, BVC+15, BR94, BSEH18, CXGS02, CFW13, CBKM15, FKS+04, GLL+16, GJB+20, HM92, HXM+18, Iza18, KKWO9, Kla87, LBJK90, LDB+11, LDPT17, MBT+13, NY94, OCH+16, PBCF93, RHSH18a, Rees83, RFL+05, TMD+14, TWL+05, TB87, WZT+08b, WZT+08a, WOQS05, WYF+10, ZWW+18, ZYM+20, AAL16, AZB09, AGP+20, ASF+13, BAS14, BB17, BHMK+18, BBO+09, BWS10, BJ+12, BK04, BWPS13, BRB+19, CWW+12, CLS+15, CWW+16, C10, CGK+11, CEW+08, CNOX+08, CLW+14, CZL+15a, DP13, DJBDDT13, DZS08, DTG11, DSC+20, EB+06, FSL+15, GHP+08, GIZ09, GRB+18, GKT13, GTR+06, GCH+19, HGY17, HPSZ11, HSTP11, HHGM03, HMLL15, IKKP17, IOO05, IYYY14, JTC09, JGGN15, KBD07, KW11, KMP07, KN02, KYC+17, KCYW13, LF02, LRAT08, LCXS09, Leet05, LT06, LST09, LT09, LPL+17, LPL+18, LPBM20, LPW+06, MHS+19b, MWAM05, MPH+15, MWH+06, MZWV07, NKAS08, NFD07].

**Modeling** [NFJ02, OBH02, ODAO15, PPZ+11, PCL+12, PH08, PKKG03, PKZ04, PLKD18, QTZ+06, RS98, RMGH15, RDI10, RTB17, SZK15, SSTR15, SM15, SXZ+12, SLR+16, SSY+04, SSS+08, SSX+17, TAV+10, TSN010, TGY+09, TLL+11, TZW+07, TFX+08, TS08, TP17, TM14, UKG11, VB+13, VABW09, VBK05, VPB+18, WTL+06a, WLZ+09, WOR11, WWY+15, WMB19, WYL+20, WC10, WOD09, cWP03, WYD+14, WWL+19, XFT+08, XJZ+09, XGCU07, XZZ+11, XLX+16, YTRJ15, YCYW20, YKJM12, ZSCS04, ZCW+17, ZQCL19, ZXS+12].

**Modelless** [MWI18].

**Modelling** [TO02, DYY16, LPC+11, vDHDT+07].

**Models** [EST+20, GDA+17a, Gre86, KSZ+15, KH17a, NON85, PM18, Roc89, SCB87, VR94, VJ19, WLX+18, ASK+12, AAR05, BLO05, BP05, BGB+05, CCA+12, CGG+04, CDM+02, gDGP02, DS15, DAB15, DSP06, DLSCS08, DIP+18, ESC16, FGBP11, FH10, FMK+03, GADB+17b, GGG+13, GBFP11, GM05, GAB20, GKI+05, HBLM11, HMC11, ISF07, JHY+14, JP4, Ju04, JZU07, KIL+16, KMK+02, KGFP14, KGS+18, KSES14, KWN+17, K0Y+11, KLM+12, KS04b, KSSCO08, KH17b, LAJJ14, LOMI11, LiPS84, LRA+07, LSH+10, LHLF15, LSSS18, LKYU12, LBRM12, MCC09, NKFJ09, NGDA+16, NCVM05, ONO04, PHL+09, POB09, PBSH13, PNDN12, PSK+12, PNI+14, PJH+17, RID10, SXZ+17, SLF+11, SILN11, SHOW02, SSBD03, SGG+06, TLK09, TK14, TMD11, TRO16, VGDA+12, VBPP05, VKS+14, WOR11, WMC11, WLY+13, XLF+11, XWY+09, XCF+13, ZRLK07, ZLP+15, ZJMB11, ZLB16b].

**Models-Past**
MoSh [LMB14]. motifs [ACOH^+18]. Motion [AJM12, AFO03, ACOY08, AFP^+95, DKD^+17a, GXY^+17a, HTHC15, JTCW07, KDR^+16, KG02, LCL06, LWB^+10, LSC^+08, LWS02, LTF^+05, MWGZ09, MC12, PSE03, PKC^+16, PB02, SPS^+11, TDK^+11, TBvdP04, WFS^+09, WLSL10, WF96, ZXS^+12, AJS20, AXL^+19, ALL^+20, AXL^+20, AXR09, AF02, Ari06, ACOH^+18, BHR13, BSS^+13, BBA^+07, BLCD02, CMZP14, CH07, CLQW08, CL09, CLS03, CBL^+16, CGZ^+05, CYT^+18, CHP07, DWW^+18, DCP^+14b, DMHG13, DKD^+17b, ETH^+09, EM010, FP03, GSH18, GPD^+18, GSK03, GXY^+17b, HYL12, HET^+14, HRvdP04, HYNP20, HRE^+08, HAB20, HKT10, HSK16, Ho118, HKPP20, HHC^+19, HDK07, HKX^+19, HQL^+10, HPP05, HCTW11, HMT^+15, IA09, JY09, JWDL19, JHS12, KA08, hKPS03, KHKL09, KG08, KLLT08, LBK09, LCR^+02, LSR18, LAGP09, LdG^+14, LZCV20, LP02, LHP05, LVvdP^+10, LWC^+13, LMB14, LCX16, MP07, MCC09, MYW15, MK05, MRC05, PHT^+13, Par17, PH06]. motion [PCSS06, PRMG16, PMRB15, RAT06, RNd^+07, RP03, RP07, RPE^+05, RSH^+05a, RRC^+16, SHP04, SH07, SHU^+16, SSBG10, SMG^+20, SJA08, SGXT20, SNF05, SKL07, SZKZ20, SP05, TK05, TBW^+12, TAH^+04, TGPS08, VKB^+18, VAV^+07, VSH12, WRDF13, WAO^+09, WB08, WMZ^+13, WC10, WMC11, WZC12, WLP16, WL16, XWCH15, XWL^+09, YM16, ZSK18, ZZMC13, ZMF05, BZL^+17]. Motion-aware [WFS^+09]. Motion-based [WL16]. motion-beat [hKPS03]. Motion-driven [AJM12]. Motion-guided [ZXS^+12]. Motion-invariant [LSC^+08]. Motion2fusion [DDF^+17]. Motions [KH17a, DJ18a, HRZ^+13, HOKP16, KG04, KH17b, LJJ14, LYvdPG12, PCSS06, RV11, TZCT20]. motivated [MKMS04]. motorcycle [SPGT18]. mountainous [BST09]. Mounted [YLC^+20, FR19, KBBD17, LTO^+15, SPS^+11]. mouse [HGRT04]. move [Lau18, WLY20]. Movement [DKD^+17a, DKD^+17b]. movements [NRH17, SZKZ20]. mover [SRBG14, WLY20]. Moves [XYH^+18]. Movie [CF+18, FHL^+18, SS+17]. MovieReshape [JTST10]. Moving [JX96, MM^+09, SG17, CLC^+20, CC19, DER^+10, FCOS05, HFG^+18, LDS^+11].
APS+14, FG11, KGB+09, KVG+19, LJ+18, MYRD14, MM06, MMW08, PBS04, RMOW20, SDIN18, WTL05, WSZ+14, WYL+10, WOQS05, WSVT13, WMW15, YCR+15, ZYWK08. **Multiple-Fluid** [RLY+14, YCR+15]. **Multiple-knot** [Joe89]. **Multiple-scattering** [HHdD16]. **Multiplexed** [HKD14, LLW+08, NZV+11, RNd+07, WGT+05]. **multipole** [STZ14]. **Multiprocessor** [GHCC88]. **Multiresolution** [JP03, LDW97, VR94, YZG15]. **Multiview** [LYGC15]. **Multiscale** [GvdPvdS13, LPKL14]. **Muscle-driven** [LYGC15]. **mutations** [LLR+15]. My [HAB16].

**Naive** [Mor11]. **nanostructural** [AHB18]. **narration** [JMD+17]. **narratives** [CM10]. **Narrow** [LHZ+18, ABO16]. **Narrow-band** [LHZ+18]. **Natural** [JMA06, KAE20, SJ94, SGWJ18, WTBS07a, BAC+06, KHD14, Pel10, RPE+05, ZMS18]. **natural-constraint** [KHD14]. **naturalistic** [NB11]. **Nautilus** [LSS+17]. **navigate** [RMBB+13]. **Navigating** [LS00, SSC19a]. **navigation** [CDSDH13, 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, JBL18, KPM+17, MK17, XNY+16, YYR17, YL08]. **Near-exhaustive** [KKN+13]. **Near-eye** [ALK+17, LL13, SHL+17, CTS+20, HCW15, JBM+17, JBL18, KPM+17, MK17]. **near-field** [BGL20, XNY+16]. **Near-invariant** [BHR13]. **Near-optimal** [TLP07]. **Near-regular** [GZC15, HKC+18, LPLL19, ALL, HX+19, HWG14, KMM+17a, LDPT17, LSTP14, YZW19]. **needed** [KRF+18, needed [Nai98], needle [CAR+09], neighborhood [Man86]. **Neighboring** [LLK+19]. **Neo** [SDK18]. **Neo-Hookean** [SDK18]. **Nested** [SVJ15, LH04]. **Nesterov** [MHNT15]. net [YHCOZ18, YHCOZ18, HXC+20]. **NETRA** [PMOR10]. Nets [BC18, RSH18a, WF96, RSH18b]. **network** [DAD+18, GLA+19, HIF+19, LK20, DZ+16, PGZ+19, TVLF20, WLW+19]. **Networks** [GZC15, HKC+18, TSLP14, YZW+16, ALL+20, AM18, BVM+17, BB15, FvKBCO16, GSV+17, GDG+17, HKS17, HYZ+18, HWG14, KMM+17a, LDPT17, LSTP14, YZW19]. **newton** [DFW20]. **newtonian** [LZT+16, ZSKS18, ZZCJ13]. **Neural** [ALS+18, GZC15, LZX+19, LSS+19, MMR+19, MRK20, PSN20, PCPW20, YZW+16, ZBW+20, AAL16, AM18, BB15, BMSR20, GCD+20, HKS17, HYZ+18, KMM+17a, KAGS20, LDPT17, LPL+18, LCD+20b, MGA+17, MBPY+18, MHP+20, MTA+20, PO18, RDL+15, SED16, SSIS16, WLG+17, WLW+19, XCS+14, ZCT16, ZSKS18, ZZCJ13]. **Near** [LHZJ20]. **nicely** [DH96]. **night** [WM14].
DWS+20, FH04b, GWW+18, GPD+18, GRT13, HFF16, HDN+16, HMG03, HZG+12, JTPW17, KNSG17, KGL16, KSS17, KEBK05, LDK+18, LZ14, LLW04, LWC12, LHdG+14, LLMZ16, LWL17, LKK+16, LSVT15, MLDW15, MTP12, MWTK13, MAB+15, MHR+16, PL07, PDZ+18, PTH+17, RKP+12, SZX+17, SZB18, SZT+07, SPSC+17, SCT+15, SaLY+08, SDP+18, SHOW02, SMGH18, SLWF14, TBC+16, TWAD09, TYY+19, TWZ20, UKSI14, WSHL11, WSW+12, XWW+14, YLYW18, YCL+15, YYT+11, YYTC12, ZCLJ20, ZK14, ZSCM17a, ZBK18.

Optimization-based
[ASF+13, JYL09, FH04b, GPD+18].
optimize [AMA+19]. Optimized
[DZP09, WTS08, LH16, LKK+16, MWBR13, MMdGD11, OHB+11, SLWS07, WSL10, XUC+14, ZXXL+20]. Optimizing
[AKJ08, CAA09, GSH18, HSG13, HH10, KK20, Ter18, WFH09, WH10, WHDK12, BWBSH14, LHK10, LH15, TDM+14].
OptX [PDD+10]. Orbifold
[AL15, AL16, AKL17]. Order
[BIW93, BSEH18, EC93, Jan91, KIM+19, MJJG18, BSS+11, GKH+13, GI04, LLK+20, MAB+15, RMB07, SMM14, ZRB14].
Ordered [BSW02, RGM15]. Ordering
[AE015, Wil92, AW20]. organization
[HSS+13]. Organizing
[XMZ+14, PHL+09].
orientable [TTZ+20]. orientation
[FCODS08, HZM+08, LSL+18, RPWO18].
orientation-preserving [RPWO18].
Oriented [Bar86, SB03, CG11, FvKBC06, MC11, QHY+16]. ornamental
[ZCT16]. ortho [TS08]. ortho-image
[TS08]. orthogonal
[PPTSH14, RSHH18b, LF08]. Orthotropic
[MSDL17]. OSCAM [OHB+11].
oscillatory [KA08]. Oslo [Mey91]. OT
[PK05]. Out-of-core
[IG03, NNSM07, SBZ09, WWS+05, CGG+04, WHY+13].

outdoor [LRT+14, SPDF13]. Outdoors
[DRC+15]. outfit [YTC12]. Output
[PK83, SO92, JP04, JBP06].
Output-Sensitive
[SO92, JP04, JBP06].

OverCoat
[SSG11]. overcomplete
[MWBR13]. overdrawing
[SNB07]. overlap
[KA08]. overlapping [PK83]. overlay
[SDS02]. overview [ACOYL08].

P [LTT+20]. P-cloth [LTT+20]. P2P
[YHCOZ18]. P2P-NET [YHCOZ18]. pack
[CZL+15b, HXC+20]. packets [JW17].

Packing
[SHWP09, LVS18, LF+19, RRS15, YCL+15]. pad [RP09]. paGAN
[NSX+18]. paged [AGL+17, SABS14].
Paint
[LSS09, PBM07]. painterly
[BBS+13, BOD+13, ZZX09]. Painting
[ARS14, CH04, gDGPR02, LFB+13, SED16, SMPZ15, ZSSJL15, CKW15, LBD13, MP08, SSGS11, SBK+18, XCW14].
Painting-to-
[ARS14]. paintings
[BSS+11, BTNF+08, TDSG15, XKK+06].
pair [BD11, HXM+13, OG12]. pairs
[AP08, PSA+04, YHL+18, YS07].

pairwise [AMCO06]. Palette
[CFL+15, MVH+17, SLD17, TEC18].
Palettes-based
[CFL+15, TEG18].

palette-space
[MVH+17]. panchromatic
[WKB+12]. Panel
[XIM18]. Paneling
[EKS+10]. panels
[PSB+08]. Panorama
[HLS15, STP12]. Panoramas
[YLC+20, AAC+06]. Panoramic
[AZP+05, DK09, HCS13, LKK+16, OEE+18].

PantaRay
[PFT010]. Paparazzi
[LJ18].
Paper
[SRH+15, CT05, LSH+10].
papercraft
[MS04]. Papers
[Ano85b, Ano92b, Spe03]. Paradigm
[BBB+93]. paradigms
[KP09, KP10].

Parallax
[KAW10, KDR+16, LHKR10].
Parallel
[BWWM10, CG89, Czy17b, HMLB16, KS95, LH05, NM16, WDB+08, Wei08, AVG12, ASA+09, CZY17a, FFB+09, GLDFN14, GLHL11, REG+09, SS10a, TBV12, WQS+20, YXH14].
Parallelepipeds [PVY90]. Parameter [FG90, JW15, Pag98, Pat85, Pat87, MMT18, YLYW18, ZS00], parameter-free [MMT18].

Parameterization [LCOLTE07, AB89, ACP03, DHB17, DJ18b, FBT+18, GDC15, GGS03, HSH20, KG04, KS04b, LKK+18, LymdPG12, PKC+17, RLL+06, S615, TBT808, WSSK13, ZMT05].

Parameterization-free [LCOLTE07]. parameterizations [KLS03, LYNF18]. parameterized [BWSK12, LLKP11]. Parameterizing [HSH10, Gos00]. Parameters [DB88, Res87, DIO+12, SD12, ZWDR16].

Parametric [BSN16, Fil89, MD94, MIB15, RS14a, RS18, SSB+17a, SLM+17a, ZFL+10, BBGB16, HB89, LBAD+06, RS98, SSB+17b, SLM+17b, SDL17, SD98, VKS+14, WDB+08].

Parametrization [CSZZ20, LCBK19, BCW17, CBK15, CLW16, MZ12, MZ13, MPZ14, PTS+11, PH03, TPP+11, WZ14].


part-based [BJ+12, KLM+13]. Partial [HFW+19, HOZ+19, MGPO6, ZXT+09, BWS10, BC19, GCOO6, XZJ+12].

Partial-Shape [HFW+19]. Participating [Fat09b, FCJ07, HED05, HWH+16, JDZJ08, NGD+06, NNDJ12, NSJ14, YIC+10].

Particle [Ree83, ZGW+13, APKG07, CLC+20, FOA03, FGG+17, GPH+18, HRL15, JSS+15, LAD08, MMCK14, MBT+15, NFD07, SRF05, SGI11, WAK20, XI+17, YCL+17, YT13, ZLB16a].


Patch [BKR17, KSB+13, LLX+01, XLY09, BZL+15, CLW12, DSB+12, FPBCO20, HZW+13, SKY+12, WSL18]. Patch-based [BKR17, KSB+13, LLX+01, XLY09, CLW12, DSB+12, HZW+13, SKY+12, WSL18]. patch-level [FPBCO20]. Patches [BCX95, GPSZ11, LCL06, LS08, LSNC09, SKSY08]. Patching [Pet01]. PatchMatch [BSFG09].

PatchNet [HZW+13]. PatchTable [BZL+15]. PATEX [GLM16]. Path [BYRN17a, CA00, CFS+18, FH1+18, GIF+18, HZE+19, KIM+19, NID20, PCS+20, SNM+13, WHY+20, ZD20, BPE17, BYRN17b, CRS+16, CTE05, FZBR16, HJ11a, HPJ12, HR13, KHD14, KMA+15, KB12, LH16, MHIM+09, MKD+16, MGJ19, PVE19, SBB+18, SMG18, ZXR+20].


Pattern-guided [YCYZ11]. Patterns [RSM20, AHD+15, BGL+13, BSM+07, CLQW08, DEM96, DLL+15, HCE03, HSF07, JTV+15, KSO4a, KSS06, KRD+12, KCPS15, LWS+18, LBB+14, LSL+17, PWW18, PHD+10, RFL+05, SP16, VMW17, YBY+13, ZJL+14]. PCH [YXH14]. PCD [HAM07].

PDE [UBW99]. PDF [HSB+12].

pearlescent [GMG+20]. peeling [LZF+19].
MWBR13, MPN 02, MCE 17, NLGK18, Ng05, PSA 04, RAT06, RAWV08, SCG 05, VRA 07, VWJ 13, XRLF15. photometric [HLHZ08, MS05, PCK 08, VPB 09b, WGP 10, XBS 19, ZRL 09]. photomontage [ADA 04]. Photon [DJBJ19, GRS 17a, BJ17, Dec05, GRS 17b, GHV 18, HOJ08, HJ09, HJJ10, HJJ1a, JNSJ11, JNT 11, KD13a, KZ11, LLZ 20, LOW18, MM06, QSH 15, SJ13]. photonic [HHGH13]. Photorealistic [GN06, POB09, Tsa15, KP11a, PRFS18, RTF 04]. Photos [AECO15, FSGF16, MBGS15, SGSS08]. photosensing [RBvB 04, RN4 07].

PhotoShape [PRFS18]. PhysCap [SGXT20]. Physical [BSL 16, BKS 12, CSvR18, HFM 10, KKKR 16, YYL 19, BBG 13, LBD13, MIWI16, PKM 18, SWK16, WW13]. Physically [HMS05, HESL11, LCT19, NFR02, SML 12, WLZ 09, WMCI11, WDR11, YTJR15, BP08, FP03, GS04, LSGV18, MWRD13, MPP11, ODGK03, RYL13, SHP04, SNM 13, SGXT20, SH08, TK05, UIM12, WC10, WGH20]. Physically-accurate [YTJR15].

Physically-based [HMS05, HESL11, LCT19, SML 12, WDR11, GS04, MWRD13, SNM 13, TK05]. Physics [BSK 16, BFVF17b, CYFW14, DLK18, EHSN20, GB13, HHC 19, KGBS11, LVY16, LHI1a, WTGT10, YPA 18, AVF17, CBvdP09, HMT 12, IKKP17, JLI1a, KIL 16, KPM 17, LHP05, LHI17b, MMCK14, MTM16, MdlH10, PDZ 18, PALvdP18, YRPF09, ZZMC13]. Physics-Based [BFVF17b, LVY16, LHI1a, EHSN20, GB13, HHC 19, AVF17, CBvdP09, IKKP17, JLI1a, KIL 16, LHP05, LHI17b, MdlH10, PALvdP18, YRPF09, ZZMC13]. Physics-driven [BSK 16]. physics-guided [MTM16]. Physics-Inspired [YPA 18, CYFW14, KGBS11, WTGT10]. Physiological [MIWB02]. PIC [NAN 20]. PiCam [VLD 13]. picker [DK99].

playback [KC19]. player
[SHK+14, WAH+10]. Playful [SLD17].
pleasing [GSH18]. Plotting [And83]. plush
[Mi07]. Plushie [Mi07], plushies [BCC17].
ply [MGZJ20], ply-based [MGZJ20]. PML
[SKM10]. PML-based [SKM10].
nemonic [MZL+17]. Pocket [RWS+11].

Pockets [HA92]. Point
[AA06, AML18, CB14, CMS95, Erl18, Jan91,
MDK+16, NON85, Özt16, PKG06, RHW94,
TFD+18, WX91, WSL+19, WS85, YSB+15,
ZHW+12, AHD15, ANHD17, AA09, AK04,
ASGCO10, BSD09, Che13, CLSA20, DVS03,
DBD16, EKAS84, FLGJ19, FQL+20, Fat11,
FCOAOS3, GTJS17, GWW+18, GAF+10,
GG07, GHH+18, HRV+18, HGF+18,
HLZ+09, HWG+13, HWOC+13, HCJ19,
JWJ+14, KTB07, KTT13, LdPS84, LYO+10,
MLR+14, ÖG12, PKG03, SSC+13,
TZO09, WPL06, WQS+20, WFL+19,
YHZ+14, YHCZ18, ZPKG02, MA07].

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

Point-Feature [CMS95]. point-location
[EKA84]. Point-sampled [AA06, PKG03].
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,
JCC09a, KH13, PGB03, SJWT04, Wei08,
WSL+14, YW13, YZQ+04, YIC+14].

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

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

Poisson-guided
[SLD17]. Polar
[Sei93, KP07, MP09c, SV19]. polarimetric
[BJK18]. Polarization
[LWH+11, RRF17, MRK+13]. polarized
[GCP+10, GFT+11]. policies [CBvdP09].

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

Poly-Spline [SDG+19]. Polycube
[HJS+14, FXBH16, LVS+13, THCM04].

PolyCube-Maps [THCM04]. PolyCut
[LVS+13]. PolyDepth [JTL+12].

polydispersity
[MPG+16]. Polygon
[BYG96, Dun83, Mai92, SG82, WS85,
BPK05, IG03, SOS04]. Polygon-Filling
[Dun83].

polymorphism
[ACXG09, AW11, ACSD+03, BF08,
CGG+04, DP13, HDHN16, Ju04, PNDN12,
PCC05, TLK09, VMW17, WR18].

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

Pop-up
[LSH+10]. Porous
[LAD08, TGK+17]. portal [GNW+03].

Portray [SIS+17, SIS+18, BSM+13,
CWW+12, CSL+15, FAC11, FSGF16,
SBT+19, TER+20, TZT+18, WYL+20].

portraits
[AECOKC17, KS16, KGT+18,
LG+13, MKD16, SED16, SPB+14, SLL19,
YNS19, ZAE+14]. Pose
[EM96, TSLP14,
XB16, AZB09, ACC05, GWP09,
HKA+18, HOM15, KAL+17, Lin09, MAA+17,
MDB+19, NOP+18, TBC+16]. pose-free
[AZB09]. Pose-space [XML16]. poser
[HKA+18, LCX09]. poses [ZBYX19].

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

Position-based
[PTV+17, Wan15]. Position-correcting
[RMD12].
Position-free [GHZ18]. Position-normal [YHMR16]. Positioning [Bae82, ZB94]. positions [NRDR05]. possible [IMH05, ZCD+16]. Post [HHX+18, PTMD07, BGKS17, ITM+14]. post-capture [BGKS17, ITM+14].

Post-Processing [HHX+18].

Post-production [PTMD07]. potential [CS00, LFS+20, OHR14]. Power [AGL+17, BLTD16, FF88, dGWH+15, MMT18, SR97, SR00, WYM+16, XLC+16]. PPPM [ZB14]. Practical [AWL13, EDR11, GHP+08, GRB+18, LWA+12, LYL+16, LJJ+18, LSVT15, MC92, NLGK18, RSL16, RZK11, SJJ12, TGI17a, TGI17b, VAV+07, AB20, BB17, CAJ09, EKA84, FTP16, JSB+10, KySK10, MSOC+19, MGZJ20, SbDJ13, SRNN05, TWAD09, XCM+14, YJR17, ZG02, ZRL+09].

Prager [KG+16]. Prakash [RNd+07]. pre [HMAM09]. pre-tessellation [HMAM09]. precise [NRDR05, TBC+16]. Precision [SFB92, TVLF20, Wan18a].

precomputation [KKN+13, WJ19, YLX+15]. Precomputed [CZJ12, JBP06, KAMJ05, RSM+10a, SKS02, XIM18, ZHL+05, BAERD08, Leh07, RS14a, RS18, SL17, SKOA14, SHHS03, SLS05, TS06, ZJ10]. Precomputing [JF03].

Preconditioner [CZY17b, CZY17a].

preconditioners [KS11]. preconditioning [KSF13, Sze06]. predict [GSY+17, HLV+17c, SHZ+20]. Predicting [DWMG15, WGY+18, BVM+17, BAC+06, KMM+17a]. Prediction [SSHI8a, WBF+17a, ATM+17, KKDK12, LPL+18, VRM+18, WBF+17b, WLP16, YSW+20].


Presentations [Cas91, Mac86]. presenting [FNvd82]. preservation [LCORL07]. Preserving [ABO16, NKJF09, SK16, WX91, BHY15, BSBC12, CAA09, CZZT12, DBWG15, DHB17, ETK+07, FH07, FFLS08, FKY+10, GOTG05, HK10a, HKT10, JDD03, KEE13, LHM09, LCOZ+11, LGJA09, LKWS16, MSW+09, MCP+09, NSAC05, OL03, QPWH08, RPWO18, SLS+16, SSD09b, TWZ20, WWA+16, WZYR19, ZNT18].

presorted [CSN+12]. Pressure [BG1+18, GPB+19, LBB17a, TB20, ZSZ+14]. pressure-viscosity-contact [TB20].

preview [RKKS07]. Primal [ORK12].


Principal [Wu92, GI04, SHHS03, TISM16, XSBZ15]. print [UPSW16]. print-wind [UPSW16].

printable [KSS+15, LBRM12, MTN+15, SVB+12, YCL+15].

Printed [AJS20, PRM14, ZLW+16, LSZ+14, MLYZ19, TDG18].

printers [ERP+19].

Printing [BAU15, DTPG12, LR90, LR91, MSS+12, MAG+09, PLMR17, SCB88, UTB+19, WPGM16, BVF+17a, BATU18, CCA+12, CZL+15b, DW+18, DHL14, ESZ+17, ICG17, PFB+20, SBR+15, SBK+18, SARW+15, SBR+19, WWY+13, ZYZZ15, ZLP+15, ZBW+20].

Printone [UPSW16]. prints [CLD+13, PH15a, THKM13, TTZ+20].

prior [BSP+19, CCWL18, CJN+17, MYW15, LWL+19].

Priors [VR94, ISSI16, LCXS09, SKAG15, WSCR18, ZZZ+17, ZXC+18].

prism [BKGK17].

Proactive [YSL+14, XHS+15].

Probabilistic [CKGK11, FW16, LRHF13].
RHW94, CLS03, HAB20, KCKK12, KZ11, LCK+14, NKA08, WLP16. probability
[DLC+15]. probable [DTB06]. probe [BBO91, ORK12, RLP+20]. probes [SL17].
probing [OHX+14]. problem [DIO+12, HPB07, LW16, OP11, XW09, YWH13].
Problems
[FM84, Gol84, OF01, DML17, GITH14, MSW14, MLT17, PKKH15, SPK16].
Procedural
[BSW13, GDAB+17a, GJB+20, LLDD09, MDL16, MWH+06, SW14, TEZ+19, WOD09, BDK+16, BWS10, BHN07, CH02, CEW+08, CDM+02, EVC+15, GDAB+17b, GGG+13, GSV+14, GSLM+08, HSS08, KW11, LD05, LW08, MZW07, NSCOL8, NGDA+16, RMMH15, SP16, SM15, SLH+20, TLL+11, VGD+12, WYD+14, ZLB16].
Procedurally [Ka83]. procedures
[MCS15]. Process [MOR+18]. Processes
[Özt16, IAF09]. Processing
[HHX+18, SGW18, XWC+16, dGMD14, CPD07, CKPS17, CGZ08, CK11, FMR20, GO11, HBD+14, HDD+16, HST+14, HDA17, HHN+02, KSH10, KH10, KG08, KWB+15, LGA+18, LHLK10, LTJ18, MASS15, MAS+16, MMTD07, OEE+18, PHK11, PKCH18, RKAP+12, RH04, RVAL09, SR00, SDP+18, SLMR14, STP12, TBW03, TYY+19, WRDF13, WFL+15, WSS05, YW13, Zhu18a, dGMD16]. Processor
[KS95]. processors [CTH+14]. Product
[SG17, BB15, NRH04, PBW19, SM06, SR09].
Production
[FHL+18, GIF+18, PHa18, LF02, LZT+19, PTMD07, TKTS11].
products [CJM05]. professional
[LVS+16]. profiles [KWB+13]. Program
[NN00, Spr82]. Programmable
[GTDS10, LLW+08, LHVT17a, LHVT17b, SSBG10, HAM07, HGG+11, HMG03, KLPC18, LB05, NJS+11, PTSO15, PBMH02, VAZH+09, VWRK13, WSS05].
Programming
[BK16, GF82, HGM14, PPV95, Wu92, ZB94, BLPW14, HZG08, HKG11, KABL14, LGAG18, MGAK03, NYM19, SAMW11, SFB+09]. programs
[AMA+19, HZG09, JBX+20, RMGH15]. Progressive
[DKHS14, FCOAOS3, GDO2, HOJ08, HLC+19, JNT+11, KZ11, LDS03, LYNF18, SJZP19, SJ13, VMK00, YSQ08, HJ09, HJJ10, KD13a, LJH13b, LIZ+20, PK05]. progressively [ZZV+03]. progressively-variant [ZZV+03]. project
[Ano10, ZIT+19]. Projected
[And82, YZX+18]. Projection
[DG16, ZN06, ARN05, DLL+18, GWGB10, HWR14, HSHF10, JBM+17, JTL+12, JSZP20, KYS+15, LZF10, LCOLTE07, MS05, MW118, ME05, PMA+14, SCT+15, SSW+13, ZBG15].
projection-based [MS05]. projections
[AYL+12, BML+14, CA09, KSJ08, MWR13, MHR+16, SBB11]. Projective
[BML+14, LJBD20, Pat85, WG+13, ZLW+16, BEH18, Wan15, Pat87].
Projectively [NY94]. projector [BBG+13].
projector-based [BBG+13]. projectors
[RvBB+03, Rvb+04, SGM12].
Propagation
[SM17a, AP08, ACSM12, CRS+16, CRG+20, CZZT12, Er107, Fat09b, GWJW14, HRL15, Liu18, MRA+13, QHY+16, RSM+10a, RS14a, RS18, SMM14, SM17b, SYJS05, VWJ+13, XLJ+09, YMR+13, ZSM18]. properties
[AHD15, FCJ07, NGD+06, ODJ04, SZG+13, WSM11, ZKBT17].
prosody
[LTK09]. prosody-driven
[LTK09]. Protected [KTL+04]. prototype
[AWG04]. prototypes [KLY+14, YPB16].
Provably [PL14, DML17, YLJ18]. proxies
[CB17, JSMH12, TYY+19, ZZC+12].
proximal [HDN+16, HDN+16]. proximity
[SGG+06]. Proxy
[HXM+18, KGL16, MSL11].
Proxy-to-Image [HXM+18]. pruning
[TMRL14]. psychophysical
[AFR+07, GRG04]. psychophysically
[FCGH08]. psychophysics [SSC10].
Pteromys [UKS14]. pupil
[JBM17, POB09]. pupil-tracked
[JBM17]. PuppetMaster [ZPB19].
Puppetry [SLG01, BJS08, SZT07].
pure [WHY20]. purification [LSQ15].
Purpose [Lev84, PBD10]. Push
[HMO12, LLK15]. Push-recovery
[LLK15]. Pushdown [Ols84]. Pushing
[BAU15]. PushPull [LMW14]. Putting
[WB13]. puzzle [LKF09]. puzzles
[LKvK12, SFC012, SZ15, XLF16].
Pyramid [KSH16, PHK11]. pyramidal
[CLF18, HLZCO14]. pyramids [FFL11].
Q [LWS15]. Q-MAT [LWS15]. QEx
[EBCK13]. QR [CLLM13]. Quad
[ULP15, BCE13, CBK12, CK14b,
EBCK13, ECBK14, ESCK16, FBH10,
JRPW20, LCBI9, PPW18, SW05,
SPGT18, TPSHSH13, TPP11, TMB18].
quad-based [JRPW20]. quad-dominant
[SPGT18]. quad-fragment [FBH10].
Quadrangulation [FBT18, LHJ14,
ACBCO17, BWSS12, BZK09, DBG06,
HZN08, MTP15, ZHLB10].
quadrangulations [PBJW14, VPR19].
Quadratic
[BC14, ERT14, LWS15, KGL16].
Quadrature [GT96, FQL20]. Quadratic
[CGR91, FNO09, GZ05, MiS87, TGB13].
Quadratic-based [GZ05]. Quadratic-Surface
[FNO09]. Quadratics [SJ94]. Quadrilateral
[DSSC08, DM13, LXW11, PZKW11].
quadratror
[GSB18, JRT15, RH16, XYH18].
quadruped [LSC20, ZKS15].
quadrupeds [CKJ11]. Quadrrees
[LS00, Aga07, ABJN85, BFK16, SW05].
Qualitative [HSS13]. Quality [AAP16,
KKDK12, WSL14, AAPS17, AMMS08,
ACMS10, BWG03, BGAM12, BBB10a,
BHB11, BBN14, CHM12, CBK12, CS00,
CLS15, CTW09, CLW14, CJN17,
CCS15, Cse19, DDD14, GBAM11, GT96,
HRH13, LWC13, MKRH11, MHP19,
SHD18, SJA08, SFWG04, WAC07,
WHB12, ZJ11, ZF03, ZKU04].
Quality-driven [WSL14]. quantifying
[RPE05]. Quantitative [CM83, TGDZ18].
Quantization
[Wu92, CCOST05, HRV97, LCBK19, Xia97].
Quantized [CBK15, DII1].
quantized-diffusion [DI11]. quantum
[BSW02]. quartet [HSS13]. Quartic
[Joe09b, Pet89]. Quasi
[LBK17a, LBK17b, TWL05, ZBK18].
quasi-homogeneous [TWL05].
Quasi-newton [LBK17b, LBK17a, ZBK18].
quasiconformal [LKF12]. Quaternion
[HFK94, KCZ08]. Queries
[MPB17a, BZL15, HJ11b, MPB17b].
QuickETC2 [Nah20]. quilting [ZHW06].
Rack [TE82]. radar [LGK16]. Radial
[WLH13, KN06, TS06]. Radiance
[BDT99, HWZ20, JDZ08, MJG18,
HW12, JNSJ11, KMM17a, KAMJ05,
RWG13, SL17, SJK02, SLSS03, SHHS03,
SL05, TS06, WK99, LAM11].
radiance-predicting [KMM17a]. radiant
[SSBD03]. radiative [ABW14, BRM18,
JAM10, JAC09, PCS20, ZRB14].
Radiosity [ACP01, NN95, RT90, DDP99].
RAID [GMW16]. rain [GN06, LCT19].
Rainbow [XIAP17]. rainbows [SML12].
rasing [CLS85]. Random
[HZE19, NH08, PM05, AMA19, CNX08,
GVS14, KCYW13, LT20, LSK16, SD12].
Random-access
[HN08, KCYW13, LSK16]. random-phase
[GVS14]. Randomized [GF08, BSFG09].
Range [SB95, WS17a, ACP02, ACP03,
AMMS08, BI08, CZ11, DD02b, FKI14,
FLW02, HSG16, HFI08, KSB13, KR17,
KUWS03, LSA05, MRK13, MKMS04,
MEMS06, MCHAM06, PMOR10, PTSZ11,
RAI06, SHS04, TAH10, Van06, WLR11,
WS17b, BZL+17, LCTS05. **Rank**
[SW18, LHKR10, MK16].

**Rank-Constrained** [SW18]. **ranking**
[WLO+14]. **Rapid**
[KLPCP18, RxEF93, WWA+16, HTF15, HFF16, JB02, MGBD05, vdBHT+07].

**Rapidly** [Fol87, TMRL14, ZIT+19].

**RAPter** [MMBM15]. **Raster**
[Dun83, Lev84, McH92, VN95, WW82].

**Rasterization** [Hob90, AM03, FRS19, LAKL11, LH16, LLGK20, PR06].

**Rasterizing** [Taut94]. **Rate**
[WLF+20, HGF14, HDD+16, KLF+19].

**rates** [TDM16]. **ratio** [NSJ14]. **Rational**
[BHN98, Che92, EK98, HB89, KLN91, SG17, War92, AB99, BC17, CAD90, GMR99, Joe89, ZSA00]. **raw** [LRS18]. **Ray**
[BK85, GHCC88, KGB+09, Kaj83, Lev90, LCS03, NKK+14, PP94, PBMH02, RLU95, SLM+16a, VJ+16, WH96, WBS07, WHG84, vW84, BDM14, DMB+14, DHW+11, EDR11, HJW+08, HQL+10, HZ11, IYY14, LAA+05, LADL18, MBK+10, Mor11, MHR+16, NPP+11, NNDJ12, PFA10, PBD+10, RAWV08, RSH05b, SLM+17b, SKE+14, WWB+14, WS99, WSS05, YMR+12, ZRL+08, BK87].

**ray-traced** [EDR11, PFA10].

**Ray-Tracing** [NNK+14, Mor11]. **RayCore**
[KKK+14]. **Razor** [DHW+11]. **RBF**
[NC+20]. **RBF-FD** [NC+20]. **Re**
[JSSH15, Par90, WP90, BHW16, DNZ+17a, GDC15, GPW+17, KD13b, MBP+18, NKA08]. **re-creation** [NKA08].

**Re-Editing** [JSSH15]. **re-integration**
[DNZ+17a]. **re-meshing** [GPW+17].

**re-parameterization** [GDC15].

**re-rendering** [MBP+18]. **re-simulation**
[BHW16, KD13b]. **reaction**
[DWF20, RCLM19]. **Ready**
[LLF+20, ZB13]. **Real**
[ASA+09, ADM+08, BHN08, BJ05, BP08, BZ11, BAOR06, CBZB15, CWW+16, CKH18, CPD07, CM11, DNZ+17b, DLK18, DYN03, DFL19, EMU15, FKY08, GXY+17a, GXY+17b, HXZ+19, HV04, HRE+08, HDH16, JTL+12, JKT+15, KSZ+15, KIM+19, LH16, LES10, LTK09, LZX+01, LFTC13, LHLK10, LBK17a, LZH+20, LB06, MP08, MB+19, MCK13, NMD+17, NZIS13, PZ08, PO08, POC05, RWS+06, RHH02, SBHS18, SWE+15, SL17, SUI18, TDL+18, TZN+15, TZS+18, TSLP14, VRBC18, VTS15, WWD+05, WPP07, WP09b, WMY+16, WXL17, WOG06, WZN+14, ZXTZ15, ZZZ+17, ZHH16, ZHWG08, ZRL+08, ZNN+14, ALY08, BK04, CWLZ13, CHZ14, CCWL18, CH02, CBI13, CT05, CHP07, CNR08, DNZ+17a, DvGNK99, DLOM+05, DFZ+17, DKD+16, DFF+17, FYYK10, GO12, GCB+17, GOB08, HFF18, HMO12, HSW+17, HKA+18, HESL11, JPS11, JTP02, KNS+09, KCODL06, KR+18, KAMJ05, LCC11]. **real** [LXZ+15, LBK17b, LNW03, MMCK14, MHB+17, MBP+18, MP04, MB12, MSS+17, NSX+18, NOP+18, PRW+18, PCK+08, RSM+10, RST+15, RST+14, TXT20, SKS02, SRR05, TST+18, TPT16, TLP06, TS12, VBG+13, WAO+09, WJBK15, WSJP17, WM+20, XUC+14, ZBYX19, dASTH10]. **Real-Time**
[BJ05, DNZ+17b, DLK18, GXY+17a, HZK+19, KIM+19, LBK17a, TZN+18, TSLP14, VTS15, XZT15, ASA+09, ADM+08, BP08, BZ11, BAOR06, CBZB15, CWW+16, CKH18, CPD07, CM11, DYN03, EMU15, FKY08, GXY+17b, HV04, HRE+08, HDH16, JTL+12, JKT+15, KSZ+15, KIM+19, LH16, LES10, LTK09, LZX+01, LFTC13, LHLK10, LZH+20, LB06, MP08, MB+19, NMD+17, NZIS13, PZ08, PO08, POC05, RWS+06, RHH02, SWE+15, SL17, SUI18b, TDL+18, TZN+15, VRBC18, VTS15, WWD+05, WPP07, WP09b, WMY+16, WXL17, WOG06, WZN+14, ZXTZ15, ZZZ+17, ZHH16, ZHWG08, ZRL+08, ZNN+14, ALY08, BK04, CWLZ13, CHZ14, CCWL18, CH02, CBI13, CT05, CHP07, CNR08, DNZ+17a, DvGNK99, DLOM+05, DFZ+17, DKD+16, DFF+17, FYYK10, GO12, GCB+17, GOB08, HFF18, HMO12, HSW+17, HKA+18, HESL11, JPS11, JTP02, KNS+09, KCODL06, KR+18, KAMJ05, LCC11].
reallocation

Reanimating XWCH15, BWP13, SJP05, WAC07, WZC12,
Realtime [LYYB13, WSXC16, WBLP11, WMB13, XUC14, ZBYX19, dASTH10].
Real-World [SBSH18, ALY08, DvGNK99].
RealBrush [LBD13]. realism [CLS+17, XADR12]. Realistic
[HM92, SLST14, SBK11, WW08, eWP03, CXGS02, CPWAP08, DF20, DPF03, HRZ13, JWDL19, RPC10, SHP04, SQRH16, WC10, ZLB16b, CKX08]. realistic-looking [RPC10]. Reality [DFYL19, KAW20, TZZ18, ALK17, AGB16, BP12, CKX08, Did18, HK18b, JBM17, KJS19, KDMW17, KVKW20, LSL18, LJM16, MGDB05, MLR14, MKG17, OEE18, PSK16, RRS19, SMG05, SSBB17, SMG20, SWK16, SWP18, Wan18b].
realization [LJM16].
reconstruction [ZN14, ZHJ15].
reconstructive [MC15].
recording [HZ09]. recordings [SDO04]. recover [KWB13].
Recovering [XDPT16, DCP14b, HXM13, LSS17, RMOW20].
Recovery [TSLP14, YPA18, DRW14, HWJ15, LLK15, SFC12, YSHL11].
Rectangles [Bae82]. Rectangling [HCB13].
rectification [GGY18, LSVT15]. recurrent [CKS17]. Recursive [KCODL06, LPX19, NMLH14, SL9, SFC12, IS04, LXC17, NMLH11, NM16, XZC18].
Recursively [BS88, BS90]. Redefining [UTB19].
Redirected [DFYL19]. redirection [LSL18, SWP18]. redistribution [CTE05].
RedMax [WWB19]. Reduce [HC86]. Reduced
[MAB15, PM18, BDP09, BEH18, CZZ14, DSP06, GAB20, JP04, LMH15, SNB07, TVLF20, YLX15, vTSS13].
Reduced-order [MAB15].

DNZ17a, DLL18, DHH05, DKD16, DDF17, FYK10, GO12, GCB17, HFF18, HSW17, HESL11, JBPS11, KNS09, KCOD00, KRF18, KAMJ05, LKC11, LXC15, LBM17b, MMMK14, MMH17, MBP16, MP04, MSS17, NSX18, NOP18, RSM10a, RTK15, RJ07, SKS02].

Real-time [TZT18, TPT16, TLP06, TS12, VBG13, WAO09, WJBK15, WSJP17, WMB14, XUC14, ZBYX19, dASTH10].
reduced-precision [TVLF20]. reducer [CLD+13]. reducer-tuner [CLD+13].

Reducing [And83, FBH+10, ABA02, RAWV08, TBTS08]. Reduction [XLCB15, FCGH08, KJ09, LHdG+14, MCc99, TLP06].

Redundancy [RV89]. Reeb [PSBM07, She13]. Reenactment [LXZ+19, TZZ+18, TZN+15, TZZ+18].

reference [LWC+13]. Refined [Pet01]. Refining [SHK+14]. Reflectance [AAC16, CDP+14, CT82, CHB+12, DVGNK99, TG17b, BDM09, DTPG12, DCP+14b, DWD+08, DHI+13, FBSI07, FRSL08, GHP+08, GZL14, GSH+12, MPBM03, MAG+09, MHP+19, NZV+11, NLW+16, NJR15, PTMD07, TG17a, TFG+13, VLD07, WZT+08b, WRG+09, WYL+20, WGT+05, WMP+06, WPMR09, XDP016, XNY+16, YSN+18, YTJR15, YJR17, ZJ18].

Reflecting [RT90, BIW16]. reflection [HP17, IM12, RH04, ROTS09, ZNT18].

reflectional [SHZ+20, XZT+09]. Reflections [SKY+12, OF12, SMM14, SKG+12].

Reflective [TB87, PSCG+06]. reflectometry [GTHD03, GCP+10, RWS+11, RRFG17].

reflectors [SDIN18]. reflex [POB09].

refocusing [MNBN07, VRA+07].

refraction [LWL+20, Wym05].

refraction-tracing [LWL+20]. Refractive [ABW14, TB87, IZT+07, PMOR10, PHN+12, PCS+20, SZS+08, WZBH09, YTBK11].

refurnishing [ZCC16]. Region [SB95, KEE13, LSC003, TDM11, WW13, YKC+16]. region-based [TDM11].

Regional [STZ+16, Kim10, LSS+17]. Regions [LMLR83, LLY+20, GAB20, SF07]. registration [AMC008, CZ11, HGC0+12, HYG+13, MDK+16, YNW16].

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

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

regularities [THW+14]. regularity [PMW+08]. regularization [XCS+14].

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

Reinforced [FZZ+20]. Reinforcement [GUPZ20, HWZ+20, CYT+18, HXC+20, LP01, LH18, LSCC20, MTP+18, PBvdP15, PBvdP16, PBYV17, PKM+18, WLY20, XDF+19]. Reintegration [DNZ+17b]. Rejection [RRLLG+20].

Relating [THW+14]. relation [FCW+17, GMW16, LWL+19].

relation-augmented [GMW16]. Relational [Mac86, DNB+05]. Relations [KK91, vO96, LWC+11, ZRB14].


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

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

relightable [MPH+20]. Relighting [DRC+15, KE18, MPDW03, WS17a, ED04, GCD+20, HPB06, NRH04, N004, PTMD07, PVL+05, PGZ+19, RDL+15, SZC+07, SZS+08, SBT+19, SXZ+20, WTL05, WTL06b, WYL+20, WGT+05, WSL17b, XSHR18, ZCC16].

Relying [CH14].

remapping [GO17]. Remarks [Las90].

remeshing [AMD02, ACSD+03, ESC16, KS04b, NSO12, PH03, WRK+10]. remote [KTL+04].

Removal [SO02, GOTG05, McK87]. Remove [GTB15]. Removing

[ARNL05, FSH+06, GRB09, 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, KHIFH11, KAW20, LXZ+19, LSCS14, LC96, Mal93, MCY14, Pha18, Rap91, SM17a, Ste20, Sun06, TG17b, Tsa15, TB87, VADWG15, WHHY20, YHJ+14, YMRD15, YHW+18, YPG01, ALLD17, ATM+17, BWG03, BBPP0, BLD20, BAGL19, BGAM12, BKKL15, Bel18, BOD+13, BFK+16, BST09, BF08, CBCG02, CXGS02, CLS+17, D11, dGPR02, DMB+14, DAD+18, Did18, DYN03, DIO+12, DHH05, DWD+08, DPP03, DJ18b, ETH+09, EC96, EMF02, FFB+09, GLD+19, GN06, GZB+13, GM05, GHH03, GTDS10, GBAM11, GTR+06, GCH+19, GS04, HR05, HV04, HKWB09, HRDB1, HRP+18, HMC11, HSW+17, HSL11, HHH+02, HWH+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, KCYW13, KHLN17]. rendering [LHK+20, LS02, LSE09, LAC+11, LH26, LSSS18, LB05, LB06, LH04, LKYU12, LCO+20b, MBP05+18, MYRD14, MPH+20, MPH+15, MGYM15, MMG16, MPC+16, NH08, NLM12, NNDJ12, OLO3, OKH+17, ODR09, OEE+18, PZ08, PSK+16, PVG19, PMHD19, RH02, RFT+04, RGB16, RMD04, RZL+10, REG+09, RKZ12, SBdJ13, SM17b, SD12, SLL+17, SSY+04, SKG+12, SKS02, SFWG04, SRNN05, SM06, SR09, TAV+10, TZN19, TG17a, TWL+05, TS12, TGD04, TAKW+19, VRC+13, VT04, WWD+05, WZT+08a, WRG+09, WHY+13, WYM+16, WHY20, WS99, WJH17, WYF+10, WZYR19, XM+11, XCM+14, YTJ15, YHMR16, YJSR17, YIC+10, ZZXZ09, ZHRB13, ZWDR16, ZLB16b, ZHZH20, ZRL+08, ZHR+09].
Replacement [RKS+14, DSJ+11, JMD+17, TSL+16, ZYQ+14]. replacing [BKL+08]. repositories [YGH+17]. represent [PMHD19]. Representation [BN90, DK09, GLL+16, SLM+17a, ABA02, ABJN85, BAS14, BAERD08, Boi84, CBCG02, DF88, FKY+10, GLRL11, HNB+06, HZW+13, KV05, KHD14, KCYW13, LRR04, LBAD+06, LK+16, LST+08, MASS15, MW18, OBW+08, OBSC+12, PKG06, PBM+06, RS98, RAKRF08, SPSH18, SLM+17b, STPP09, STZ14, WSL18, Wim14, ZKU+04].
Representations [DS02, PBS20, WLY+16, ZYM+20, MGP10]. represented [VA88]. Representing [BDK+16]. reproducible [LSV18].
Reproducing [HCE03, CLC+20, DTPG12, LDF14].
Reproduction [SF92, AAMS20, DWT+02, ESZ+17, HFM+10, LYL+16, PFB+20, RFS02, RP+12, SBJ+18]. reprojection [RLP+20, SaL+08, YTS+11]. reprojection-based [SaL+08].
Requirements [SF92]. reradiation [HHA+10]. Resampling [NID20, HWG+13].
Resampling-aware [NID20]. rescreening [KP18]. reshaping [JTS+10, ZFL+10].
Residential [FW16, LGZ+13, MSK10].
Residual [NSJ14]. Resilient [YLC+20, AAC+05]. Resizing [WWW+10, AS07, DZP09, KSSC08, WTS08, WFS+09, WHSL11]. Resolution [BF12, FJA+14, LSO07, LB05, AGL+17, AYL+12, AFC+10, AB20, BHPS10,
DER$^{-}$10, ESCK16, GLD$^{+}$19, GGY18, HSB$^{+}$12, HW15, HG09, KSA13, KZP$^{+}$13, LGX$^{+}$13, LFJG17, Mus13, NB11, SGM12, SDP$^{+}$18, SXD$^{+}$12, SZD$^{+}$20, SXZ$^{+}$20, TREO16, VBCG10, VSK$^{+}$17, WOR10, WAK20, WGDE$^{+}$19, XFCT18, YHJ$^{+}$14, ZSCS04, ZHRB13, ZSTB10.

Resolution-matched [LSO07]. resolved [AIH$^{+}$08]. Resolving [VMT06, ZLB16a].

reversion [UPSW16, WMB19]. Response [VJ19, JP02, PNH$^{+}$14, TDM$^{+}$14, ZMCF05].

Responsive [MP07, CK02, YL08].

restitution [WSJP17]. restoration [ALY08, BPK05]. Restoring [ZBG15a]. restricted [CM11, LLX$^{+}$12]. Resultant [SG17].

Resultants [CGM91]. retargeting [AWL$^{+}$19, ALL$^{+}$20, ATDP11, HRE$^{+}$08, HXK$^{+}$19, KHLG09, LCOZ$^{+}$11, PMPHB17, RSA08, RSA09, RGSS10, SSTP15, SSZ$^{+}$11, TK05, WSL10, ZAC$^{+}$17, BZL$^{+}$17].

Retiling [AFS03]. retiming [LCD$^{+}$20b]. retina [JBM$^{+}$17]. Retinal [JBM$^{+}$17].

Retrival [SK16, SSB$^{+}$17a, SSB$^{+}$17b, BBGO11, CTS$^{+}$20, ERB$^{+}$12, MRC05, XCF$^{+}$13]. retrieve [BBH16]. Returning [BSM88].

Reusable [JZvdP$^{+}$08, MTA$^{+}$20]. reuse [HZ11]. reusing [BPE17, HA18]. reveal [CHM$^{+}$12]. Revealing [DMIF15, WDW$^{+}$15, WRS$^{+}$12].

REVEL [BP12]. reverse [EM17, MAF$^{+}$09, RTS$^{+}$07]. Reversible [BJNJ18, ESBC19, LMAH$^{+}$18, YYW$^{+}$12a].

reviewers [TOP03]. revision [CWC11]. revisited [GS04, VW97]. Revolution [MHS$^{+}$19a, HSTT10]. Reyes [PO08, ZHR$^{+}$09]. Reyes-style [PO08].

RFig [RBvB$^{+}$04]. RGB [BP01, Bou18, CKH18, CLW$^{+}$14, GXY$^{+}$17a, MSS$^{+}$17, SCB87, SHZ$^{+}$20, Sun06, TLG17a, TLG17b, WSC16, WMB$^{+}$20, YLC$^{+}$20, ZWW$^{+}$18, ZSSJL20, ZNI$^{+}$14].

RGB-based [Sun06]. RGB-D [CKH18, CLW$^{+}$14, GXY$^{+}$17a, SHZ$^{+}$20, YLC$^{+}$20, ZWW$^{+}$18, ZNI$^{+}$14]. RGB-space [TLG17b, TLG17a, ZSSJL20]. RGB2Hands [WMB$^{+}$20]. RGBA [UTB$^{+}$19]. RGBD [GXY$^{+}$17b, LCC$^{+}$18, SXZ$^{+}$12]. RGBXY [TEG18]. RGBXY-space [TEG18].

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

Rhythmic [hKPS03]. Rhythmic-motion [hKPS03]. rich [LYvdP$^{+}$10]. Rich360 [LKK$^{+}$16].

richly [BUSB13]. Richness [QPWH08]. Richness-preserving [QPWH08]. Ridge [OBS04]. Ridge-valley [OBS04]. ridges [JDA07]. Riemannian [ZWL$^{+}$18]. Rig [GMP$^{+}$16, HMT$^{+}$12, LKZ$^{+}$20, SSR20, ZBBB18].

Rig-space [HMT$^{+}$12]. Rigel [HDD$^{+}$16]. rigging [BP07, BJD$^{+}$12, LD14, LWP10, XUC$^{+}$14, XZK$^{+}$20]. Right [McI92].

Rigid [BR14, CMT04, GPB$^{+}$19, ZJ10, AIA$^{+}$12, BR07, CAJ09, CZJ12, CBK20, DDB$^{+}$17, GBF03, GSL05, HSL11, HFG$^{+}$18, IMH05, JTSB16, KEP05, LJ14, LD12, MTP$^{+}$18, NAI$^{+}$18, PSE03, RMSG$^{+}$08, TB20, TK14, Ten20, TBV12, TJ08, VSK$^{+}$17, WSJP17, WP12, ZBG15b, ZNI$^{+}$14].

Rigid-body [ZJ10, CZJ12, LJ14, PSE03, WSJP17]. rigid-fluid [AIA$^{+}$12, TB20]. rigid-rigid [TB20]. rigidity [CCW18]. RigMesh [BJD$^{+}$12].

RigNet [XZK$^{+}$20]. Rigs [GZC$^{+}$16]. Ring [AEO15].

Ring-Ordering [AEO15]. RingIt [AEO15]. rings [PKC$^{+}$19, WPS14]. RLE [HN$^{+}$06]. roadmaps [CLS03].

RoboGrammar [ZXLK$^{+}$20]. Robot [YLC$^{+}$20, DXZ$^{+}$19, ZXLK$^{+}$20].

Robot-Mounted [YLC$^{+}$20]. robotic [GP$^{+}$18, HXK$^{+}$19, HZH$^{+}$16, MTN$^{+}$15, ZPBC19].

Robust [BFA02, CBvdP09, CPS13, DD02a, FH93, FCS05, GJTP17, GPW$^{+}$17, HJJ11a, HVTG08, HYNP20, HWZ$^{+}$14, Hol18, HMLL14, JKSH13, Ju04, Kal14, KJDL09, KBT17, LDK$^{+}$18, LID14, LAGP09, LPL$^{+}$18, MdLH10, MPZ14, PCL$^{+}$12, PSBM07, RS41b, SBRBO20, SKV$^{+}$12, SOHK16].


Saccade [ATM+17]. saccadic [SPW+18]. Saddle [YW18]. 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, YSHWH16, APKG07, AA06, BGAM12, HRV+18, MWR12, PKKG03]. sampler [ANHD17]. Samples [LNLB16, BJ17, XSHR18]. Sampling [Coo86, HSS98, HWZ+20, KWB+15, LLX+01, LYvdP+10, MEA+18, MMR+19, Ost07, Pav90, QCHC17b, Sah18, WP90, ARBJ03, ARNL05, APC+16, AW20, ALLD17, BL20, BW09, BWWM10, CGW+13, CJAMJ05, CTM13, EDP+11, Fat11, FBL07, GM09, GKH+13, HJW+08, HPB07, HSD13, HWJ+15, HWH+16, JZW+15, KTBV16, KVG+19, LRR04, LDF14, LWSF10, LWC12, LADL18, MRK+14, MSOC+19, NJR15, ODJ04, OP11, OAG10, QCHC17a, RKLC+11, RAMN12, RAW08, RHJD18, RPKZ11, SJ17, SK13, SZG+13, VCK18, WPC+14, Wei08, Wei10, WW11, WWZ+06, XNY+16, YW13, YL12, YIC+10, ZHWW12, ZD20, EPM+14]. sampling-and-recovery [HWJ+15]. Sampling-based [LYvdP+10]. sand [KGP+16, TGK+17, ZB05]. sans [DBWG15]. Sassafras [H86]. sauces [NSS+19]. scaffoldings [DHL14]. scaffolds [SKSK09]. Scalable [CB13, CZY17b, CSK18, GGN18, HCB16, LPLL19, PTC+10, RPPSH17a, RPPSH17b, WHSL11, AFTCO07, BDT+08, CZY17a, Dav20, DML17, FZBR16, LCD+20a, LMAS16, MP04, MGT+03, REG+09, WFA+05, WQS+20, WGH20, YKC+16]. scalar [PSF09]. Scale [LZXC19, LWC18, ZSCM17a, Ang17, ASL+17, BP+06, BL15, BBA+07, CQD+18, DFZ+17, EDF+16, FFLS08, FMB+17, FGBZ18, FY+16, FAW19, FG14, GB13, GLDZ15, GNS+12, HP17, HNH19, IDN12, JP03, KGG+20, KFW17, KSKL14, KPKZ17, KABL15, LDPT13, LRL17, LSA+16, MHS+16, MPH+15, MGP10, NIS13, PFRS18, PCY+18, RNGF16, RBB6, SLW11, SLSS03, SG11, SJLP11, SJMP10, VSLD13, WTLS08, WSM11, WFDH18, WDR11, WDR13, XZJ+12, YIO+15, YSQS08, ZSCM17a]. scale-and-stretch [WTL08]. Scale-aware [LYC18]. scales [FG11, XZL+10]. scaling [DZP20]. Scan [RWW90, ACP02, LKZ+20, ZSW+10].

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DB88, HFW+19, HKC+18, IRHS20, JS11, KFR04, MOR+18, OFCD02, PKKG03, SK16, Sah18, SPSh18, SSB+17a, VFK+14, VR94, VTSSH15, WLX+18, WeBS19, XWC+16, YYPM11, YZX+18, AKZ+17, ALX+14, AZX+15, ASK+05, AFTC07, BAS14, BBV+14, Boi84, BWKS11, BWKS14, BJB+12, CB17, CWLZ13, CI84, CWKBC13, CZZX14, CW17, CBV+18, CCM16, CSAD04, CSD+09, DLC+15, DFRS03, DYT05, EB3+12, FH07, FAR07, FvKBCO16, GC006, GSPMO09, GYQ+18, GJWW15, HK12, HLZC014, HK11, HGCO+12, HZG+12, HSG13, HWG14, HWK15, HLW+19, HOM15, IMH05, JBX+20, KCKK12, KMP07, KCGF14, KvKSHC015, KST08, LVS+16, LXC+17, LBB+17b, LMAH+18, LXR+18, LCORL07, LFZ18, LFJG17, LMB14, LKS15, LKWS16, MDLW15, MPM11, MDB+19, MHTG05, MAB+15, MHR+16, PRFS18, PRMRM15, RSHH18b, RJ07, RCOL09, RBD06, ROA+13, SS14, SSB+17b, SHM+14]. shape [SSP07, SKAG15, SJA+20, TBW+12, TGB13, TMJ14, TFG+13, VLD07, VBBF16, VKJ19, VP3+09b, WAO+09, WGW+13, WJJK15, WLG+17, WZF+18, WCPM18, WG10, Win14, WVL+19, XPDT16, XCOJ+09, XZCOC12, XFAT12, YKC+16, YGH+17, YHCOZ18, YIK12, YK14, YCH15, ZAJ+15, ZYL+17, ZXC+18, vKXZ+13, vFTS06, Ano10]. shape-adaptive [VK19]. shape-complexity [CI84]. Shape-Matching [BBB+93]. shape-proxy [MSM11]. Shape2Pose [KCGF14]. Shape2Vec [TD16]. ShapeAssembly [JBJ+20]. Shaped [EP091, HA92, MNS+19]. ShapePalettes [WTBS07b]. Shapes [CH14, EM94, HLV+17a, HJS+14, LYF+20, MLS+18, ACP03, GSV+17, HR05, HLV+17b, HSS+13, HZH+16, HK06, KLM+13, KSH+16, LMS13, LLV+12, LSQ+15, LYC18, LKG+03b, LSCS14, MLYZ19, MSHS06, MZL+09, NB11, OLGMM11, OBCS+12, PSG+06, PWSL13, SHZ+20, SvKK+11, TD16, THW+14, UIM12, WAVK+12, WSLT18, WSH+18, XZT+09, YSC+16, ZAC+17]. sharing [CLC96, GMB17, MPI+18]. shared [BAM13, KKB+11, WCPM18]. sharing [SGM12, SSTR15, SMH16]. sharp [ASGC01, FCOS05]. Shear [YSB+15, NSS+19]. Shear-Dependent [YSB+15]. Sheared [YMRD15, ETH+09, EHR11]. SHED [KvKSHC015]. shedding [WP10]. sheet [SMCT18]. sheets [BUAG12, DBWG15, NPO13, PTG12, PND10]. shelf [MHM+17]. Shell [CTW+04, GUPZ20, PBFR05, CStV18, CQD+18, JSZP20, LCBD+18, NAI+18]. shells [BMWG07, CAJ09, CLF+18, GLF05, GHF+18, KMB+09, MPBC16, MPI+18, MKB+10, RK13, RMSG08, PKL19]. Shield [LRAT08]. shiftable [SMH+11]. Shining [KKHR11]. shock [Erl07]. shooting [HIC+19]. shot [AWL15, BGK16, BBGK17, BBV+10a, XN+16]. Shots [ASN+20, JRT+15, LWCT14]. shoulder [HOKP16]. Shutter [JGN16, RAT06]. side [XFZ+09]. Sifting [BBPA15]. SIGGRAPH [Spe03]. sight [CWK+20, HOZ+19, IH20, LWO19]. sign [TTWM14]. signal [RH04, RTD+10, WYY+14]. signal-processing [RH04]. signals [CH05, PMHD19]. signatures [ACOH+18]. signed [ZDI+15]. silhouette [RSH+05a, SCH03]. Silhouettes [JHR+15, KDM03, RD10, VBMP08, WL16]. silicone [AMG+18, ZKBT17]. Silly [FLGJ19]. silviculture [MHS+19]. SIMBICON [YLvD07]. similar [BDG15, Ros20]. Similarity [CZ17, LLN+14, BB15, BD02b, DAB15, GCO06, GAGH14, GvdBL+12, KvKSHC015, LMS+19, LKS15, SMGE11, ZRB14]. Simit
[KKRK+16]. Simple
[BR94, Dav20, FM84, LR90, LR91, LKF12, MD04, SO92, TPP+11, TM84, CPSS10, Gal89, GKS02, THR+13, LP02, SSJ+11, TSG+14, VMTFD97, YLvdP07, YZ04].
simplest [PR97b]. simplex [FL16].
simplexes [DeR88]. Simplicial
[JSPI7, PBCF93, CSZ16, ETN+07, FLGJ14, GD02, MZD05, MB12, ZQC+14, dGAOD13].
Simplicity [EM90, FLB16, PSBM07].
simplification [ABA02, CHPR07, DSSC08, DDD03, GPW+17, GZ05, LT00, LWH15, LXFH15, OL03, SCF+04, SAMWL11, WYY+14, YLH18, ZG02, ZCLJ20]. simplify [SSIS16]. Simplicity [WM03]. simulated
[CKJ+11, DH96, HRL15, HMLL14, MPP11, SH08, WGH20, YCBvdP08].
Simulating
[BWRB05, CWOS13, JGC+15, KJMO8, LDHM16, LGF04, MM06, SNC10, SKL07, TOK14, WM14, ZBG15b, FLGJ19, FM+17, FBCZ18, GTJS17, HMP+20, SSJ+20, SSBD03, YLNP12]. Simulation
[AGP+20, BSL+16, BK16, CZY17b, DKHS14, EM90, GDBA+17a, HWZ+14, HH16, KLL+07, KKKK+16, LYWG13, LBK17a, PMS12, RLY+14, SLS14, SDK18, SS00, XIM18, AR15, BGO06, BGFAO17, BHW16, BML+14, BB12, BB10b, BDW13, CM+16, CXX+05, CKIY15, CSvRV18, CCL+20, CAR+09, CM11, CZY17a, CLMM14, CQD+18, CBK20, CGG+17, DBD16, DLF12, DLL+18, FLFP13, GDAB+17b, GKD12, GHB+20, GNS+12, GHF+07, GTH14, GKS02, GHZ18, HMS05, HPJ12, HTC+14, HW15, HW16, HXZW20, HG09, HHM19, HIK+20, IGLF06, JP02, JP03, JWJ+14, KHD14, KSN17, Kau18, KGBS11, KTIJG08, KJ09, KySK10, KP11b, KD13b, KGH+14, KP03, LST09, LPL19, LLJ+11, LDN+18, LCD+20a, LTT+20, LBOK13, LMH+15, LBK17b, LCT19, LLK+20, MKY+10, MSW+09, MFB04, MYH+10, MC11, NGC09, NS012, NZWC20, NB11, NO13, OP50D10, OKRC10, PBH15, PDZ+18, PTC+10, QSH+15, RSM+10a].
simulation [RNGF03, RK13, SSBD+15, SML+12, SHD+18, SLF08, SABS14, SLW11, SMD+15, SOHK16, SG11, SSC+13, SKP08, SJJ11, TGK+17, TJK15, TWL+18, TBV12, TJ08, UHT17, UPSW16, VMTFD97, VKS+14, VK16, W16, WMB19, WPLS18, WPK+10, WLP16, WMW15, WZL+20, XCW+20, YIL+16, YLX+15, YCR+15, ZNT18, ZB13, ZSTB10, dSAP08].
simulation-ready [ZB13]. Simulations
[MSQ+18, Thu17a, ATW13, ATW15, BP08, BSG12, ISF07, Kina10, LJS+15, LADO8, MBT+15, PSE03, RPC+10, Thu17b, TMPS03, YCL+17, YSC+18]. simulator [AB20]. Simultaneous
[BJF18, LN+16, HTVG08, ISSI16, PTH+17, SKV+12, TFK+03, VSK+17].
Single
[CWW+12, DAD+18, Fat08, GHCG17, GXY+17a, HMLL15, HWHK15, LOW18, NZV+11, SYSP14, SBT+19, TFX+08, WZHB09, WYL+20, WS17a, YPA+18, BGK16, BKGK17, BS13, BCRK+10, BBB+10a, CLS+15, CSW+16, CYS+13, DMIF15, DTPG11, DSC+20, EKD+17, FSH+06, GSY+17, GSZ+18, GXY+17b, GSLM+08, HSW+17, HLY+17c, JTC09, KSE14, KYC+17, LAGP09, LDPT17, LXR+18, LKZ+20, LK20, MSS+17, MDB+19, PSB+08, SJA08, STX15, SHZ+20, SPDF13, SRN05, SZLG10, WGJ+18, WTL05, WSX16, WSZ+18, WZC12, WST08, WS17b]. single-camera [WGG18]. Single-image [DAD+18]. single-photo [GZG+18]. Single-photon [LOW18]. single-shot
[BGK16, BGK17, BB+10a]. Single-View
[YPA+18, CWW+12, HMLL15, HWHK15, DSC+20, LAGP09, SHZ+20]. singular
[KABL14]. singularities [SSC18].
Singularity [LZC+18, LLX+12]. Singularity-constrained [LZC+18].
singularity-restricted [LLX+12]. sites [KGFF14]. six [KKB+11]. six-user

Skeleton [ALL+20, ATC+08, ULP+15, BAS14, CGC+02, HWCO+13, KP11b, LYWG13, TZCO09]. Skeleton-aware [ALL+20]. skeleton-driven [CGC+02, KP11b, LYWG13]. skeleton-mesh [BAS14]. Sketch [ATW+17, CNX+08, ERB+12, ST14, ST16, TPSHSH13, ZIH+11, BDM+20, CBL+16, DS15, EHA12, FPBCO20, LPL+18, LWH15, NSACO05, PHS+18, SSIS16, SSII18b, XCF+13, YVG20, ZLW+18]. Sketch-based [ATW+17, CNX+08, ERB+12, TPSHSH13, ZIH+11, CBL+16, DS15, LPL+18, NSACO05, PHS+18, XCF+13].

Sketch2CAD [LPBM20]. Sketch2Photo [CCT+09]. Sketch2Scene [XCF+13]. Sketches [IBB15, GHL+20, HFL14, KH06, LZ04, LRS18, SSBS12, SLZ+13, TD16, XCS+14, YCYW20]. SketchiMo [CB+16].

Sketching [BSM88, CKX+08, JHR+15, KGO5, SSII18a, BSM+13, BDM+20, GRGC15, HGY17, JZH07, LPL+17, LPBM20, NGDA+16, PKM+11, PSE03, SLWF14, TBvdP04, WTBS07b].

SketchPatch [FPBCO20]. sketchy [SBH16]. Skills [HL14, CBvdP08, CKJ+11, LH18, PBvdP15, PBvdP16, PBYV17, PALvdP18, PKM+18, YCBvdP08].

Skinning [CBKM15, NFA+15, BBN+12, DWd+08, LSNP13, LST+19, PH06, PH08, SOMP3, TOS+03, VBGS+13, WWY+13, WMP+06].

Skin-frame [WWY+13]. skinned [BBJP12, FKY+10, LMR+15]. Skinning [BL18, JT05, LJG14, JKB+12, JZvdP+08, KCZ008, LD12, LD13, LH16, LL19, MZS+11, MK16, SZT+08, VBG+13, VGB+14].


Slope-space [LZJH20]. Small [DFM88, VPR19]. Smart [RO94, XFT12, ZCC+12]. SmartBoxes [NSZ+10]. smartphone [VKB+18].

SMASH [MTM16]. Smith [HHdD16].

Smoke [PM17b, RNF03, THU17a, WPS14, CKP+16, CT17, FL04, FN20, GSLF05, LGF04, PM17a, SRF05, SABS14, SY05, THU17b, TPM03, WP10, YCZ11, ZRL+08].

Smooth [DFZ+17, DFLY19, LD12, LM91, PR97a, Pet01, RHW94, RLU95, BHK14, HTWB11, KLS03, KP03, MEM+19, Mals9, OBW+08, WP06, WWT+06, ZW+18].

Smoothed [OBW+08]. Smoothed [ERT14, KS10, TDM15, WAK20].

Smoothing [LZJH+20, Pet95, Sds02, SGWJ18, BHY15, FYW+18, JDD03, KEE13, PR97b, XLXJ11].

Smoothness [SJVW20, IWL+09, PKD+19, YZ04].


soap [DBW15, HIK+20, ISN+20]. soccer [HHI+19]. social [APS+14]. Soft [AASP17b, GPHS19, GTB15, LAA+05, PZ17, TTL12, WAC07, AASP17a, AOP+18, AAM03, BBO+09, FTP16, GWP+19, JL11a, KPMP+17, LYWG13, MZL+17, MWR12, MA07, PRWH+18, RWS+06, WWH+15].

Softshell [SK+12]. Software [FBCv86, FBCv86b, Fol86c, Mai92, WW82, KSS18].
SOHO [LF08]. solar [KKN+14]. Soli [LGK+16]. Solid [BN09, CCK92, KFC0+07, MC11, NY94, Roc89, ANZS18, ABA02, BBB07, CH02, CS09, CWSO13, CDM+02, DF88, HLW+12, JDR04, KRD+12, LD11, LLJ+11, LDHM16, NGL10, RS08, SS10a, TOH08, TLK16, WZYG10, ZGZJ16].
solid-liquid [BBB07, HLW+12, TLK16].
solid-liquid [CWSO13]. Solids [KS05, AD03, FLGJ19, FQL+20, FGBP11, Lec05, LBB18, MKB+10, PKA+05, RMS0+08, YJL+16, ZST00]. Solution [SAZ06, BRB+19, YWH13]. Solutions [GM84, OF01, DJ17, DJ18a, HDA17, RMW02, SHW19]. Solver [PM17b, XIM18, ATW15, BDCD11, BBG12, DDBB11, GBH+20, JCW90a, LB17a, LDN+18, LMS016, NNC+20, PM17a, SBZ09, TB20, XSH+20, ZNT18, dGHW15].
Solvers [GPB+19, BF03, ZBG15a].
Solving [FH97, PKHK15, Hol18, JASR99].
Some [CI97, GM84]. Sony [KCSC18]. sort [CTM13]. sort-based [CTM13]. Sound [LFZ15, SM17a, ACS02, CRS+16, CA09, CJ11, CZJ12, CRL+16, CLG+16, CQD+18, DRW+14, DYN03, DLL+15, JBP06, LAJ14, LJ14, LCT19, MRA+13, MYH+10, RSM+10a, RS14a, RS18, RYL13, SMM14, SM17b, SJ17, WM17, WOD09, Y17, YMR+13, ZCT16, ZRMS18, ZJ10, ZJ11, ZHZZ20].
soundbanks [ZJ10].
Sounding [MYH+10]. sounds [AJM12, BLT+15, BDT+08]. soundscapes [ZHHZ20].
soups [SOS04]. soups [BSD18].
Source [SM17a, GTHD03, GGH03, MRA+13, SM17b]. Sources [NON85, OF01, CRG+20, CDP+14, JBP06, MLR+14, RSM+10a]. Space [BYG96, BYRN17a, EK98, GRGC15, HC86, LLKP11, LHDG+14, Pet98, SAL+08, Shin92, TLG17a, WLX+18, ZIT+18, AB89, AW20, ACP03, AP08, ATDP11, BSW02, BYRN17b, BKCO16, BCWG09, BB+14, CBD13, CL16, CGZ08, COS19, DCD15, HPJ12, HMT+12, JL11b, JTL+12, JTS17, KHD11, KSHG18, KMP07, KWB+15, LAKL11, LH06a, LSCO03, LC15, LKG+03b, LZHJ20, MVH+17, MMG06, MHC+16, NBLCO20, RHSH18, RH02, RMW02, RJN16, SNM+13, SXZ+17, SG+16, SvK+11, SMD+15, SAZ06, SZZG10, TEG18, TMDK15, WCPM18, WAKB09, Wym05, XBB16, YP01, YWW12b, ZSSJL20, TLG17b].
Space-Filling [Shn92].
Space-time [GRGC15, LLKP11, LHDG+14, SAL+08, ZIT+18].
space-warp [LKG+03b].
spaced [Gos00].
Spaces [KP92, DCP+14a, HRV97, Lip12, OKH+17, SPP04, SJA+20, TGY+09, VABW09, ZCC16, dASTH10].
Spacetime [PM17b, SLS+12, ZSCS04, HSvTP12, PM17a, SvTSH14, XWW+14].
SPAD [SZD+20].
Spark [FH11]. Sparse [ASGCO10, BFGS03, FGBP11, HS+12, HSH20, NVW+13, NSF12, WLY+16, ZCD+16, AGL+17, ALS+18, BB+12, HLS012, HDA17, HKA+18, KWB+13, KSA13, LLDD09, LD13, LMB14, Mus13, ODA015, RTK+15, SvTSH14, SABS14, SNF05, SL17, TDK+11, TKT12, TS12, XY13, XSH18, XBS+19, dAST+08].
Sparse-as-possible [ZCD+16].
Sparingly [GHWZ14, LHZ+18].
Spatial [BB16, GRS+17a, HKT10, LLWD14, BSB17, DH06, RB08a, GAB20, GRS+17b, LBJK09, LH06b, LKG+03a, LGX+13, WLW+19, Y17].
Spatio-spectral [LLWD14]. spatially [BJ0a, BATU18, DWP+10, 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 [DWP+10, DTPG12, LXR+18, MAG+09, WRG+09, XDPT16].
Spatial [ZM13, BBK+15, GBAM11, KZP+13, VBK05].
spatio-angular [KZP+13].
Spatio-temporal
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 [SDO*04]. Spec2Fab [CLD+13].
Special [BG89b, Fol86a, Fol86c, FGN84, Pha18, Ros94, Sto92, WKR99].
species [TGK+17]. Specific
[DMZ+17, ALLD17, SHP04]. Specification
[DFMS88, GM84, Hud94, Jac86, RvE93].
specifications [CLD+13, PYB+16].
specified [HFM+10, WPC+14]. Specifying
[Van82]. speckle [BAGL19, BGL20, Par17].
spectra [BDM09, SJ17, WPC+14].
Spectral [DBG+06, FHL+18, GO17, HZM+08, KBC+13, KHLN17, LHJ+14, LJO19, OAG10, WBCPS19, YM16, AHD15, AAMS89B20, BCG05, CLJL20, CJN+17, FMR20, HW12, KYS+15, LLWD14, PMHD19, RZK11, SvKK+11, SLMR14].
spectroscopy [KRD+12]. spectrum
[BWWM10, Fre16, ZHWW12]. Specular
[CA00, IM12, JM12, KYYL08, LZHJ20, SJJR18, WHY20, XH18, YHJ+14, YHMR16, YHV+18]. Specularly
[RT90]. Speculative
[AVGT12]. Speech
[YCL+20, CTFP05, CB05, EML+18, EGP02, OLSL16, TKY+17, ZX+18].
speech-driven [CTFP05]. Speed
[GHCC88, KRF+18, PSBM07, TAH+04].
SPGrid [SABS14]. SPH
[AIA+12, AAT13, BGI+18, GPB+19, GHB+20, HWZ+14, JZW+15, PICT15, RLY+14, SB12, SP09, WHK17, YJL+16].
SPH-Based [HWZ+14, JZW+15]. Sphere
[HH16, TGBE16, TPT16, BO04, LF08, VRP19, TGB13]. Sphere-Meshes
[TGBE16, TPT16, TGB13]. sphere-tree
[BO04]. spheres [Hub96, SHWP09].
Spherical [AKL17, BHX+18, BF01, CCW93, KISS15, PH03, SBN15, DHB17, GCP+10, GFT+11, GGS03, HKWB09, HIK+20, KSH10, KH10, KWN+17, LKK+16, MWM08, RWS+06, SHL+17, TAV+10, TGB13, TS06, TFG+13, WR18, XSO+13].
Spin [BWBSH14, CPS11]. Spin-it
[BWBSH14]. spinnable [BWBSH14].
SpinVR [KDMW17]. spiral [ZZX+18].
spirals [ZGH+16]. splash [YCYW20].
splashing [GB13]. splattering
[GLA+19, LSR18, WHP07]. Spline
[BS88, BS90, BL18, Fol87, Joe90a, KPP17, Kla91a, LT08, RLU95, SDG+19, Sei93, SYSP14, vOV96, BA83, CG89, PU06, SCF+04, WPL06, GBK05]. Splines
[BBB+93, BF01, DB88, FB95, Joe90b, Las90, PP93, Pav83, PRA89, TB87, YUk20, vOV96, vW84, BB83, CZ17, CSL85, Coh87, FW12, FSH11a, HP04, Joe89, KA08, LT09, LGJ14, Pot91, SBNZ03, YHB05]. split [WTGT09].
splitting [TBV12, VK16, YWVW13].
Spoke [MEA+18]. Spoke-Darts [MEA+18].
SPOT [BC19]. spots [DFW20]. spray
[IGP+17, NO13]. spray-on [IGP+17].
Spreadsheet [Hud94]. spring
[LBOK13, SLF08]. square [CLC+20].
squared [LZ+20, WPL06]. Squares
[BIW93, DMZ+17, LHZ+20, FCOS05, HFG+18, LPRM02, SMW06, WJL+20]. St.
[BJ05]. Stability
[YYKA17a, LLK+15, SMZ+14, YYKA17b]. stability-based [SMZ+14]. Stabilization
[CK20, TWLT19, BB14, FL11, GF12, Kop16, LGJA09, LGW+11, LYT13]. Stabilized
[CCWL18, WMB19]. Stabilizing [DLK18].
Stable [CK02, DJBDT10, ETK+07, Hob91, SDK18, SSK05a, TNFG15, dASHT10, FTP16, MLB16]. Stackabilization
[LZ+12]. stacking [GBF03]. stacks
[CSK18]. stage [ALY08, SXZ+20, ZLW+18].
Staggered [HLW+12, KJS08, XCW+20]. staggered-tilted [XCW+20]. Stair
[KTBV16]. stand [PWLSH13]. Standard
[UTB+19, RWB07]. Star
[MSS+19, SPO10, KS04a]. Star-contours
Star-shaped [MSS+19]. state [OKH+17]. Static [FV96, SPV+16, FKY+10, HLV+17c].

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

Statistical [KV05, MA06, Bel18, CH07, GGY18, GMP].

Stationary [MLY14, OEE16, PAK].

Stop-motion [Wes88].

Stormscapes [HMP+20], storytelling [GCSS06]. straight [MSW+09]. strain [PBH15, WOR10]. strands [SJLP11].

strategies [SK13]. stratified [ZD20].

streaks [GN06]. stream [ATW15, BAM14, BFH+04, HZG09, HHN+02].

stream-processing [HHN+02]. streamable [CCS+15].

Streaming [ILSS06, KH08, KDMW17, KLHG09, MVD+18, SBZ09, TDL+18].

streams [AMN03].

Street [KCSC10, CEW+08, FXZ+09]. street-side [XFZ+09].

strength [FZZ+20, LSS+14, SVB+12, ZLB16a].

Stress [MHS+19a, SVB+12, MIB15, PRZ17, PNH+14].

stressful [MIW+02]. stretch [GWP+19, WTS+08]. stretch-sensing [GWP+19].

Stretchable [GPB+09].

strategies [XSZB15].

Stretching [KYSK09].

Strict [LZ14].

String [KMM17b, KMM17c].

strip [CK14b, MS04].

strip-based [MS04].

Strip [KCP15].

strips [KCI4b, TISM16].

stroke [LYFD12, XXK+06]. stroke-based [XXK+06].

StrokeAggregator [LRS18].

strokes [HTER04, KMM17b].

Strong [GPB+19, TB20]. strongly [FQL+20].

Structural

[LF02, LLN+14, WSW+12, ALX+14, BSFG09, FSH11b, IOOI05, LSD+16, LLW17, PNH+08, SVB+12, SKAG15, ZPZ13].

structurally [DLL+15, WOD09, ZCT16].

structurally-sound [WOD09, ZCT16].

Structure

[CAO09, FLMW14, FvKBC16, HGM14, KE13, LCOZ+11, LLR13, MDLW15, PQW+08, SFS+12, XZW+10, XYX+12, ZXT+15, ZMJ+12, CMZP14, DHO6].

GPW+17, HYG+13, HKAK14, JAM+10, JBX+20, LDHM16, LGF04, NGRH04, RGF+20, SABS14, SYJS05, UMK17, WSVT13, WVL+19, ZL+13, YCZ11].

Structure-aware [CAO09, LLR13, PQW+08, ZMJ+12, WSW+19].

Structure-based [XZW+10].

structure-driven [HYG+13].

structure-from-motion [CMZP14].

Structure-oriented [FvKBC16].

Structure-preserving [KE13, LCOZ+11].

Structured
AAL16, AVB08, AJM12, AFO03, BSHK04, BDT+08, BNB13, CDSD13, CWL12, CT17, CLG+16, CWTW17, DSB+12, DLT+15, DLKS18, EVC+15, FP03, FH04a, FJS+17, FPBCO20, FRS+12, FSL+15, FRS19, FAW19, FCW+17, GGY18, GPD+18, GMP+06, HET+14, HRRG08, HWRH13, HAB20, HSK16, JYL09, JBX+20, JHS12, KWR16, KCKK12, KGS+18, hKPS03, KLF12, KFCO+07, KP06, KSE+03, KEBK05, LES09, LH05, LH06a, LHL10, LSR18, LDF14, LTK09, LWS02, LSA+16, MJC+08, MWGZ09, MPF+18, MM08, MSOC+19, MC12, MYH+10, NSCL08, ÖG12, PHL+09, PCSS06, PZ17, PB02, RYL13, RCOL01, SHM+18, SCO17a, TZN19, TOS+03, WZT+08b, WYZG09, WHT010, WSCR18, WQLJ18, WHZ+08, WHRL11, WLHR12, WY04, XKF+18, XUC+14.

**Synthesis** [XBS+19, YYTC12, ZG04, ZJMB12, ZHW+06, ZJL14, ZZZ+18, ZT+18, ZWW18]. **Synthesizing** [LK20, NSB13, RHDG10, SHP04, SSKS17, YKH04, YYW+12a, CYT+18, NRH17]. **Synthetic** [LCV+04, MHS+19b, PTSG09, PC82, WJG+18, ZMN+19, BDI+02, CNR08, KHFH11, OPD10]. **synthetic-vision** [OPD10]. **System** [AJS20, CM83, EHSN20, GF82, LZX19, SG86, Bly06, BTFN+08, CSTP16A, DHOO05, FNvD82, GPCP13, HGY17, HFTF15, HFF16, HGG+11, HWR14, HMT+15, JLF+09, KLLH09, LZ04, MGAK03, MP04, MIW16, MI07, NJS+11, OEE+18, RKK+07, SPJT10, SSY+04, TL04, KTSS11, WZK+17, WS99, YCL+17, ZPKG02]. **Systems** [FH07, GJB+20, LN84, PAK+19, Ree83, WW82, ZII+11, ACX09, FLP14, GHZ+20, HFF18, HDA17, KSJP08, LTT+20, LBOK13, SSB+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]. **tabletop** [Ano03]. **Tactile** [LDS+16, TGZ18, BP12, SPGI13, TWZ20]. **tags** [MWH+09, RBV+04]. **Tailored** [POAR12]. **taking** [CLC96]. **talk** [SQRH+16]. **talking** [FTZ+19, ZHS+20]. **talking-head** [FTZ+19, ZHS+20]. **tall** [CM11]. **Tangent** [BS88, CÖS19, PP03, FSHD07, VB06]. **Tangent-space** [CÖS19]. **tangents** [HLHZ08]. **Tangible** [JPG+14, Ano03, GMP+16]. **tangle** [SP16]. **Tanks** [KPZK17]. **TAP** [HXC+20]. **TAP-Net** [HXC+20]. **tapestries** [BGSF10]. **Target** [FL04, GRS+17a, GRS+17b]. **Target-driven** [FL04]. **Task** [AvdP16, Cas91, CBvdP09, SKB16]. **Task-Analytic** [Cas91]. **Task-based** [AvdP16, CBvdP09, SKB14]. **Task**: [AvdP16, CBvdP09, SKB14]. **tasks** [BSL12, GSCO12, MTA+20, YKH04]. **Tau** [Las90]. **Tau-Splines** [Las90]. **Taylor** [ZRLK07]. **tearing** [PNdJO14]. **Technique** [EM90, Ree83, Res87, JM12, JB02, KSHG18]. **Techniques** [And83, HL14, Jan91, Käj83, Ols88, RO85, RO87, SWZ96, UBW99, CB04, IGLF06, JDR04, JASR99]. **technology** [BP12]. **teeth** [VPB+18, WBG+16, YSW+20]. **tele** [HYG+13]. **tele-registration** [HYG+13]. **teleconferencing** [JLF+09]. **Telepointer** [RO94]. **Telepointers** [RO94]. **telepresence** [GNW+03]. **telescoping** [YCC17]. **templates** [JZvPD08, KLM+13, PYW14, ZHG+16]. **temples** [KPZK17]. **tempoGAN** [XFC18]. **Temporal** [AECO15, LAC+11, MKD+16, OHX+14, WGP+10, BGSF10, BBK+15, BOS+15, GBAM11, LWA+12, LBJK09, VB05, WFS+09, ZRLK07, ZM13]. **Temporally** [ASC+14, HKAK16, LLV+12, XFC18].
tendinous [SSB+15]. tensegrity [PTV+17]. tensile [VMTF09]. Tension [BB83, DLG90, AAT13, CMSA20, GMB17, SZ18, TWGT10, WJL+20, ZQC+14]. tension-actuated [GMB17]. tensioned [Coh87]. Tensor [HLW+19, PRK+17, SG17, Tsa15, WLHR12, TS06, TS12, WWS+05, XZY+17]. TensorTextures [VT04]. terahertz [WW13]. Terrain [GGG+13, LYvPG12, PGP+19, PBvdP16, cWP10, BST09, CCG+17, GDG+17, LH04, PBvdP15, ZKL+20]. Terrain-adaptive [PBvdP16, cWP10]. terrain-optimized [ZKL+20]. tesselation [VdFG99]. tesselations [BLG+16, LXY+16, ZMSS18]. Testbed [WW82]. tetrahedron [TWAD09]. tetrapuzzles [CCG+04]. Text [FTZ+19, HAB16, XZY18, JMD+17, RMBB+13, SFLM04, YCL+20]. Text-based [FTZ+19, JMD+17]. Texture [CS00, DYT05, KEBK05, LLX+01, LPC+11, LHVT17a, MZD05, MHC+16, SCO17b, SS00, SWWW15, TBT08, TB17, WK95, AAL16, BKCO16, BKR17, BNTO7, BD02b, CTW+04, CLKL14, CSHD03, DivGNK99, ESZ+17, FFH04a, FCCH08, HP03, HRRG08, KBD07, KLF12, KFCO+07, KSG03, LH05, LH06a, LPRM02, LWS02, LLH04, LDHM06, LSA+16, LHVT17b, LFB+13, MWGZ09, MS13, MCAM06, Nah20, PKCH18, RAI06, SCO17a, SD02, SXD+12, TZL+02, TOS+03, TT09, WHS+16, WHZ+08, WY04, XYXJ12, ZG04, ZMT05, ZHW+06, ZZZB+18]. Texture-Based [SS00]. Texture-lobes [LPC+11]. textured [BGB+05, PKC+16, WM03]. TextureMontage [ZWT+05]. textures [AZP+05, AS02, BD02a, CGZ+05, gDGPR02, DYN03, FAW19, GP08, GP09, JDR04, JP02, KMB+09, KPM16, KSE+03, LHL10, LGG+07, MWT11, MWLT13, MZD05, MPH+20, NSX+18, ONO04, PZM+15, PZ08, RCOL09, SXD+12, TOI08, TZN19, TWY+20, WZYG10, ZZV+03, ZHHZ20]. Textureshop [FH04a]. texturing [CH02, GSV+14, PB02, VSDL13, XCOJ+09]. theatre [WL16]. their [Fat09a]. theme [WYW+10]. theories [LGHI11]. Theory [APH+14, CA00, HZE+19, JSKK12, BB17, DPF03, FCJ07, JNS11, LDF14, MSRB07, RAMN12]. Theran [BTFN+08]. There [PVR18, ISSI16]. thermal [HZW12]. thermoforming [SPG+16]. thickness [ISN+20, YSC+16]. Thin [HWZ+14, LSNP13, ASL+17, ABO16, BWG07, BD13, CAJ09, CSVR18, CQD+18, Dav20, FSH11a, GRBN09, GSLF05, GHF+18, HLHR09, LCC+18, PNJD14, RK13, VRBC18, VLD+13, WT08, WHTG10]. thin-plate [FSH11a]. thin-shell [CQD+18]. things [Iza18]. think [BDM+20]. thinning [NNS+19]. threads [BAV+10]. Three [CKH18, CCW93, CGM91, COSL98, Day90, EM94, Gre86, JSHM12, SG17, WF96, BBO91, Boi84, IGLF06, SLWF14, UB18]. Three-dimensional [CCW93]. Three-dimensional [CCW93]. Three-dimensional [CCW93]. Three-dimensional [CCW93]. Three-dimensional [CCW93]. Three-dimensional [CCW93]. Three-dimensional [CCW93]. Three-dimensional [CCW93]. Three-dimensional [CCW93]. Three-dimensional [CCW93]. Three-dimensional [CCW93]. Three-dimensional [CCW93]. Three-dimensional [CCW93]. Three-dimensional [CCW93]. Three-dimensional [CCW93]. Three-dimensional [CCW93]. three-level [SLWF14]. threshold [WWH04, ZF03]. tight [DM17]. tilable [FLICO10]. tile [CM+17, WPC+14]. tile-based [WPC+14]. tiled [MS05, YBY+13]. TileGAN [FAW19]. tiles [KCD0L06, LD06, CSDH03]. tiling [vW09]. tilted [XCW+20]. Time [And83, AIH+08, BYG96, BJO5, BKCO16, CWTW17, DNZ+17b, DLK18, GTR+06, GXY+17a, GNM15, GVNB18, HXZ+19, KZSR16, KIM+19, LBK17a, MBGS15, MOR+18, Mey91, TTS+18, TSLP14, VTSSH15, WLF+20, WS85, ZXTZ15, ABW+17, ASA+09, ADM+08, BHR13,
BP08, BZ11, BMSR20, BAOR06, BM07, BK04, CHWH17, CWLZ13, CHZI14, CBZB15, CWW+16, CKH18, CCGW18, CHO2, CPD07, CB13, CM11, CT05, CHP07, DNZ+17a, DRvdP15, DLL+18, DYN03, DHO05, DKD+16, DDF+17, EMU15, FKY08, FYK10, GO12, GCB+17, GSKJ03, GRGC15, GXY+17b, HV04, HED06, HFF18, HRE+08, HHHW15, HDHN16, HSW+17, HKA+18, Hub96, HESL11, JBP08, JPD02, JTL+12, JKT+15, KWB+13, KNS+09, KCDL06, KRF+18, KAMJ05, LEN09, LH16, LES10, LZX11, LTK09, LLKP11, LHDG+14, LGL+19, LLX+01, LFTC13, LHLK10, LXC+15, LBK17b, LZH+20, LB06, MMCK14, MHH+17, MBF+18, MP04, MP08, MSS+17. **time** [MDB+19, MCK13, NSX+18, NMD+17, NOP+18, NZV+11, NZZ13, P208, PO08, PVG19, POC05, RSM+10a, RWS+06, RTK+15, RJ07, RHIL02, SAL+08, SZT+08, SGXT20, SHHW16, SCT+15, SL17, SSII18b, SKS02, SRNN05, SMR07, TDG515, TDL+18, TZN+15, TZT+18, TPT16, TL0P06, TS12, VBG+13, VRBC18, WAO+09, WW+05, WTL+06a, WPP07, WP09b, WJJK15, WYM+16, WSJP17, WJ19, WMB+20, WXLY17, WGT+05, WOG06, WZN+14, XUC+14, XZT+17, ZIT+18, ZZ1+17, ZBYX19, ZHZH20, ZHG08, ZRL+08, ZNI+14, dASTH10]. **time-critical** [Hub96]. **time-domain** [WJ19]. **time-gated** [PVG19]. **time-image** [BMSR20]. **Time-lapse** [MBGS15, BM07, LEN09, SMP07, TDSL515]. **time-multiplexed** [WGT+05]. **Time-of-Flight** [GNHM15, GVNB18, KZSR16, ABW+17, CHW17, HHHW15, MHH+17, NZV+11, SHHW16]. **Time-resolved** [AH1+08]. **time-variant** [WTL+06a]. **Time-varying** [BKCO16, GTR+06, BHR13, DRvdP15, HED05, ZXY+17]. **Time/Space** [BYG96]. **times** [SPDF13]. **tissue** [BBO+09, DFW20, KPM+17]. **tissues** [PRWH+18]. **TOG** [Ols88]. **together** [GSKJ03, RTB17]. **toil** [DBWG15]. **token** [Zit13]. **tolerance** [MCSA15, YRPF09]. **tolerant** [SLWF14]. **tomographic** [WLHR11]. **tomography** [GKHH12, IYIY14, ZIT+18, ZIT+19]. **ton** [CXW+05]. **Tonal** [FL11, LFUS06]. **Tone** [SW18, ASC+14, BP06, EMU15, EK17, FFLS08, KO11, LCTS05, MD08, MAF+09, RSSF02, RTS+07, WYX11, YZWH12, ZF03]. **tool** [BD09, FH04a, JRT+15, MZB+17, WAC07, WZL+20, XFA12]. **toolkit** [FH04b, MGDB05]. **Tools** [BLA12, BD86, HAJ92, SB93, PLKD18, RMD12]. **toon** [ZLWH16]. **tooning** [WXSC04]. **Toonsynth** [DLKS18]. **Topological** [LDW97, VW94, VOV06, GMP09, LDK+18, NGH04, TR98, ZCLJ20, VW95]. **topologically** [PKZ04]. **Topology** [ALX+14, ABA02, DFL+15, HZJC17, MB12, NHS+13, PSF09, Sar09, ZJL14, ZSCM17b, ZHJC15, AZX+15, ABO16, BHK14, BW13, BHLW12, BBB10b, DRvdP15, JHZ07, LHM09, LHZ+18, MBF04, Mus13, NKJF09, SLS+07, Sta03, WGT10, WHDS04, YHZ+14, ZPKB17, ZSCM17a]. **Topology-adaptive** [PSF09]. **Topology-aware** [MB12]. **topology-aware** [SL5+07]. **Topology-based** [DFL+15]. **Topology-constrained** [ZLJ14, ZHJC15]. **Topology-controlled** [HZJC17]. **Topology-driven** [NHS+13]. **topology-preserving** [LHM09]. **Topology-reducing** [ABA02]. **Topology-varying** [ALX+14, AXZ+15]. **Toric** [GPSZ11, LC15, MGA+17]. **torque** [JWDL19]. **Total** [MGDA+15, XXYX12]. **touch** [PRWH+18, RP09]. **tourism** [SSS06]. **tourist** [GASP08]. **tower** [DFL+15]. **toy** [ZXS+12]. **toys** [MS04, MI07, SWT+17]. **traced** [EDR11, HR13, PFHA10]. **Tracer** [GIF+18]. **Tracing** [BK85, BK87, CFS+18, DLTW90, FHL+18, GHCC88, GRS+17a, Kaj83, KIM+19, Lev90, NID20, NKK+14,
PP94, RS14b, RLU95, SLM+17a, TB87, VKJ+17, WHG84, vW84, BDT99, BSS+13, CRS+16, CXW+05, CTE05, DHI+11, GRS+17b, HJJ+08, HJI1a, HQL+10, HZ11, KMA+15, LAA+05, LADL18, LWL+20, MKD+16, Mor11, MHC+16, NPP+11, PBD+10, PCS+20, PBMO02, RSH05b, SHHD17, SLM+17b, SLWF14, WIK+06, WBS07, WWB+14, WSS05]. TrackCam [LWCT14]. tracked [CB04, JBM+17, PSK+16]. Tracking [BHLW12, WKHA18, AHSS04, BH13, CHZ14, CCWL18, CMSA20, CMMK15, DBG14, HLW+18, HK10a, HMT+15, JTST10, KRF+18, KHLN17, LWCT14, MB12, NSJ14, SWW+20, TBC+16, TTT+17, TAH+04, TPT16, TTR+17, VGB+14, WP09b, WMB+20, WXLY17, WSS18, ZLWH16, ZGBF19]. TRACKS [BMWG07]. trade [LDS02, SWC+18]. trade-offs [LDS02, SWC+18]. Tradeoffs [BYG96]. traffic [LWL17, SWL11, WSL13]. train [WPKL17]. Trainable [EGP02].

Training [HL14, MCS15, PCP20]. Trajectories [TFD+18, RH16]. Trajectory [GM84, HN19, LH18]. Tran [Ros20].

Trans-similar [Ros20]. Transcripts [SBLD15]. Transfer [HLC+19, IWHH20, LFZ15, SHS+18, AYW+20, AHGL+13, ABW14, ACSM12, BVGP09, BRM+18, BSBC12, CRN08, DT05, FZL+15, GYQ+18, HPB06, JAM+10, JBP06, JFA+15, JAG18, KAGS20, KAM05, LEN09, LYY+17, LKWS16, TTR+17, VGB+14, WP09b, WMB+20, WXLY17, WSS18, ZLWH16, ZGBF19]. TRACKS [BMWG07]. trade [LDS02, SWC+18]. trade-offs [LDS02, SWC+18]. Tradeoffs [BYG96]. traffic [LWL17, SWL11, WSL13]. train [WPKL17]. Trainable [EGP02].

Transformation [N900, YYL+19, DT05, WKR99, WGT+05]. Transformations [BSB16, NN900, Pat85, Pat87, Tur82, Ale02, BSB17, CPS11, JBK+12, LSS+17, Spr82, VMW15]. transformed [HDHN16]. transformer [FYK10]. Transforming [XZM+18]. transforms [LMAH+18]. Transfusive [YJHS12]. Transient [HL20, LRT+14, BL15, HHGH13, JMM+14, OHX+14, PKHK15]. Transition [SYSP14]. transitions [BLA12, DDD+14, WBO8]. translating [CLD+13]. translation [CLY18, FTP03, HPP05, WSS+19].

Translational [LW15]. translucency [BATU18]. Translucent [BAU15, RT90, D11, DJ05, GXZ+13, GLL+04, HV04, JB02, PRJ+13, WTL05, WZT+08a]. transmission [AAR05, KVO5, MP04]. transparent [BMWG07].

Transport [BJN18, DKHS14, LR15, RLLG+20, SHS+18, BJ17, BvdPPH11, BPC16, BC19, DHS+05, GKLDS12, GLDZ15, HP17, HKD14, Hac18, HCC+20, IZT+07, J112, KHD14, KG+14, LCCS18, LHC+17, LKL+13, Lip18, MSRB07, MCK+17, MRK+14, MGJ19, NG18, NSCL08, OK10, ORK12, OHX+14, OHHD18, Pan17, PML+09, QSH+15, RHJD18, SNM+13, SHS+17, SOHK16, SV19, VXS+14, VK16, WDD+09, WHY20, dGBOD12, LLR+15].

transport-and-pack [HJC+20].

transport-based [SV19]. transportation [SBGD+15]. traversal [BAM14, NPP+11, PBVD15, SNCH08, WIK+06]. treatment [BFA02, HVTG08, KSK87]. Tree [SN92, WLX+18, AAM+19, BO04, CNX+08, LY+10, LPC+11, MGT+03, NFD07, PHL+09, PNID12, PSK+12, PNH+14, PHI+17, TZW+07, TFX+08, XLJ+09, ZHWN08, JP04]. Tree-Maps [SN92]. tree-modeling [NFD07].

TreeJuxtaposer [MGT+03]. treemaps
trees [AGDL09, DVS03, DIP+18, LBAD+06, LDS+11, LMPB+13, PSK+12, PNH+14, RMD04, XGC07]. triage [CYW+16]. Triangle [LS00, SS10b, ULP+15, AF5R03, CSN+12, GLLR11, LKZW10, PPW18, QHY+16, SNB07, SW05, SOA11, SSS08, SGC18, SP04, WZHB09]. triangle-oriented [QHY+16]. triangle-quad [PPW18]. triangle/quad [SW05]. Triangular [Sar00, FKY+10, JSW05, Lip12, PU06, YHB05]. Triangulated [RS14b, HR05]. Triangulating [FM84, WS85]. Triangulation [C184, EPO91, KLN91, dFP95, FAB+18, HSG+19, LPS+13].


turbulence [CQD+18, KTJG08, KTT13, MBT+15, NSC08, PTSG09, PTC+10, SDK18]. turbulent [LCD+20a]. Turning [BLCD02, SSJ+11, WX91]. tutorials [GAL+09]. Tutte [AL15, AL16, AKL17]. TV [FMR20, MP04]. twice [YRPF09].

twilight [HMS05]. Twistable [JS11]. Twister [LKG+03b]. twisty [SZ15]. Two [AWL15, BPD06, Glao90, JTMW20, Las90, LD13, RMSG+08, SJ04, SG11, TFD+18, THY99, ZLW+18, ZSCM17a, ZSCM17b, BB12, FQL+20, Gal99, HP17, HFG+18, IGLF06, LWS02, LCD+20a, LK20, LKG+03b, MDB+19, NAI+18, NGL10, NO13, RRC+16, TB20, WAH+10, XNY+16]. two-continua [NO13]. Two-Dimensional [Gla90]. two-handed [LKG+03b].


UnMousePad [RP09]. unordered [SS+08]. unorganized [HLZ+09]. Unpaired [AWL+20, CLY18, GYQ+18]. unparameterized [gDGPR02]. unreinforced [PBSH13]. unseen [SMZ+14]. unsharp [LCD06, RS+08]. Unstructured [BBPP10, GCD+20, NLK18, PKC+16, TKKT12]. Unsupervised
[HFW+19, LYF+20, SvKK+11, WSH+16, FYW+18, WWH+18]. **Unsynchronized**

[MCT15, YLC+20]. **Untangling**

[BWK03, BRB+19]. **Unwrap** [RAKR08]. **UofA** [SG91]. **Updated**

[HLSO12, HGMRT20]. **updates** [HSH20]. **upper** [LST09]. **Upright** [FCODS08]. **ups** [LJGH11]. **upsampling** [CAWH16, Fat07, KGBS11, KCLU07, SLJT08, WGP+10]. **upscale** [FF11]. **Urban**

[GDAB+17a, VLA15, YYYW13, AVB08, CMZP14, GADAB+17b, KFWM17, KCYW13, NSZ+10, NGDA+16, SHFH11, SMGH18, VABW09, VGDA+12, ZSW+10, ZXH+20]. **Use** [HC86, Tur82, BSW02]. **User**

[BD86, BPBD09, BBPD12, BPB13, FOL86a, FOL86b, FOL86c, HC86, Hud94, Jac96, Pei05, RV93, RO94, SG91, GB08a, HRE+08, KKB+11, LZC11, Ols84, PCL16, PTG02, SH08, WPC+14, YCW20, ZZZ+17]. **User-assisted** [BPD09, BPB13]. **user-centered** [GB08a]. **User-configurable** [Pel05]. **user-created** [HRE+08]. **User-guided** [BBPD12, ZZZ+17]. **User-Interface** [RV93]. **user-specified** [WPC+14]. **users** [KP09, KP10]. **Using**

[BIW93, BBB+93, BJN18, BN90, CGM91, CSS96, DNZ+17b, DGH16, DuF17a, DKD+17a, EC93, Fat14, GF82, GXY+17a, HCO10, HGM14, Hud94, HWZ+20, IHH20, JGN16, KKL17a, KLN01, LLK+19, LLN+14, LH17a, MHS+19a, MHNT15, NID20, PMHD19, RL+14, SDN18, ST16, SG17, SHD+14, SHS+18, SNN85, SP282, TSLP14, TB87, VMKK00, WK95, War92, ZZ18, XLCB15, YZW+16, YLC+20, YCP16, ZB94, ZWK14, ARA07, ARNL05, ALK+17, AZB09, AYL+12, ABA02, ACS12, ASL+17, AAM03, BCT15, BKGBK17, BAS14, BWS09, BCN08, BP08, BSpD08, BGAM12, BAMB13, BKKL15, BBO91, BHH+11, BHL8, BM05, BBGB16, BBG+13, BBM+14, BL15, BDK+16, BWKS11, BvdPPH11, BPC16, BNTS07, BFK+16, BSEH18, CHWH17, CK14b, CB04, CI97, CH07, CKS+17, CRG+20, CNX+08, CLW+14, CBW+18, CM11, CLSA20, CPWAP08, CLQW08, CWL12, CLS03, CS09, CJS+17]. **using**

[CK11, DNZ+17a, DSB+12, DH96, DLF12, DZS08, DYN03, DIO+12, DZP09, DuF17b, DDP99, DKO+17b, EKDO, EB08, FXB16, FBH+10, Fat09b, Fat11, FLB17, FKY08, FSH11b, FCJ07, FLSG14, GJ17, GGG+13, GLA+19, GFT+11, GLDZ15, GWP+19, GNS+12, GF12, GKJ+05, GBAM11, GJYW14, GXY+17b, GSH+20, HJ11a, HTC+14, HET+14, HRL15, HE07, HHG13, HLR+14, HDM+16, HSS98, HAB20, HSTP11, HLHR09, HSHF10, HLLL14, HMLL15, HX+20, HZJ11, HLBR12, HKAK14, IOO05, JKS13, JL11a, JNS11, JTL+12, JZW+15, JWDL19, JCA11, JMA06, JKS10, JMA10, JZvdP08, KL17b, KCV+18, KTO3, KGS+18, KSES14, Kim10, KLM12, KLF+19, KSE+03, KLV20, LJS+15, LLDD09, LHK10, LWH+11, LCX09, LRR04, LCS05, LZF10, LDF14, LLW04, LGX+13, LLZM10, LLX+12, LH16, LVS+16, LWL17, LDP17, LTB+20, LRFH13, LWO19, LZVC20, LXW+11, LCK+14, LCH17b, LH18, LCS14, LB05]. **using**

[LLDO94, LEQ07, MJC+08, MTP+18, MLR+14, MBWBR13, MNP+02, MZD05, MTP04, MRA+13, MSL+11, MB12, MS04, MM06, MMO06, MjDH10, MW13, MGT+03, MAB+15, MHR+16, NYY04, NSX+18, Nah20, NZV+11, NNC+20, NSCL08, NKG06, NF07, NH03, NL13, NZZ13, OLA14, PZM13, PBB15, PRJ+13, Par17, PCC06, PMS12, PTD17, PL07, PBvdP15, PBvdP16, PYB17, PWP18, PTG09, PTC+10, PGZ+19, QZG+19, RTF+04, RAT06, RND+07, RG16, RGF+20, RWS+06, RDL+15, RKB04, RKZ11, RMBB+13, SHM+18, SMH+11, SW58, SNCH08, SWM06, ST14, SvTS14, SED16, SBSS12, SAL+08, SWT14, SHS+17,
SOA11, SHK+14, SHM+14, SGG+06, SLWS07, SRL+15, TMRL14, TK14, TZX+11, TGB13, TZN19, TS06, TYY+19, TT09, UBW99, VABW09, VPB+09b, WIK+06, WBS07, WH59G79, WZT+08a, WHDK12, WYY+14, WLL+14, WSXC16, WZK+17, WMB19, WJL+20, WG09, WZC12, WLHR12, WMP+06, WJ+05, WM03. using [WGP+10, XLJ+09, XWW+14, XSZB15, YCR+15, YL10, YL12, YJB+14, YYV+12a, YBY+13, YT13, YCHK15, ZRLK07, ZJMB11, ZF03, ZHS+05, ZRL+08, ZTF+18, ZKU+04, ZIt+13, ZNI+14]. UV [HDC07, PTH+17, Tar16]. UV-maps [Tar16].


variant [BSD09, WTL+06a, ZZV+03]. variants [LL19]. variates [MRK20, RJN16]. Variation [MGDA+15, LBJK09, MLH+09, XYXJ12].

Variational [ACSYD05, BCWGO9, CSADO4, FSK04, HCJ19, LBB17a, Sar00, SC18b, ZZWC12, BB07, DK09, GWAB19, KS98, LMH+15, MMTD07, SHM+18, WP10, XLLW20, YIT17]. Variations [BS90, BW13, BL15, DM15, GBM16, HOM15, ZHG+16]. varied [HRE+08, SSJ+14]. variety [MLD+08].

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