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[MWW12]. **Coherence-Enhancing** [KK11b]. **Coherent** [BBH13, BLV+10, CS16, CGS16, EPCV15, GOPT11, GRDE10, KTO11, KER+14, LAE+12, LHNS18, MO10, MBES16, MBJ+15, PPM+16, RSD+12, SW10, TCM10, ZAD15, SPCR14]. **Cohort** [RCMA+18]. **Collaboration** [IC11, ID10]. **Collaborative** [BB17, JSH+13, MHK+19b, RDK13, TSPP16, XBL+18]. **Collage** [GTZM10, ZH12]. **Collection** [CDSS14, SBC14]. **Collections** [AEWQ+15, AKZM14, AKM16, CWG11, CRA+17, DMS14, FDH+15, HG13, KGAC15, KFLCO13, LLC11, LCUR14, LVW+15, NBCW+11, NNRS15, OSR+14, PTT+12, PDC+19, RLGH15, SGB13, YXX14, ZCOAM14, vdCvW17, HAGO19]. **Collective** [XWY+15]. **Collision** [FWPS11, JKJL18, LMM10, LPH+15, LLC+15, PKS10, SR19, TWT+16, VMTS10, WTTM15, WLT+17, WTMT18, WDZ17, WC14, YMJ+17]. **Collision-Aware** [JKJL18]. **Collisions** [CK10a, PKS10, VMTS10]. **collocated** [RAmB+19]. **Color** [AP10a, AAB+10, AGJ12, BMS+10, CKL14, FLJ+14, GRC13, HGO18, HHGJ15, HZMH14, JYS19, JCW11, JESG12, KYKL14, KM16, KG18, LLC19, MO10, NKB14, NPCB17, OVB+15, RMZ13, SO12, SSB+14, TBKP12, TDMS14, WWL+19, WK12b, WZL+17, WTLL13, XADR13, YXX14, YWF+19, YLL15, EKB14, HL14, RCM+14]. **Color-Pair** [YWF+19]. **Colored** [PK10, FLJ+14]. **Colorfields** [SSSG16]. **Colorimeter** [GBS19]. **Coloring** [NPCB17, WZL+17]. **Colorization** [LT12, JCT14]. **colormaps** [EKB14]. **Colors** [HZMH14, KNL+15, KSG+15, LFK+13, SGSP15, YLL15]. **Colour** [AP10a, FPC+16, LM10, LCG10, LKSD17, LS15, WDK+13, XWL+15]. **Colourization** [DRA10]. **Colours** [MSHD15, OYH18]. **column** [LLLY19]. **Combination** [BP17, WMXC19]. **combinations** [SNJ+14]. **Combinatorial** [PBPP11, SY11]. **Combined** [WYKR17]. **Combines** [ARH12]. **Combining** [GLCC18, KP18, KKTD17, SJ19]. **Combustion** [GBG+14, JK13, OLF+14, OAM+18]. **Comfortable** [FFN18]. **Comics** [CNKI13, McC11]. **Comments** [SHS+17]. **Communication** [SMM13, YKS+19]. **Communicative** [HRD+15, SBD+15b]. **Communities** [CDA+14, VBAW15]. **Community** [DWT+11, RTJ+11]. **Commutativity** [NO17]. **Compact** [CCC17, CP11, GLLR11, KBK+10, UKCB15, HLJ+13]. **Compacting** [HL19]. **Compaction** [HLJ+13]. **Compactly** [HA17]. **Comparative** [ASB+17, ARH12, BvLBS11, DHS+13, FL19, GT15, KARC15, MVB+17, MWS+10, OSR+14, PPBT12, RLP10, SKR+14, SS15b, vPGL+14, EMU17, WGO+14]. **Compare** [AKMM11]. **Comparing** [RL16, SSK16, WPHC16, vdCvW17]. **Comparison** [BSBE17, DWT+11, FAFM19, HFM16, KWS+15, KZZM12, MTM12, NNN11, PDW+14, SSW14a, VCRG14, VHB16, WHS+18]. **Comparisons** [SLB+18]. **Compatibility** [LTR19, ZCOM13]. **Compensated** [PM19]. **Compensating** [MSK14]. **Compensation** [ENSD12, LMG+18b, MK15, SYC10]. **Competitive** [KMJE12]. **Compiler** [CTHAM10]. **Complete** [AH11]. **Completion** [GS14, GLK18, HTG14, IS15, LL19, LZL+15, MSAP15].

[NRM+12, NRP11, NREM14, NBHN17, OM13, OW19, ORT18, OGHT10, PBMG15, PSCC18, PB11, PCX+18, PW12, PPBT12, PEP+11b, PEPM12, PGK10, POG13, PBC+16, RXX+17, RI17, RAMG15, RGG18, RBRY19, RLYL14, SLB+18, SW10, SY14a, SYM10, Sch11, SK16a, STKD12, SXY+11, SN12, SK17, SGS14, STC+16, SSS+12, STP17, SJW+11, SJWS13, SBL12, TDS+16, TWS+11, TSW+19, TTB12, TBTB12, TWSM17, VGB+14b, WH17a, WL10, WZL+12, WRS+13, WCT+15, WZK16, WLL+17, WLJ+18, WBAI19, WGS10, WSSC11, WXW18, XXLX14, XXS+15, XSQ13, XSX+14, XXY+18, YFW12, YLLL15, YHL+16, YL11, ZZH15, ZZWC16, ZFG+17, ZRLS19, ZKWG16, ZWHK16, ZTG+18, ZSG+18, ZJC13, dGCSAD11, dHvPJV14, vPJtHRV12, vMRBPM17]. **D-Printing** [KFW19]. **Dashboard** [MSFM16]. **Dashcam** [CCC+14]. **Data** [AKMM11, ARH12, AFK+14, AAS+16, AECOK16, BDA+17, BMH+12, BLY+11, BWH+11, BSW+14, BHR+19, BSY+19, Bik12, BKR+17, BBBL11, BBL12, BvLBS11, BTB13, CGT+15, CGM19, CKGC14, CC14, CLJ+15, CWL+15, CYI+12, CNKI13, CWM19, CDS16, CMF18, CKE+12, CKS+16, CR16b, DKG15, DAF+18, DRM19, DH16, DPD+15, DMSL11, DBS+11, Duc14, EAGA+16, EGG+15, EIKM16, EHH+13, ECN14, FR11, FDL14, FL19, FMH16, GLHH13, GCLX17, GLK18, GHB+17, GCZ+12, GKPL11, GRPF16, GSW12, HENfSYS16, HSK+10, HJM+11, HVH+16, HSmCY13, HSH16, HPvU+16, HV10, HPH10, HLJ+13, HJS+17, IS15, KWD14, KZB19, KCJM16, KFH10, KKS+12, KH18, KMJE12, KCA+16, KPG+16, KBvP+17, KVD+10, KFR+11, KHI+19, KTW+13, KZZM12, LDB11, LSBP18, LMS+16, LKZ+15, LT16, LOM+18, LSS+12, LCB+18, LMG+18a, LFK+13, LFS+15, LJH13, LWBP14, LWT+15, LBJ+16]. **Data** [LCDW16, LGW18, MK11, MHK+19a, MHK+19b, MRL+17, MKP+16, MKSS12, MBT+12, MLD+18, NNN11, NJB+11, NHG19, OJMN+19, OGW19, POS+11a, PSPM12, PLL11, PEP+11a, PVS+18, PHL+16, PSC10, PEP+11b, PEPM12, PDW+14, Pos11b, PKRJ10, PBC+16, RW18, RXX+17, RTK+14, RL16, RPLH11, RPMO13, RBRY19, RSSL17, RSK12, SSW14a, SSKB15, SML15, SCD+16, SBG17, SPB+17, STMT12, SA15, SY12b, SHW+18, SV10, SAAF18, SK16b, SvL16, SBS+17, SWG16, SGG15, SGG16, SLSG16, SRG+19, SSS+12, SSSG16, TFA+11, TWC+16, TLFC16, TCM10, TPRH11, VSG+13, VB14a, VF14, VM12, WHC15, WDM+12, WYZC13, WXR+16, WLL+17, WLN+17, WBAI19, WG11, WBS+13, WHP+11, WGO+14, WCH+15, XSE14, XKHK17, YWS+14, YKS+19, YNM+13, YLRC10, ZFAQ13, ZFA+16, ZLW+16, ZAM+16, ZM16, ZCW+19, ZZ17, vDHO16, vGPNB17, vdEvW13, vdCvW16, vdZLBI11, BHT19, CFGL16]. **data** [KGGP18, NDD14, RK10]. **Data-Driven** [CKGC14, CC14, ECN14, GLHH13, GCLX17, GCZ+12, HSmCY13, IS15, MHK+19b, MBT+12, RXX+17, RBRY19, SML15, SHW+18, WLL+17, XKHK17, ZLW+16, ZZ17, AECOK16, CLJ+15, EIKM16, HPH10, LOM+18, SA15]. **Data-guided** [HENfSYS16]. **Data-Parallel** [MKSS12]. **Database** [LDGN15, OAO11, SK17, LTR19]. **Database-Assisted** [LDGN15].

G [KP19]. **G-splines** [KP19]. **galleries** [LSN$^+$14]. **Game** [MVLS14, MTVJ11]. **Gamma** [BSH12]. **Gamut** [JWH$^+$19b, NKB14, PR12, SSGM17]. **Gamut-Based** [NKB14]. **Gap** [YKS$^+$19]. **Garment** [DDÖ$^+$17, ZCF$^+$13]. **Gas** [ZHQH17]. **Gathering** [LWLD11, MW11]. **Gauss** [Cet19, YBY10]. **Gaussian** [HWF$^+$17, IFDN12, LS16, Tok15b, WFZ$^+$15, XL10, YZXW12]. **Gaussian-Based** [HWF$^+$17]. **Gaussian-Distributed** [LS16]. **Gaze** [BKW13, HBO$^+$10, MBM13, OAJ14, PMG13, RKGS18, RPA$^+$15, SGEM16, WBM$^+$18]. **Gaze-Contingent** [SGEM16]. **Gaze-driven** [MBM13]. **Gaze-enabled** [OAJ14]. **GazeDirector** [WBM$^+$18]. **GEARS** [WZKP14]. **GEMSe** [FMH16]. **Genealogical** [RHM$^+$12]. **General** [AMS16, Ano10a, Ano10c, Ano11c, Ano11e, Ano12d, Ano12f, Ano13f, Ano13i, BEEM15, BÖK11, HVVR18, HCSC16, HLJ$^+$13, KS13a, LT16, LWS$^+$13, LBJ$^+$16, MR17, PCDS12, PSP10, RÖG17, SV14, SDHL11, WZKP14, WHT12]. **General-Purpose** [HLJ$^+$13]. **generalization** [vDHO16]. **Generalized** [AMAM13, BDA$^+$17, CG16b, DLGY12, EDPB15, HWU$^+$19, Jac17, Jes16, KPK10, MCM$^+$12, PKS11, PGK10, STKD12, XTZ19]. **Generalizing** [CGT$^+$15]. **Generated** [UKCB15]. **Generating** [DJSJ19, LVJ10, LLC19, MH17, RLGH15, TXL$^+$19, WTLL13, Yuk15, LLLY19]. **Generation** [AKV15, BYM18, BSK$^+$13, BLP$^+$13, CNCO15, CG16a, CGH18, CBC$^+$16, CEG$^+$18, DCYG19, GPMG10, GTL$^+$18, Gda17, GD10, GSZ11, IIX$^+$19, JYS19, JSLW14, KS12a, KWC$^+$12, KÖS$^+$15, KMA$^+$19, KGRG17, LMP$^+$10, LEE17, NREM14, NS11, OJMN$^+$19, RPA$^+$15, RSK10, SYM10, SD10a, SCR$^+$18, ŠBM$^+$10, SB19, VKW$^+$12, VGB14a, WL10, YCL$^+$17, YWY10, ZZWC16, ZCX19, vFG11, vdKdJP$^+$19, BMWW14, HGA$^+$10, SKK$^+$14b, SKK$^+$14a]. **Generative** [CLGS18, KAT$^+$19, QWZ$^+$19, SLCL19, WGW$^+$19, WPY$^+$19, WLZX19, YDP19, ZLZ$^+$18, HKM15, NW17]. **Generic** [LGC$^+$19]. **Genetic** [Deb18, HSS17, LS15]. **Geneva** [Ano10c, Ano11e, Ano12f, Ano13i]. **Genome** [KMA$^+$19, SCD$^+$16]. **Genomic** [NHG19]. **Genomics** [LSS$^+$12, MWS$^+$10]. **Genotype** [GKPL11]. **Genus** [LK19]. **Genus-Zero** [LK19]. **Geo** [DBS$^+$11, vGPNB17]. **Geo-information** [DBS$^+$11]. **Geo-referenced** [vGPNB17]. **GeoBrush** [TSS$^+$11]. **Geodesic** [CK11a, HZRS18, MR12, WK12a, XYM13, XLS$^+$14, ZWC$^+$10]. **Geodesics** [HRWW12, SCF10, ZZCJ14]. **Geodesy** [CHK13]. **Geographic** [CY14, LBK14, WKS$^+$14]. **Geographical** [LCB$^+$18, ZLMM16]. **Geological** [DKG15, RMH$^+$18]. **Geometric** [ATK17, BHS$^+$17, BMR$^+$16, BvTH16, CK11a, CD10, CDSS14, FLL11, FSTR13, GUK$^+$17, HK12, KZB19, KBK13, LMW$^+$19, MLP$^+$10, PCBS16, PSCC18, PPY$^+$16, SLD$^+$17, TSS$^+$11, VKJ$^+$17, WLX19, WMRSF15, YLX$^+$16, BCGS13, BHU10b, VMHB14]. **Geometrical** [PRW11, SPT14]. **Geometrically** [SHCB15, TL19, YYL$^+$16]. **Geometries** [JL17, Kaz15, RXX$^+$17, WH17b]. **Geometry** [ABCJ10, BPW14, BS12a, BDS$^+$12, BGS10, BNH10, BBDA10, CVDL16, CSD11, CCLN10, CCW12, CG19, CK13, CH11, CDS10, DKB$^+$16, DRF12, DFY14, EMP$^+$12, EBGM12, FWX$^+$13, FGT$^+$16, GPK$^+$12, HRS$^+$14, HM15, HMA15, HREB11, IEKM16,

Non-singular [KSBC12]. **Non-Terminal** [KPK10]. **Non-uniform** [CCTL12]. **Non-Uniformly** [GO15]. **Non-Visual** [CJP$^+$19]. **Nonlinear** [HK12, WWF$^+$18, YLHQ12]. **Nonlinearly** [BRM$^+$16b]. **Nonparametric** [PH13]. **Nonrigid** [BS12b]. **Nonuniform** [WH17a]. **NoRM** [HČA$^+$12]. **Normal** [BM12, BM16, CACB18, JBG19, JSLW14, LZFH18, MSS$^+$10, SSG17, SCQ$^+$19, WLT$^+$17, ZDZ$^+$15, ZWY$^+$13, CFGL16]. **Normalization** [LIK19, SY12a]. **Normals** [Hd14b]. **Note** [Ano13h]. **Novel** [ABW$^+$15, GPK$^+$12, LL19, LSR17, LZQ13, TZD11, WYY13]. **Novel-View** [GPK$^+$12, LSR17]. **NPR** [CS16, HLH$^+$16b, KM16, TLM16]. **Number** [OHG11]. **Numbers** [SL11]. **Numerical** [Kaz15, Kim15, KUMY10, OLF$^+$14, AVBC18]. **NURBS** [SYT$^+$13].

Object [BSL18, CKS$^+$15, DS11a, DZC11, EBGM12, GCZ$^+$12, GTK$^+$12, IKL$^+$10, IEH$^+$14, KFW19, LSF$^+$11, LDGN15, MBM13, MPM$^+$14, MSAP15, MCG$^+$19, MRS12, PS10, SSB13, SJWS13, WPY$^+$19, XXY$^+$18, YCL$^+$17, ZZWC16, ZCK17, ZXZ$^+$17, JCT14]. **Object-Centered** [CKS$^+$15]. **Object-Space** [MRS12]. **Objective** [TAEE16]. **Objectives** [SPF$^+$19]. **Objects** [AWO$^+$10, Att15, ATF12, BvTH16, EDPB15, FCS$^+$16, GPG$^+$16, HK16, HCSC16, Jac17, JZYP18, KKBJ16, KKSS15, KMHG13, KKPL19, KS12b, LPH$^+$15, LAFT12, LTR19, MCHW18, MGG10b, MMO16, PDP$^+$15, RAMG15, TXGW19, UTZ16, WWH$^+$10, WXL$^+$11, WK12a, WDZ17, WWT$^+$16, WW11, YH13, ZXTD10, NW17, ZKWG16]. **Oblivious** [SSE$^+$14, DLL$^+$10]. **Obscurance** [Tim13]. **Observation** [BRB$^+$13]. **Observer** [WWV17]. **Obstacles** [Man16]. **Obtuse** [XYLY19]. **Occluded** [TXGW19]. **Occluder** [SSLL14]. **Occluding** [ABK$^+$19]. **Occlusion** [IH11, LK10, LWDB10, MSW10, NJC$^+$19, ŠPBV10, SGG15, YWC$^+$10]. **occurrence** [SCD$^+$16]. **Ocean** [AHG$^+$19, BNH10, DCGG11, LSB$^+$17, WHP$^+$11]. **OCT** [GHB$^+$17]. **Octree** [GSP19, JZYP18, KKK18, LMP$^+$10]. **Octree-Based** [GSP19, JZYP18]. **Octrees** [BLD14a]. **off** [VVE$^+$10]. **Offline** [BMDS19]. **Offs** [BMPM12]. **Oil** [SDHD17]. **Olfaction** [HBRD$^+$18]. **Omnidirectional** [XLH$^+$13]. **Omniscient** [LPSV14]. **On-demand** [GLX$^+$16]. **On-line** [DZD$^+$16, HNJ$^+$14]. **On-Site** [LPG19]. **On-The-Fly** [OAM$^+$18, LZB17, ZOA$^+$18, DJSJ19, SKK$^+$14b]. **One** [OMMG10, SHSK16, Kur15]. **one-dimensional** [Kur15]. **One-sample** [SHSK16]. **Online** [AWCO10, JKJL18, RWW16, SHS$^+$17, WHS$^+$18, XXY$^+$18, ZZZ$^+$19]. **Ontological** [CE19]. **Ontology** [FW17, XWG$^+$13]. **Ontology-Based** [FW17, XWG$^+$13]. **Opacity** [GSE$^+$14b, GTG17, GRT14, WZC$^+$11]. **Opaque** [IPKK13, WWT$^+$16]. **Operations** [DI18, KCH19, LMM10]. **Operator** [ABCCO13, BEKB15, GRT18, HS19, KKB18, LJC17, MEMO14, PPH$^+$13, QCW$^+$18, HP11]. **Operators** [BNH$^+$16, BEKB15, BHU10b, EWMU13, HCO18, JTSZ10, MBDC15, UMM$^+$10, YI10, YDT$^+$18]. **Opportunities** [DAF$^+$18]. **Optical**

[AGJ12, ABCCO13, BCD^{+}13, BPVR11, BS12a, BCK^{+}12, BLK11, BLP^{+}13, BCGL18, BvTH16, BSEH17, ČHM^{+}13, CG16a, CK10b, CK11a, CCW12, CG16b, CCTL12, CNKI13, DZD^{+}16, DTV15, DJM12, EMP^{+}12, EWMU13, FLL11, GO15, GCW15, GLGW12, GLLR11, JBG17, JH12, Jes16, JESG12, JWL^{+}13, Kaz15, Kim15, KKL16a, KBvP^{+}17, LMM10, LCCC13, LWL^{+}16b, LLC13, LLW12, LLSC13, LCHB12, MWS^{+}16, MSS11, MCM^{+}12, MBG^{+}12, MRAS17, NVT^{+}14, Pat16, PSHZ^{+}15, PK15, RTK^{+}14, SY12a, SCM^{+}19, SY12b, SO12, SLHC12, SHJ^{+}16, SBCBG11a, SKWL13, TWS^{+}11, TSS^{+}11, TBKP12, TPC^{+}10, TBTB12, VB14a, VF14, VCD^{+}16, VBHH13, WZH13, WWL^{+}13, WLM13, WHL10, WGO^{+}14, XXZC13, XSQ13, XKHK17, XADR13, YFW12, YL11, ZVD10, ZH12, ZCZL13, ZCF^{+}13, ZFJ^{+}16, LEM^{+}17, YDT^{+}18]. **Processor** [MH13]. **Product** [HEV^{+}16, LMLF15, NMR^{+}18, RLB^{+}19]. **Production** [CBTB16, ENSB13, USSK11]. **Products** [IFL13]. **Profile** [JKK^{+}18]. **Profiling** [DWT^{+}11]. **Prog&Play** [MTVJ11]. **Program** [DI18, YB18]. **Programmable** [HHRZ12, MH13, MGC^{+}16, SBF15]. **Programming** [Deb18, GCW15, HG13, MTVJ11, RLGH15, SY14b, WSSC11]. **Programs** [RJT18]. **Progressive** [BEF17, BJFadH19, CVDL16, CWY11, CKK18, DKL10, DW13, DG12, GG14, GG15, GRR^{+}16, HBW11, HMB17, JRJ11, JWL^{+}13, LJBA13, MGJ^{+}19, NNDJ12, PHK^{+}10, WG12]. **Projected** [FL19, MMF10, MFL13, UG18]. **Projection** [Ake11, AASB14, BDF^{+}14, BBIG17, DGP17, DBS^{+}11, GL12, GI18, HHGJ15, KSCN19, LT16, LMG^{+}18b, MW11, PEP^{+}11a, RLH^{+}17b, SCCN11, SPT14, TIK17, WYY13]. **Projection-Based** [BDF^{+}14]. **Projections** [BDS^{+}12, HCW17, JPN15, LKZ^{+}15, LMLG15, LWT^{+}15, LBJ^{+}16, MFNP13, MFL13, PCX^{+}18, PEP^{+}11b, PEPM12, TLRB18, WG11]. **Projective** [LT16, RRSG16, SMSH18, Vax14, XXS^{+}15]. **Projector** [SM10, SM11]. **Propagation** [BO19, BHW11, EIKM16, IEK^{+}14, IEKM16, LJH10, MMRO13, VD18]. **Properties** [BM16, BJG^{+}15, GKOM18, IGAJG15, JKLS10, SLH^{+}18, VVP^{+}16]. **Proportion** [CEX^{+}18]. **prose** [OKK13]. **Prostate** [MK11]. **Protein** [ABCJ10, BLY^{+}11, BJG^{+}15, HVH^{+}16, KFR^{+}11, SAMG14, SLD^{+}17, VHG^{+}18]. **protein-ligand** [VHG^{+}18]. **Prototyping** [RPLH11]. **Provenance** [BH19, SASF11, SLSG16, DMS14]. **proxies** [BLD14b]. **Proximal** [HRD^{+}15]. **Proximity** [LBK14, LMA^{+}18, MRS12, TCLK12]. **Proximity-Based** [LBK14]. **Proxy** [RKR^{+}16]. **Proxy-guided** [RKR^{+}16]. **Pruning** [NPDD11]. **Pseudo** [DH14]. **Pseudo-Spline** [DH14]. **Psychology** [TX16]. **Publisher** [Ano13h]. **Pulmonary** [KPG^{+}16]. **Purkinje** [ARM^{+}15]. **Purpose** [HLJ^{+}13]. **Puzzle** [GTZM10]. **Puzzle-like** [GTZM10]. **Puzzles** [LRB^{+}16, TSW^{+}19, vdKdJP^{+}19]. **Pyramid** [LFYX19]. **Pyramids** [And12].

QEM [YFWR11]. **QR** [LLC13]. **Quad** [BLP^{+}13, BL18, CK14, PP11, PW13, PPM^{+}16, RRP15, SLE18, ZSW10a, KP19, TPC^{+}10]. **Quad-based** [SLE18].

References

Andrienko:2010:SCS

[AAB+10] G. Andrienko, N. Andrienko, S. Bremm, T. Schreck, T. Von Landesberger, P. Bak, and D. Keim. Space & color: Space-in-time and time-in-space self-organizing maps for exploring spatiotemporal patterns. *Computer Graphics Forum*, 29(3):913–922, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Aanjaneya:2018:EST

[Aan18] Mridul Aanjaneya. An efficient solver for two-way coupling rigid bodies with incompressible flow. *Computer Graphics Forum*, 37(8):59–68, December 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Amirkhanov:2016:VDA

[AAS+16] Alexander Amirkhanov, Artem Amirkhanov, Dietmar Salaberger, Johann Kastner, M. Eduard Gröller, and Christoph Heinzl. Volume data applications: Visual analysis of defects in glass fiber reinforced polymers for 4DCT interrupted in situ tests. *Computer Graphics Forum*, 35(3):201–210, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Aumentado-Armstrong:2017:SKS

[AAS17] T. Aumentado-Armstrong and K. Siddiqi. Spectra and kernels: Stochastic heat kernel estimation on sampled manifolds. *Computer Graphics Forum*, 36(5):131–138, August 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Apaza-Aguero:2014:PMA

[AASB14] K. Apaza-Agüero, L. Silva, and O. R. P. Bellon. Projection mapping on arbitrary cubic cell complexes. *Computer Graphics Forum*, 33(1):152–163, February 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Abbas:2019:CVQ

[AASB19] Mostafa M. Abbas, Michaël Aupetit, Michael Sedlmair, and Halima Bensmail. ClustMe: a visual quality measure for ranking monochrome scatterplots based on cluster patterns. *Computer Graphics Forum*, 38(3):225–236, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Artusi:2011:SSR

[ABC11] Alessandro Artusi, Francesco Banterle, and Dmitry Chetverikov. A survey of specularity removal methods. *Computer Graphics Forum*, 30(8):2208–2230, December 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Azencot:2013:SOA

[ABCCO13] Omri Azencot, Mirela Ben-Chen, Frédéric Chazal, and Maks Ovsjanikov. Surfaces: an operator approach to tangent vector field processing. *Computer Graphics Forum*, 32(5):73–82, August 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Abeysinghe:2010:GIS

[ABCJ10] S. S. Abeysinghe, M. L. Baker, W. Chiu, and T. Ju. Geometry II: Semi-isometric registration of line features for flexible fitting of protein structures. *Computer Graphics Forum*, 29(7):2243–2252, September 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Andujar:2010:VLS

[ABCN10] C. Andujar, P. Brunet, A. Chica, and I. Navazo. Visualization of large-scale urban models through multi-level relief impostors. *Computer Graphics Forum*, 29(8):2456–2468, December 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Adams:2010:IPF

[ABD10] Andrew Adams, Jongmin Baek, and Myers Abraham Davis. Images and photography: Fast high-dimensional filtering using the permutohedral lattice. *Computer Graphics Forum*, 29 (2):753–762, May 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ammann:2012:NPR

[ABG+12] Lucas Ammann, Pascal Barla, Gaël Guennebaud, Xavier Granier, and Patrick Reuter. Non-photorealistic rendering: Surface relief analysis for illustrative shading. *Computer Graphics Forum*, 31(4):1481–1490, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Angelini:2019:SEA

[ABK+19] M. Angelini, Juri Buchmüller, Daniel A. Keim, Philipp Meschenmoser, and G. Santucci. SurgeryCuts: Embedding additional information in maps without occluding features. *Computer Graphics Forum*, 38(3):237–247, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Aboulhassan:2015:EPS

[ABW+15] A. Aboulhassan, D. Baum, O. Wodo, B. Ganapathysubramanian, A. Amassian, and M. Hadwiger. Engineering and physical sciences: a novel framework for visual detection and exploration of performance bottlenecks in organic photovoltaic solar cell materials. *Computer Graphics Forum*, 34(3):401–410, June

2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Argudo:2018:TSR

[ACA18] O. Argudo, A. Chica, and C. Andujar. Terrain super-resolution through aerial imagery and fully convolutional networks. *Computer Graphics Forum*, 37(2):101–110, May 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Agus:2019:IVV

[ACAA+19] M. Agus, C. Calì, A. Al-Awami, E. Gobbetti, P. Magistretti, and M. Hadwiger. Interactive volumetric visual analysis of glycogen-derived energy absorption in nanometric brain structures. *Computer Graphics Forum*, 38(3):427–439, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Aristidou:2015:EAC

[ACC15] Andreas Aristidou, Panayiotis Charalambous, and Yiorgos Chrysanthou. Emotion analysis and classification: Understanding the performers' emotions using the LMA entities. *Computer Graphics Forum*, 34(6):262–276, September 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Aliaga:2017:BIA

[ACG+17] Carlos Aliaga, Carlos Castillo, Diego Gutierrez, Miguel A. Otaduy, Jorge Lopez-Moreno, and Adrian Jarabo. BRDFs and illumination: an appearance model for textile fibers. *Computer Graphics Forum*, 36(4):35–45, July 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Alvarez-Cortes:2016:PLC

[ACKM16] Sara Alvarez-Cortes, Timo Kunkel, and Belen Masia. Practical low-cost recovery of spectral power distributions. *Computer Graphics Forum*, 35(1):166–178, February 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Aristidou:2018:SSA

[ACOHS18] A. Aristidou, D. Cohen-Or, J. K. Hodgins, and A. Shamir. Self-similarity analysis for motion capture cleaning. *Computer Graphics Forum*, 37(2):297–309, May 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Aiger:2012:TMR

[ACOM12] Dror Aiger, Daniel Cohen-Or, and Niloy J. Mitra. Textures and materials: Repetition maximization based texture rectification. *Computer Graphics Forum*, 31(2pt2):439–448, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Axelsson:2017:DSG

[ACS+17] Emil Axelsson, Jonathas Costa, Cláudio Silva, Carter Emmart, Alexander Bock, and Anders Ynnerman. Dynamic scene graph: Enabling scaling, positioning, and navigation in the universe. *Computer Graphics Forum*, 36(3):459–468, June 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Andujar:2014:IRR

[ACV+14] C. Andújar, A. Chica, M. A. Vico, S. Moya, and P. Brunet. Inexpensive reconstruction and rendering of realistic roadside landscapes. *Computer Graphics Forum*, 33(6):101–117, September 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Azencot:2019:CSM

[ADG19] Omri Azencot, Anastasia Dubrovina, and Leonidas Guibas. Consistent shape matching via coupled optimization. *Computer Graphics Forum*, 38(5):13–25, August 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Allahverdi:2018:LMS

[ADMAS18] K. Allahverdi, H. Djavaherpour, A. Mahdavi-Amiri, and F. Samavati. Landscaper: a modeling system for 3D printing scale models of landscapes. *Computer Graphics Forum*, 37 (3):439–451, June 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Arora:2017:SEI

[ADN+17] R. Arora, I. Darolia, V. P. Namboodiri, K. Singh, and A. Bousseau. SketchSoup: Exploratory ideation using design sketches. *Computer Graphics Forum*, 36(8):302–312, December 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Averbuch-Elor:2016:DDI

[AECOK16] Hadar Averbuch-Elor, Daniel Cohen-Or, and Johannes Kopf. Data-driven images: Smooth image sequences for data-driven morphing. *Computer Graphics Forum*, 35(2):203–213, May 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Averbuch-Elor:2015:ICD

[AEWQ+15] Hadar Averbuch-Elor, Yunhai Wang, Yiming Qian, Minglun Gong, Johannes Kopf, Hao Zhang, and Daniel Cohen-Or. Image collections: Distilled collections from textual image queries. *Computer Graphics Forum*, 34(2):131–142, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

AlBorno:2014:APB

[AFHdL14] M. Al Borno, E. Fiume, A. Hertzmann, and M. de Lasa. Animation I (physically-based): Feedback control for rotational movements in feature space. *Computer Graphics Forum*, 33 (2):225–233, May 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Amirkhanov:2014:HLD

[AFK+14] Artem Amirkhanov, Bernhard Fröhler, Johann Kastner, Eduard Gröller, and Christoph Heinzl. High level direct volume rendering: InSpectr: Multi-modal exploration, visualization, and analysis of spectral data. *Computer Graphics Forum*, 33 (3):91–100, June 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Afra:2012:IRT

[Áfr12] Attila T. Áfra. Interactive ray tracing of large models using voxel hierarchies. *Computer Graphics Forum*, 31(1):75–88, February 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Asafi:2013:SAW

[AGCO13] Shmuel Asafi, Avi Goren, and Daniel Cohen-Or. Shape analysis: Weak convex decomposition by lines-of-sight. *Computer Graphics Forum*, 32(5):23–31, August 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Auzinger:2012:ICP

[AGJ12] T. Auzinger, M. Guthe, and S. Jeschke. Image and color processing: Analytic anti-aliasing of linear functions on polytopes. *Computer Graphics Forum*, 31(2pt1):335–344, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Agethen:2019:PSP

[AGR19] Philipp Agethen, Felix Gaisbauer, and Enrico Rukzio. A probabilistic steering parameter model for deterministic motion planning algorithms. *Computer Graphics Forum*, 38(1):549–563, February 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Auer:2011:TBV

[AH11] C. Auer and I. Hotz. Topology-based visualization: Complete tensor field topology on 2D triangulated manifolds embedded in 3D. *Computer Graphics Forum*, 30(3):831–840, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Afzal:2019:SAV

[AHG+19] S. Afzal, M. M. Hittawe, S. Ghani, T. Jamil, O. Knio, M. Hadwiger, and I. Hoteit. The state of the art in visual analysis approaches for ocean and atmospheric datasets. *Computer Graphics Forum*, 38(3):881–907, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Andersson:2015:FSS

[AHMAM15] M. Andersson, J. Hasselgren, J. Munkberg, and T. Akenine-Möller. Filtered stochastic shadow mapping using a layered approach. *Computer Graphics Forum*, 34(8):119–129, December 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Aigner:2013:EES

[AHR13] W. Aigner, S. Hoffmann, and A. Rind. Evaluation: EvalBench: a software library for visualization evaluation. *Computer Graphics Forum*, 32(3pt1):41–50, June 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Andersson:2014:RAT

[AHTAM14] M. Andersson, J. Hasselgren, R. Toth, and T. Akenine-Möiler. Rendering: Adaptive texture space shading for stochastic rendering. *Computer Graphics Forum*, 33(2):341–350, May 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Akinci:2012:PSR

[AIAT12] G. Akinci, M. Ihmsen, N. Akinci, and M. Teschner. Parallel surface reconstruction for particle-based fluids. *Computer Graphics Forum*, 31(6):1797–1809, September 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Abbasinejad:2011:SSP

[AJA11] Fatemeh Abbasinejad, Pushkar Joshi, and Nina Amenta. Section 1: Surface patches from unorganized space curves. *Computer Graphics Forum*, 30(5):1379–1387, August 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Andrews:2011:LVS

[AJC11] James Andrews, Pushkar Joshi, and Nathan Carr. A linear variational system for modelling from curves. *Computer Graphics Forum*, 30(6):1850–1861, September 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Artusi:2011:RIS

[AJL+11] Alessandro Artusi, Morwena Joly, Geneviève Lucet, Alejandro Ribes, and Denis Pitzalis. Reports: 11th International Symposium on Virtual Reality, Archaology and Cultural Heritge: 8th Eurographics Workshop on Graphics and Cultural Heritage. *Computer Graphics Forum*, 30(1):233, March 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Akeley:2011:ITP

[Ake11] Kurt Akeley. Invited talks: Projection and parallax. *Computer Graphics Forum*, 30(2):xxi, April 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Averkiou:2016:ADE

[AKM16] Melinos Averkiou, Vladimir G. Kim, and Niloy J. Mitra. Autocorrelation descriptor for efficient co-alignment of 3D shape collections. *Computer Graphics Forum*, 35(1):261–271, February

2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Aigner:2011:BWR

[AKMM11] W. Aigner, C. Kainz, R. Ma, and S. Miksch. Bertin was right: an empirical evaluation of indexing to compare multivariate time-series data using line plots. *Computer Graphics Forum*, 30(1):215–228, March 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Amirkhanov:2019:BRM

[AKS+19] Aleksandr Amirkhanov, Ilona Kosiuk, Peter Szmolyan, Artem Amirkhanov, Gabriel Mistelbauer, M. Eduard Gröller, and Renata G. Raidou. Book review: *ManyLands: A Journey Across 4D Phase Space of Trajectories*. *Computer Graphics Forum*, 38 (7):191–202, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Alam:2015:GVQ

[AKV15] Md. Jawaherul Alam, Stephen G. Kobourov, and Sankar Veeramoni. Geospatial visualization: Quantitative measures for cartogram generation techniques. *Computer Graphics Forum*, 34 (3):351–360, June 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Averkiou:2014:SCF

[AKZM14] Melinos Averkiou, Vladimir G. Kim, Youyi Zheng, and Niloy J. Mitra. Shape collections, features: ShapeSynth: Parameterizing model collections for coupled shape exploration and synthesis. *Computer Graphics Forum*, 33(2):125–134, May 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Andrienko:2018:VVA

[ALA+18] N. Andrienko, T. Lammarsch, G. Andrienko, G. Fuchs, D. Keim, S. Miksch, and A. Rind. Viewing visual analytics as model building. *Computer Graphics Forum*, 37(6):275–299, September 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Aristidou:2018:IKT

[ALCS18] A. Aristidou, J. Lasenby, Y. Chrysanthou, and A. Shamir. Inverse kinematics techniques in computer graphics: A survey. *Computer Graphics Forum*, 37(6):35–58, September 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Alsallakh:2016:SAS

[AMA+16] Bilal Alsallakh, Luana Micallef, Wolfgang Aigner, Helwig Hauser, Silvia Miksch, and Peter Rodgers. The state-of-the-art of set visualization. *Computer Graphics Forum*, 35(1):234–260, February 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Andersson:2013:DDS

[AMAM13] M. Andersson, J. Munkberg, and T. Akenine-Möller. Depth and distance: Stochastic depth buffer compression using generalized plane encoding. *Computer Graphics Forum*, 32(2pt1):103–112, May 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Abdelkader:2017:TCR

[AMR+17] Ahmed Abdelkader, Ahmed H. Mahmoud, Ahmad A. Rushdi, Scott A. Mitchell, John D. Owens, and Mohamed S. Ebeida. Triangulations: a constrained resampling strategy for mesh improvement. *Computer Graphics Forum*, 36(5):189–201, August 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Adsul:2016:PVI

[AMS16] Bharat Adsul, Jinesh Machchhar, and Milind Sohoni. Parametrization and volumes: Incorporating sharp features in the general solid sweep framework. *Computer Graphics Forum*, 35(5):21–31, August 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Auer:2012:RTF

[AMT+12] S. Auer, C. B. Macdonald, M. Treib, J. Schneider, and R. Westermann. Real-time fluid effects on surfaces using the closest point method. *Computer Graphics Forum*, 31(6):1909–1923, September 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Akenine-Moller:2012:EDF

[AMTMH12] Tomas Akenine-Möller, Robert Toth, Jacob Munkberg, and Jon Hasselgren. Efficient depth of field rasterization using a tile test based on half-space culling. *Computer Graphics Forum*, 31(1): 3–a18, February 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Abdul-Massih:2017:MSR

[AMYB17] M. Abdul-Massih, I. Yoo, and B. Benes. Motion style retargeting to characters with different morphologies. *Computer Graphics Forum*, 36(6):86–99, September 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Andujar:2010:HTM

[And10] C. Andujar. Hardware: Topographic map visualization from adaptively compressed textures. *Computer Graphics Forum*, 29(3):1083–1092, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Andujar:2012:ACT

[And12] C. Andujar. Adaptive compression of texture pyramids. *Computer Graphics Forum*, 31(6):1973–1983, September 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2010:REG

[Ano10a] Anonymous. Reports: 31st EUROGRAPHICS General Assembly. *Computer Graphics Forum*, 29(8):2602–2607, December 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2010:RNE

[Ano10b] Anonymous. Reports: New EUROGRAPHICS Fellows. *Computer Graphics Forum*, 29(6):2005–2006, September 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2010:RRS

[Ano10c] Anonymous. Reports: Report of the Statutory Auditors to the General Meeting of the Members of Eurographics Association Geneva. *Computer Graphics Forum*, 29(8):2601, December 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2010:RR

[Ano10d] Anonymous. Reports: Reviewers. *Computer Graphics Forum*, 29(8):2608, December 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2011:IIIa

[Ano11a] Anonymous. Issue information: Issue information. *Computer Graphics Forum*, 30(1):i–ii, March 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2011:IIIb

[Ano11b] Anonymous. Issue information: Issue information. *Computer Graphics Forum*, 30(8):i–ii, December 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2011:REG

[Ano11c] Anonymous. Reports: 32nd EUROGRAPHICS General Assembly. *Computer Graphics Forum*, 30(8):2452–2456, December 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2011:RNE

[Ano11d] Anonymous. Reports: New EUROGRAPHICS Fellows. *Computer Graphics Forum*, 30(6):1862–1864, September 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2011:RRS

[Ano11e] Anonymous. Reports: Report of the Statutory Auditors to the General Meeting of the Members of Eurographics Association Geneva. *Computer Graphics Forum*, 30(6):1868, September 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2011:RR

[Ano11f] Anonymous. Reviewers: Reviewers. *Computer Graphics Forum*, 30(8):2459, December 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2012:IIIa

[Ano12a] Anonymous. Issue information: Issue information. *Computer Graphics Forum*, 31(1):i, February 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2012:IIIb

[Ano12b] Anonymous. Issue information: Issue information. *Computer Graphics Forum*, 31(6):i, September 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2012:IIIc

[Ano12c] Anonymous. Issue information: Issue information. *Computer Graphics Forum*, 31(8):i, December 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2012:REG

[Ano12d] Anonymous. Reports: 33rd EUROGRAPHICS General Assembly. *Computer Graphics Forum*, 31(6):1987–1991, September 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2012:RNE

[Ano12e] Anonymous. Reports: New EUROGRAPHICS Fellows. *Computer Graphics Forum*, 31(6):1984–1985, September 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2012:RRS

[Ano12f] Anonymous. Reports: Reports of the Statutory Auditors to the General Meeting of the Members of Eurographics Association, Geneva. *Computer Graphics Forum*, 31(6):1986, September 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2012:RR

[Ano12g] Anonymous. Reviewers: Reviewers. *Computer Graphics Forum*, 31(8):2567–2568, December 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2013:Ea

[Ano13a] Anonymous. Erratum. *Computer Graphics Forum*, 32(1):219, February 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2013:Eb

[Ano13b] Anonymous. Erratum. *Computer Graphics Forum*, 32(6):251, September 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2013:IIIa

[Ano13c] Anonymous. Issue information: Issue information. *Computer Graphics Forum*, 32(1):i–ii, February 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2013:IIIb

[Ano13d] Anonymous. Issue information: Issue information. *Computer Graphics Forum*, 32(6):i–ii, September 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2013:IIIc

[Ano13e] Anonymous. Issue information: Issue information. *Computer Graphics Forum*, 32(8):i–ii, December 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2013:REG

[Ano13f] Anonymous. Reports: 34th EUROGRAPHICS General Assembly. *Computer Graphics Forum*, 32(6):246–250, September 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2013:RNE

[Ano13g] Anonymous. Reports: New EUROGRAPHICS Fellows. *Computer Graphics Forum*, 32(6):243–244, September 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2013:RPN

[Ano13h] Anonymous. Reports: Publisher's note. *Computer Graphics Forum*, 32(1):218, February 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2013:RRS

[Ano13i] Anonymous. Reports: Report of the Statutory Auditors to the General Meeting of the Members of EUROGRAPHICS Association Geneva. *Computer Graphics Forum*, 32(6):245, September 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2013:RR

[Ano13j] Anonymous. Reviewers: Reviewers. *Computer Graphics Forum*, 32(8):271–272, December 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2014:IIa

[Ano14a] Anonymous. Issue information. *Computer Graphics Forum*, 33 (1):i–ii, February 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2014:IIb

[Ano14b] Anonymous. Issue information. *Computer Graphics Forum*, 33 (6):i–ii, September 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2014:IIc

[Ano14c] Anonymous. Issue information. *Computer Graphics Forum*, 33 (8):i–ii, December 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2014:RR

[Ano14d] Anonymous. Reviewers: Reviewers. *Computer Graphics Forum*, 33(8):189, December 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2015:AWI

[Ano15a] Anonymous. Award winners/invited talks: Frontmatter. *Computer Graphics Forum*, 34(2):i–xxiii, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2015:E

[Ano15b] Anonymous. Erratum. *Computer Graphics Forum*, 34(6):327, September 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2015:Fa

[Ano15c] Anonymous. Frontmatter. *Computer Graphics Forum*, 34(3): i–xiv, June 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2015:Fb

[Ano15d] Anonymous. Frontmatter. *Computer Graphics Forum*, 34(4): i–xi, July 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2015:Fc

[Ano15e] Anonymous. Frontmatter. *Computer Graphics Forum*, 34(5): i–x, August 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2015:F

[Ano15f] Anonymous. Frontmatter. *Computer Graphics Forum*, 34(7):i–xv, October 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2015:IIa

[Ano15g] Anonymous. Issue information. *Computer Graphics Forum*, 34 (1):i–ii, February 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2015:IIb

[Ano15h] Anonymous. Issue information. *Computer Graphics Forum*, 34 (6):i–ii, September 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2015:II

[Ano15i] Anonymous. Issue information. *Computer Graphics Forum*, 34 (8):i–ii, December 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2015:R

[Ano15j] Anonymous. Reviewers. *Computer Graphics Forum*, 34(8):167, December 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2016:FMa

[Ano16a] Anonymous. Front matter. *Computer Graphics Forum*, 35(2): i–xxi, May 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2016:FMb

[Ano16b] Anonymous. Front matter. *Computer Graphics Forum*, 35(2): xxii–xxvi, May 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2016:FMc

[Ano16c] Anonymous. Front matter. *Computer Graphics Forum*, 35(3): i–xiv, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2016:FMd

[Ano16d] Anonymous. Front matter. *Computer Graphics Forum*, 35(3): xv–xx, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2016:FMe

[Ano16e] Anonymous. Front matter. *Computer Graphics Forum*, 35(4): i–ix, July 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2016:FMf

[Ano16f] Anonymous. Front matter. *Computer Graphics Forum*, 35(5): i–ix, August 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2016:FM

[Ano16g] Anonymous. Front matter. *Computer Graphics Forum*, 35(7): i–xviii, October 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2016:IIa

[Ano16h] Anonymous. Issue information. *Computer Graphics Forum*, 35 (1):i–ii, February 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2016:IIb

[Ano16i] Anonymous. Issue information. *Computer Graphics Forum*, 35 (6):1–3, September 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2016:II

[Ano16j] Anonymous. Issue information. *Computer Graphics Forum*, 35 (8):1–3, December 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2016:IIT

[Ano16k] Anonymous. Issue information — TOC. *Computer Graphics Forum*, 35(1):1, February 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2016:RL

[Ano16l] Anonymous. Report: Lauren. *Computer Graphics Forum*, 35 (1):323–324, February 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2016:R

[Ano16m] Anonymous. Reviewers. *Computer Graphics Forum*, 35(8): 120–121, December 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2017:FMa

[Ano17a] Anonymous. Front matter. *Computer Graphics Forum*, 36(2): i–v, May 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2017:FMb

[Ano17b] Anonymous. Front matter. *Computer Graphics Forum*, 36(2): i–xvii, May 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2017:FMc

[Ano17c] Anonymous. Front matter. *Computer Graphics Forum*, 36(3): i–vi, June 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2017:FMd

[Ano17d] Anonymous. Front matter. *Computer Graphics Forum*, 36(3): i–xv, June 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2017:FMe

[Ano17e] Anonymous. Front matter. *Computer Graphics Forum*, 36(4): i–ix, July 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2017:FMf

[Ano17f] Anonymous. Front matter. *Computer Graphics Forum*, 36(5): i–x, August 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2017:FMg

[Ano17g] Anonymous. Front matter. *Computer Graphics Forum*, 36(7):i–xv, October 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2017:IIa

[Ano17h] Anonymous. Issue information. *Computer Graphics Forum*, 36 (1):1–4, January 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2017:IIb

[Ano17i] Anonymous. Issue information. *Computer Graphics Forum*, 36 (6):1–4, September 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2017:IIc

[Ano17j] Anonymous. Issue information. *Computer Graphics Forum*, 36 (8):1–5, December 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2017:R

[Ano17k] Anonymous. Reviewers. *Computer Graphics Forum*, 36(8): 712–713, December 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2018:FMa

[Ano18a] Anonymous. Front matter. *Computer Graphics Forum*, 37(2): i–xxi, May 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2018:FMb

[Ano18b] Anonymous. Front matter. *Computer Graphics Forum*, 37(2): i–v, May 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2018:FMc

[Ano18c] Anonymous. Front matter. *Computer Graphics Forum*, 37(3): i–xv, June 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2018:FMd

[Ano18d] Anonymous. Front matter. *Computer Graphics Forum*, 37(3): i–vi, June 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2018:FMe

[Ano18e] Anonymous. Front matter. *Computer Graphics Forum*, 37(4): i–vii, July 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2018:FMf

[Ano18f] Anonymous. Front matter. *Computer Graphics Forum*, 37(5): i–xi, August 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2018:FMg

[Ano18g] Anonymous. Front matter. *Computer Graphics Forum*, 37(7):i–xvi, October 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2018:FMh

[Ano18h] Anonymous. Front matter. *Computer Graphics Forum*, 37(8): i–vii, December 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2018:IIa

[Ano18i] Anonymous. Issue information. *Computer Graphics Forum*, 37 (1):1–4, February 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2018:IIb

[Ano18j] Anonymous. Issue information. *Computer Graphics Forum*, 37 (6):1–4, September 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2019:B

[Ano19a] Anonymous. Ballet. *Computer Graphics Forum*, 38(1):691–692, February 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2019:FMa

[Ano19b] Anonymous. Front matter. *Computer Graphics Forum*, 38(2): i–xix, May 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2019:FMb

[Ano19c] Anonymous. Front matter. *Computer Graphics Forum*, 38 (2):xx–xxiii, May 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2019:FMc

[Ano19d] Anonymous. Front matter. *Computer Graphics Forum*, 38(3): i–xvi, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2019:FMd

[Ano19e] Anonymous. Front matter. *Computer Graphics Forum*, 38(3): i–vi, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2019:FMe

[Ano19f] Anonymous. Front matter. *Computer Graphics Forum*, 38(4): i–vii, July 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2019:FMf

[Ano19g] Anonymous. Front matter. *Computer Graphics Forum*, 38(5): i–x, August 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2019:FMg

[Ano19h] Anonymous. Front matter. *Computer Graphics Forum*, 38(7):i–xix, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2019:FMh

[Ano19i] Anonymous. Front matter. *Computer Graphics Forum*, 38(8): i–ix, November 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2019:IIa

[Ano19j] Anonymous. Issue information. *Computer Graphics Forum*, 38 (1):1–4, February 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anonymous:2019:IIb

[Ano19k] Anonymous. Issue information. *Computer Graphics Forum*, 38 (6):1–4, September 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Azevedo:2013:ASE

[AO13] Vinicius C. Azevedo and Manuel M. Oliveira. Animation (session 2): Efficient smoke simulation on curvilinear grids. *Computer Graphics Forum*, 32(7):235–244, October 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

An:2010:CAH

[AP10a] Xiaobo An and Fabio Pellacini. Colour adjustment and halftoning: User-controllable color transfer. *Computer Graphics Forum*, 29(2):263–271, May 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Attene:2010:HSR

[AP10b] Marco Attene and Giuseppe Patanè. Hierarchical structure recovery of point-sampled surfaces. *Computer Graphics Forum*, 29(6):1905–1920, September 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anderson:2012:DEA

[APH+12] E. F. Anderson, C. E. Peters, J. Halloran, P. Every, J. Shuttleworth, F. Liarokapis, R. Lane, and M. Richards. In at the deep end: an activity-led introduction to first year creative computing. *Computer Graphics Forum*, 31(6):1852–1866, September 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Anderson:2011:EUS

[APM+11] E. W. Anderson, K. C. Potter, L. E. Matzen, J. F. Shepherd, G. A. Preston, and C. T. Silva. Evaluation: a user study of visualization effectiveness using EEG and cognitive load. *Computer Graphics Forum*, 30(3):791–800, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Archambault:2010:ERP

[APP10] Daniel Archambault, Helen C. Purchase, and Bruno Pinaud. Evaluation: The readability of path-preserving clusterings of graphs. *Computer Graphics Forum*, 29(3):1173–1182, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

AlBorno:2018:RPB

[ARB+18] Mazen Al Borno, Ludovic Righetti, Michael J. Black, Scott L. Delp, Eugene Fiume, and Javier Romero. Robust physics-based motion retargeting with realistic body shapes. *Computer Graphics Forum*, 37(8):81–92, December 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Avril:2016:CAA

[ARG+16] Quentin Avril, Sarah Ribet, Donya Ghafourzadeh, Olivier Dionne, Srinivasan Ramachandran, Martin de Lasa, Sahel Fallahdoust, and Eric Paquette. Character animation: Animation setup transfer for 3D characters. *Computer Graphics Forum*, 35(2):115–126, May 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Aigner:2012:TSD

[ARH12] W. Aigner, A. Rind, and S. Hoffmann. Time-series data: Comparative evaluation of an interactive time-series visualization that combines quantitative data with qualitative abstractions.

Computer Graphics Forum, 31(3pt2):995–1004, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Abdul-Rahman:2013:TRB

[ARLC+13] A. Abdul-Rahman, J. Lein, K. Coles, E. Maguire, M. Meyer, M. Wynne, C. R. Johnson, A. Trefethen, and M. Chen. Text: Rule-based visual mappings – with a case study on poetry visualization. *Computer Graphics Forum*, 32(3pt4):381–390, June 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Arpa:2015:PIC

[ARM+15] Sami Arpa, Tobias Ritschel, Karol Myszkowski, Tolga Çapın, and Hans-Peter Seidel. Purkinje images: Conveying different content for different luminance adaptations in a single image. *Computer Graphics Forum*, 34(1):116–126, February 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Abdul-Rahman:2017:CVA

[ARRO+17] A. Abdul-Rahman, G. Roe, M. Olsen, C. Gladstone, R. Whaling, N. Cronk, R. Morrissey, and M. Chen. Constructive visual analytics for text similarity detection. *Computer Graphics Forum*, 36(1):237–248, January 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Aboulhassan:2017:CVA

[ASB+17] A. Aboulhassan, R. Sicat, D. Baum, O. Wodo, and M. Hadwiger. Comparative visual analysis of structure-performance relations in complex bulk-heterojunction morphologies. *Computer Graphics Forum*, 36(3):329–339, June 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Arpa:2015:FHR

[ASH15] Sami Arpa, Sabine Süsstrunk, and Roger D. Hersch. Fabrication: High reliefs from 3D scenes. *Computer Graphics Forum*, 34(2):253–263, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Afra:2014:SMB

[ÁSK14] Attila T. Áfra and László Szirmay-Kalos. Stackless multi-BVH traversal for CPU, MIC and GPU ray tracing. *Computer*

Graphics Forum, 33(1):129–140, February 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Aberman:2019:DVB

[ASL+19] K. Aberman, M. Shi, J. Liao, D. Lischinski, B. Chen, and D. Cohen-Or. Deep video-based performance cloning. *Computer Graphics Forum*, 38(2):219–233, May 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ament:2014:RCI

[ASW14] Marco Ament, Filip Sadlo, and Daniel Weiskopf. Report: 2014 cover image: Supernova. *Computer Graphics Forum*, 33(1): 305–306, February 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Andrysco:2010:AMT

[AT10] Nathan Andrysco and Xavier Tricoche. Acceleration: Matrix trees. *Computer Graphics Forum*, 29(3):963–972, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Au:2010:SMM

[ATCO+10] Oscar Kin-Chung Au, Chiew-Lan Tai, Daniel Cohen-Or, Youyi Zheng, and Hongbo Fu. Shape matching and modeling: Electors voting for fast automatic shape correspondence. *Computer Graphics Forum*, 29(2):645–654, May 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Au:2012:IMU

[ATF12] Oscar Kin-Chung Au, Chiew-Lan Tai, and Hongbo Fu. Interactive modeling and user interfaces: Multitouch gestures for constrained transformation of 3D objects. *Computer Graphics Forum*, 31(2pt3):651–660, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Andrews:2017:GSR

[ATK17] Sheldon Andrews, Marek Teichmann, and Paul G. Kry. Geometric stiffness for real-time constrained multibody dynamics. *Computer Graphics Forum*, 36(2):235–246, May 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Alduan:2017:DVM

[ATO17] Iván Alduán, Angel Tena, and Miguel A. Otaduy. DYVERSO: a versatile multi-phase position-based fluids solution for VFX. *Computer Graphics Forum*, 36(8):32–44, December 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Attene:2015:SBD

[Att15] Marco Attene. Shapes in a box: Disassembling 3D objects for efficient packing and fabrication. *Computer Graphics Forum*, 34(8):64–76, December 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ando:2015:FFD

[ATW15] Ryoichi Ando, Nils Thürey, and Chris Wojtan. Fluids & flows: a dimension-reduced pressure solver for liquid simulations. *Computer Graphics Forum*, 34(2):473–480, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Azencot:2016:MAB

[AVBC16] Omri Azencot, Orestis Vantzos, and Mirela Ben-Chen. Mappings: Advection-based function matching on surfaces. *Computer Graphics Forum*, 35(5):55–64, August 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Azencot:2018:ESP

[AVBC18] Omri Azencot, Orestis Vantzos, and Mirela Ben-Chen. An explicit structure-preserving numerical scheme for EPDiff. *Computer Graphics Forum*, 37(5):107–119, August 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Agrawal:2010:IPR

[AVR10] Amit Agrawal, Ashok Veeraraghavan, and Ramesh Raskar. Images and photography: Reinterpretable imager: Towards variable post-capture space, angle and time resolution in photography. *Computer Graphics Forum*, 29(2):763–772, May 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Auer:2013:ASS

[AW13] S. Auer and R. Westermann. Animation (session 2): a semi-Lagrangian closest point method for deforming surfaces. *Computer Graphics Forum*, 32(7):207–214, October 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Assa:2010:VVD

[AWCO10] J. Assa, L. Wolf, and D. Cohen-Or. Video: The virtual director: a correlation-based online viewing of human motion. *Computer Graphics Forum*, 29(2):595–604, May 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Auzinger:2013:VAV

[AWJ13] T. Auzinger, M. Wimmer, and S. Jescke. Visibility: Analytic visibility on the GPU. *Computer Graphics Forum*, 32 (2pt4):409–418, May 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Adams:2010:MSM

[AWO+10] B. Adams, M. Wicke, M. Ovsjanikov, M. Wand, H.-P. Seidel, and L. J. Guibas. Meshless shape and motion design for multiple deformable objects. *Computer Graphics Forum*, 29(1):43–59, March 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Azencot:2014:SSF

[AWO+14] Omri Azencot, Steffen Weißmann, Maks Ovsjanikov, Max Wardetzky, and Mirela Ben-Chen. Surfaces and shells: Functional fluids on surfaces. *Computer Graphics Forum*, 33(5): 237–246, August 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

AlHalawani:2013:SCI

[AYLM13] Sawsan AlHalawani, Yong-Liang Yang, Han Liu, and Niloy J. Mitra. Shape construction: Interactive facades analysis and synthesis of semi-regular facades. *Computer Graphics Forum*, 32(2pt2):215–224, May 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

AlHalawani:2014:MWM

[AYWM14] Sawsan AlHalawani, Yong-Liang Yang, Peter Wonka, and Niloy J. Mitra. Matching: What makes London work like London? *Computer Graphics Forum*, 33(5):157–165, August 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bauer:2016:DVS

[BAA+16] A. C. Bauer, H. Abbasi, J. Ahrens, H. Childs, B. Geveci, S. Klasky, K. Moreland, P. O'Leary, V. Vishwanath, B. Whitlock, and E. W. Bethel. Distributed visualization: In situ methods, infrastructures, and applications on high performance computing platforms. *Computer Graphics Forum*, 35(3):577–597, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Barringer:2017:RAE

[BAAM17] R. Barringer, M. Andersson, and T. Akenine-Möller. Ray accelerator: Efficient and flexible ray tracing on a heterogeneous architecture. *Computer Graphics Forum*, 36(8):166–177, December 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bai:2013:SAP

[BAAR13] Jiamin Bai, Aseem Agarwala, Maneesh Agrawala, and Ravi Ramamoorthi. Simulated and augmented photography: Automatic cinemagraph portraits. *Computer Graphics Forum*, 32 (4):17–25, July 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bai:2014:VTU

[BAAR14] Jiamin Bai, Aseem Agarwala, Maneesh Agrawala, and Ravi Ramamoorthi. Video and textures: User-assisted video stabilization. *Computer Graphics Forum*, 33(4):61–70, July 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Burchett:2019:IVA

[BAO+19] J. N. Burchett, D. Abramov, J. Otto, C. Artanegara, J. X. Prochaska, and A. G. Forbes. IGM–Vis: Analyzing intergalactic and circumgalactic medium absorption using quasar sightlines in a cosmic Web context. *Computer Graphics Forum*, 38 (3):491–504, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Barakat:2011:VVF

[BAT11] S. Barakat, N. Andrysco, and X. Tricoche. Volume visualization: Fast extraction of high-quality crease surfaces for visual analysis. *Computer Graphics Forum*, 30(3):961–970, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Birklbauer:2012:LFR

[BB12a] C. Birklbauer and O. Bimber. Light fields and reflectance: Light-field retargeting. *Computer Graphics Forum*, 31(2pt1): 295–303, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Buchholz:2012:GIQ

[BB12b] Bert Buchholz and Tamy Boubekeur. Global illumination: Quantized point-based global illumination. *Computer Graphics Forum*, 31(4):1399–1405, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Birklbauer:2014:IPL

[BB14] C. Birklbauer and O. Bimber. Images I: Panorama light-field imaging. *Computer Graphics Forum*, 33(2):43–52, May 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Boughida:2017:ARN

[BB17] Malik Boughida and Tamy Boubekeur. Adding and removing noise: Bayesian collaborative denoising for Monte Carlo rendering. *Computer Graphics Forum*, 36(4):137–153, July 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bermano:2012:MSS

[BBAM12] Amit Bermano, Ilya Baran, Marc Alexa, and Wojciech Matusk. Making and shadowing: Shadow Pix: Multiple images from self shadowing. *Computer Graphics Forum*, 31(2pt3):593–602, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Behrendt:2018:EBF

[BBB+18] B. Behrendt, P. Berg, O. Beuing, B. Preim, and S. Saalfeld. Explorative blood flow visualization using dynamic line filtering based on surface features. *Computer Graphics Forum*, 37 (3):183–194, June 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Boyandin:2011:SDV

[BBBL11] Ilya Boyandin, Enrico Bertini, Peter Bak, and Denis Lalanne. Spatiotemporal data visualization: Flowstrates: An approach for visual exploration of temporal origin-destination data. *Computer Graphics Forum*, 30(3):971–980, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Birkeland:2012:IVI

[BBBV12] Å. Birkeland, S. Bruckner, A. Brambilla, and I. Viola. Illustrative visualization: Illustrative membrane clipping. *Computer Graphics Forum*, 31(3pt1):905–914, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bernhardt:2010:ISA

[BBCW10] Adrien Bernhardt, Loic Barthe, Marie-Paule Cani, and Brian Wyvill. Implicit surfaces and augmented reality: Implicit blending revisited. *Computer Graphics Forum*, 29(2):367–375, May 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Buchholz:2010:BSU

[BBDA10] Bert Buchholz, Tamy Boubekeur, Doug DeCarlo, and Marc Alexa. Binary shading using appearance and geometry. *Computer Graphics Forum*, 29(6):1981–1992, September 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Beck:2017:TSD

[BBDW17] Fabian Beck, Michael Burch, Stephan Diehl, and Daniel Weiskopf. A taxonomy and survey of dynamic graph visualization. *Computer Graphics Forum*, 36(1):133–159, January 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Berard:2019:PPS

[BBGB19] P. Bérard, D. Bradley, M. Gross, and T. Beeler. Practical person-specific eye rigging. *Computer Graphics Forum*, 38 (2):441–454, May 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Barak:2013:STC

[BBH13] T. Barák, J. Bittner, and V. Havran. Shadows: Temporally coherent adaptive sampling for imperfect shadow maps. *Computer Graphics Forum*, 32(4):87–96, July 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bermano:2017:MLL

[BBIG17] Amit H. Bermano, Markus Billeter, Daisuke Iwai, and Anselm Grundhöfer. Makeup lamps: Live augmentation of human faces via projection. *Computer Graphics Forum*, 36(2):311–323, May 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Behrisch:2018:QMI

[BBK+18] M. Behrisch, M. Blumenschein, N. W. Kim, L. Shao, M. El-Assady, J. Fuchs, D. Seebacher, A. Diehl, U. Brandes, H. Pfister, T. Schreck, D. Weiskopf, and D. A. Keim. Quality metrics for information visualization. *Computer Graphics Forum*, 37 (3):625–662, June 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Balashova:2019:LSB

[BBK+19] Elena Balashova, Amit H. Bermano, Vladimir G. Kim, Stephen DiVerdi, Aaron Hertzmann, and Thomas Funkhouser. Learning a stroke-based representation for fonts. *Computer Graphics Forum*, 38(1):429–442, February 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Boyandin:2012:TSD

[BBL12] Ilya Boyandin, Enrico Bertini, and Denis Lalanne. Time-series data: a qualitative study on the exploration of temporal changes in flow maps with animation and small-multiples. *Computer Graphics Forum*, 31(3pt2):1005–1014, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Busking:2010:NAS

[BBP10] Stef Busking, Charl P. Botha, and Frits H. Post. Navigating abstract spaces: Dynamic multi-view exploration of shape spaces. *Computer Graphics Forum*, 29(3):973–982, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Behrisch:2016:IVT

[BBR+16] Michael Behrisch, Benjamin Bach, Nathalie Henry Riche, Tobias Schreck, and Jean-Daniel Fekete. Information visualization techniques: Matrix reordering methods for table and network visualization. *Computer Graphics Forum*, 35(3):693–716, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Benard:2011:SAR

[BBT11] Pierre Bénard, Adrien Bousseau, and Joëlle Thollot. State-of-the-art report on temporal coherence for stylized animations. *Computer Graphics Forum*, 30(8):2367–2386, December 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bang:2015:CIR

[BCB+15] Seungbae Bang, Byungkuk Choi, Roger Blanco i Ribera, Meekyoung Kim, Sung-Hee Lee, and Junyong Noh. Characters: Interactive rigging with intuitive tools. *Computer Graphics Forum*, 34(7):123–132, October 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Biasotti:2016:RTA

[BCBB16] S. Biasotti, A. Cerri, A. Bronstein, and M. Bronstein. Recent trends, applications, and perspectives in 3D shape similarity assessment. *Computer Graphics Forum*, 35(6):87–119, September 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Boukhelifa:2013:EEV

[BCBL13] N. Boukhelifa, W. Cancino, A. Bezerianos, and E. Lutton. Evaluation: Evolutionary visual exploration: Evaluation with expert users. *Computer Graphics Forum*, 32(3pt1):31–40, June 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ben-Chen:2010:SDK

[BCBSG10] Mirela Ben-Chen, Adrian Butscher, Justin Solomon, and Leonidas Guibas. Symmetry: On discrete Killing vector fields and patterns on surfaces. *Computer Graphics Forum*, 29(5):1701–1711, July 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Banterle:2012:LMS

[BCCS12] Francesco Banterle, Massimiliano Corsini, Paolo Cignoni, and Roberto Scopigno. A low-memory, straightforward and fast bilateral filter through subsampling in spatial domain. *Computer Graphics Forum*, 31(1):19–32, February 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bezerianos:2010:GGS

[BCD+10] A. Bezerianos, F. Chevalier, P. Dragicevic, N. Elmqvist, and J. D. Fekete. Graphs: GraphDice: a system for exploring multivariate social networks. *Computer Graphics Forum*, 29 (3):863–872, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Borgo:2012:SAR

[BCD+12] R. Borgo, M. Chen, B. Daubney, E. Grundy, G. Heidemann, B. Höferlin, M. Höferlin, H. Leitte, D. Weiskopf, and X. Xie. State of the art report on video-based graphics and video visualization. *Computer Graphics Forum*, 31(8):2450–2477, December 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Banterle:2013:IPS

[BCD+13] Francesco Banterle, Marco Callieri, Matteo Dellepiane, Massimiliano Corsini, Fabio Pellacini, and Roberto Scopigno. Image processing (session 6): EnvyDepth: An interface for recovering local natural illumination from environment maps. *Computer Graphics Forum*, 32(7):411–420, October 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bonneel:2018:MSM

[BCGL18] Nicolas Bonneel, David Coeurjolly, Pierre Gueth, and Jacques-Olivier Lachaud. Mumford–Shah mesh processing using the Ambrosio–Tortorelli functional. *Computer Graphics Forum*, 37 (7):75–85, October 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Biasotti:2013:SAP

[BCGS13] S. Biasotti, A. Cerri, D. Giorgi, and M. Spagnuolo. Shape analysis: PHOG: Photometric and geometric functions for textured shape retrieval. *Computer Graphics Forum*, 32(5):13–22,

August 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

BlancoiRibera:2012:IEP

[BCK+12] Roger Blanco i Ribera, Sungwoo Choi, Younghui Kim, JungJin Lee, and Junyong Noh. Image editing and processing: Video panorama for 2D to 3D conversion. *Computer Graphics Forum*, 31(7pt2):2213–2222, September 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Baden:2018:MR

[BCK18] Alex Baden, Keenan Crane, and Misha Kazhdan. Möbius registration. *Computer Graphics Forum*, 37(5):211–220, August 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bickel:2018:SAS

[BCMP18] Bernd Bickel, Paolo Cignoni, Luigi Malomo, and Nico Pietroni. State of the art on stylized fabrication. *Computer Graphics Forum*, 37(6):325–342, September 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bando:2011:IEM

[BCN11a] Yosuke Bando, Bing-Yu Chen, and Tomoyuki Nishita. Image enhancement: Motion deblurring from a single image using circular sensor motion. *Computer Graphics Forum*, 30(7):1869–1878, September 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Brosz:2011:ODF

[BCN11b] John Brosz, Sheelagh Carpendale, and Miguel A. Nacenta. Overview & detail, Focus+Context visualization: The undistort lens. *Computer Graphics Forum*, 30(3):881–890, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bousseau:2011:RMO

[BCRA11] Adrien Bousseau, Emmanuelle Chapoulie, Ravi Ramamoorthi, and Maneesh Agrawala. Reflectance and materials: Optimizing environment maps for material depiction. *Computer Graphics Forum*, 30(4):1171–1180, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bousseau:2012:RSV

[BCRA12] Adrien Bousseau, Emmanuelle Chapoulie, Ravi Ramamoorthi, and Maneesh Agrawala. Reports: Shiny vase, translucent candle and metallic sculpture. *Computer Graphics Forum*, 31(1): 217–218, February 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bertails-Descoubes:2012:CCS

[BD12] Florence Bertails-Descoubes. Crowds, cloths, and shape deformation: Super-clothoids. *Computer Graphics Forum*, 31 (2pt2):509–518, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Billen:2016:SLS

[BD16] Niels Billen and Philip Dutré. Sampling: Line sampling for direct illumination. *Computer Graphics Forum*, 35(4):45–55, July 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bach:2017:DFT

[BDA+17] B. Bach, P. Dragicevic, D. Archambault, C. Hurter, and S. Carpendale. A descriptive framework for temporal data visualizations based on generalized space–time cubes. *Computer Graphics Forum*, 36(6):36–61, September 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bearzi:2018:WLF

[BDC18] Yohann Béarzi, Julie Digne, and Raphaëlle Chaine. Wavejets: a local frequency framework for shape details amplification. *Computer Graphics Forum*, 37(2):13–24, May 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Behrisch:2014:VAV

[BDF+14] Michael Behrisch, James Davey, Fabian Fischer, Olivier Thonnard, Tobias Schreck, Daniel Keim, and Jörn Kohlhammer. Visual analysis: Visual analysis of sets of heterogeneous matrices using projection-based distance functions and semantic zoom. *Computer Graphics Forum*, 33(3):411–420, June 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Boulch:2014:RPP

[BdM14] Alexandre Boulch, Martin de La Gorce, and Renaud Marlet. Reconstruction: Piecewise-planar 3D reconstruction with edge and corner regularization. *Computer Graphics Forum*, 33(5): 55–64, August 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bouaziz:2012:MSS

[BDS+12] Sofien Bouaziz, Mario Deuss, Yuliy Schwartzburg, Thibaut Weise, and Mark Pauly. Modeling: Shape-up: Shaping discrete geometry with projections. *Computer Graphics Forum*, 31(5): 1657–1667, August 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bauszat:2015:GIG

[BEEM15] Pablo Bauszat, Martin Eisemann, Elmar Eisemann, and Marcus Magnor. Global illumination: General and robust error estimation and reconstruction for Monte Carlo rendering. *Computer Graphics Forum*, 34(2):597–608, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Badam:2017:UEV

[BEF17] Sriram Karthik Badam, Niklas Elmqvist, and Jean-Daniel Fekete. UI elements and visualizations for supporting progressive visual analytics. *Computer Graphics Forum*, 36(3):491–502, June 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bauszat:2015:SBM

[BEJM15] P. Bauszat, M. Eisemann, S. John, and M. Magnor. Sample-based manifold filtering for interactive global illumination and depth of field. *Computer Graphics Forum*, 34(1):265–276, February 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Boscaini:2015:SMS

[BEKB15] Davide Boscaini, Davide Eynard, Drosos Kourounis, and Michael M. Bronstein. Shape manipulation: Shape-from-operator: Recovering shapes from intrinsic operators. *Computer Graphics Forum*, 34(2):265–274, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Billen:2013:VSP

[BELD13] Niels Billen, Björn Engelen, Ares Lagae, and Philip Dutré. Visibility/sampling: Probabilistic visibility evaluation for direct illumination. *Computer Graphics Forum*, 32(4):39–47, July 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bauszat:2011:AGI

[BEM11] Pablo Bauszat, Martin Eisemann, and Marcus Magnor. Accelerating global illumination: Guided image filtering for interactive high-quality global illumination. *Computer Graphics Forum*, 30(4):1361–1368, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bussler:2015:VRP

[BES15] M. Bußler, T. Ertl, and F. Sadlo. Volume rendering: Photoelasticity raycasting. *Computer Graphics Forum*, 34(3):141–150, June 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bender:2014:ISR

[BET14] Jan Bender, Kenny Erleben, and Jeff Trinkle. Interactive simulation of rigid body dynamics in computer graphics. *Computer Graphics Forum*, 33(1):246–270, February 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Belyaev:2015:VPB

[BF15] Alexander G. Belyaev and Pierre-Alain Fayolle. On variational and PDE-based distance function approximations. *Computer Graphics Forum*, 34(8):104–118, December 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bogl:2017:CPR

[BFG+17] M. Bögl, P. Filzmoser, T. Gschwandtner, T. Lammarsch, R. A. Leite, S. Miksch, and A. Rind. Cycle plot revisited: Multivariate outlier detection using a distance-based abstraction. *Computer Graphics Forum*, 36(3):227–238, June 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bermano:2017:SAM

[BFR17] Amit H. Bermano, Thomas Funkhouser, and Szymon Rusinkiewicz. State of the art in methods and representations for fabrication-aware design. *Computer Graphics Forum*, 36(2):509–535, May 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Baer:2011:EPE

[BGCP11] Alexandra Baer, Rocco Gasteiger, Douglas Cunningham, and Bernhard Preim. Evaluation: Perceptual evaluation of ghosted view techniques for the exploration of vascular structures and embedded flow. *Computer Graphics Forum*, 30(3):811–820, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Boye:2010:GLS

[BGS10] S. Boyé, G. Guennebaud, and C. Schlick. Geometry I: Least squares subdivision surfaces. *Computer Graphics Forum*, 29(7): 2021–2028, September 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bubnik:2015:AHL

[BH15] V. Bubník and V. Havran. Agile hardware: Light chisel: 6DOF pen tracking. *Computer Graphics Forum*, 34(2):325–336, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Battle:2019:CEV

[BH19] Leilani Battle and Jeffrey Heer. Characterizing exploratory visual analysis: a literature review and evaluation of analytic provenance in Tableau. *Computer Graphics Forum*, 38(3):145–159, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bittner:2013:FIB

[BHH13] Jiří Bittner, Michal Hapala, and Vlastimil Havran. Fast insertion-based optimization of bounding volume hierarchies. *Computer Graphics Forum*, 32(1):85–100, February 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Boulch:2013:SAS

[BHMT13] A. Boulch, S. Houllier, R. Marlet, and O. Tournaire. Shape analysis: Semantizing complex 3D scenes using constrained attribute grammars. *Computer Graphics Forum*, 32(5):33–42,

August 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Beyer:2015:SAG

[BHP15] Johanna Beyer, Markus Hadwiger, and Hanspeter Pfister. State-of-the-art in GPU-based large-scale volume visualization. *Computer Graphics Forum*, 34(8):13–37, December 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bae:2017:UIC

[BHR17] Juhee Bae, Tove Helldin, and Maria Riveiro. Understanding indirect causal relationships in node-link graphs. *Computer Graphics Forum*, 36(3):411–421, June 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bernard:2019:VIP

[BHR+19] Jürgen Bernard, Marco Hutter, Heiko Reinemuth, Hendrik Pfeifer, Christian Bors, and Jörn Kohlhammer. Visual-interactive preprocessing of multivariate time series data. *Computer Graphics Forum*, 38(3):401–412, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bach:2015:BVS

[BHRD+15] B. Bach, N. Henry-Riche, T. Dwyer, T. Madhyastha, J-D. Fekete, and T. Grabowski. Biomedical visualization: Small MultiPiles: Piling time to explore temporal patterns in dynamic networks. *Computer Graphics Forum*, 34(3):31–40, June 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Berkiten:2017:LDT

[BHS+17] Sema Berkiten, Maciej Halber, Justin Solomon, Chongyang Ma, Hao Li, and Szymon Rusinkiewicz. Learning detail transfer based on geometric features. *Computer Graphics Forum*, 36 (2):361–373, May 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Baker:2019:EIQ

[BHT19] A. H. Baker, D. M. Hammerling, and T. L. Turton. Evaluating image quality measures to assess the impact of lossy data compression applied to climate simulation data. *Computer Graphics*

Forum, 38(3):517–528, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Burkhart:2010:AFP

[BHU10a] D. Burkhart, B. Hamann, and G. Umlauf. Adaptive and feature-preserving subdivision for high-quality tetrahedral meshes. *Computer Graphics Forum*, 29(1):117–127, March 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Burkhart:2010:FDO

[BHU10b] D. Burkhart, B. Hamann, and G. Umlauf. FEM and differential operators: Iso-geometric finite element analysis based on Catmull–Clark subdivision solids. *Computer Graphics Forum*, 29(5):1575–1584, July 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bie:2011:IVE

[BHW11] Xiaohui Bie, Haoda Huang, and Wencheng Wang. Image & video editing: Real time edit propagation by efficient sampling. *Computer Graphics Forum*, 30(7):2041–2048, September 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Burch:2017:VST

[BHW17] M. Burch, M. Hlawatsch, and D. Weiskopf. Visualizing a sequence of a thousand graphs (or even more). *Computer Graphics Forum*, 36(3):261–271, June 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bikker:2012:IDL

[Bik12] J. Bikker. Improving data locality for efficient in-core path tracing. *Computer Graphics Forum*, 31(6):1936–1947, September 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bertholet:2018:TCM

[BIZ18] P. Bertholet, A. E. Ichim, and M. Zwicker. Temporally consistent motion segmentation from RGB-D video. *Computer Graphics Forum*, 37(6):118–134, September 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Buchmuller:2015:TVA

[BJA+15] J. Buchmüller, H. Janetzko, G. Andrienko, N. Andrienko, G. Fuchs, and D. A. Keim. Traffic: Visual analytics for exploring local impact of air traffic. *Computer Graphics Forum*, 34(3):181–190, June 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bhatia:2018:IIT

[BJB+18] H. Bhatia, N. Jain, A. Bhatele, Y. Livnat, J. Domke, V. Pascucci, and P.-T. Bremer. Interactive investigation of traffic congestion on fat-tree networks using Tree Scope. *Computer Graphics Forum*, 37(3):561–572, June 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Brandt:2019:VAP

[BJFadH19] Sascha Brandt, Claudius Jähn, Matthias Fischer, and Friedhelm Meyer auf der Heide. Visibility-aware progressive farthest point sampling on the GPU. *Computer Graphics Forum*, 38(7): 413–424, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Byska:2015:BVM

[BJG+15] J. Byška, A. Jurčík, M. E. Gröller, I. Viola, and B. Kozlíková. Biomedical visualization: MoleCollar and tunnel heat map visualizations for conveying spatio-temporo-chemical properties across and along protein voids. *Computer Graphics Forum*, 34(3):1–10, June 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Baran:2012:MSM

[BKB+12] Ilya Baran, Philipp Keller, Derek Bradley, Stelian Coros, Wojciech Jarosz, Derek Nowrouzezahrai, and Markus Gross. Making and shadowing: Manufacturing layered attenuators for multiple prescribed shadow images. *Computer Graphics Forum*, 31 (2pt3):603–610, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Benes:2017:RAP

[BKD+17] J. Beneš, T. Kelly, F. Děchtěrenko, J. Křivánek, and P. Müller. On realism of architectural procedural models. *Computer Graphics Forum*, 36(2):225–234, May 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bemana:2019:LPI

[BKM+19] M. Bemana, J. Keinert, K. Myszkowski, M. Bätz, M. Ziegler, H.-P. Seidel, and T. Ritschel. Learning to predict image-based rendering artifacts with respect to a hidden reference image. *Computer Graphics Forum*, 38(7):579–589, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bonneel:2017:IDI

[BKPB17] Nicolas Bonneel, Balazs Kovacs, Sylvain Paris, and Kavita Bala. Intrinsic decompositions for image editing. *Computer Graphics Forum*, 36(2):593–609, May 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Blascheck:2017:VET

[BKR+17] T. Blascheck, K. Kurzhals, M. Raschke, M. Burch, D. Weiskopf, and T. Ertl. Visualization of eye tracking data: a taxonomy and survey. *Computer Graphics Forum*, 36(8):260–284, December 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Burch:2013:STA

[BKW13] Michael Burch, Andreas Kull, and Daniel Weiskopf. Space and time: AOI rivers for visualizing dynamic eye gaze frequencies. *Computer Graphics Forum*, 32(3pt3):281–290, June 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bazin:2016:IVP

[BKY+16] J.-C. Bazin, C. Plüss (Kuster), G. Yu, T. Martin, A. Jacobson, and M. Gross. Images and video: Physically based video editing. *Computer Graphics Forum*, 35(7):421–429, October 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bukenberger:2018:HQM

[BL18] Dennis R. Bukenberger and Hendrik P. A. Lensch. Hierarchical quad meshing of 3D scanned surfaces. *Computer Graphics Forum*, 37(5):135–145, August 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Baert:2014:CCS

[BLD14a] J. Baert, A. Lagae, and Ph. Dutré. Out-of-core construction of sparse voxel octrees. *Computer Graphics Forum*, 33(6):220–227, September 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Billen:2014:VPV

[BLD14b] Niels Billen, Ares Lagae, and Philip Dutré. Visibility: Probabilistic visibility evaluation using geometry proxies. *Computer Graphics Forum*, 33(4):143–152, July 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bommes:2011:MPS

[BLK11] David Bommes, Timm Lempfer, and Leif Kobbelt. Mesh processing and surface reconstruction: Global structure optimization of quadrilateral meshes. *Computer Graphics Forum*, 30 (2):375–384, April 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Baran:2010:SMM

[BLP10] Ilya Baran, Jaakko Lehtinen, and Jovan Popović. Shape matching and modeling: Sketching clothoid splines using shortest paths. *Computer Graphics Forum*, 29(2):655–664, May 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bommes:2013:QMG

[BLP+13] David Bommes, Bruno Lévy, Nico Pietroni, Enrico Puppo, Claudio Silva, Marco Tarini, and Denis Zorin. Quad-mesh generation and processing: a survey. *Computer Graphics Forum*, 32(6):51–76, September 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bo:2017:FDP

[BLS+17] Z. Bo, L. Lu, A. Sharf, Y. Xia, O. Deussen, and B. Chen. Fabrication and design: Printable 3D trees. *Computer Graphics Forum*, 36(7):29–40, October 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Budninskiy:2017:SKS

[BLTD17] Max Budninskiy, Beibei Liu, Yiying Tong, and Mathieu Desbrun. Spectra and kernels: Spectral affine-kernel embeddings.

Computer Graphics Forum, 36(5):117–129, August 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Benard:2010:DNP

[BLV+10] P. Bénard, A. Lagae, P. Vangorp, S. Lefebvre, G. Drettakis, and J. Thollot. A dynamic noise primitive for coherent stylization. *Computer Graphics Forum*, 29(4):1497–1506, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Benhabiles:2011:LBE

[BLVD11] Halim Benhabiles, Guillaume Lavoué, Jean-Philippe Vandeborre, and Mohamed Daoudi. Learning boundary edges for 3D-mesh segmentation. *Computer Graphics Forum*, 30(8):2170–2182, December 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bowers:2011:RTR

[BLW11] John C. Bowers, Jonathan Leahey, and Rui Wang. Ray tracing and real-time rendering: a ray tracing approach to diffusion curves. *Computer Graphics Forum*, 30(4):1345–1352, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Barlowe:2011:BDV

[BLY+11] Scott Barlowe, Yujie Liu, Jing Yang, Dennis R. Livesay, Donald J. Jacobs, James Mottonen, and Deeptak Verma. Biological data visualization: WaveMap: Interactively discovering features from protein flexibility matrices using wavelet-based visual analytics. *Computer Graphics Forum*, 30(3):1001–1010, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bruckner:2010:VVI

[BM10] Stefan Bruckner and Torsten Möller. Volume visualization: Isosurface similarity maps. *Computer Graphics Forum*, 29(3):773–782, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Boulch:2012:PSF

[BM12] Alexandre Boulch and Renaud Marlet. Point sets: Fast and robust normal estimation for point clouds with sharp features. *Computer Graphics Forum*, 31(5):1765–1774, August 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bittner:2015:RTR

[BM15] J. Bittner and D. Meister. Real-time rendering & quantization: T-SAH: Animation optimized bounding volume hierarchies. *Computer Graphics Forum*, 34(2):527–536, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Boulch:2016:DPD

[BM16] Alexandre Boulch and Renaud Marlet. Differential properties: Deep learning for robust normal estimation in unstructured point clouds. *Computer Graphics Forum*, 35(5):281–290, August 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bus:2015:GII

[BMB15a] N. Bus, N. H. Mustafa, and V. Biri. Global illumination: IlluminationCut. *Computer Graphics Forum*, 34(2):561–573, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bus:2015:GIU

[BMB15b] N. Bus, N. H. Mustafa, and V. Biri. Global illumination using well-separated pair decomposition. *Computer Graphics Forum*, 34(8):88–103, December 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Borgo:2018:IVE

[BMB+18] R. Borgo, L. Micallef, B. Bach, F. McGee, and B. Lee. Information visualization evaluation using crowdsourcing. *Computer Graphics Forum*, 37(3):573–595, June 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bako:2019:ODI

[BMDS19] Steve Bako, Mark Meyer, Tony DeRose, and Pradeep Sen. Offline deep importance sampling for Monte Carlo path tracing. *Computer Graphics Forum*, 38(7):527–542, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bak:2012:GVS

[BMH+12] P. Bak, M. Marder, S. Harary, A. Yaeli, and H. J. Ship. Geospatial visualization: Scalable detection of spatiotemporal encounters in historical movement data. *Computer Graphics Forum*, 31(3pt1):915–924, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Boscaini:2015:DSS

[BMM+15] D. Boscaini, J. Masci, S. Melzi, M. M. Bronstein, U. Castellani, and P. Vandergheynst. Descriptors and shape synthesis: Learning class-specific descriptors for deformable shapes using localized spectral convolutional networks. *Computer Graphics Forum*, 34(5):13–23, August 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bender:2014:SPB

[BMO+14] Jan Bender, Matthias Müller, Miguel A. Otaduy, Matthias Teschner, and Miles Macklin. A survey on position-based simulation methods in computer graphics. *Computer Graphics Forum*, 33(6):228–251, September 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Booshehrian:2012:VDS

[BMPM12] Maryam Booshehrian, Torsten Möller, Randall M. Peterman, and Tamara Munzner. Visualization for decision support: Vismon: Facilitating analysis of trade-offs, uncertainty, and sensitivity in fisheries management decision making. *Computer Graphics Forum*, 31(3pt3):1235–1244, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Boscaini:2016:GMA

[BMR+16] D. Boscaini, J. Masci, E. Rodolà, M. M. Bronstein, and D. Cremers. Geometric modeling: Anisotropic diffusion descriptors. *Computer Graphics Forum*, 35(2):431–441, May 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Butkiewicz:2010:SCA

[BMS+10] Thomas Butkiewicz, Ross K. Meentemeyer, Douglas A. Shoemaker, Remco Chang, Zachary Wartell, and William Ribarsky. Space & color: Alleviating the modifiable areal unit problem within probe-based geospatial analyses. *Computer Graphics*

Forum, 29(3):923–932, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bowles:2012:IVR

[BMS+12] Huw Bowles, Kenny Mitchell, Robert W. Sumner, Jeremy Moore, and Markus Gross. Image & video retargeting: Iterative image warping. *Computer Graphics Forum*, 31(2pt1):237–246, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Birsak:2014:MNA

[BMWW14] Michael Birsak, Przemysław Musialski, Peter Wonka, and Michael Wimmer. Men and nature: Automatic generation of tourist brochures. *Computer Graphics Forum*, 33(2):449–458, May 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bruneton:2012:MMR

[BN12] Eric Bruneton and Fabrice Neyret. Massive models: Real-time realistic rendering and lighting of forests. *Computer Graphics Forum*, 31(2pt1):373–382, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bruneton:2010:RRT

[BNH10] Eric Bruneton, Fabrice Neyret, and Nicolas Holzschuch. Rendering I: Real-time realistic ocean lighting using seamless transitions from geometry to BRDF. *Computer Graphics Forum*, 29(2):487–496, May 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Blumer:2016:RRR

[BNH+16] Adrian Blumer, Jan Novák, Ralf Habel, Derek Nowrouzezahrai, and Wojciech Jarosz. Realistic rendering: Reduced aggregate scattering operators for path tracing. *Computer Graphics Forum*, 35(7):461–473, October 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bitterli:2015:SPM

[BNJ15] Benedikt Bitterli, Jan Novák, and Wojciech Jarosz. Shadows: Portal-masked environment map sampling. *Computer Graphics Forum*, 34(4):13–19, July 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bekos:2019:ELT

[BNN19] Michael A. Bekos, Benjamin Niedermann, and Martin Nöllenburg. External labeling techniques: a taxonomy and survey. *Computer Graphics Forum*, 38(3):833–860, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Brandes:2013:ITG

[BNRS13] Ulrik Brandes, Bobo Nick, Brigitte Rockstroh, and Astrid Steffen. InfoVis techniques: Gestaltlines. *Computer Graphics Forum*, 32(3pt2):171–180, June 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Backes:2019:PBA

[BO19] Marcos H. Backes and Manuel M. Oliveira. A PatchMatch-based approach for matte propagation in videos. *Computer Graphics Forum*, 38(7):651–662, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Birklbauer:2013:RRG

[BOB13] C. Birklbauer, S. Opelt, and O. Bimber. Rendering: Rendering gigaray light fields. *Computer Graphics Forum*, 32(2pt4):469–478, May 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bilgili:2011:GBR

[BÖK11] Ahmet Bilgili, Aydn Öztürk, and Murat Kurt. A general BRDF representation based on tensor decomposition. *Computer Graphics Forum*, 30(8):2427–2439, December 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Besuievsky:2013:CLP

[BP13] Gonzalo Besuievsky and Gustavo Patow. Customizable LoD for procedural architecture. *Computer Graphics Forum*, 32(8):26–34, December 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bruneau:2017:EEA

[BP17] J. Bruneau and J. Pettré. EACS: Effective avoidance combination strategy. *Computer Graphics Forum*, 36(8):108–122, December 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bosch:2019:CIB

[BP19] Carles Bosch and Gustavo Patow. Controllable image-based transfer of flow phenomena. *Computer Graphics Forum*, 38(1): 274–285, February 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Beacco:2016:SRT

[BPA16] A. Beacco, N. Pelechano, and C. Andújar. A survey of real-time crowd rendering. *Computer Graphics Forum*, 35(8):32–50, December 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Berger:2011:PSA

[BPFG11] W. Berger, H. Piringer, P. Filzmoser, and E. Gröller. Parameter spaces and analysis: Uncertainty-aware exploration of continuous parameter spaces using multivariate prediction. *Computer Graphics Forum*, 30(3):911–920, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bhatia:2014:FVE

[BPKB14] H. Bhatia, V. Pascucci, R. M. Kirby, and P.-T. Bremer. Flow visualization: Extracting features from time-dependent vector fields using internal reference frames. *Computer Graphics Forum*, 33(3):21–30, June 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Barla:2018:CBM

[BPV18] P. Barla, R. Pacanowski, and P. Vangorp. A composite BRDF model for hazy gloss. *Computer Graphics Forum*, 37(4):55–66, July 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Benjamin:2011:MSP

[BPVR11] William Benjamin, Andrew Wood Polk, S. V. N. Vishwanathan, and Karthik Ramani. Mesh segmentation & processing: Heat walk: Robust salient segmentation of non-rigid shapes. *Computer Graphics Forum*, 30(7):2097–2106, September 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Barton:2014:GAR

[BPW14] M. Bartoň, H. Pottmann, and J. Wallner. Geometry acquisition, reconstruction and analysis: Detection and reconstruction of freeform sweeps. *Computer Graphics Forum*, 33(2):23–32, May 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bennett:2016:VAP

[BPY16] H. Bennett, E. Papadopoulou, and C. Yap. Voronoi et al.: Planar minimization diagrams via subdivision with applications to anisotropic Voronoi diagrams. *Computer Graphics Forum*, 35(5):229–247, August 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bramon:2013:FIT

[BRB+13] R. Bramon, M. Ruiz, A. Bardera, I. Boada, M. Feixas, and M. Sbert. Foundations: an information-theoretic observation channel for volume visualization. *Computer Graphics Forum*, 32(3pt4):411–420, June 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bashford-Rogers:2012:SCA

[BRDC12] Thomas Bashford-Rogers, Kurt Debattista, and Alan Chalmers. A significance cache for accelerating global illumination. *Computer Graphics Forum*, 31(6):1837–1851, September 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Beecham:2016:CVI

[BRM+16a] R. Beecham, C. Rooney, S. Meier, J. Dykes, A. Slingsby, C. Turkay, J. Wood, and B. L. W. Wong. Coordinated views and interaction design: Faceted views of varying emphasis (FaVVEs): a framework for visualising multi-perspective small multiples. *Computer Graphics Forum*, 35(3):241–249, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bitterli:2016:FRN

[BRM+16b] Benedikt Bitterli, Fabrice Rousselle, Bochang Moon, José A. Iglesias-Guitián, David Adler, Kenny Mitchell, Wojciech Jarosz, and Jan Novák. Faster rendering: Nonlinearly weighted first-order regression for denoising Monte Carlo renderings.

Computer Graphics Forum, 35(4):107–117, July 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bruckner:2011:AWE

[Bru11] Stefan Bruckner. Award winners: Eurographics Young researcher award. *Computer Graphics Forum*, 30(2):xix, April 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bruckner:2019:DVD

[Bru19] Stefan Bruckner. Dynamic visibility-driven molecular surfaces. *Computer Graphics Forum*, 38(2):317–329, May 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Birsak:2018:SAT

[BRWM18] Michael Birsak, Florian Rist, Peter Wonka, and Przemyslaw Musialski. String art: Towards computational fabrication of string images. *Computer Graphics Forum*, 37(2):263–274, May 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Berger:2012:CGG

[BS12a] Matthew Berger and Claudio T. Silva. Computational geometry and geometry processing: Medial kernels. *Computer Graphics Forum*, 31(2pt4):795–804, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Berger:2012:CNM

[BS12b] Matthew Berger and Claudio T. Silva. Correspondence: Nonrigid matching of undersampled shapes via medial diffusion. *Computer Graphics Forum*, 31(5):1587–1596, August 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Barrielle:2019:RPD

[BS19] V. Barrielle and N. Stoiber. Realtime performance-driven physical simulation for facial animation. *Computer Graphics Forum*, 38(1):151–166, February 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Beacco:2011:FAO

[BSAP11] A. Beacco, B. Spanlang, C. Andujar, and N. Pelechano. A flexible approach for output-sensitive rendering of animated characters. *Computer Graphics Forum*, 30(8):2328–2340, December 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Blascheck:2017:VCE

[BSBE17] Tanja Blascheck, Markus Schweizer, Fabian Beck, and Thomas Ertl. Visual comparison of eye movement patterns. *Computer Graphics Forum*, 36(3):87–97, June 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Barrielle:2016:FMB

[BSC16] Vincent Barrielle, Nicolas Stoiber, and Cédric Cagniart. Faces & motion: BlendForces: a dynamic framework for facial animation. *Computer Graphics Forum*, 35(2):341–352, May 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bobenrieth:2018:RFS

[BSCH18] Cédric Bobenrieth, Hyewon Seo, Frédéric Cordier, and Arash Habibi. Reconstructing flowers from sketches. *Computer Graphics Forum*, 37(7):167–178, October 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Brandt:2017:SPT

[BSEH17] Christopher Brandt, Leonardo Scandolo, Elmar Eisemann, and Klaus Hildebrandt. Spectral processing of tangential vector fields. *Computer Graphics Forum*, 36(6):338–353, September 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bagher:2012:MAA

[BSH12] M. M. Bagher, C. Soler, and N. Holzschuch. Material appearance: Accurate fitting of measured reflectances using a shifted Gamma micro-facet distribution. *Computer Graphics Forum*, 31(4):1509–1518, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Brandt:2015:SMO

[BSH15] Christopher Brandt, Hans-Peter Seidel, and Klaus Hildebrandt. Splines & meshes: Optimal spline approximation via ℓ_0-minimization. *Computer Graphics Forum*, 34(2):617–626, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Barton:2013:SMC

[BSK+13] M. Bartoň, L. Shi, M. Kilian, J. Wallner, and H. Pottmann. Shape modeling: Circular arc snakes and kinematic surface generation. *Computer Graphics Forum*, 32(2pt1):1–10, May 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Barnett:2016:CCS

[BSK16] Adam Barnett, Hubert P. H. Shum, and Taku Komura. Coordinated crowd simulation with topological scene analysis. *Computer Graphics Forum*, 35(6):120–132, September 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bock:2017:VBA

[BSK+17] Alexander Bock, Åsa Svensson, Alexander Kleiner, Jonas Lundberg, and Timo Ropinski. A visualization-based analysis system for urban search & rescue mission planning support. *Computer Graphics Forum*, 36(6):148–159, September 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bukenberger:2018:SCC

[BSL18] Dennis R. Bukenberger, Katharina Schwarz, and Hendrik P. A. Lensch. Stereo-consistent contours in object space. *Computer Graphics Forum*, 37(1):301–312, February 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Benes:2011:PMG

[BŠMM11] B. Beneš, O. Šťava, R. Měch, and G. Miller. Procedural modelling: Guided procedural modeling. *Computer Graphics Forum*, 30(2):325–334, April 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bagar:2010:SRL

[BSW10] Florian Bagar, Daniel Scherzer, and Michael Wimmer. Scattering and refraction: a layered particle-based fluid model for real-time rendering of water. *Computer Graphics Forum*, 29(4):1383–1389, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bachthaler:2012:TMF

[BSW+12] Sven Bachthaler, Filip Sadlo, Rudolf Weeber, Sofia Kantorovich, Christian Holm, and Daniel Weiskopf. Topology: Magnetic flux topology of 2D point dipoles. *Computer Graphics Forum*, 31(3pt1):955–964, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bernard:2014:DRV

[BSW+14] Jürgen Bernard, Martin Steiger, Sven Widmer, Hendrik Lücke-Tieke, Thorsten May, and Jörn Kohlhammer. Data relationships: Visual-interactive exploration of interesting multivariate relations in mixed research data sets. *Computer Graphics Forum*, 33(3):291–300, June 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Besancon:2019:HTT

[BSY+19] Lonni Besançon, Mickael Sereno, Lingyun Yu, Mehdi Ammi, and Tobias Isenberg. Hybrid touch/tangible spatial 3D data selection. *Computer Graphics Forum*, 38(3):553–567, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Broeksema:2013:VAM

[BTB13] Bertjan Broeksema, Alexandru C. Telea, and Thomas Baudel. Visual analysis of multi-dimensional categorical data sets. *Computer Graphics Forum*, 32(8):158–169, December 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Byska:2019:ALM

[BTM+19] J. Byška, T. Trautner, S. M. Marques, J. Damborský, B. Kozlíková, and M. Waldner. Analysis of long molecular dynamics simulations using interactive focus+context visualization. *Computer Graphics Forum*, 38(3):441–453, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bouaziz:2013:FAS

[BTP13] Sofien Bouaziz, Andrea Tagliasacchi, and Mark Pauly. Fitting and approximation: Sparse iterative closest point. *Computer Graphics Forum*, 32(5):113–123, August 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Berger:2017:SSR

[BTS+17a] Matthew Berger, Andrea Tagliasacchi, Lee M. Seversky, Pierre Alliez, Gaël Guennebaud, Joshua A. Levine, Andrei Sharf, and Claudio T. Silva. A survey of surface reconstruction from point clouds. *Computer Graphics Forum*, 36(1):301–329, January 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bonneel:2017:DML

[BTS+17b] Nicolas Bonneel, James Tompkin, Deqing Sun, Oliver Wang, Kalyan Sunkavalli, Sylvain Paris, and Hanspeter Pfister. Depth to motion, lens and filters: Consistent video filtering for camera arrays. *Computer Graphics Forum*, 36(2):397–407, May 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bharaj:2012:AAR

[BTST12] Gaurav Bharaj, Thorsten Thormählen, Hans-Peter Seidel, and Christian Theobalt. Animation: Automatically rigging multi-component characters. *Computer Graphics Forum*, 31(2pt4): 755–764, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Boehs:2019:SIL

[BV19] G. E. Boehs and M. L. H. Vieira. Style invariant locomotion classification for character control. *Computer Graphics Forum*, 38(1):537–548, February 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bremm:2011:PSA

[BvLBS11] Sebastian Bremm, Tatiana von Landesberger, Jürgen Bernard, and Tobias Schreck. Parameter spaces and analysis: Assisted descriptor selection based on visual comparative data analysis. *Computer Graphics Forum*, 30(3):891–900, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Brandt:2016:CSG

[BvTH16] Christopher Brandt, Christoph von Tycowicz, and Klaus Hildebrandt. Curves & surfaces: Geometric flows of curves in shape space for processing motion of deformable objects. *Computer Graphics Forum*, 35(2):295–305, May 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bhattacharya:2013:SCI

[BW13] A. Bhattacharya and R. Wenger. Surfaces: Constructing isosurfaces with sharp edges and corners using cube merging. *Computer Graphics Forum*, 32(3pt1):11–20, June 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Barros:2017:SHS

[BW17] R. S. Barros and M. Walter. Synthesis of human skin pigmentation disorders. *Computer Graphics Forum*, 36(1):330–344, January 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Beketayev:2011:MDV

[BWH+11] K. Beketayev, G. H. Weber, M. Haranczyk, P.-T. Bremer, M. Hlawitschka, and B. Hamann. Molecular data visualization: Topology-based visualization of transformation pathways in complex chemical systems. *Computer Graphics Forum*, 30 (3):663–672, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Benes:2014:PMU

[BWK14] Jan Beneš, Alexander Wilkie, and Jaroslav Křivánek. Procedural modelling of urban road networks. *Computer Graphics Forum*, 33(6):132–142, September 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Berner:2011:SAS

[BWM+11] Alexander Berner, Michael Wand, Niloy J. Mitra, Daniel Mewes, and Hans-Peter Seidel. Shape analysis: Shape analysis with subspace symmetries. *Computer Graphics Forum*, 30 (2):277–286, April 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Batty:2010:FST

[BXH10] Christopher Batty, Stefan Xenos, and Ben Houston. Fluids and smoke: Tetrahedral embedded boundary methods for accurate and flexible adaptive fluids. *Computer Graphics Forum*, 29 (2):695–704, May 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bai:2016:CAD

[BYL16] Yunfei Bai, Wenhao Yu, and C. Karen Liu. Cloth & animation: Dexterous manipulation of cloth. *Computer Graphics Forum*, 35(2):523–532, May 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Back:2018:FGA

[BYM18] Jonghee Back, Sung-Eui Yoon, and Bochang Moon. Feature generation for adaptive gradient-domain path tracing. *Computer Graphics Forum*, 37(7):65–74, October 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ben-Zvi:2016:LDV

[BZBM+16] N. Ben-Zvi, J. Bento, M. Mahler, J. Hodgins, and A. Shamir. Line-drawing video stylization. *Computer Graphics Forum*, 35 (6):18–32, September 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Bernard:2018:TUC

[BZL+18] Jürgen Bernard, Matthias Zeppelzauer, Markus Lehmann, Martin Müller, and Michael Sedlmair. Towards user-centered active learning algorithms. *Computer Graphics Forum*, 37(3): 121–132, June 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Chung:2016:CGH

[CAB+16] David H. S. Chung, Daniel Archambault, Rita Borgo, Darren J. Edwards, Robert S. Laramee, and Min Chen. Charts and glyphs: How ordered is it? on the perceptual orderability of visual channels. *Computer Graphics Forum*, 35(3):131–140, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Comino:2018:SAN

[CACB18] M. Comino, C. Andujar, A. Chica, and P. Brunet. Sensor-aware normal estimation for point clouds from 3D range scans. *Computer Graphics Forum*, 37(5):233–243, August 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Campen:2017:PSQ

[Cam17] M. Campen. Partitioning surfaces into quadrilateral patches: A survey. *Computer Graphics Forum*, 36(8):567–588, December

2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Cani:2011:AWE

[Can11] Marie-Paule Cani. Award winners: Eurographics outstanding technical contribution award. *Computer Graphics Forum*, 30 (2):xviii, April 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Cashman:2012:BCC

[Cas12] Thomas J. Cashman. Beyond Catmull–Clark? A survey of advances in subdivision surface methods. *Computer Graphics Forum*, 31(1):42–61, February 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Cherchi:2019:SPP

[CAS+19] G. Cherchi, P. Alliez, R. Scateni, M. Lyon, and D. Bommes. Selective padding for polycube-based hexahedral meshing. *Computer Graphics Forum*, 38(1):580–591, February 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Chen:2018:E

[CB18] Min Chen and Bedrich Benes. Editorial. *Computer Graphics Forum*, 37(1):5–6, February 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Chen:2019:X

[CB19] Min Chen and Bedrich Benes. 2019_editorial_v2. *Computer Graphics Forum*, 38(1):5–6, February 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Cano:2015:GVM

[CBC+15] R. G. Cano, K. Buchin, T. Castermans, A. Pieterse, W. Sonke, and B. Speckmann. Geospatial visualization: Mosaic drawings and cartograms. *Computer Graphics Forum*, 34(3):361–370, June 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Cordonnier:2016:TFL

[CBC+16] Guillaume Cordonnier, Jean Braun, Marie-Paule Cani, Bedrich Benes, Éric Galin, Adrien Peytavie, and Éric Guérin. Terrains & fluids: Large scale terrain generation from tectonic uplift and fluvial erosion. *Computer Graphics Forum*, 35(2):165–175, May 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Chandrasegaran:2017:IVA

[CBK+17] Senthil Chandrasegaran, Sriram Karthik Badam, Lorraine Kisselburgh, Karthik Ramani, and Niklas Elmqvist. Integrating visual analytics support for grounded theory practice in qualitative text analysis. *Computer Graphics Forum*, 36(3):201–212, June 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Cornel:2019:IVF

[CBKK+19] D. Cornel, A. Buttinger-Kreuzhuber, A. Konev, Z. Horváth, M. Wimmer, R. Heidrich, and J. Waser. Interactive visualization of flood and heavy rain simulations. *Computer Graphics Forum*, 38(3):25–39, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Chu:2019:SFT

[CBLW19] Lei Chu, Pengbo Bo, Yang Liu, and Wenping Wang. Surface fairing towards regular principal curvature line networks. *Computer Graphics Forum*, 38(7):115–125, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Claici:2017:MPI

[CBSS17] S. Claici, M. Bessmeltsev, S. Schaefer, and J. Solomon. Maps and parametrization: Isometry-aware preconditioning for mesh parameterization. *Computer Graphics Forum*, 36(5):37–47, August 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Chiang:2016:RTP

[CBTB16] Matt Jen-Yuan Chiang, Benedikt Bitterli, Chuck Tappan, and Brent Burley. Rendering techniques: a practical and controllable hair and fur model for production path tracing. *Computer Graphics Forum*, 35(2):275–283, May 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Claux:2014:SIC

[CBV+14] Frédéric Claux, Loïc Barthe, David Vanderhaeghe, Jean-Pierre Jessel, and Mathias Paulin. Surfaces II: Crack-free rendering of dynamically tesselated *B*-rep models. *Computer Graphics Forum*, 33(2):263–272, May 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Charalambous:2014:PCG

[CC14] P. Charalambous and Y. Chrysanthou. The PAG crowd: a graph based approach for efficient data-driven crowd simulation. *Computer Graphics Forum*, 33(8):95–108, December 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Chen:2014:RDM

[CCC+14] Shao-Chi Chen, Hsin-Yi Chen, Yi-Ling Chen, Hsin-Mu Tsai, and Bing-Yu Chen. Reconstruction and depth: Making in-front-of cars transparent: Sharing first-person-views via dash-cam. *Computer Graphics Forum*, 33(7):289–297, October 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Chen:2017:QIU

[CCC17] Y.-Y. Chen, Y.-J. Chen, and S.-Y. Chien. Quantizing intersections using compact voxels. *Computer Graphics Forum*, 36(6): 76–85, September 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Conati:2014:DSE

[CCH+14] C. Conati, G. Carenini, E. Hoque, B. Steichen, and D. Toker. Design study: Evaluating the impact of user characteristics and different layouts on an interactive visualization for decision making. *Computer Graphics Forum*, 33(3):371–380, June 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Choi:2013:RSI

[CCI13] B. Choi, B. Chang, and I. Ihm. Rendering (session 2): Improving memory space efficiency of *kd*-tree for real-time ray tracing. *Computer Graphics Forum*, 32(7):335–344, October 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Chen:2010:GBO

[CCLN10] Yi-Ling Chen, Bing-Yu Chen, Shang-Hong Lai, and Tomoyuki Nishita. Geometry I: Binary orientation trees for volume and surface reconstruction from unoriented point clouds. *Computer Graphics Forum*, 29(7):2011–2019, September 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Chang:2016:VIV

[CCM16] Chia-Sheng Chang, Hung-Kuo Chu, and Niloy J. Mitra. Video: Interactive videos: Plausible video editing using sparse structure points. *Computer Graphics Forum*, 35(2):489–500, May 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Chermain:2019:GRB

[CCM19] Xavier Chermain, Frédéric Claux, and Stéphane Mérillou. Glint rendering based on a multiple-scattering patch BRDF. *Computer Graphics Forum*, 38(4):27–37, July 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Cho:2012:IEP

[CCTL12] Sunghyun Cho, Hojin Cho, Yu-Wing Tai, and Seungyong Lee. Image editing and processing: Registration based non-uniform motion deblurring. *Computer Graphics Forum*, 31(7pt2):2183–2192, September 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Chen:2012:GPI

[CCW12] Zhonggui Chen, Juan Cao, and Wenping Wang. Geometry processing: Isotropic surface remeshing using constrained centroidal Delaunay mesh. *Computer Graphics Forum*, 31(7pt1):2077–2085, September 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Cazals:2010:RIM

[CD10] Frédéric Cazals and Tom Dreyfus. Reconstruction II: Multiscale geometric modeling of ambiguous shapes with toleranced balls and compoundly weighted α-shapes. *Computer Graphics Forum*, 29(5):1713–1722, July 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Cavallo:2018:TXS

[CD18] Marco Cavallo and Çağatay Demiralp. Track Xplorer: a system for visual analysis of sensor-based motor activity predictions. *Computer Graphics Forum*, 37(3):339–349, June 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Chaturvedi:2014:GBM

[CDA+14] S. Chaturvedi, C. Dunne, Z. Ashktorab, R. Zachariah, and B. Shneiderman. Group-in-a-Box meta-layouts for topological clusters and attribute-based groups: Space-efficient visualizations of network communities and their ties. *Computer Graphics Forum*, 33(8):52–68, December 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ceylan:2017:DSV

[CDM+17] Duygu Ceylan, Minh Dang, Niloy J. Mitra, Boris Neubert, and Mark Pauly. Discovering structured variations via template matching. *Computer Graphics Forum*, 36(1):76–88, January 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Crane:2010:DGT

[CDS10] Keenan Crane, Mathieu Desbrun, and Peter Schröder. Differential geometry: Trivial connections on discrete surfaces. *Computer Graphics Forum*, 29(5):1525–1533, July 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Cioaca:2016:GBW

[CDS16] Teodor Cioaca, Bogdan Dumitrescu, and Mihai-Sorin Stupariu. Graph-based wavelet representation of multi-variate terrain data. *Computer Graphics Forum*, 35(1):44–58, February 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Cazals:2014:GGA

[CDSS14] F. Cazals, T. Dreyfus, S. Sachdeva, and N. Shah. Greedy geometric algorithms for collection of balls, with applications to geometric approximation and molecular coarse-graining. *Computer Graphics Forum*, 33(6):1–17, September 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Chen:2019:OFS

[CE19] Min Chen and David S. Ebert. An ontological framework for supporting the design and evaluation of visual analytics systems. *Computer Graphics Forum*, 38(3):131–144, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Cordonnier:2018:IGT

[CEG+18] G. Cordonnier, P. Ecormier, E. Galin, J. Gain, B. Benes, and M.-P. Cani. Interactive generation of time-evolving, snow-covered landscapes with avalanches. *Computer Graphics Forum*, 37(2):497–509, May 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Cetinaslan:2019:PBS

[Cet19] Ozan Cetinaslan. Position-based simulation of elastic models on the GPU with energy aware Gauss–Seidel algorithm. *Computer Graphics Forum*, 38(8):41–52, November 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Cai:2018:SED

[CEX+18] X. Cai, K. Efstathiou, X. Xie, Y. Wu, Y. Shi, and L. Yu. A study of the effect of doughnut chart parameters on proportion estimation accuracy. *Computer Graphics Forum*, 37(6):300–312, September 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Chen:2016:MSM

[CFB16] Xue Chen, Jieqing Feng, and Dominique Bechmann. Mesh sequence morphing. *Computer Graphics Forum*, 35(1):179–190, February 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Coeurjolly:2016:RPS

[CFGL16] David Coeurjolly, Marion Foare, Pierre Gueth, and Jacques-Olivier Lachaud. Reconstruction: Piecewise smooth reconstruction of normal vector field on digital data. *Computer Graphics Forum*, 35(7):157–167, October 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Civit-Flores:2014:RTD

[CFS14] O. Civit-Flores and A. Susín. Robust treatment of degenerate elements in interactive corotational FEM simulations. *Computer Graphics Forum*, 33(6):298–309, September 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Chen:2012:PSP

[CG12] Renjie Chen and Craig Gotsman. Point sets: Parallel blue-noise sampling by constrained farthest point optimization. *Compu-*

ter Graphics Forum, 31(5):1775–1785, August 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Cai:2016:IPA

[CG16a] Yiqi Cai and Xiaohu Guo. Image processing: Anisotropic superpixel generation based on Mahalanobis distance. *Computer Graphics Forum*, 35(7):199–207, October 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Chen:2016:IEP

[CG16b] Renjie Chen and Craig Gotsman. Image editing & processing: Generalized as-similar-as-possible warping with applications in digital photography. *Computer Graphics Forum*, 35(2):81–92, May 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Chen:2016:MCT

[CG16c] Renjie Chen and Craig Gotsman. Mappings: Complex transfinite barycentric mappings with similarity kernels. *Computer Graphics Forum*, 35(5):41–53, August 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Chen:2017:APC

[CG17] Renjie Chen and Craig Gotsman. Approximating planar conformal maps using regular polygonal meshes. *Computer Graphics Forum*, 36(8):629–642, December 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Chen:2019:GAT

[CG19] Jia Chen and M. Gopi. Geometry aware tori decomposition. *Computer Graphics Forum*, 38(2):331–341, May 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Chen:2013:NOM

[CGBG13] Jiazhou Chen, Gaël Guennebaud, Pascal Barla, and Xavier Granier. Non-oriented MLS gradient fields. *Computer Graphics Forum*, 32(8):98–109, December 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Chen:2018:EPG

[CGH18] Renjie Chen, Craig Gotsman, and Kai Hormann. Efficient path generation with reduced coordinates. *Computer Graphics Fo-*

rum, 37(5):37–48, August 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ceneda:2019:RGA

[CGM19] Davide Ceneda, Theresia Gschwandtner, and Silvia Miksch. A review of guidance approaches in visual data analysis: a multifocal perspective. *Computer Graphics Forum*, 38(3):861–879, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ciccone:2016:MFC

[CGS16] L. Ciccone, M. Guay, and R. Sumner. Modeling: Flow curves: an intuitive interface for coherent scene deformation. *Computer Graphics Forum*, 35(7):247–256, October 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Carr:2015:MMM

[CGT+15] Hamish Carr, Zhao Geng, Julien Tierny, Amit Chattopadhyay, and Aaron Knoll. Multi-modal and multi-field: Fiber surfaces: Generalizing isosurfaces to bivariate data. *Computer Graphics Forum*, 34(3):241–250, June 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Courbet:2011:TPM

[CH11] Clément Courbet and Céline Hudelot. Taylor prediction for mesh geometry compression. *Computer Graphics Forum*, 30 (1):139–151, March 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Cashman:2012:ACE

[CH12] Thomas J. Cashman and Kai Hormann. Animation: a continuous, editable representation for deforming mesh sequences with separate signals for time, pose and shape. *Computer Graphics Forum*, 31(2pt4):735–744, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Chapiro:2014:IOS

[CHA+14] Alexandre Chapiro, Simon Heinzle, Tunç Ozan Aydın, Steven Poulakos, Matthias Zwicker, Aljosa Smolic, and Markus Gross. Images I: Optimizing stereo-to-multiview conversion for autostereoscopic displays. *Computer Graphics Forum*, 33(2):63–72, May 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Cashman:2019:UBV

[CHH+19] Dylan Cashman, Shah Rukh Humayoun, Florian Heimerl, Kendall Park, Subhajit Das, John Thompson, Bahador Saket, Abigail Mosca, John Stasko, Alex Endert, Michael Gleicher, and Remco Chang. A user-based visual analytics workflow for exploratory model analysis. *Computer Graphics Forum*, 38 (3):185–199, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Campen:2013:SPA

[CHK13] Marcel Campen, Martin Heistermann, and Leif Kobbelt. Surfaces: Practical anisotropic geodesy. *Computer Graphics Forum*, 32(5):63–71, August 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Cadik:2013:IPS

[ČHM+13] Martin Čadík, Robert Herzog, Rafał Mantiuk, Radosław Mantiuk, Karol Myszkowski, and Hans-Peter Seidel. Image processing (session 6): Learning to predict localized distortions in rendered images. *Computer Graphics Forum*, 32(7):401–410, October 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Chu:2019:BRT

[CHWL19] Yiyao Chu, Fei Hou, Wencheng Wang, and Lei Li. Book review: *Topology Preserving Simplification of Medial Axes in 3D Models*. *Computer Graphics Forum*, 38(7):607–616, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Campen:2016:PVS

[CIE+16] Marcel Campen, Moritz Ibing, Hans-Christian Ebke, Denis Zorin, and Leif Kobbelt. Parametrization and volumes: Scale-invariant directional alignment of surface parametrizations. *Computer Graphics Forum*, 35(5):1–10, August 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Cornelis:2014:APB

[CIPT14] Jens Cornelis, Markus Ihmsen, Andreas Peer, and Matthias Teschner. Animation I (physically-based): IISPH–FLIP for incompressible fluids. *Computer Graphics Forum*, 33(2):255–262, May 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Cao:2014:SCI

[CJFH14] Yan-Pei Cao, Tao Ju, Zhao Fu, and Shi-Min Hu. Shapes and cryptography: Interactive image-guided modeling of extruded shapes. *Computer Graphics Forum*, 33(7):101–110, October 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Choi:2019:VNV

[CJP+19] Jinho Choi, Sanghun Jung, Deok Gun Park, Jaegul Choo, and Niklas Elmqvist. Visualizing for the non-visual: Enabling the visually impaired to use visualization. *Computer Graphics Forum*, 38(3):249–260, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Celarek:2019:QEL

[CJWL19] A. Celarek, W. Jakob, M. Wimmer, and J. Lehtinen. Quantifying the error of light transport algorithms. *Computer Graphics Forum*, 38(4):111–121, July 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Cao:2017:ESF

[CJXH17] Y-P. Cao, T. Ju, J. Xu, and S-M. Hu. Extracting sharp features from RGB–D images. *Computer Graphics Forum*, 36(8): 138–152, December 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Chen:2012:IAE

[CJZW12] Xiaowu Chen, Xin Jin, Qinping Zhao, and Hongyu Wu. Image analysis and editing: Artistic illumination transfer for portraits. *Computer Graphics Forum*, 31(4):1425–1434, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Campen:2010:CPB

[CK10a] Marcel Campen and Leif Kobbelt. Collisions: Polygonal boundary evaluation of Minkowski sums and swept volumes. *Computer Graphics Forum*, 29(5):1613–1622, July 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Campen:2010:MPE

[CK10b] Marcel Campen and Leif Kobbelt. Mesh processing: Exact and robust (self-)intersections for polygonal meshes. *Computer Graphics Forum*, 29(2):397–406, May 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Campen:2011:IGP

[CK11a] Marcel Campen and Leif Kobbelt. Interactive geometric processing: Walking on broken mesh: Defect-tolerant geodesic distances and parameterizations. *Computer Graphics Forum*, 30 (2):623–632, April 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Chuang:2011:FMC

[CK11b] Ming Chuang and Michael Kazhdan. Fast mean-curvature flow via finite-elements tracking. *Computer Graphics Forum*, 30(6): 1750–1760, September 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Cho:2013:FGA

[CK13] Junghyun Cho and Hyeong-Seok Ko. Fluids: Geometry-aware volume-of-fluid method. *Computer Graphics Forum*, 32(2pt3): 379–388, May 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Campen:2014:QLE

[CK14] M. Campen and L. Kobbelt. Quad layout embedding via aligned parameterization. *Computer Graphics Forum*, 33(8): 69–81, December 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Coffey:2012:IDU

[CKE+12] D. Coffey, F. Korsakov, M. Ewert, H. Hagh-Shenas, L. Thorson, A. Ellingson, D. Nuckley, and D. F. Keefe. Interaction design and usability: Visualizing motion data in virtual reality: Understanding the roles of animation, interaction, and static presentation. *Computer Graphics Forum*, 31(3pt3):1215–1224, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Charalambous:2014:CAD

[CKGC14] Panayiotis Charalambous, Ioannis Karamouzas, Stephen J. Guy, and Yiorgos Chrysanthou. Character animation: a data-driven framework for visual crowd analysis. *Computer Graphics Forum*, 33(7):41–50, October 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Conlen:2019:CAA

[CKH19] Matthew Conlen, Alex Kale, and Jeffrey Heer. Capture & analysis of active reading behaviors for interactive articles on the Web. *Computer Graphics Forum*, 38(3):687–698, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Choi:2011:MCS

[CKHL11] Myung Geol Choi, Manmyung Kim, Kyung Lyul Hyun, and Jehee Lee. Motion capture, simulation, and manipulation: Deformable motion: Squeezing into cluttered environments. *Computer Graphics Forum*, 30(2):445–453, April 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Christensen:2018:PMJ

[CKK18] Per Christensen, Andrew Kensler, and Charlie Kilpatrick. Progressive multi-jittered sample sequences. *Computer Graphics Forum*, 37(4):21–33, July 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Cho:2014:CIS

[CKL14] Hojin Cho, Seon Joo Kim, and Seungyong Lee. Color and imaging: Single-shot high dynamic range imaging using coded electronic shutter. *Computer Graphics Forum*, 33(7):329–338, October 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Cornel:2015:GVV

[CKS+15] D. Cornel, A. Konev, B. Sadransky, Z. Horváth, E. Gröller, and J. Waser. Geospatial visualization: Visualization of object-centered vulnerability to possible flood hazards. *Computer Graphics Forum*, 34(3):331–340, June 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Cornel:2016:GDV

[CKS+16] D. Cornel, A. Konev, B. Sadransky, Z. Horváth, A. Brambilla, I. Viola, and J. Waser. Geospatial data visualization: Composite flow maps. *Computer Graphics Forum*, 35(3):461–470, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Chen:2012:STF

[CLC12] Ying-Chieh Chen, Su Ian Eugene Lei, and Chun-Fa Chang. Spatio-temporal filtering of indirect lighting for interactive global illumination. *Computer Graphics Forum*, 31(1):189–201, February 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Chen:2011:MRA

[CLCL11] Yi-Ling Chen, Tung-Ying Lee, Bing-Yu Chen, and Shang-Hong Lai. Model reconstruction & analysis: Bipartite polar classification for surface reconstruction. *Computer Graphics Forum*, 30(7):2003–2010, September 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Calian:2018:FOL

[CLG+18] Dan A. Calian, Jean-François Lalonde, Paulo Gotardo, Tomas Simon, Iain Matthews, and Kenny Mitchell. From faces to outdoor light probes. *Computer Graphics Forum*, 37(2):51–61, May 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Cui:2018:FDY

[CLGS18] Y. R. Cui, Q. Liu, C. Y. Gao, and Z. Su. FashionGAN: Display your fashion design using Conditional Generative Adversarial Nets. *Computer Graphics Forum*, 37(7):109–119, October 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Chen:2015:DPD

[CLJ+15] Hsin-I Chen, Tse-Ju Lin, Xiao-Feng Jian, I-Chao Shen, and Bing-Yu Chen. Drawing and painting: Data-driven handwriting synthesis in a conjoined manner. *Computer Graphics Forum*, 34(7):235–244, October 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Corsini:2013:PMS

[CLL+13] M. Corsini, M. C. Larabi, G. Lavoué, O. Petřík, L. Váša, and K. Wang. Perceptual metrics for static and dynamic triangle meshes. *Computer Graphics Forum*, 32(1):101–125, February 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Chiu:2015:DPT

[CLLC15] Chun-Chia Chiu, Yi-Hsiang Lo, Ruen-Rone Lee, and Hung-Kuo Chu. Drawing and painting: Tone- and feature-aware circular scribble art. *Computer Graphics Forum*, 34(7):225–234, October 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Cherchi:2016:PVP

[CLS16] Gianmarco Cherchi, Marco Livesu, and Riccardo Scateni. Parametrization and volumes: Polycube simplification for coarse layouts of surfaces and volumes. *Computer Graphics Forum*, 35(5):11–20, August 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Crnovrsanin:2011:GNV

[CLWM11] Tarik Crnovrsanin, Isaac Liao, Yingcai Wu, and Kwan-Liu Ma. Graphs & networks: Visual recommendations for network navigation. *Computer Graphics Forum*, 30(3):1081–1090, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Chen:2017:SMV

[CLY17] Siming Chen, Lijing Lin, and Xiaoru Yuan. Social media visual analytics. *Computer Graphics Forum*, 36(3):563–587, June 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Clausen:2018:AVS

[CMF18] O. Clausen, R. Marroquim, and A. Fuhrmann. Acquisition and validation of spectral ground truth data for predictive rendering of rough surfaces. *Computer Graphics Forum*, 37(4):1–12, July 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ceylan:2012:CBF

[CML+12] Duygu Ceylan, Niloy J. Mitra, Hao Li, Thibaut Weise, and Mark Pauly. Cities and buildings: Factored facade acquisition using symmetric line arrangements. *Computer Graphics Forum*, 31(2pt3):671–680, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Cai:2015:VRR

[CNCO15] Li-Le Cai, Binh P. Nguyen, Chee-Kong Chui, and Sim-Heng Ong. Volume rendering: Rule-enhanced transfer function generation for medical volume visualization. *Computer Graphics Forum*, 34(3):121–130, June 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Choi:2013:IPS

[CNKI13] Myung Geol Choi, Seung-Tak Noh, Taku Komura, and Takeo Igarashi. Image processing (session 1): Dynamic comics for hierarchical abstraction of 3D animation data. *Computer Graphics Forum*, 32(7):1–9, October 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Crassin:2011:LRI

[CNS+11] Cyril Crassin, Fabrice Neyret, Miguel Sainz, Simon Green, and Elmar Eisemann. Lighting & rendering: Interactive indirect illumination using voxel cone tracing. *Computer Graphics Forum*, 30(7):1921–1930, September 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Corman:2015:CMC

[COC15] Etienne Corman, Maks Ovsjanikov, and Antonin Chambolle. Correspondence and matching: Continuous matching via vector field flow. *Computer Graphics Forum*, 34(5):129–139, August 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Carriere:2015:DSS

[COO15] Mathieu Carrière, Steve Y. Oudot, and Maks Ovsjanikov. Descriptors and shape synthesis: Stable topological signatures for points on 3D shapes. *Computer Graphics Forum*, 34(5):1–12, August 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Coll:2010:ASM

[CP10] N. Coll and T. Paradinas. Accurate simplification of multi-chart textured models. *Computer Graphics Forum*, 29(6):1842–1853, September 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Coll:2011:CM

[CP11] Narcís Coll and Teresa Paradinas. Compact models. *Computer Graphics Forum*, 30(1):187–198, March 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Cortial:2019:PTP

[CPGG19] Y. Cortial, A. Peytavie, E. Galin, and E. Guérin. Procedural tectonic planets. *Computer Graphics Forum*, 38(2):1–11, May 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Cheng:2015:IVD

[CPZ+15] M. M. Cheng, V. A. Prisacariu, S. Zheng, P. H. S. Torr, and C. Rother. Image and video: DenseCut: Densely connected CRFs for realtime GrabCut. *Computer Graphics Forum*, 34 (7):193–201, October 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Chen:2016:E

[CR16a] Min Chen and Richard. Editorial. *Computer Graphics Forum*, 35(1):3, February 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Csebfalvi:2016:VDV

[CR16b] Balázs Csébfalvi and Gergely Rácz. Volume data visualization: Retailoring box splines to lattices for highly isotropic volume representations. *Computer Graphics Forum*, 35(3):411–420, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Chen:2017:E

[CR17] Min Chen and Richard. Editorial. *Computer Graphics Forum*, 36(1):5, January 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Cosmo:2017:CPM

[CRA+17] L. Cosmo, E. Rodolà, A. Albarelli, F. Mémoli, and D. Cremers. Consistent partial matching of shape collections via sparse modeling. *Computer Graphics Forum*, 36(1):209–221, January 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Casas:2015:IVM

[CRC+15] Dan Casas, Christian Richardt, John Collomosse, Christian Theobalt, and Adrian Hilton. Image and video: 4D model flow: Precomputed appearance alignment for real-time 4D video interpolation. *Computer Graphics Forum*, 34(7):173–182, October 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Cao:2010:SRI

[CRGZ10] Chen Cao, Zhong Ren, Baining Guo, and Kun Zhou. Scattering and refraction: Interactive rendering of non-constant, refractive media using the ray equations of gradient-index optics. *Computer Graphics Forum*, 29(4):1375–1382, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Caban:2011:EEV

[CRY11] J. J. Caban, P. Rheingans, and T. Yoo. Evaluation: an evaluation of visualization techniques to illustrate statistical deformation models. *Computer Graphics Forum*, 30(3):821–830, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Cardona:2016:VNT

[CS16] L. Cardona and S. Saito. Visualization/NPR: Temporally coherent and artistically intended stylization of feature lines extracted from 3D models. *Computer Graphics Forum*, 35(7): 137–146, October 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Chen:2013:RCF

[CSaLM13] Desai Chen, Pitchaya Sitthi-amorn, Justin T. Lan, and Wojciech Matusik. Reality: Computing and fabricating multiplanar models. *Computer Graphics Forum*, 32(2pt3):305–315, May 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Cheng:2018:LSI

[CSC+18] Dachuan Cheng, Jian Shi, Yanyun Chen, Xiaoming Deng, and Xiaopeng. Zhang. Learning scene illumination by pairwise photos from rear and front mobile cameras. *Computer Graphics Forum*, 37(7):213–221, October 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Chaurasia:2011:GRS

[CSD11] Gaurav Chaurasia, Olga Sorkine, and George Drettakis. Geometry for rendering: Silhouette-aware warping for image-based rendering. *Computer Graphics Forum*, 30(4):1223–1232, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Csebfalvi:2018:FCR

[Csé18] Balázs Csébfalvi. Fast Catmull–Rom spline interpolation for high-quality texture sampling. *Computer Graphics Forum*, 37 (2):455–462, May 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Carnecky:2012:IVM

[CSFP12] R. Carnecky, B. Schindler, R. Fuchs, and R. Peikert. Illustrative visualization: Multi-layer illustrative dense flow visualization. *Computer Graphics Forum*, 31(3pt1):895–904, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Chegini:2018:IVE

[CSG+18] Mohammad Chegini, Lin Shao, Robert Gregor, Dirk J. Lehmann, Keith Andrews, and Tobias Schreck. Interactive visual exploration of local patterns in large scatterplot spaces. *Computer Graphics Forum*, 37(3):99–109, June 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Carr:2010:RSB

[CSLG10] Nathan Carr, Faramarz Savamati, Joe Laviola, and Cindy Grimm. Reports: Sketch-Based Interfaces and Modeling 2009 Co-Sponsored by Eurographics and ACM SIGGRAPH New Orleans, Louisiana, August 1–2, 2009. *Computer Graphics Forum*, 29(1):249, March 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Chlumsky:2018:ICM

[CSŠ18] V. Chlumský, J. Sloup, and I. Šimeček. Improved corners with multi-channel signed distance fields. *Computer Graphics Forum*, 37(1):273–287, February 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Calakli:2011:MRA

[CT11] F. Calakli and G. Taubin. Model reconstruction & analysis: SSD: Smooth signed distance surface reconstruction. *Computer Graphics Forum*, 30(7):1993–2002, September 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Clarberg:2010:CGS

[CTHAM10] Petrik Clarberg, Robert Toth, Jon Hasselgren, and Tomas Akenine-Möller. Computer graphics systems: an optimizing compiler for automatic shader bounding. *Computer Graphics Forum*, 29(4):1259–1268, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Chan:2013:ASS

[CTL13] Jacky C. P. Chan, Jeff K. T. Tang, and Howard Leung. Animation (session 1): Synthesizing two-character interactions by merging captured interaction samples with their spacetime relationships. *Computer Graphics Forum*, 32(7):41–50, October 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Casas:2014:IIV

[CVCH14] Dan Casas, Marco Volino, John Collomosse, and Adrian Hilton. Images III: 4D video textures for interactive character appearance. *Computer Graphics Forum*, 33(2):371–380, May 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Caillaud:2016:GPC

[CVDL16] F. Caillaud, V. Vidal, F. Dupont, and G. Lavoué. Geometry: Progressive compression of arbitrary textured meshes. *Computer Graphics Forum*, 35(7):475–484, October 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Chambers:2015:CMA

[CVJ15] Erin Wolf Chambers and Mikael Vejdemo-Johansson. Computing minimum area homologies. *Computer Graphics Forum*, 34 (6):13–21, September 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Chen:2014:CPV

[CWB+14] M. Chen, S. Walton, K. Berger, J. Thiyagalingam, B. Duffy, H. Fang, C. Holloway, and A. E. Trefethen. Cognition and perception: Visual multiplexing. *Computer Graphics Forum*, 33(3):241–250, June 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Correll:2011:TDV

[CWG11] M. Correll, M. Witmore, and M. Gleicher. Text and document visualization: Exploring collections of tagged text for literary scholarship. *Computer Graphics Forum*, 30(3):731–740, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Caballero:2019:VAV

[CWGvW19] Humberto S. Garcia Caballero, Michel A. Westenberg, Binyam Gebre, and Jarke J. van Wijk. V-Awake: a visual analytics approach for correcting sleep predictions from deep learning models. *Computer Graphics Forum*, 38(3):1–12, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Chen:2015:TIV

[CWL+15] Yi-Cheng Chen, Yu-Shuen Wang, Wen-Chieh Lin, Wei-Xiang Huang, and I-Chen Lin. Traffic: Interactive visual analysis for vehicle detector data. *Computer Graphics Forum*, 34(3):171–180, June 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Chen:2019:DVB

[CWL19] Mingjia Chen, Changbo Wang, and Ligang Liu. Deep video-based performance synthesis from sparse multi-view capture. *Computer Graphics Forum*, 38(7):543–554, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Chou:2019:PPV

[CWM19] Jia-Kai Chou, Yang Wang, and Kwan-Liu Ma. Privacy preserving visualization: a study on event sequence data. *Computer Graphics Forum*, 38(1):340–355, February 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Cypko:2017:VVC

[CWS+17] M. A. Cypko, J. Wojdziak, M. Stoehr, B. Kirchner, B. Preim, A. Dietz, H. U. Lemke, and S. Oeltze-Jafra. Visual verification of cancer staging for therapy decision support. *Computer Graphics Forum*, 36(3):109–120, June 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Chen:2011:EDF

[CWW+11] Jiating Chen, Bin Wang, Yuxiang Wang, Ryan S. Overbeck, Jun-Hai Yong, and Wenping Wang. Efficient depth-of-field rendering with adaptive sampling and multiscale reconstruction. *Computer Graphics Forum*, 30(6):1667–1680, September 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Chen:2011:SIS

[CWY11] Jiating Chen, Bin Wang, and Jun-Hai Yong. Sampling: Improved stochastic progressive photon mapping with Metropolis sampling. *Computer Graphics Forum*, 30(4):1205–1213, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Chou:2011:TDV

[CY11] J.-K. Chou and C.-K. Yang. Text and document visualization: PaperVis: Literature review made easy. *Computer Graphics Forum*, 30(3):721–730, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Claudio:2014:GVM

[CY14] Pio Claudio and Sung-Eui Yoon. Geographic visualization: Metro transit-centric visualization for city tour planning. *Computer Graphics Forum*, 33(3):271–280, June 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Celikcan:2015:EBR

[CYC15] Ufuk Celikcan, Ilker O. Yaz, and Tolga Capin. Example-based retargeting of human motion to arbitrary mesh models. *Computer Graphics Forum*, 34(1):216–227, February 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Choi:2012:AIR

[CYI+12] M. G. Choi, K. Yang, T. Igarashi, J. Mitani, and J. Lee. Animation and interaction: Retrieval and visualization of human motion data via stick figures. *Computer Graphics Forum*, 31 (7pt1):2057–2065, September 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Chen:2011:NPR

[CYY+11] Cheng-Kai Chen, Shi Yan, Hongfeng Yu, Nelson Max, and Kwan-Liu Ma. Non-photorealistic rendering & GPU computing: An illustrative visualization framework for 3D vector fields. *Computer Graphics Forum*, 30(7):1941–1951, September 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Chen:2011:MCS

[CZY11] Fan Chen, Ye Zhao, and Zhi Yuan. Motion capture, simulation, and manipulation: Langevin particle: a self-adaptive Lagrangian primitive for flow simulation enhancement. *Computer Graphics Forum*, 30(2):435–444, April 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Chen:2018:PBF

[CZZ+18] Wei Chen, Fei Zhu, Jing Zhao, Sheng Li, and Guoping Wang. Peridynamics-based fracture animation for elastoplastic solids. *Computer Graphics Forum*, 37(1):112–124, February 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Deschaintre:2019:FSC

[DAD+19] Valentin Deschaintre, Miika Aittala, Fredo Durand, George Drettakis, and Adrien Bousseau. Flexible SVBRDF capture with a multi-image deep network. *Computer Graphics Forum*, 38(4):1–13, July 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Dasgupta:2018:HFS

[DAF+18] Aritra Dasgupta, Dustin L. Arendt, Lyndsey R. Franklin, Pak Chung Wong, and Kristin A. Cook. Human factors in streaming data analysis: Challenges and opportunities for information visualization. *Computer Graphics Forum*, 37(1):254–272, February 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Dinev:2018:UGL

[DBB+18] D. Dinev, T. Beeler, D. Bradley, M. Bächer, H. Xu, and L. Kavan. User-guided lip correction for facial performance capture. *Computer Graphics Forum*, 37(8):93–101, December 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Deng:2013:SME

[DBD+13] Bailin Deng, Sofien Bouaziz, Mario Deuss, Juyong Zhang, Yuliy Schwartzburg, and Mark Pauly. Shape modeling: Exploring local modifications for constrained meshes. *Computer Graphics Forum*, 32(2pt1):11–20, May 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Duvenhage:2011:EBP

[DBK11] B. Duvenhage, K. Bouatouch, and D. G. Kourie. Extending backward polygon beam tracing to glossy scattering surfaces. *Computer Graphics Forum*, 30(6):1825–1836, September 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Dorn:2015:RTA

[DBLW15] Jonathan Dorn, Connelly Barnes, Jason Lawrence, and Westley Weimer. Rendering: Towards automatic band-limited procedural shaders. *Computer Graphics Forum*, 34(7):77–87, October 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Drocourt:2011:SDV

[DBS+11] Y. Drocourt, R. Borgo, K. Scharrer, T. Murray, S. I. Bevan, and M. Chen. Spatiotemporal data visualization: Temporal visualization of boundary-based geo-information using radial projection. *Computer Graphics Forum*, 30(3):981–990, June

2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Debattista:2018:FRV

[DBS+18] K. Debattista, K. Bugeja, S. Spina, T. Bashford-Rogers, and V. Hulusic. Frame rate vs resolution: a subjective evaluation of spatiotemporal perceived quality under varying computational budgets. *Computer Graphics Forum*, 37(1):363–374, February 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Du:2010:VRC

[DC10] Zhiyan Du and Yi-Jen Chiang. Volume rendering: Out-of-core simplification and crack-free LOD volume rendering for irregular grids. *Computer Graphics Forum*, 29(3):873–882, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Darles:2011:SOS

[DCGG11] E. Darles, B. Crespin, D. Ghazanfarpour, and J. C. Gonzato. A survey of ocean simulation and rendering techniques in computer graphics. *Computer Graphics Forum*, 30(1):43–60, March 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Dasgupta:2012:UCV

[DCK12] Aritra Dasgupta, Min Chen, and Robert Kosara. Uncertainty: Conceptualizing visual uncertainty in parallel coordinates. *Computer Graphics Forum*, 31(3pt2):1015–1024, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Dasgupta:2013:MPU

[DCK13] Aritra Dasgupta, Min Chen, and Robert Kosara. Measuring privacy and utility in privacy-preserving visualization. *Computer Graphics Forum*, 32(8):35–47, December 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Dang:2014:PMS

[DCNP14] Minh Dang, Duygu Ceylan, Boris Neubert, and Mark Pauly. Procedural Modeling I: SAFE: Structure-aware facade editing. *Computer Graphics Forum*, 33(2):83–93, May 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Digne:2014:SSS

[DCV14] Julie Digne, Raphaëlle Chaine, and Sébastien Valette. Surfaces I: Self-similarity for accurate compression of point sampled surfaces. *Computer Graphics Forum*, 33(2):155–164, May 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Dong:2019:SGA

[DCYG19] Xiao Dong, Zhonggui Chen, Junfeng Yao, and Xiaohu Guo. Superpixel generation by agglomerative clustering with quadratic error minimization. *Computer Graphics Forum*, 38(1):405–416, February 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Doukakis:2018:ARA

[DDH+18] E. Doukakis, K. Debattista, C. Harvey, T. Bashford-Rogers, and A. Chalmers. Audiovisual resource allocation for bimodal virtual environments. *Computer Graphics Forum*, 37(1):172–183, February 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Danerek:2017:DGS

[DDÖ+17] R. Daněřek, E. Dibra, C. Öztireli, R. Ziegler, and M. Gross. DeepGarment: 3D garment shape estimation from a single image. *Computer Graphics Forum*, 36(2):269–280, May 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Debattista:2018:AST

[Deb18] K. Debattista. Application-specific tone mapping via genetic programming. *Computer Graphics Forum*, 37(1):439–450, February 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Didyk:2010:RIP

[DER+10] Piotr Didyk, Elmar Eisemann, Tobias Ritschel, Karol Myszkowski, and Hans-Peter Seidel. Rendering II: Perceptually-motivated real-time temporal upsampling of 3D content for high-refresh-rate displays. *Computer Graphics Forum*, 29(2):713–722, May 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

dEon:2011:RME

[dFH+11] Eugene d'Eon, Guillaume François, Martin Hill, Joe Letteri, and Jean-Marie Aubry. Reflectance and materials: an energy-conserving hair reflectance model. *Computer Graphics Forum*, 30(4):1181–1187, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

DeFloriani:2015:SAR

[DFIM15] Leila De Floriani, Ulderico Fugacci, Federico Iuricich, and Paola Magillo. State of the art reports: Morse complexes for shape segmentation and homological analysis: discrete models and algorithms. *Computer Graphics Forum*, 34(2):761–785, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Du:2014:RSP

[DFY14] Wenjun Du, Jieqing Feng, and Baoguang Yang. Rendering: Sub-pixel anti-aliasing via triangle-based geometry reconstruction. *Computer Graphics Forum*, 33(7):81–90, October 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Derzapf:2012:DFP

[DG12] E. Derzapf and M. Guthe. Dependency-free parallel progressive meshes. *Computer Graphics Forum*, 31(8):2288–2302, December 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

deGoes:2011:SOT

[dGCSAD11] Fernando de Goes, David Cohen-Steiner, Pierre Alliez, and Mathieu Desbrun. Section 8: an optimal transport approach to robust reconstruction and simplification of 2D shapes. *Computer Graphics Forum*, 30(5):1593–1602, August 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Derzapf:2011:PMN

[DGGK11] E. Derzapf, B. Ganster, M. Guthe, and R. Klein. Procedural modeling & natural phenomena: River networks for instant procedural planets. *Computer Graphics Forum*, 30(7):2031–2040, September 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

deGoes:2014:CFD

[dGLB+14] Fernando de Goes, Beibei Liu, Max Budninskiy, Yiying Tong, and Mathieu Desbrun. Coordinates and fields: Discrete 2-tensor fields on triangulations. *Computer Graphics Forum*, 33 (5):13–24, August 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Dagenais:2017:DPE

[DGP17] F. Dagenais, J. Gagnon, and E. Paquette. Detail-preserving explicit mesh projection and topology matching for particle-based fluids. *Computer Graphics Forum*, 36(8):444–457, December 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Dey:2012:PSF

[DGQ+12] T. K. Dey, X. Ge, Q. Que, I. Safa, L. Wang, and Y. Wang. Point sets: Feature-preserving reconstruction of singular surfaces. *Computer Graphics Forum*, 31(5):1787–1796, August 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

DiBenedetto:2014:MNE

[DGR+14] M. Di Benedetto, F. Ganovelli, M. Balsa Rodriguez, A. Jaspe Villanueva, R. Scopigno, and E. Gobbetti. Men and nature: ExploreMaps: Efficient construction and ubiquitous exploration of panoramic view graphs of complex 3D environments. *Computer Graphics Forum*, 33(2):459–468, May 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

deGroot:2014:IDI

[dGWB+14] Erwin de Groot, Brian Wyvill, Loïc Barthe, Ahmad Nasri, and Paul Lalonde. Implicit decals: Interactive editing of repetitive patterns on surfaces. *Computer Graphics Forum*, 33(1): 141–151, February 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Deng:2014:SSP

[DH14] Chongyang Deng and Kai Hormann. Surfaces and shells: Pseudo-spline subdivision surfaces. *Computer Graphics Forum*, 33(5):227–236, August 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

DiBartolomeo:2016:TSD

[DH16] Marco Di Bartolomeo and Yifan Hu. Time series data and sequences: There is more to streamgraphs than movies: Better aesthetics via ordering and lassoing. *Computer Graphics Forum*, 35(3):341–350, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Dupuy:2015:MAE

[DHI+15] Jonathan Dupuy, Eric Heitz, Jean-Claude Iehl, Pierre Poulin, and Victor Ostromoukhov. Material appearance: Extracting microfacet-based BRDF parameters from arbitrary materials with power iterations. *Computer Graphics Forum*, 34(4):21–30, July 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Dokter:2019:HRC

[DHP+19] Mark Dokter, Jozef Hladky, Mathias Parger, Dieter Schmalstieg, Hans-Peter Seidel, and Markus Steinberger. Hierarchical rasterization of curved primitives for vector graphics rendering on the GPU. *Computer Graphics Forum*, 38(2):93–103, May 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Diepenbrock:2013:MVC

[DHS+13] S. Diepenbrock, S. Hermann, M. Schäfers, M. Kuhlmann, and K. Hinrichs. Medical visualization: Comparative visualization of tracer uptake in in vivo small animal PET/CT imaging of the carotid arteries. *Computer Graphics Forum*, 32(3pt2):241–250, June 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

deHoon:2014:BMF

[dHvPJV14] N. de Hoon, R. van Pelt, A. Jalba, and A. Vilanova. BioMedical I: 4D MRI flow coupled to physics-based fluid simulation for blood-flow visualization. *Computer Graphics Forum*, 33 (3):121–130, June 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Devkota:2018:CDV

[DI18] Sabin Devkota and Katherine E. Isaacs. CFGExplorer: Designing a visual control flow analytics system around basic program analysis operations. *Computer Graphics Forum*, 37(3):453–464, June 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Du:2012:IEP

[DJM12] Hui Du, Xiaogang Jin, and Xiaoyang Mao. Image editing and processing: Digital camouflage images using two-scale decomposition. *Computer Graphics Forum*, 31(7pt2):2203–2212, September 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Derouet-Jourdan:2019:GSW

[DJSJ19] Alexandre Derouet-Jourdan, Marc Salvati, and Théo Jonchier. Generating stochastic wall patterns on-the-fly with Wang tiles. *Computer Graphics Forum*, 38(2):255–264, May 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Dado:2016:TCG

[DKB+16] Bas Dado, Timothy R. Kol, Pablo Bauszat, Jean-Marc Thiery, and Elmar Eisemann. Texturing & compression: Geometry and attribute compression for voxel scenes. *Computer Graphics Forum*, 35(2):397–407, May 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Dasgupta:2015:GVV

[DKG15] A. Dasgupta, R. Kosara, and L. Gosink. Geospatial visualization: VIMTEX: a Visualization Interface for Multivariate, Time-varying, geological data Exploration. *Computer Graphics Forum*, 34(3):341–350, June 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Dachsbacher:2014:SRR

[DKH+14] Carsten Dachsbacher, Jaroslav Křivánek, Miloš Hašan, Adam Arbree, Bruce Walter, and Jan Novák. Scalable realistic rendering with many-light methods. *Computer Graphics Forum*, 33(1):88–104, February 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Dammertz:2010:PPL

[DKL10] H. Dammertz, A. Keller, and H. P. A. Lensch. Progressive point-light-based global illumination. *Computer Graphics Forum*, 29(8):2504–2515, December 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Didimo:2018:VFU

[DKMT18] Walter Didimo, Evgenios M. Kornaropoulos, Fabrizio Montecchiani, and Ioannis G. Tollis. A visualization framework and user studies for overloaded orthogonal drawings. *Computer Graphics Forum*, 37(1):288–300, February 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Dabala:2014:IMR

[DKR+14] Ł. Dąbała, P. Kellnhofer, T. Ritschel, P. Didyk, K. Templin, K. Myszkowski, P. Rokita, and H.-P. Seidel. Images I: Manipulating refractive and reflective binocular disparity. *Computer Graphics Forum*, 33(2):53–62, May 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Deul:2018:DPB

[DKWB18] Crispin Deul, Tassilo Kugelstadt, Marcel Weiler, and Jan Bender. Direct position-based solver for stiff rods. *Computer Graphics Forum*, 37(6):313–324, September 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Du:2016:RTA

[DKY16] P. Du, Y. J. Kim, and S. E. Yoon. Ray tracing/appearance capture: TSS BVHs: Tetrahedron swept sphere BVHs for ray tracing subdivision surfaces. *Computer Graphics Forum*, 35(7): 279–288, October 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Davis:2012:LFR

[DLD12] Abe Davis, Marc Levoy, and Fredo Durand. Light fields and reflectance: Unstructured light fields. *Computer Graphics Forum*, 31(2pt1):305–314, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Deng:2012:GMB

[DLGY12] Liqun Deng, Howard Leung, Naijie Gu, and Yang Yang. Generalized model-based human motion recognition with body partition index maps. *Computer Graphics Forum*, 31(1):202–215, February 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Dey:2010:MPH

[DLL+10] T. K. Dey, K. Li, C. Luo, P. Ranjan, I. Safa, and Y. Wang. Matching: Persistent heat signature for pose-oblivious matching of incomplete models. *Computer Graphics Forum*, 29(5): 1545–1554, July 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Dey:2010:RIL

[DLS10] T. K. Dey, J. A. Levine, and A. Slatton. Reconstruction II: Localized Delaunay refinement for sampling and meshing. *Computer Graphics Forum*, 29(5):1723–1732, July 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Du:2018:FAI

[DLY+18] Xingyi Du, Xiaohan Liu, Dong-Ming Yan, Caigui Jiang, Juntao Ye, and Hui Zhang. Field-aligned isotropic surface remeshing. *Computer Graphics Forum*, 37(6):343–357, September 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Digne:2010:RHF

[DMAL10] J. Digne, J.-M. Morel, N. Audfray, and C. Lartigue. Reconstruction I: High fidelity scan merging. *Computer Graphics Forum*, 29(5):1643–1651, July 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Dutra:2017:GBS

[DMCN+17] T. B. Dutra, R. Marques, J. B. Cavalcante-Neto, C. A. Vidal, and J. Pettré. Gradient-based steering for vision-based crowd simulation algorithms. *Computer Graphics Forum*, 36(2):337–348, May 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Diaz:2012:VVR

[DMNV12] J. Díaz, E. Monclús, I. Navazo, and P. Vázquez. Visualization and volume rendering: Adaptive cross-sections of anatomical models. *Computer Graphics Forum*, 31(7pt2):2155–2164, September 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Dobos:2014:SCF

[DMS14] Jozef Doboš, Niloy J. Mitra, and Anthony Steed. Shape collections, features: 3D timeline: Reverse engineering of a part-based provenance from consecutive 3D models. *Computer Graphics Forum*, 33(2):135–144, May 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Digne:2011:SSM

[DMSL11] Julie Digne, Jean-Michel Morel, Charyar-Mehdi Souzani, and Claire Lartigue. Scale space meshing of raw data point sets. *Computer Graphics Forum*, 30(6):1630–1642, September 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Diehl:2015:EPS

[DPD+15] A. Diehl, L. Pelorosso, C. Delrieux, C. Saulo, J. Ruiz, M. E. Gröller, and S. Bruckner. Engineering and physical sciences: Visual analysis of spatio-temporal data: Applications in weather forecasting. *Computer Graphics Forum*, 34(3):381–390, June 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Diehl:2017:VVA

[DPD+17] A. Diehl, L. Pelorosso, C. Delrieux, K. Matković, J. Ruiz, M. E. Gröller, and S. Bruckner. Video and visualization: Albero: a visual analytics approach for probabilistic weather forecasting. *Computer Graphics Forum*, 36(7):135–144, October 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Dang:2016:NGT

[DPF16] T. N. Dang, N. Pendar, and A. G. Forbes. Networks and graphs 1: TimeArcs: Visualizing fluctuations in dynamic networks. *Computer Graphics Forum*, 35(3):61–69, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Deng:2011:SFW

[DPW11] B. Deng, H. Pottmann, and J. Wallner. Section 1: Functional webs for freeform architecture. *Computer Graphics Forum*, 30(5):1369–1378, August 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Dalmau:2010:BSI

[DRA10] Oscar Dalmau, Mariano Rivera, and Teresa Alarcón. Bayesian scheme for interactive colourization, recolourization and image/video editing. *Computer Graphics Forum*, 29(8):2372–2386, December 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Delame:2012:CGM

[DRF12] T. Delamé, C. Roudet, and D. Faudot. Computational geometry: From a medial surface to a mesh. *Computer Graphics Forum*, 31(5):1637–1646, August 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Dextras-Romagnino:2019:SIR

[DRM19] K. Dextras-Romagnino and T. Munzner. Segmentifier: Interactive refinement of clickstream data. *Computer Graphics Forum*, 38(3):623–634, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Dinkla:2015:GDA

[DRW15] K. Dinkla, N. Henry Riche, and M. A. Westenberg. Graphs: Dual adjacency matrix: Exploring link groups in dense networks. *Computer Graphics Forum*, 34(3):311–320, June 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Daoudi:2011:REW

[DS11a] Mohamed Daoudi and Tobias Schreck. Reports: Eurographics 2010 Workshop on 3D Object Retrieval (EG 3DOR'10) in cooperation with ACM SIGGRAPH. *Computer Graphics Forum*, 30(1):229–230, March 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Dey:2011:SLD

[DS11b] Tamal K. Dey and Andrew G. Slatton. Section 2: Localized Delaunay refinement for volumes. *Computer Graphics Forum*, 30(5):1417–1426, August 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ding:2017:IID

[DSH+17] Shouhong Ding, Bin Sheng, Xiaonan Hou, Zhifeng Xie, and Lizhuang Ma. Intrinsic image decomposition using multi-scale measurements and sparsity. *Computer Graphics Forum*, 36(6): 251–261, September 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Dym:2015:CGH

[DSL15] N. Dym, A. Shtengel, and Y. Lipman. Curves and graphs: Homotopic morphing of planar curves. *Computer Graphics Forum*, 34(5):239–251, August 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

daSilva:2017:TRA

[dSNV+17] D. B. da Silva, R. F. Nunes, C. A. Vidal, J. B. Cavalcante-Neto, P. G. Kry, and V. B. Zordan. Tunable robustness: an artificial contact strategy with virtual actuator control for balance. *Computer Graphics Forum*, 36(8):499–510, December 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Dessein:2017:SAM

[DSWH17] A. Dessein, W. A. P. Smith, R. C. Wilson, and E. R. Hancock. Symmetry-aware mesh segmentation into uniform overlapping patches. *Computer Graphics Forum*, 36(8):95–107, December 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Dobashi:2010:AMC

[DSY10] Yoshinori Dobashi, Yusuke Shinzo, and Tsuyoshi Yamamoto. Acquisition: Modeling of clouds from a single photograph. *Computer Graphics Forum*, 29(7):2083–2090, September 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Dhillon:2014:IDB

[DTS+14] D. S. Dhillon, J. Teyssier, M. Single, I. Gaponenko, M. C. Milinkovitch, and M. Zwicker. Interactive diffraction from biological nanostructures. *Computer Graphics Forum*, 33(8):177–188, December 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Dai:2015:IVP

[DTV15] D. Dai, R. Timofte, and L. Van Gool. Image and video processing: Jointly optimized regressors for image super-resolution.

Computer Graphics Forum, 34(2):95–104, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Duchowski:2014:PEC

[Duc14] A. T. Duchowski. $\tau\epsilon\chi\nu\eta$ Photons: Evolution of a course in data structures. *Computer Graphics Forum*, 33(1):294–304, February 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Dinkla:2012:GDK

[DvKSW12] Kasper Dinkla, Marc J. van Kreveld, Bettina Speckmann, and Michel A. Westenberg. Graphs and diagrams: Kelp diagrams: Point set membership visualization. *Computer Graphics Forum*, 31(3pt1):875–884, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Desrichard:2019:GIS

[DVP19] François Desrichard, David Vanderhaeghe, and Mathias Paulin. Global illumination shadow layers. *Computer Graphics Forum*, 38(4):183–191, July 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Diamanti:2014:CFD

[DVPSH14] Olga Diamanti, Amir Vaxman, Daniele Panozzo, and Olga Sorkine-Hornung. Coordinates and fields: Designing N-PolyVector fields with complex polynomials. *Computer Graphics Forum*, 33(5):1–11, August 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Demir:2013:SPH

[DW13] I. Demir and R. Westermann. Surfaces: Progressive high-quality response surfaces for visually guided sensitivity analysis. *Computer Graphics Forum*, 32(3pt1):21–30, June 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

DeCoro:2010:RDB

[DWR10] Christopher DeCoro, Tim Weyrich, and Szymon Rusinkiewicz. Rendering: Density-based outlier rejection in Monte Carlo rendering. *Computer Graphics Forum*, 29(7):2119–2125, September 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Dinkla:2011:HLS

[DWT+11] K. Dinkla, M. A. Westenberg, H. M. Timmerman, S. A. F. T. van Hijum, and J. J. Van Wijk. Hierarchies and large-scale visualization: Comparison of multiple weighted hierarchies: Visual analytics for microbe community profiling. *Computer Graphics Forum*, 30(3):1141–1150, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ding:2019:WFO

[DYFX19] Hong Ding, Qingan Yan, Gang Fu, and Chunxia Xiao. Wavelet flow: Optical flow guided wavelet facial image fusion. *Computer Graphics Forum*, 38(7):663–674, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Deussen:2015:E

[DZ15] Oliver Deussen and Hao (Richard) Zhang. Editorial. *Computer Graphics Forum*, 34(1):1, February 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Duan:2011:FAT

[DZC11] Qi Duan, Jianmin Zheng, and Jianfei Cai. Flexible and accurate transparent-object matting and compositing using refractive vector field. *Computer Graphics Forum*, 30(6):1812–1824, September 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Deng:2019:SBS

[DZCC19] Teng Deng, Jianmin Zheng, Jianfei Cai, and Tat-Jen Cham. Shading-based surface recovery using subdivision-based representation. *Computer Graphics Forum*, 38(1):417–428, February 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Dabala:2016:IVE

[DZD+16] Ł. Dąbała, M. Ziegler, P. Didyk, F. Zilly, J. Keinert, K. Myszkowski, H.-P. Seidel, P. Rokita, and T. Ritschel. Images and video: Efficient multi-image correspondences for online light field video processing. *Computer Graphics Forum*, 35 (7):401–410, October 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

El-Assady:2016:TDD

[EAGA+16] Mennatallah El-Assady, Valentin Gold, Carmela Acevedo, Christopher Collins, and Daniel Keim. Text and document data: ConToVi: Multi-party conversation exploration using topic-space views. *Computer Graphics Forum*, 35(3):431–440, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

El-Assady:2017:NNE

[EASG+17] Mennatallah El-Assady, Rita Sevastjanova, Bela Gipp, Daniel Keim, and Christopher Collins. NEREx: Named-entity relationship exploration in multi-party conversations. *Computer Graphics Forum*, 36(3):213–225, June 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

El-Assady:2018:TMR

[EASKC18] Mennatallah El-Assady, Rita Sevastjanova, Daniel Keim, and Christopher Collins. ThreadReconstructor: Modeling reply-chains to untangle conversational text through visual analytics. *Computer Graphics Forum*, 37(3):351–365, June 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ezuz:2017:SAV

[EBC17] Danielle Ezuz and Mirela Ben-Chen. Shape analysis and variation: Deblurring and denoising of maps between shapes. *Computer Graphics Forum*, 36(5):165–174, August 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Eisemann:2012:GGP

[EBGM12] M. Eisemann, P. Bauszat, S. Guthe, and M. Magnor. Geometry: Geometry presorting for implicit object space partitioning. *Computer Graphics Forum*, 31(4):1445–1454, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Elek:2014:SWR

[EBR+14] Oskar Elek, Pablo Bauszat, Tobias Ritschel, Marcus Magnor, and Hans-Peter Seidel. Spectral and wave rendering: Spectral ray differentials. *Computer Graphics Forum*, 33(4):113–122, July 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Eom:2014:CAD

[ECN14] Haegwang Eom, Byungkuk Choi, and Junyong Noh. Character animation: Data-driven reconstruction of human locomotion using a single Smartphone. *Computer Graphics Forum*, 33(7): 11–19, October 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Edwards:2015:SMA

[EDPB15] John Edwards, Eric Daniel, Valerio Pascucci, and Chandrajit Bajaj. Shape manipulation: Approximating the generalized Voronoi diagram of closely spaced objects. *Computer Graphics Forum*, 34(2):299–309, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Elshehaly:2015:MMM

[EGG+15] M. Elshehaly, D. Gračanin, M. Gad, H. G. Elmongui, and K. Matković. Multi-modal and multi-field: Interactive fusion and tracking for multi-modal spatial data visualization. *Computer Graphics Forum*, 34(3):251–260, June 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ezuz:2019:ECB

[EHA+19] D. Ezuz, B. Heeren, O. Azencot, M. Rumpf, and M. Ben-Chen. Elastic correspondence between triangle meshes. *Computer Graphics Forum*, 38(2):121–134, May 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Engel:2013:ATH

[EHH+13] D. Engel, M. Hummel, F. Hoepel, K. Bein, A. Wexler, C. Garth, B. Hamann, and H. Hagen. Applications: Towards high-dimensional data analysis in air quality research. *Computer Graphics Forum*, 32(3pt1):101–110, June 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ellis:2019:BRR

[EHH19] A. Ellis, W. Hunt, and J. Hart. Book review: *Real-Time Analytic Antialiased Text for* 3*-D Environments*. *Computer Graphics Forum*, 38(8):23–32, November 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Eckert:2018:CFD

[EHT18] M.-L. Eckert, W. Heidrich, and N. Thuerey. Coupled fluid density and motion from single views. *Computer Graphics Forum*, 37(8):47–58, December 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Endo:2016:DDI

[EIKM16] Yuki Endo, Satoshi Iizuka, Yoshihiro Kanamori, and Jun Mitani. Data-driven images: DeepProp: Extracting deep features from a single image for edit propagation. *Computer Graphics Forum*, 35(2):189–201, May 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Eisemann:2011:AWE

[Eis11] Elmar Eisemann. Award winners: Eurographics Young researcher award. *Computer Graphics Forum*, 30(2):xx, April 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Eikel:2013:VSS

[EJFadH13] Benjamin Eikel, Claudius Jähn, Matthias Fischer, and Friedhelm Meyer auf der Heide. Visibility/sampling: Spherical visibility sampling. *Computer Graphics Forum*, 32(4):49–58, July 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Eynard:2014:IIL

[EKB14] D. Eynard, A. Kovnatsky, and M. M. Bronstein. Images II: Laplacian colormaps: a framework for structure-preserving color transformations. *Computer Graphics Forum*, 33(2):215–224, May 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Endo:2012:IAE

[EKFM12] Yuki Endo, Yoshihiro Kanamori, Yukio Fukui, and Jun Mitani. Image analysis and editing: Matting and compositing for Fresnel reflection on wavy surfaces. *Computer Graphics Forum*, 31 (4):1435–1443, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Eisenberger:2019:DFS

[ELC19] M. Eisenberger, Z. Lähner, and D. Cremers. Divergence-free shape correspondence by deformation. *Computer Graphics Forum*, 38(5):1–12, August 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Edmunds:2012:FVA

[ELM+12] M. Edmunds, R. S. Laramee, R. Malki, I. Masters, T. N. Croft, G. Chen, and E. Zhang. Flow visualization: Automatic stream surface seeding: a feature centered approach. *Computer Graphics Forum*, 31(3pt2):1095–1104, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Engelke:2019:API

[ELPH19] Wito Engelke, Kai Lawonn, Bernhard Preim, and Ingrid Hotz. Autonomous particles for interactive flow visualization. *Computer Graphics Forum*, 38(1):248–259, February 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ebeida:2013:PPS

[EMA+13] Mohamed S. Ebeida, Ahmed H. Mahmoud, Muhammad A. Awad, Mohammed A. Mohammed, Scott A. Mitchell, Alexander Rand, and John D. Owens. Pixels and points: Sifted disks. *Computer Graphics Forum*, 32(2pt4):509–518, May 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ebeida:2012:CGG

[EMP+12] Mohamed S. Ebeida, Scott A. Mitchell, Anjul Patney, Andrew A. Davidson, and John D. Owens. Computational geometry and geometry processing: a simple algorithm for maximal Poisson-disk sampling in high dimensions. *Computer Graphics Forum*, 31(2pt4):785–794, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Eilertsen:2017:CRT

[EMU17] G. Eilertsen, R. K. Mantiuk, and J. Unger. A comparative review of tone-mapping algorithms for high dynamic range video. *Computer Graphics Forum*, 36(2):565–592, May 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ecormier-Nocca:2019:ASM

[ENMGC19] Pierre Ecormier-Nocca, Pooran Memari, James Gain, and Marie-Paule Cani. Accurate synthesis of multi-class disk distributions. *Computer Graphics Forum*, 38(2):157–168, May 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Eisenacher:2013:GIS

[ENSB13] Christian Eisenacher, Gregory Nichols, Andrew Selle, and Brent Burley. Global illumination: Sorted deferred shading for production path tracing. *Computer Graphics Forum*, 32 (4):125–132, July 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Engelhardt:2012:VVR

[ENSD12] Thomas Engelhardt, Jan Novák, Thorsten-W. Schmidt, and Carsten Dachsbacher. Visualization and volume rendering: Approximate bias compensation for rendering scenes with heterogeneous participating media. *Computer Graphics Forum*, 31 (7pt2):2145–2154, September 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Escalera:2011:VIG

[EPAS11] S. Escalera, A. Puig, O. Amoros, and M. Salamó. Visualization: Intelligent GPGPU classification in volume visualization: a framework based on error-correcting output codes. *Computer Graphics Forum*, 30(7):2107–2115, September 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Emilien:2015:IPM

[EPCV15] Arnaud Emilien, Pierre Poulin, Marie-Paule Cani, and Ulysse Vimont. Interactive procedural modelling of coherent waterfall scenes. *Computer Graphics Forum*, 34(6):22–35, September 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Englund:2018:QQA

[ER18] R. Englund and T. Ropinski. Quantitative and qualitative analysis of the perception of semi-transparent structures in direct volume rendering. *Computer Graphics Forum*, 37(6):174–187, September 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ebeida:2016:VAD

[ERA+16] Mohamed S. Ebeida, Ahmad A. Rushdi, Muhammad A. Awad, Ahmed H. Mahmoud, Dong-Ming Yan, Shawn A. English, John D. Owens, Chandrajit L. Bajaj, and Scott A. Mitchell. Voronoi et al.: Disk density tuning of a maximal random packing. *Computer Graphics Forum*, 35(5):259–269, August 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Engel:2011:PSA

[ERHH11] D. Engel, R. Rosenbaum, B. Hamann, and H. Hagen. Parameter spaces and analysis: Structural decomposition trees. *Computer Graphics Forum*, 30(3):921–930, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Endert:2017:SAI

[ERT+17] A. Endert, W. Ribarsky, C. Turkay, B. L. William Wong, I. Nabney, I. Díaz Blanco, and F. Rossi. The state of the art in integrating machine learning into visual analytics. *Computer Graphics Forum*, 36(8):458–486, December 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ezuz:2017:MPG

[ESKBC17] Danielle Ezuz, Justin Solomon, Vladimir G. Kim, and Mirela Ben-Chen. Maps and parametrization: GWCNN: a metric alignment layer for deep shape analysis. *Computer Graphics Forum*, 36(5):49–57, August 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Engelhardt:2014:LCS

[ESKD14] Thomas Engelhardt, Thorsten-Walther Schmidt, Jan Kautz, and Carsten Dachsbacher. Low-cost subpixel rendering for diverse displays. *Computer Graphics Forum*, 33(1):199–209, February 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Elhayek:2015:OHM

[ESKT15] A. Elhayek, C. Stoll, K. I. Kim, and C. Theobalt. Outdoor human motion capture by simultaneous optimization of pose and camera parameters. *Computer Graphics Forum*, 34(6):86–98, September 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Esturo:2013:VGS

[ESRT13] Janick Martinez Esturo, Maik Schulze, Christian Rössl, and Holger Theisel. In volumes: Global selection of stream surfaces. *Computer Graphics Forum*, 32(2pt1):113–122, May 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Echevarria:2013:SAP

[EWK+13] Jose I. Echevarria, Gregg Wilensky, Aravind Krishnaswamy, Byungmoon Kim, and Diego Gutierrez. Simulated and augmented photography: Computational simulation of alternative photographic processes. *Computer Graphics Forum*, 32(4):7–16, July 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Eilertsen:2013:IPS

[EWMU13] Gabriel Eilertsen, Robert Wanat, Rafał K. Mantiuk, and Jonas Unger. Image processing (session 4): Evaluation of tone mapping operators for HDR-video. *Computer Graphics Forum*, 32 (7):275–284, October 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Fried:2017:REI

[FACO17] O. Fried, S. Avidan, and D. Cohen-Or. Representing and editing images: Patch2Vec: Globally consistent image patch representation. *Computer Graphics Forum*, 36(7):183–194, October 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Filipov:2019:CVE

[FAFM19] V. Filipov, A. Arleo, P. Federico, and S. Miksch. CV3: Visual exploration, assessment, and comparison of CVs. *Computer Graphics Forum*, 38(3):107–118, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ferstl:2016:FSN

[FAW+16] Florian Ferstl, Ryoichi Ando, Chris Wojtan, Rüdiger Westermann, and Nils Thuerey. Fluid simulation: Narrow band FLIP for liquid simulations. *Computer Graphics Forum*, 35(2):225–232, May 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Frohlich:2011:EDD

[FB11] Stefan Fröhlich and Mario Botsch. Example-driven deformations based on discrete shells. *Computer Graphics Forum*, 30 (8):2246–2257, December 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Fu:2016:TME

[FBL16] Xiao-Ming Fu, Chong-Yang Bai, and Yang Liu. Textures/ mapping: Efficient volumetric PolyCube-map construction. *Computer Graphics Forum*, 35(7):97–106, October 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Faure:2010:RMI

[FC10] William Faure and Chun-Fa Chang. Rendering: Metalights: Improved interleaved shading. *Computer Graphics Forum*, 29 (7):2109–2117, September 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Fu:2016:ESD

[FCS+16] Qiang Fu, Xiaowu Chen, Xiaoyu Su, Jia Li, and Hongbo Fu. Editing, sketch & drawing: Structure-adaptive shape editing for man-made objects. *Computer Graphics Forum*, 35(2):27–36, May 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Fried:2015:ICI

[FDH+15] O. Fried, S. DiVerdi, M. Halber, E. Sizikova, and A. Finkelstein. Image collections: IsoMatch: Creating informative grid layouts. *Computer Graphics Forum*, 34(2):155–166, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Finckh:2014:NOL

[FDL14] M. Finckh, H. Dammertz, and H. P. A. Lensch. On near optimal lattice quantization of multi-dimensional data points. *Computer Graphics Forum*, 33(1):271–281, February 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Frey:2017:FBT

[FE17] S. Frey and T. Ertl. Flow-based temporal selection for interactive volume visualization. *Computer Graphics Forum*, 36(8):

153–165, December 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Frohler:2019:VTA

[FEM+19] B. Fröhler, T. Elberfeld, T. Möller, H. C. Hege, J. Weissenböck, J. De Beenhouwer, J. Sijbers, J. Kastner, and C. Heinzl. A visual tool for the analysis of algorithms for tomographic fiber reconstruction in materials science. *Computer Graphics Forum*, 38(3):273–283, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Filho:2018:VCE

[FFN18] J. A. Wagner Filho, C. M. D. S. Freitas, and L. Nedel. VirtualDesk: a comfortable and efficient immersive information visualization approach. *Computer Graphics Forum*, 37(3):415–426, June 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Fyffe:2016:FMN

[FGT+16] G. Fyffe, P. Graham, B. Tunwattanapong, A. Ghosh, and P. Debevec. Faces & motion: Near-instant capture of high-resolution facial geometry and reflectance. *Computer Graphics Forum*, 35(2):353–363, May 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Fan:2018:FAC

[FH18] Chaoran Fan and Helwig Hauser. Fast and accurate CNN-based brushing in scatterplots. *Computer Graphics Forum*, 37 (3):111–120, June 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Fechteler:2019:BRM

[FHE19] P. Fechteler, A. Hilsmann, and P. Eisert. Book review: *Markerless Multiview Motion Capture with 3D Shape Model Adaptation*. *Computer Graphics Forum*, 38(6):91–109, September 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Fang:2018:TAM

[FHHJ18] Yu Fang, Yuanming Hu, Shi-Min Hu, and Chenfanfu Jiang. A temporally adaptive material point method with regional time stepping. *Computer Graphics Forum*, 37(8):195–204, December

2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Fyffe:2011:MCS

[FHW+11] Graham Fyffe, Tim Hawkins, Chris Watts, Wan-Chun Ma, and Paul Debevec. Motion capture, simulation, and manipulation: Comprehensive facial performance capture. *Computer Graphics Forum*, 30(2):425–434, April 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Falk:2013:AVM

[FKE13] Martin Falk, Michael Krone, and Thomas Ertl. Atomistic visualization of mesoscopic whole-cell simulations using ray-casted instancing. *Computer Graphics Forum*, 32(8):195–206, December 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Fuchs:2013:DFF

[FKR13] Martin Fuchs, Markus Kächele, and Szymon Rusinkiewicz. Design and fabrication of faceted mirror arrays for light field capture. *Computer Graphics Forum*, 32(8):246–257, December 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ferstl:2016:PFV

[FKRW16] F. Ferstl, M. Kanzler, M. Rautenhaus, and R. Westermann. Prediction and forecasting: Visual analysis of spatial variability and global correlations in ensembles of iso-contours. *Computer Graphics Forum*, 35(3):221–230, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Fuchs:2010:VTT

[FKS+10] Raphael Fuchs, Jan Kemmler, Benjamin Schindler, Jürgen Waser, Filip Sadlo, Helwig Hauser, and Ronald Peikert. Vectors & tensors: Toward a Lagrangian vector field topology. *Computer Graphics Forum*, 29(3):1163–1172, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ferreira:2013:VFV

[FKSS13] Nivan Ferreira, James T. Klosowski, Carlos E. Scheidegger, and Cláudio T. Silva. Vector fields: Vector field k-means: Clustering trajectories by fitting multiple vector fields. *Computer*

Graphics Forum, 32(3pt2):201–210, June 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Fofonov:2019:PFS

[FL19] A. Fofonov and L. Linsen. Projected field similarity for comparative visualization of multi-run multi-field time-varying spatial data. *Computer Graphics Forum*, 38(1):286–299, February 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Fiser:2014:ISC

[FLJ+14] J. Fišer, M. Lukáč, O. Jamriška, M. Čadík, Y. Gingold, P. Asente, and D. Sýkora. Illustration and stylization: Color me noisy: Example-based rendering of hand-colored animations with temporal noise control. *Computer Graphics Forum*, 33(4): 1–10, July 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Fan:2011:IGP

[FLL11] Lubin Fan, Ligang Lic, and Kun Liu. Interactive geometric processing: Paint mesh cutting. *Computer Graphics Forum*, 30 (2):603–612, April 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Fujisawa:2015:SVE

[FM15] Makoto Fujisawa and Kenjiro T. Miura. Simulation and visualization: an efficient boundary handling with a modified density calculation for SPH. *Computer Graphics Forum*, 34(7): 155–162, October 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Fulton:2019:LSD

[FMD+19] Lawson Fulton, Vismay Modi, David Duvenaud, David I. W. Levin, and Alec Jacobson. Latent-space dynamics for reduced deformable simulation. *Computer Graphics Forum*, 38(2):379–391, May 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Frohler:2016:VDA

[FMH16] B. Fröhler, T. Möller, and C. Heinzl. Volume data applications: GEMSe: Visualization-guided exploration of multi-channel segmentation algorithms. *Computer Graphics Forum*, 35(3):191–

200, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Fyffe:2017:MVS

[FNH+17] G. Fyffe, K. Nagano, L. Huynh, S. Saito, J. Busch, A. Jones, H. Li, and P. Debevec. Multi-view stereo on consistent face topology. *Computer Graphics Forum*, 36(2):295–309, May 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Fortunato:2012:CPC

[FO12] Horacio E. Fortunato and Manuel M. Oliveira. Computational photography: Coding depth through mask structure. *Computer Graphics Forum*, 31(2pt2):459–468, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Fratarcangeli:2015:BMS

[FP15] M. Fratarcangeli and F. Pellacini. Bodies in motion: Scalable partitioning for parallel position based dynamics. *Computer Graphics Forum*, 34(2):405–413, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Faridul:2016:CMR

[FPC+16] H. Sheikh Faridul, T. Pouli, C. Chamaret, J. Stauder, E. Reinhard, D. Kuzovkin, and A. Tremeau. Colour mapping: a review of recent methods, extensions and applications. *Computer Graphics Forum*, 35(1):59–88, February 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ferdosi:2011:MDV

[FR11] Bilkis J. Ferdosi and Jos B. T. M. Roerdink. Multidimensional data visualization: Visualizing high-dimensional structures by dimension ordering and filtering using subspace analysis. *Computer Graphics Forum*, 30(3):1121–1130, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Frey:2018:STC

[Fre18] S. Frey. Spatio-Temporal contours from deep volume raycasting. *Computer Graphics Forum*, 37(3):513–524, June 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Frisvad:2014:PDS

[FSES14] Jeppe Revall Frisvad, Lars Schjøth, Kenny Erleben, and Jon Sporring. Photon differential splatting for rendering caustics. *Computer Graphics Forum*, 33(6):252–263, September 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Fioravante:2013:BSV

[FSTR13] M. Fioravante, A. Shook, I. Thorpe, and P. Rheingans. Biological shape: Visualizing motional correlations in molecular dynamics using geometric deformations. *Computer Graphics Forum*, 32(3pt3):311–320, June 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Filip:2014:RTB

[FV14] J. Filip and R. Vávra. Rendering: Template-based sampling of anisotropic BRDFs. *Computer Graphics Forum*, 33(7):91–99, October 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Firmin:2015:CDM

[FvdP15] M. Firmin and M. van de Panne. Controller design for multiskilled bipedal characters. *Computer Graphics Forum*, 34(8): 50–63, December 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Filip:2017:PVP

[FVHK17] J. Filip, R. Vávra, M. Havlíček, and M. Krupička. Predicting visual perception of material structure in virtual environments. *Computer Graphics Forum*, 36(1):89–100, January 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Flotynski:2017:OBR

[FW17] Jakub Flotyński and Krzysztof Walczak. Ontology-based representation and modelling of synthetic 3D content: a state-of-the-art review. *Computer Graphics Forum*, 36(8):329–353, December 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Fan:2011:SHG

[FWPS11] Wenshan Fan, Bin Wang, Jean-Claude Paul, and Jiaguang Sun. Section 3: a hierarchical grid based framework for fast collision detection. *Computer Graphics Forum*, 30(5):1451–1459, August 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Fang:2019:LES

[FWSH19] Xiaonan Fang, Miao Wang, Ariel Shamir, and Shi-Min Hu. Learning explicit smoothing kernels for joint image filtering. *Computer Graphics Forum*, 38(7):181–190, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Fan:2013:GSM

[FWX+13] Lubin Fan, Ruimin Wang, Linlin Xu, Jiansong Deng, and Ligang Liu. Geometry (session 1): Modeling by drawing with shadow guidance. *Computer Graphics Forum*, 32(7):157–166, October 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Fu:2019:SHR

[FZS+19] Gang Fu, Qing Zhang, Chengfang Song, Qifeng Lin, and Chunxia Xiao. Specular highlight removal for real-world images. *Computer Graphics Forum*, 38(7):253–263, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ghosh:2010:SCF

[GAK10] Deboshmita Ghosh, Nina Amenta, and Michael Kazhdan. Symmetry: Closed-form blending of local symmetries. *Computer Graphics Forum*, 29(5):1681–1688, July 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gamito:2016:SSA

[Gam16] Manuel N. Gamito. Sampling: Solid angle sampling of disk and cylinder lights. *Computer Graphics Forum*, 35(4):25–36, July 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gribel:2017:TCQ

[GAM17] C. J. Gribel and T. Akenine-Möller. Time-continuous quasi-Monte Carlo ray tracing. *Computer Graphics Forum*, 36(6): 354–367, September 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Guerrero:2015:PSM

[GAWJ15] Paul Guerrero, Thomas Auzinger, Michael Wimmer, and Stefan Jeschke. Partial shape matching using transformation parameter similarity. *Computer Graphics Forum*, 34(1):239–252, February 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gois:2010:RSD

[GB10] João Paulo Gois and Gustavo C. Buscaglia. Resampling strategies for deforming MLS surfaces. *Computer Graphics Forum*, 29(6):1969–1980, September 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gyulassy:2014:TSD

[GBG+14] A. Gyulassy, P. T. Bremer, R. Grout, H. Kolla, J. Chen, and V. Pascucci. Topology: Stability of dissipation elements: a case study in combustion. *Computer Graphics Forum*, 33(3): 51–60, June 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gehre:2018:ICC

[GBKS18] A. Gehre, M. Bronstein, L. Kobbelt, and J. Solomon. Interactive curve constrained functional maps. *Computer Graphics Forum*, 37(5):1–12, August 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gobbo:2019:TTT

[GBM+19] B. Gobbo, D. Balsamo, M. Mauri, P. Bajardi, A. Panisson, and P. Ciuccarelli. Topic tomographies (TopTom): a visual approach to distill information from media streams. *Computer Graphics Forum*, 38(3):609–621, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Guarnera:2019:TDC

[GBS19] G. C. Guarnera, S. Bianco, and R. Schettini. Turning a digital camera into an absolute 2D tele-colorimeter. *Computer Graph-*

ics Forum, 38(1):73–86, February 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Goldade:2016:FSP

[GBW16] Ryan Goldade, Christopher Batty, and Chris Wojtan. Fluid simulation: a practical method for high-resolution embedded liquid surfaces. *Computer Graphics Forum*, 35(2):233–242, May 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Guo:2018:PBA

[GCGP18] Jie Guo, Yanjun Chen, Yanwen Guo, and Jingui Pan. A physically-based appearance model for special effect pigments. *Computer Graphics Forum*, 37(4):67–76, July 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gao:2017:DDS

[GCLX17] Lin Gao, Shu-Yu Chen, Yu-Kun Lai, and Shihong Xia. Data-driven shape interpolation and morphing editing. *Computer Graphics Forum*, 36(8):19–31, December 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Giraudot:2013:RNA

[GCSA13] Simon Giraudot, David Cohen-Steiner, and Pierre Alliez. Reconstruction: Noise-adaptive shape reconstruction from raw point sets. *Computer Graphics Forum*, 32(5):229–238, August 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ghanem:2015:IVP

[GCW15] Bernard Ghanem, Yuanhao Cao, and Peter Wonka. Image and video processing: Designing camera networks by convex quadratic programming. *Computer Graphics Forum*, 34(2):69–80, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Guo:2014:CAL

[GCY+14] Shihui Guo, Jian Chang, Xiaosong Yang, Wencheng Wang, and Jianjun Zhang. Character animation: Locomotion skills for insects with sample-based controller. *Computer Graphics Forum*, 33(7):31–40, October 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Goldberg:2012:PMD

[GCZ+12] Chen Goldberg, Tao Chen, Fang-Lue Zhang, Ariel Shamir, and Shi-Min Hu. Photo manipulation: Data-driven object manipulation in images. *Computer Graphics Forum*, 31(2pt1):265–274, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gilet:2010:TGI

[GD10] G. Gilet and J-M. Dischler. Texture generation: an image-based approach for stochastic volumetric and procedural details. *Computer Graphics Forum*, 29(4):1411–1419, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ganestam:2016:RTS

[GD16] Per Ganestam and Michael Doggett. Rendering techniques: SAH guided spatial split partitioning for fast BVH construction. *Computer Graphics Forum*, 35(2):285–293, May 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gdawiec:2017:IFI

[Gda17] K. Gdawiec. Inversion fractals and iteration processes in the generation of aesthetic patterns. *Computer Graphics Forum*, 36 (1):35–45, January 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Garcia-Dorado:2014:AID

[GDAU14] I. Garcia-Dorado, D. G. Aliaga, and S. V. Ukkusuri. Animation III: Designing large-scale interactive traffic animations for urban modeling. *Computer Graphics Forum*, 33(2):411–420, May 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gilet:2012:PTM

[GDG12] G. Gilet, J-M. Dischler, and D. Ghazanfarpour. Parameterization and texture mapping: Multi-scale assemblage for procedural texturing. *Computer Graphics Forum*, 31(7pt1):2117–2126, September 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Guerin:2016:TFS

[GDGP16] Eric Guérin, Julie Digne, Eric Galin, and Adrien Peytavie. Terrains & fluids: Sparse representation of terrains for procedural modeling. *Computer Graphics Forum*, 35(2):177–187, May 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gautron:2013:RSB

[GDML13] Pascal Gautron, Cyril Delalandre, Jean-Eudes Marvie, and Pascal Lecocq. Rendering (session 2): Boundary-aware extinction mapping. *Computer Graphics Forum*, 32(7):305–314, October 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ghani:2012:IDU

[GEY12] S. Ghani, N. Elmqvist, and J. S. Yi. Interaction design and usability: Perception of animated node-link diagrams for dynamic graphs. *Computer Graphics Forum*, 31(3pt3):1205–1214, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Garces:2017:ILF

[GEZ+17] Elena Garces, Jose I. Echevarria, Wen Zhang, Hongzhi Wu, Kun Zhou, and Diego Gutierrez. Intrinsic light field images. *Computer Graphics Forum*, 36(8):589–599, December 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Groueix:2019:UCC

[GFK+19] Thibault Groueix, Matthew Fisher, Vladimir G. Kim, Bryan C. Russell, and Mathieu Aubry. Unsupervised cycle-consistent deformation for shape matching. *Computer Graphics Forum*, 38 (5):123–133, August 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gunther:2014:DCS

[GG14] Tobias Günther and Thorsten Grosch. Distributed out-of-core stochastic progressive photon mapping. *Computer Graphics Forum*, 33(6):154–166, September 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gunther:2015:ACI

[GG15] Tobias Günther and Thorsten Grosch. Appearance changes and images: Consistent scene editing by progressive difference images. *Computer Graphics Forum*, 34(4):41–51, July 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gunther:2017:FII

[GG17] Tobias Günther and Markus Gross. Flow-induced inertial steady vector field topology. *Computer Graphics Forum*, 36 (2):143–152, May 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Guarnera:2016:SAR

[GGG+16a] D. Guarnera, G. C. Guarnera, A. Ghosh, C. Denk, and M. Glencross. State of the art reports: BRDF representation and acquisition. *Computer Graphics Forum*, 35(2):625–650, May 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Guerin:2016:MEM

[GGG+16b] Eric Guérin, Eric Galin, François Grosbellet, Adrien Peytavie, and Jean-David Génevaux. Modeling: Efficient modeling of entangled details for natural scenes. *Computer Graphics Forum*, 35(7):257–267, October 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gobbetti:2012:VVC

[GGM12] Enrico Gobbetti, José Antonio Iglesias Guitián, and Fabio Marton. Volume visualization: COVRA: a compression-domain output-sensitive volume rendering architecture based on a sparse representation of voxel blocks. *Computer Graphics Forum*, 31(3pt4):1315–1324, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Genevaux:2015:TMF

[GGP+15] Jean-David Génevaux, Eric Galin, Adrien Peytavie, Eric Guérin, Cyril Briquet, François Grosbellet, and Bedrich Benes. Terrain modelling from feature primitives. *Computer Graphics Forum*, 34(6):198–210, September 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Galin:2019:RDT

[GGP+19] Eric Galin, Eric Guérin, Adrien Peytavie, Guillaume Cordonnier, Marie-Paule Cani, Bedrich Benes, and James Gain. A review of digital terrain modeling. *Computer Graphics Forum*, 38(2):553–577, May 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gagnon:2019:DUD

[GGV+19] Jonathan Gagnon, Julián E. Guzmán, Valentin Vervondel, François Dagenais, David Mould, and Eric Paquette. Distribution update of deformable patches for texture synthesis on the free surface of fluids. *Computer Graphics Forum*, 38(7): 491–500, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gu:2015:RTR

[GHB15] Yan Gu, Yong He, and Guy E. Blelloch. Ray tracing: Ray specialized contraction on bounding volume hierarchies. *Computer Graphics Forum*, 34(7):309–318, October 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Glasser:2017:VIC

[GHB+17] S. Glaßer, T. Hoffmann, A. Boese, S. Voß, T. Kalinski, M. Skalej, and B. Preim. Virtual inflation of the cerebral artery wall for the integrated exploration of OCT and histology data. *Computer Graphics Forum*, 36(8):57–68, December 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Germann:2010:VAB

[GHK+10] Marcel Germann, Alexander Hornung, Richard Keiser, Remo Ziegler, Stephan Würmlin, and Markus Gross. Video: Articulated billboards for video-based rendering. *Computer Graphics Forum*, 29(2):585–594, May 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Grottel:2014:VAT

[GHWG14] S. Grottel, J. Heinrich, D. Weiskopf, and S. Gumhold. Visual analysis of trajectories in multi-dimensional state spaces. *Computer Graphics Forum*, 33(6):310–321, September 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gao:2017:MEH

[GHX+17] Xifeng Gao, Jin Huang, Kaoji Xu, Zherong Pan, Zhigang Deng, and Guoning Chen. Meshing: Evaluating hex-mesh quality metrics via correlation analysis. *Computer Graphics Forum*, 36 (5):105–116, August 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Grundhofer:2018:RAP

[GI18] A. Grundhöfer and D. Iwai. Recent advances in projection mapping algorithms, hardware and applications. *Computer Graphics Forum*, 37(2):653–675, May 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Giachetti:2018:ECR

[Gia18] A. Giachetti. Effective characterization of relief patterns. *Computer Graphics Forum*, 37(5):83–92, August 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gassenbauer:2011:LRI

[GKB+11] Václav Gassenbauer, Jaroslav Křivánek, Kadi Bouatouch, Christian Bouville, and Mickaël Ribardière. Lighting & rendering: Improving performance and accuracy of local PCA. *Computer Graphics Forum*, 30(7):1903–1910, September 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gao:2012:PMC

[GKB12] Junhong Gao, Seon Joo Kim, and Michael S. Brown. Photo manipulation: Creating picture legends for group photos. *Computer Graphics Forum*, 31(2pt1):257–264, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gieseke:2014:VTI

[GKHF14] L. Gieseke, S. Koch, J.-U. Hahn, and M. Fuchs. Video and textures: Interactive parameter retrieval for two-tone procedural textures. *Computer Graphics Forum*, 33(4):71–79, July 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gunther:2013:VFM

[GKKT13] Tobias Günther, Alexander Kuhn, Benjamin Kutz, and Holger Theisel. Vector fields: Mass-dependent integral curves in unsteady vector fields. *Computer Graphics Forum*, 32(3pt2):211–220, June 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Giesen:2017:SPV

[GKL17] J. Giesen, L. Kühne, and P. Lucas. Sclow plots: Visualizing empty space. *Computer Graphics Forum*, 36(3):145–155, June 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Giesen:2019:VSD

[GKLS19] Joachim Giesen, Julien Klaus, Sören Laue, and Ferdinand Schreck. Visualization support for developing a matrix calculus algorithm: a case study. *Computer Graphics Forum*, 38 (3):351–361, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Guerrero:2018:PLL

[GKOM18] Paul Guerrero, Yanir Kleiman, Maks Ovsjanikov, and Niloy J. Mitra. PCPN et learning local shape properties from raw point clouds. *Computer Graphics Forum*, 37(2):75–85, May 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Graham:2011:BDV

[GKPL11] Martin Graham, Jessie Kennedy, Trevor Paterson, and Andy Law. Biological data visualization: Visualising errors in animal pedigree genotype data. *Computer Graphics Forum*, 30 (3):1011–1020, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Georgiev:2012:LRI

[GKPS12] Iliyan Georgiev, Jaroslav Křivánek, Stefan Popov, and Philipp Slusallek. Lighting and rendering: Importance caching for complex illumination. *Computer Graphics Forum*, 31(2pt3):701–710, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gunther:2016:FVM

[GKT16] Tobias Günther, Alexander Kuhn, and Holger Theisel. Flow visualization: MCFTLE: Monte Carlo rendering of finite-time Lyapunov exponent fields. *Computer Graphics Forum*, 35(3):

381–390, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Garanzha:2010:RTC

[GL10a] Kirill Garanzha and Charles Loop. Ray tracing and culling: Fast ray sorting and breadth-first packet traversal for GPU ray tracing. *Computer Graphics Forum*, 29(2):289–298, May 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Georgiev:2010:RPC

[GL10b] T. Georgiev and A. Lumsdaine. Reducing plenoptic camera artifacts. *Computer Graphics Forum*, 29(6):1955–1968, September 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Giachetti:2012:SAR

[GL12] A. Giachetti and C. Lovato. Shape analysis: Radial symmetry detection and shape characterization with the multiscale area projection transform. *Computer Graphics Forum*, 31(5): 1669–1678, August 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gain:2017:EIC

[GLCC17] J. Gain, H. Long, G. Cordonnier, and M.-P. Cani. EcoBrush: Interactive control of visually consistent large-scale ecosystems. *Computer Graphics Forum*, 36(2):63–73, May 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Galvane:2018:DPC

[GLCC18] Q. Galvane, C. Lino, M. Christie, and R. Cozot. Directing the photography: Combining cinematic rules, indirect light controls and lighting-by-example. *Computer Graphics Forum*, 37(7):45–53, October 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gratzl:2016:SHE

[GLG+16] S. Gratzl, A. Lex, N. Gehlenborg, N. Cosgrove, and M. Streit. Story, history, and evolution: From visual exploration to storytelling and back again. *Computer Graphics Forum*, 35(3):491–500, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Guo:2012:IEP

[GLGW12] Y. W. Guo, M. Liu, T. T. Gu, and W. P. Wang. Image editing and processing: Improving photo composition elegantly: Considering image similarity during composition optimization. *Computer Graphics Forum*, 31(7pt2):2193–2202, September 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gao:2013:SCD

[GLHH13] Lin Gao, Yu-Kun Lai, Qi-Xing Huang, and Shi-Min Hu. Shape correspondences: a data-driven approach to realistic shape morphing. *Computer Graphics Forum*, 32(2pt4):449–457, May 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gehre:2016:CSA

[GLK16] Anne Gehre, Isaak Lim, and Leif Kobbelt. Curves & surfaces: Adapting feature curve networks to a prescribed scale. *Computer Graphics Forum*, 35(2):319–330, May 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gehre:2018:FCC

[GLK18] Anne Gehre, Isaak Lim, and Leif Kobbelt. Feature curve co-completion in noisy data. *Computer Graphics Forum*, 37(2): 1–12, May 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gurung:2011:MPS

[GLLR11] Topraj Gurung, Daniel Laney, Peter Lindstrom, and Jarek Rossignac. Mesh processing and surface reconstruction: SQuad: Compact representation for triangle meshes. *Computer Graphics Forum*, 30(2):355–364, April 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Galerne:2017:TN

[GLM17] B. Galerne, A. Leclaire, and L. Moisan. Texton noise. *Computer Graphics Forum*, 36(8):205–218, December 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Guo:2016:MDC

[GLX+16] Xuekun Guo, Juncong Lin, Kai Xu, Siddhartha Chaudhuri, and Xiaogang Jin. Modeling and design: CustomCut: On-demand extraction of customized 3D parts with 2D sketches. *Computer Graphics Forum*, 35(5):89–100, August 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ganter:2019:ARC

[GM19] D. Ganter and M. Manzke. An analysis of region clustered BVH volume rendering on GPU. *Computer Graphics Forum*, 38(8): 13–21, November 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gerhards:2015:RTR

[GMAG15] J. Gerhards, F. Mora, L. Aveneau, and D. Ghazanfarpour. Real-time rendering & quantization: Partitioned shadow volumes. *Computer Graphics Forum*, 34(2):549–559, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Geisler-Moroder:2010:CGT

[GMD10] David Geisler-Moroder and Arne Dür. Computer graphics theory: a new Ward BRDF model with bounded albedo. *Computer Graphics Forum*, 29(4):1391–1398, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Garces:2012:IAE

[GMLMG12] Elena Garces, Adolfo Munoz, Jorge Lopez-Moreno, and Diego Gutierrez. Image analysis and editing: Intrinsic images by clustering. *Computer Graphics Forum*, 31(4):1415–1424, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Glondu:2012:MSE

[GMM+12] L. Glondu, L. Muguercia, M. Marchal, C. Bosch, H. Rushmeier, G. Dumont, and G. Drettakis. Material synthesis: Example-based fractured appearance. *Computer Graphics Forum*, 31(4): 1547–1556, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gain:2015:PPM

[GMM15] J. Gain, B. Merry, and P. Marais. Procedural and parametric modeling: Parallel, realistic and controllable terrain synthesis. *Computer Graphics Forum*, 34(2):105–116, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gastal:2010:VSS

[GO10] Eduardo S. L. Gastal and Manuel M. Oliveira. Video: Shared sampling for real-time Alpha matting. *Computer Graphics Forum*, 29(2):575–584, May 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gastal:2015:IVP

[GO15] Eduardo S. L. Gastal and Manuel M. Oliveira. Image and video processing: High-order recursive filtering of non-uniformly sampled signals for image and video processing. *Computer Graphics Forum*, 34(2):81–93, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gretarsson:2010:GSV

[GOB+10] Brynjar Gretarsson, John O'Donovan, Svetlin Bostandjiev, Christopher Hall, and Tobias Höllerer. Graphs: SmallWorlds: Visualizing social recommendations. *Computer Graphics Forum*, 29(3):833–842, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Glasser:2010:ATF

[GOH+10] S. Glaßer, S. Oeltze, A. Hennemuth, C. Kubisch, A. Mahnken, S. Wilhelmsen, and B. Preim. Automatic transfer function specification for visual emphasis of coronary artery plaque. *Computer Graphics Forum*, 29(1):191–201, March 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Germer:2011:FVL

[GOPT11] T. Germer, M. Otto, R. Peikert, and H. Theisel. Flow visualization: Lagrangian coherent structures with guaranteed material separation. *Computer Graphics Forum*, 30(3):761–770, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gove:2019:RSF

[Gov19] R. Gove. A random sampling $O(n)$ force-calculation algorithm for graph layouts. *Computer Graphics Forum*, 38(3):739–751, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Geijtenbeek:2012:ICA

[GP12] T. Geijtenbeek and N. Pronost. Interactive character animation using simulated physics: a state-of-the-art review. *Computer Graphics Forum*, 31(8):2492–2515, December 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gonzalez:2016:CIT

[GP16] F. Gonzalez and G. Patow. Continuity and interpolation techniques for computer graphics. *Computer Graphics Forum*, 35 (1):309–322, February 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gkaravelis:2018:LOD

[GP18] Anastasios Gkaravelis and Georgios Papaioannou. Light optimization for detail highlighting. *Computer Graphics Forum*, 37 (7):37–44, October 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Grosbellet:2016:EOA

[GPG+16] François Grosbellet, Adrien Peytavie, Éric Guérin, Éric Galin, Stéphane Mérillou, and Bedrich Benes. Environmental objects for authoring procedural scenes. *Computer Graphics Forum*, 35 (1):296–308, February 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Galin:2011:PMN

[GPGB11] Eric Galin, Adrien Peytavie, Eric Guérin, and Bedřich Beneš. Procedural modeling & natural phenomena: Authoring hierarchical road networks. *Computer Graphics Forum*, 30(7):2021–2030, September 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Grittmann:2018:ECR

[GPGSK18] Pascal Grittmann, Arsène Pérard-Gayot, Philipp Slusallek, and Jaroslav Křivánek. Efficient caustic rendering with lightweight photon mapping. *Computer Graphics Forum*, 37(4):133–142, July 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Germann:2012:LFR

[GPK+12] Marcel Germann, Tiberiu Popa, Richard Keiser, Remo Ziegler, and Markus Gross. Light fields and reflectance: Novel-view synthesis of outdoor sport events using an adaptive view-dependent geometry. *Computer Graphics Forum*, 31(2pt1):325–333, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Guo:2018:NUF

[GPM+18] J. Guo, Q. K. Pei, G. L. Ma, L. Liu, and X. Y. Zhang. A new uniform format for 360 VR videos. *Computer Graphics Forum*, 37(7):245–253, October 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Galin:2010:VWP

[GPMG10] E. Galin, A. Peytavie, N. Maréchal, and E. Guérin. Virtual worlds: Procedural generation of roads. *Computer Graphics Forum*, 29(2):429–438, May 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gourmel:2010:RTC

[GPP+10] Olivier Gourmel, Anthony Pajot, Mathias Paulin, Loïc Barthe, and Pierre Poulin. Ray tracing and culling: Fitted BVH for fast raytracing of metaballs. *Computer Graphics Forum*, 29 (2):281–288, May 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gryaditskaya:2015:EVM

[GPR+15] Yulia Gryaditskaya, Tania Pouli, Erik Reinhard, Karol Myszkowski, and Hans-Peter Seidel. Exposure and video: Motion aware exposure bracketing for HDR video. *Computer Graphics Forum*, 34(4):119–130, July 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gryaditskya:2014:RSB

[GPRS14] Yulia Gryaditskya, Tania Pouli, Erik Reinhard, and Hans-Peter Seidel. Rendering: Sky based light metering for high dynamic range images. *Computer Graphics Forum*, 33(7):61–69, October 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Groller:2011:E

[GR11] Eduard Gröller and Holly Rushmeier. Editorial. *Computer Graphics Forum*, 30(1):1–2, March 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gruson:2013:RSE

[GRC13] A. Gruson, M. Ribardière, and R. Cozot. Rendering (session 1): Eye-centered color adaptation in global illumination. *Computer Graphics Forum*, 32(7):111–120, October 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Grottel:2010:ACC

[GRDE10] Sebastian Grottel, Guido Reina, Carsten Dachsbacher, and Thomas Ertl. Acceleration: Coherent culling and shading for large molecular dynamics visualization. *Computer Graphics Forum*, 29(3):953–962, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ghani:2011:ODF

[GRE11] S. Ghani, N. Henry Riche, and N. Elmqvist. Overview & detail, focus+context visualization: Dynamic insets for context-aware graph navigation. *Computer Graphics Forum*, 30(3):861–870, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Groller:2011:CC

[Grö11] M. Eduard Gröller. Capstone: Capstone. *Computer Graphics Forum*, 30(3):xiv, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Grosso:2016:RCT

[Gro16] Roberto Grosso. Reconstruction: Construction of topologically correct and manifold isosurfaces. *Computer Graphics Forum*, 35(5):187–196, August 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gilles:2010:CAS

[GRP10] B. Gilles, L. Revéret, and D. K. Pai. Creating and animating subject-specific anatomical models. *Computer Graphics Forum*, 29(8):2340–2351, December 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gruendl:2016:TSD

[GRPF16] Henning Gruendl, Patrick Riehmann, Yves Pausch, and Bernd Froehlich. Time series data and sequences: Time-series plots integrated in parallel-coordinates displays. *Computer Graphics*

Forum, 35(3):321–330, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gunther:2016:GIS

[GRR+16] Tobias Günther, Kai Rohmer, Christian Rössl, Thorsten Grosch, and Holger Theisel. Global illumination: Stylized caustics: Progressive rendering of animated caustics. *Computer Graphics Forum*, 35(2):243–252, May 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gunther:2014:VHO

[GRT14] Tobias Günther, Christian Rössl, and Holger Theisel. Visualization: Hierarchical opacity optimization for sets of 3D line fields. *Computer Graphics Forum*, 33(2):507–516, May 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gerrits:2018:APV

[GRT18] Tim Gerrits, Christian Rössl, and Holger Theisel. An approximate parallel vectors operator for multiple vector fields. *Computer Graphics Forum*, 37(3):315–326, June 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gerrits:2019:TGU

[GRT19] Tim Gerrits, Christian Rössl, and Holger Theisel. Towards glyphs for uncertain symmetric second-order tensors. *Computer Graphics Forum*, 38(3):325–336, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gafni:2014:RMC

[GS14] Niv Gafni and Andrei Sharf. Reconstruction: 3D motion completion in crowded scenes. *Computer Graphics Forum*, 33(5): 65–74, August 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Golla:2018:PLM

[GSC18] Björn Golla, Hans-Peter Seidel, and Renjie Chen. Piecewise linear mapping optimization based on the complex view. *Computer Graphics Forum*, 37(7):233–243, October 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Guingo:2017:MTB

[GSDC17] Geoffrey Guingo, Basile Sauvage, Jean-Michel Dischler, and Marie-Paule Cani. Materials and textures: Bi-layer textures: a model for synthesis and deformation of composite textures. *Computer Graphics Forum*, 36(4):111–122, July 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ganapathi-Subramanian:2018:MLS

[GSDG18] Vignesh Ganapathi-Subramanian, Olga Diamanti, and Leonidas J. Guibas. Modular latent spaces for shape correspondences. *Computer Graphics Forum*, 37(5):199–210, August 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gladisch:2014:GVS

[GSE+14a] S. Gladisch, H. Schumann, M. Ernst, G. Füllen, and C. Tominski. Graph visualization: Semi-automatic editing of graphs with customized layouts. *Computer Graphics Forum*, 33(3):381–390, June 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gunther:2014:FVO

[GSE+14b] Tobias Günther, Maik Schulze, Janick Martinez Esturo, Christian Rössl, and Holger Theisel. Flow visualization: Opacity optimization for surfaces. *Computer Graphics Forum*, 33(3): 11–20, June 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gain:2010:AAC

[GSHM10] J. Gain, W. Straßer, A. Hardy, and P. Marais. Afrigraph: The African Computer Graphics Association and its activities. *Computer Graphics Forum*, 29(1):1, March 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gao:2019:FPO

[GSP19] Xifeng Gao, Hanxiao Shen, and Daniele Panozzo. Feature preserving octree-based hexahedral meshing. *Computer Graphics Forum*, 38(5):135–149, August 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gunther:2014:TMC

[GST14] David Günther, Joseph Salmon, and Julien Tierny. Topology: Mandatory critical points of 2D uncertain scalar fields. *Computer Graphics Forum*, 33(3):31–40, June 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ganapathi-Subramanian:2016:FCS

[GSTOG16] V. Ganapathi-Subramanian, B. Thibert, M. Ovsjanikov, and L. Guibas. Functional correspondence: Stable region correspondences between non-isometric shapes. *Computer Graphics Forum*, 35(5):121–133, August 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gunther:2012:EDE

[GSW12] D. Günther, H.-P. Seidel, and T. Weinkauf. Extraction of dominant extremal structures in volumetric data using separatrix persistence. *Computer Graphics Forum*, 31(8):2554–2566, December 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gregson:2011:SAH

[GSZ11] James Gregson, Alla Sheffer, and Eugene Zhang. Section 2: All-hex mesh generation via volumetric PolyCube deformation. *Computer Graphics Forum*, 30(5):1407–1416, August 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gunther:2015:FVF

[GT15] Tobias Günther and Holger Theisel. Flow visualization: Finite-time mass separation for comparative visualizations of inertial particles. *Computer Graphics Forum*, 34(3):471–480, June 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gunther:2016:FVS

[GT16a] Tobias Günther and Holger Theisel. Flow visualization: Source inversion by forward integration in inertial flows. *Computer Graphics Forum*, 35(3):371–380, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gunther:2016:VIS

[GT16b] Tobias Günther and Holger Theisel. Visualization: Inertial steady 2D vector field topology. *Computer Graphics Forum*, 35(2):455–466, May 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gunther:2018:SAV

[GT18] Tobias Günther and Holger Theisel. The state of the art in vortex extraction. *Computer Graphics Forum*, 37(6):149–173, September 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Graham:2013:RMB

[GTB+13] Paul Graham, Borom Tunwattanapong, Jay Busch, Xueming Yu, Andrew Jones, Paul Debevec, and Abhijeet Ghosh. Reality: Measurement-based synthesis of facial microgeometry. *Computer Graphics Forum*, 32(2pt3):335–344, May 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Guy:2014:SSS

[GTB14] Emilie Guy, Jean-Marc Thiery, and Tamy Boubekeur. Surfaces I: SimSelect: Similarity-based selection for 3D surfaces. *Computer Graphics Forum*, 33(2):165–173, May 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gunther:2017:DOO

[GTG17] Tobias Günther, Holger Theisel, and Markus Gross. Decoupled opacity optimization for points, lines and surfaces. *Computer Graphics Forum*, 36(2):153–162, May 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Granados:2012:IVR

[GTK+12] M. Granados, J. Tompkin, K. Kim, O. Grau, J. Kautz, and C. Theobalt. Image & video retargeting: How not to be seen — object removal from videos of crowded scenes. *Computer Graphics Forum*, 31(2pt1):219–228, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gao:2018:PCP

[GTL+18] Chengying Gao, Mengyue Tang, Xiangguo Liang, Zhuo Su, and Changqing Zou. PencilArt: a chromatic penciling style generation framework. *Computer Graphics Forum*, 37(6):395–409, September 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gallo:2012:CPM

[GTM+12] O. Gallo, M. Tico, R. Manduchi, N. Gelfand, and K. Pulli. Computational photography: Metering for exposure stacks. *Computer Graphics Forum*, 31(2pt2):479–488, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Goferman:2010:SCP

[GTZM10] Stas Goferman, Ayellet Tal, and Lihi Zelnik-Manor. Stitching and compositing: Puzzle-like collage. *Computer Graphics Forum*, 29(2):459–468, May 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Guillen:2017:GTA

[GUK+17] Ibón Guillén, Carlos Ureña, Alan King, Marcos Fajardo, Iliyan Georgiev, Jorge López-Moreno, and Adrian Jarabo. Geometric techniques: Area-preserving parameterizations for spherical ellipses. *Computer Graphics Forum*, 36(4):179–187, July 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Garcia:2012:DSU

[GUS12] R. García, C. Ureña, and M. Sbert. Description and solution of an unreported intrinsic bias in photon mapping density estimation with constant kernel. *Computer Graphics Forum*, 31 (1):33–41, February 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Garrido:2015:AAF

[GVS+15] P. Garrido, L. Valgaerts, H. Sarmadi, I. Steiner, K. Varanasi, P. Pérez, and C. Theobalt. All about faces: VDub: Modifying face video of actors for plausible visual alignment to a dubbed audio track. *Computer Graphics Forum*, 34(2):193–204, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Gal:2010:SCS

[GWO+10] Ran Gal, Yonatan Wexler, Eyal Ofek, Hugues Hoppe, and Daniel Cohen-Or. Stitching and compositing: Seamless Montage for texturing models. *Computer Graphics Forum*, 29(2):

479–486, May 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Guo:2019:DLD

[GZH+19] Yi Guo, Zhuming Zhang, Chu Han, Wenbo Hu, Chengze Li, and Tien-Tsin Wong. Deep line drawing vectorization via line subdivision and topology reconstruction. *Computer Graphics Forum*, 38(7):81–90, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hahne:2011:IEE

[HA11] Uwe Hahne and Marc Alexa. Image enhancement: Exposure fusion for time-of-flight imaging. *Computer Graphics Forum*, 30(7):1887–1894, September 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Horacsek:2017:CSB

[HA17] J. J. Horacsek and U. R. Alim. Compactly supported biorthogonal wavelet bases on the body centered cubic lattice. *Computer Graphics Forum*, 36(3):35–45, June 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Herholz:2019:ECS

[HA19] Philipp Herholz and Marc Alexa. Efficient computation of smoothed exponential maps. *Computer Graphics Forum*, 38 (6):79–90, September 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Huang:2019:BRL

[HAGO19] Ruqi Huang, Panos Achlioptas, Leonidas Guibas, and Maks Ovsjanikov. Book review: *Limit Shapes — A Tool for Understanding Shape Differences and Variability in* 3*D Model Collections*. *Computer Graphics Forum*, 38(5):187–202, August 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Heitz:2019:DMC

[HB19] E. Heitz and L. Belcour. Distributing Monte Carlo errors as a blue noise in screen space by permuting pixel seeds between frames. *Computer Graphics Forum*, 38(4):149–158, July 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hildebrand:2012:MSC

[HBA12] Kristian Hildebrand, Bernd Bickel, and Marc Alexa. Making and shadowing: crdbrd: Shape fabrication by sliding planar slices. *Computer Graphics Forum*, 31(2pt3):583–592, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hadrich:2017:IMA

[HBDP17] Torsten Hädrich, Bedrich Benes, Oliver Deussen, and Sören Pirk. Interactive modeling and authoring of climbing plants. *Computer Graphics Forum*, 36(2):49–61, May 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hoffswell:2018:SHL

[HBH18] Jane Hoffswell, Alan Borning, and Jeffrey Heer. SetCoLa: High-level constraints for graph layout. *Computer Graphics Forum*, 37(3):537–548, June 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hu:2017:SRH

[HBLB17] Liwen Hu, Derek Bradley, Hao Li, and Thabo Beeler. Simulation-ready hair capture. *Computer Graphics Forum*, 36 (2):281–294, May 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hillaire:2010:UVA

[HBO+10] S. Hillaire, G. Breton, N. Ouarti, R. Cozot, and A. Lécuyer. Using a visual attention model to improve gaze tracking systems in interactive 3D applications. *Computer Graphics Forum*, 29(6):1830–1841, September 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Harvey:2018:OSR

[HBRD+18] Carlo Harvey, Thomas Bashford-Rogers, Kurt Debattista, Efstratios Doukakis, and Alan Chalmers. Olfaction and selective rendering. *Computer Graphics Forum*, 37(1):350–362, February 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Halter:2019:VVA

[HBRFP19] Gaudenz Halter, Rafael Ballester-Ripoll, Barbara Flueckiger, and Renato Pajarola. VIAN: a visual annotation tool for film analysis. *Computer Graphics Forum*, 38(3):119–129, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Happa:2012:CHP

[HBRW+12] Jassim Happa, Tom Bashford-Rogers, Alexander Wilkie, Alessandro Artusi, Kurt Debattista, and Alan Chalmers. Cultural heritage predictive rendering. *Computer Graphics Forum*, 31(6):1823–1836, September 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Heinrich:2011:VAP

[HBW11] J. Heinrich, S. Bachthaler, and D. Weiskopf. 2D visualization by aggregation: Progressive splatting of continuous scatterplots and parallel coordinates. *Computer Graphics Forum*, 30 (3):653–662, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hoque:2014:DTV

[HC14] E. Hoque and G. Carenini. Document and text visualization: ConVis: a visual text analytic system for exploring blog conversations. *Computer Graphics Forum*, 33(3):221–230, June 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Herzog:2012:PGN

[HČA+12] Robert Herzog, Martin Čadík, Tunç O. Aydčin, Kwang In Kim, Karol Myszkowski, and Hans-P. Seidel. Perceptual graphics: NoRM: No-reference image quality metric for realistic image synthesis. *Computer Graphics Forum*, 31(2pt3):545–554, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Halperin:2019:CSA

[HCBW19] Tavi Halperin, Harel Cain, Ofir Bibi, and Michael Werman. Clear skies ahead: Towards real-time automatic sky replacement in video. *Computer Graphics Forum*, 38(2):207–218, May 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hamdi-Cherif:2018:SRP

[HCDC18] Azzouz Hamdi-Cherif, Julie Digne, and Raphaëlle Chaine. Super-resolution of point set surfaces using local similarities.

Computer Graphics Forum, 37(1):60–70, February 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

He:2014:SAM

[HCGW14] Shuiqing He, Yi-King Choi, Yanwen Guo, and Wenping Wang. Spectral analysis on medial axis of 2D shapes. *Computer Graphics Forum*, 33(8):109–120, December 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Habel:2013:SSM

[HCJ13] Ralf Habel, Per H. Christensen, and Wojciech Jarosz. Surface and subsurface materials: Photon beam diffusion: a hybrid Monte Carlo method for subsurface scattering. *Computer Graphics Forum*, 32(4):27–37, July 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Huang:2018:SFM

[HCO18] R. Huang, F. Chazal, and M. Ovsjanikov. On the stability of functional maps and shape difference operators. *Computer Graphics Forum*, 37(1):145–158, February 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Huang:2016:MIR

[HCSC16] Chun-Kai Huang, Yi-Ling Chen, I-Chao Shen, and Bing-Yu Chen. Matching and interpolation: Retargeting 3D objects and scenes with a general framework. *Computer Graphics Forum*, 35(7):33–42, October 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hefetz:2017:SAV

[HCW17] Eden Fedida Hefetz, Edward Chien, and Ofir Weber. Shape analysis and variation: Fast planar harmonic deformations with alternating tangential projections. *Computer Graphics Forum*, 36(5):175–188, August 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hefetz:2019:SMF

[HCW19] Eden Fedida Hefetz, Edward Chien, and Ofir Weber. A subspace method for fast locally injective harmonic mapping. *Computer Graphics Forum*, 38(2):105–119, May 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hanika:2014:REM

[HD14a] Johannes Hanika and Carsten Dachsbacher. Rendering: Efficient Monte Carlo rendering with realistic lenses. *Computer Graphics Forum*, 33(2):323–332, May 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Heitz:2014:SIS

[Hd14b] E. Heitz and E. d'Eon. Sampling: Importance sampling microfacet-based BSDFs using the distribution of visible normals. *Computer Graphics Forum*, 33(4):103–112, July 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Harvey:2017:MMP

[HDBRC17] Carlo Harvey, Kurt Debattista, Thomas Bashford-Rogers, and Alan Chalmers. Multi-modal perception for selective rendering. *Computer Graphics Forum*, 36(1):172–183, January 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hanika:2015:LPM

[HDF15] Johannes Hanika, Marc Droske, and Luca Fascione. Light paths: Manifold next event estimation. *Computer Graphics Forum*, 34(4):87–97, July 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hanika:2011:IEE

[HDL11] Johannes Hanika, Holger Dammertz, and Hendrik Lensch. Image enhancement: Edge-optimized À-trous wavelets for local contrast enhancement with robust denoising. *Computer Graphics Forum*, 30(7):1879–1886, September 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hruda:2019:ECR

[HDV19] L. Hruda, J. Dvořák, and L. Váša. On evaluating consensus in RANSAC surface registration. *Computer Graphics Forum*, 38(5):175–186, August 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Han:2016:CAD

[HENfSYS16] Daseong Han, Haegwang Eom, Junyong Noh, and Joseph S. Shin (formerly Sung Yong Shin). Cloth & animation: Data-guided model predictive control based on smoothed contact dynamics. *Computer Graphics Forum*, 35(2):533–543, May 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hurter:2012:GDG

[HET12] C. Hurter, O. Ersoy, and A. Telea. Graphs and diagrams: Graph bundling by kernel density estimation. *Computer Graphics Forum*, 31(3pt1):865–874, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Herholz:2016:LTP

[HEV+16] Sebastian Herholz, Oskar Elek, Jiří Vorba, Hendrik Lensch, and Jaroslav Křivánek. Light transport: Product importance sampling for light transport path guiding. *Computer Graphics Forum*, 35(4):67–77, July 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Huber:2015:BHC

[HEW15] M. Huber, B. Eberhardt, and D. Weiskopf. Boundary handling at cloth-fluid contact. *Computer Graphics Forum*, 34(1):14–25, February 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Huberman:2016:RLV

[HF16] Inbar Huberman and Raanan Fattal. Reducing lateral visual biases in displays. *Computer Graphics Forum*, 35(8):19–31, December 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hilsmann:2013:MPS

[HFE13] A. Hilsmann, P. Fechteler, and P. Eisert. Models: Pose space image based rendering. *Computer Graphics Forum*, 32(2pt3): 265–274, May 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hu:2012:SAC

[HFL12] Ruizhen Hu, Lubin Fan, and Ligang Liu. Shape analysis: Cosegmentation of 3D shapes via subspace clustering. *Computer Graphics Forum*, 31(5):1703–1713, August 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Havran:2010:BTF

[HFM10] V. Havran, J. Filip, and K. Myszkowski. Bidirectional texture function compression based on multi-level vector quantization. *Computer Graphics Forum*, 29(1):175–190, March 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Havran:2016:CNP

[HFM16] V. Havran, J. Filip, and K. Myszkowski. Capturing nature: Perceptually motivated BRDF comparison using single image. *Computer Graphics Forum*, 35(4):1–12, July 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Huang:2013:SCM

[HG13] Qi-Xing Huang and Leonidas Guibas. Shape collections and maps: Consistent shape maps via semidefinite programming. *Computer Graphics Forum*, 32(5):177–186, August 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Heimerl:2018:IAW

[HG18] F. Heimerl and M. Gleicher. Interactive analysis of word vector embeddings. *Computer Graphics Forum*, 37(3):253–265, June 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hnaidi:2010:MFB

[HGA+10] Houssam Hnaidi, Eric Guérin, Samir Akkouche, Adrien Peytavie, and Eric Galin. Modeling: Feature based terrain generation using diffusion equation. *Computer Graphics Forum*, 29(7):2179–2186, September 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hoferlin:2010:AVV

[HGB+10] M. Höferlin, E. Grundy, R. Borgo, D. Weiskopf, M. Chen, I. W. Griffiths, and W. Griffiths. Applications: Video visualization for snooker skill training. *Computer Graphics Forum*, 29(3):1053–1062, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hummel:2011:CCI

[HGH+11] Mathias Hummel, Christoph Garth, Bernd Hamann, Hans Hagen, and Kenneth I. Joy. CGF cover image 2011: Illustrative visualization of a vortex breakdown bubble. *Computer Graphics Forum*, 30(1):235–236, March 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hua:2017:GDP

[HGNH17] Binh-Son Hua, Adrien Gruson, Derek Nowrouzezahrai, and Toshiya Hachisuka. Gradient-domain photon density estimation. *Computer Graphics Forum*, 36(2):31–38, May 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Henz:2018:DJD

[HGO18] Bernardo Henz, Eduardo S. L. Gastal, and Manuel M. Oliveira. Deep joint design of color filter arrays and demosaicing. *Computer Graphics Forum*, 37(2):389–399, May 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hua:2019:SGD

[HGP+19] Binh-Son Hua, Adrien Gruson, Victor Petitjean, Matthias Zwicker, Derek Nowrouzezahrai, Elmar Eisemann, and Toshiya Hachisuka. A survey on gradient-domain rendering. *Computer Graphics Forum*, 38(2):455–472, May 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hofmann:2017:VEG

[HGRS+17] J. Hofmann, M. Größler, M. Rubio-Sánchez, P.-P. Pichler, and D. J. Lehmann. Visual exploration of global trade networks with time-dependent and weighted hierarchical edge bundles on GPU. *Computer Graphics Forum*, 36(3):273–282, June 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hoberock:2010:AIF

[HH10] Jared Hoberock and John C. Hart. Arbitrary importance functions for Metropolis light transport. *Computer Graphics Forum*, 29(6):1993–2003, September 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hapala:2011:RTT

[HH11] M. Hapala and V. Havran. Review: *kd*-tree traversal algorithms for ray tracing. *Computer Graphics Forum*, 30(1):199–213, March 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Herholz:2017:DDV

[HHA17] Philipp Herholz, Felix Haase, and Marc Alexa. Diffusion diagrams: Voronoi cells and centroids from diffusion. *Computer Graphics Forum*, 36(2):163–175, May 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Huettenberger:2013:TTM

[HHC+13] L. Huettenberger, C. Heine, H. Carr, G. Scheuermann, and C. Garth. Topology: Towards multifield scalar topology based on Pareto optimality. *Computer Graphics Forum*, 32(3pt3): 341–350, June 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Huang:2018:RIC

[HHCJ18] Z. Y. Huang, M. Holloway, N. Carr, and T. Ju. Repairing inconsistent curve networks on non-parallel cross-sections. *Computer Graphics Forum*, 37(2):25–35, May 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hulusic:2012:ARA

[HHD+12] Vedad Hulusic, Carlo Harvey, Kurt Debattista, Nicolas Tsingos, Steve Walker, David Howard, and Alan Chalmers. Acoustic rendering and auditory–visual cross-modal perception and interaction. *Computer Graphics Forum*, 31(1):102–131, February 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hostettler:2015:SDB

[HHGJ15] Rafael Hostettler, Ralf Habel, Markus Gross, and Wojciech Jarosz. Stylization: Dispersion-based color projection using masked prisms. *Computer Graphics Forum*, 34(7):329–338, October 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hullin:2012:OPO

[HHH12] Matthias B. Hullin, Johannes Hanika, and Wolfgang Heidrich. Optics: Polynomial optics: a construction kit for efficient ray-tracing of lens systems. *Computer Graphics Forum*, 31(4):1375–1383, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Havran:2019:ISR

[HHNČ19] V. Havran, J. Hošek, Š. Němcová, and J. Čáp. Increasing the spatial resolution of BTF measurement with scheimpflug imaging. *Computer Graphics Forum*, 38(1):592–609, February 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Huang:2012:RST

[HHRZ12] Xuezhen Huang, Qiming Hou, Zhong Ren, and Kun Zhou. Rendering systems and techniques: Scalable programmable motion effects on GPUs. *Computer Graphics Forum*, 31(7pt2):2259–2266, September 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hosu:2014:IIL

[HHS14] Vlad Hosu, Mai Lan Ha, and Terence Sim. Images II: Light montage for perceptual image enhancement. *Computer Graphics Forum*, 33(2):185–194, May 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hao:2011:TDV

[HJM+11] M. C. Hao, H. Janetzko, S. Mittelstädt, W. Hill, U. Dayal, D. A. Keim, M. Marwah, and R. K. Sharma. Temporal data visualization: a visual analytics approach for peak-preserving prediction of large seasonal time series. *Computer Graphics Forum*, 30(3):691–700, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hummel:2017:VPM

[HJS+17] M. Hummel, L. Jöckel, J. Schäfer, M. W. Hlawitschka, and C. Garth. Visualizing probabilistic multi-phase fluid simulation data using a sampling approach. *Computer Graphics Forum*, 36(3):469–477, June 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Habbecke:2012:IMU

[HK12] Martin Habbecke and Leif Kobbelt. Interactive modeling and user interfaces: Linear analysis of nonlinear constraints for interactive geometric modeling. *Computer Graphics Forum*, 31 (2pt3):641–650, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Han:2016:DSO

[HK16] D. Han and J. Keyser. Deformable & soft objects: Effect of low-level visual details in perception of deformation. *Computer Graphics Forum*, 35(2):375–383, May 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Herholz:2015:QPP

[HKA15] Philipp Herholz, Jan Eric Kyprianidis, and Marc Alexa. Quads and polygons: Perfect Laplacians for polygon meshes. *Computer Graphics Forum*, 34(5):211–218, August 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hanika:2015:LPI

[HKD15] Johannes Hanika, Anton Kaplanyan, and Carsten Dachsbacher. Light paths: Improved half vector space light transport. *Computer Graphics Forum*, 34(4):65–74, July 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hullman:2017:FCP

[HKL17] Jessica Hullman, Robert Kosara, and Heidi Lam. Finding a clear path: Structuring strategies for visualization sequences. *Computer Graphics Forum*, 36(3):365–375, June 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Huang:2015:DSS

[HKM15] Haibin Huang, Evangelos Kalogerakis, and Benjamin Marlin. Descriptors and shape synthesis: Analysis and synthesis of 3D shape families via deep-learned generative models of surfaces. *Computer Graphics Forum*, 34(5):25–38, August 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hwang:2018:RTL

[HKSK18] Jaepyung Hwang, Jongmin Kim, Il Hong Suh, and Taesoo Kwon. Real-time locomotion controller using an Inverted-Pendulum-based abstract model. *Computer Graphics Forum*, 37(2):287–296, May 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kim:2017:CSS

[hKTL+17] Seong heum Kim, Yu-Wing Tai, Joon-Young Lee, Jaesik Park, and In So Kweon. Category-specific salient view selection via deep convolutional neural networks. *Computer Graphics Forum*, 36(8):313–328, December 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Habel:2012:CPP

[HKW12] Ralf Habel, Michael Kudenov, and Michael Wimmer. Computational photography: Practical spectral photography. *Computer Graphics Forum*, 31(2pt2):449–458, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

He:2013:SCT

[HL13] S. He and R. W. H. Lau. Synthetic controllable turbulence using robust second vorticity confinement. *Computer Graphics Forum*, 32(1):27–35, February 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hergel:2014:CPC

[HL14] Jean Hergel and Sylvain Lefebvre. Cutting and printing: Clean color: Improving multi-filament 3D prints. *Computer Graphics Forum*, 33(2):469–478, May 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hergel:2015:FFM

[HL15] Jean Hergel and Sylvain Lefebvre. Fabrication: 3D fabrication of 2D mechanisms. *Computer Graphics Forum*, 34(2):229–238, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hu:2018:MSS

[HL18] Chen-Hui Hu and Wen-Chieh Lin. Motion sickness simulation based on sensorimotor control. *Computer Graphics Forum*, 37 (2):475–484, May 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hao:2019:CVP

[HL19] Yue Hao and Jyh-Ming Lien. Compacting voxelized polyhedra via tree stacking. *Computer Graphics Forum*, 38(7):323–333, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Heine:2016:FES

[HLH+16a] C. Heine, H. Leitte, M. Hlawitschka, F. Iuricich, L. De Floriani, G. Scheuermann, H. Hagen, and C. Garth. Feature extraction for scalar and vector fields: A survey of topology-based methods in visualization. *Computer Graphics Forum*, 35(3):643–667, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Huang:2016:VNT

[HLH+16b] H. Huang, D. Lischinski, Z. Hao, M. Gong, M. Christie, and D. Cohen-Or. Visualization/NPR: Trip synopsis: 60km in 60sec. *Computer Graphics Forum*, 35(7):107–116, October 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hughes:2013:ICK

[HLJ+13] D. M. Hughes, I. S. Lim, M. W. Jones, A. Knoll, and B. Spencer. InK-Compact: In-kernel stream compaction and its application to multi-kernel data visualization on general-purpose GPUs. *Computer Graphics Forum*, 32(6):178–188, September 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

He:2012:LPS

[HLL+12] Xiaowei He, Ning Liu, Sheng Li, Hongan Wang, and Guoping Wang. Local Poisson SPH for viscous incompressible fluids. *Computer Graphics Forum*, 31(6):1948–1958, September 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hyun:2016:CAM

[HLL16] Kyunglyul Hyun, Kyungho Lee, and Jehee Lee. Character animation: Motion grammars for character animation. *Computer Graphics Forum*, 35(2):103–113, May 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hu:2019:SSB

[HLL+19] Chen-Hui Hu, Chien-Ying Lee, Yen-Ting Liou, Feng-Yu Sung, and Wen-Chieh Lin. Skiing simulation based on skill-guided motion planning. *Computer Graphics Forum*, 38(6):66–78, September 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hullin:2011:SAD

[HLR+11] Matthias B. Hullin, Hendrik P. A. Lensch, Ramesh Raskar, Hans-Peter Seidel, and Ivo Ihrke. Surface appearance: Dynamic display of BRDFs. *Computer Graphics Forum*, 30(2):475–483, April 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

He:2012:PTM

[HLS12] Lei He, Charles Loop, and Scott Schaefer. Parameterization and texture mapping: Improving the parameterization of approximate subdivision surfaces. *Computer Graphics Forum*, 31 (7pt1):2127–2134, September 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hennessey:2015:GII

[HM15] James W. Hennessey and Niloy J. Mitra. Geometry and images: an image degradation model for depth-augmented image editing. *Computer Graphics Forum*, 34(5):191–199, August 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Herholz:2015:FAF

[HMA15] Philipp Herholz, Wojciech Matusik, and Marc Alexa. Fabrication: Approximating free-form geometry with height fields for manufacturing. *Computer Graphics Forum*, 34(2):239–251, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hendrich:2017:PBC

[HMB17] J. Hendrich, D. Meister, and J. Bittner. Parallel BVH construction using progressive hierarchical refinement. *Computer Graphics Forum*, 36(2):487–494, May 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hajisharif:2019:LFV

[HML+19] Saghi Hajisharif, Ehsan Miandji, Per Larsson, Kiet Tran, and Jonas Unger. Light field video compression and real time rendering. *Computer Graphics Forum*, 38(7):265–276, October

2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ha:2013:APS

[HMLP13] Sehoon Ha, Jim McCann, C. Karen Liu, and Jovan Popović. Animation: Physics storyboards. *Computer Graphics Forum*, 32(2pt2):133–142, May 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Herghelegiu:2012:MVB

[HMP+12] P. C. Herghelegiu, V. Manta, R. Perin, S. Bruckner, and E. Gröller. Medical visualization: Biopsy planner — visual analysis for needle pathway planning in deep seated brain tumor biopsy. *Computer Graphics Forum*, 31(3pt2):1085–1094, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hermosilla:2019:DLL

[HMRR19] P. Hermosilla, S. Maisch, T. Ritschel, and T. Ropinski. Deep-learning the latent space of light transport. *Computer Graphics Forum*, 38(4):207–217, July 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Heckel:2013:SBE

[HMTH13] Frank Heckel, Jan H. Moltz, Christian Tietjen, and Horst K. Hahn. Sketch-based editing tools for tumour segmentation in 3D medical images. *Computer Graphics Forum*, 32(8):144–157, December 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Herzog:2015:CML

[HMW+15] Robert Herzog, Daniel Mewes, Michael Wand, Leonidas Guibas, and Hans-Peter Seidel. Correspondence and matching: LeSSS: Learned shared semantic spaces for relating multimodal representations of 3D shapes. *Computer Graphics Forum*, 34(5):141–151, August 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Han:2014:APB

[HNJ+14] Daseong Han, Junyong Noh, Xiaogang Jin, Joseph S. Shin, and Sung Y. Shin. Animation I (physically-based): On-line real-time physics-based predictive motion control with balance recovery. *Computer Graphics Forum*, 33(2):245–254, May 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Huang:2017:SAV

[HO17] Ruqi Huang and Maks Ovsjanikov. Shape analysis and variation: Adjoint map representation for shape analysis and matching. *Computer Graphics Forum*, 36(5):151–163, August 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ha:2019:GOR

[HOB+19] Saerom Ha, Sojin Oh, Jonghee Back, Sung-Eui Yoon, and Bochang Moon. Gradient outlier removal for gradient-domain path tracing. *Computer Graphics Forum*, 38(2):245–253, May 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Holzschuch:2015:ACS

[Hol15] N. Holzschuch. Accurate computation of single scattering in participating media with refractive boundaries. *Computer Graphics Forum*, 34(6):48–59, September 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hildebrandt:2011:SAL

[HP11] Klaus Hildebrandt and Konrad Polthier. Section 5: On approximation of the Laplace–Beltrami operator and the Willmore energy of surfaces. *Computer Graphics Forum*, 30(5):1513–1520, August 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hong:2010:SSD

[HPH10] Q. Youn Hong, Sang Il Park, and Jessica K. Hodgins. Shape segmentation: a data-driven segmentation for the shoulder complex. *Computer Graphics Forum*, 29(2):537–544, May 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hall:2016:IVT

[HPK+16] K. Wm. Hall, C. Perin, P. G. Kusalik, C. Gutwin, and S. Carpendale. Information visualization techniques: Formalizing emphasis in information visualization. *Computer Graphics*

Forum, 35(3):717–737, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hendrich:2019:RCA

[HPMB19] J. Hendrich, A. Pospíšil, D. Meister, and J. Bittner. Ray classification for accelerated BVH traversal. *Computer Graphics Forum*, 38(4):49–56, July 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hollt:2016:BDV

[HPvU$^+$16] T. Höllt, N. Pezzotti, V. van Unen, F. Koning, E. Eisemann, B. Lelieveldt, and A. Vilanova. Biological data visualization: Cytosplore: Interactive immune cell phenotyping for large single-cell datasets. *Computer Graphics Forum*, 35(3):171–180, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hou:2015:TBB

[HQH15] Fei Hou, Hong Qin, and Aimin Hao. Trivariate biharmonic B-splines. *Computer Graphics Forum*, 34(6):36–47, September 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Huang:2010:SCS

[HR10] Fu-Chung Huang and Ravi Ramamoorthi. Sparse computing: Sparsely precomputing the light transport matrix for real-time rendering. *Computer Graphics Forum*, 29(4):1335–1345, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Han:2015:THV

[HRD$^+$15] Y. Han, A. Rozga, N. Dimitrova, G. D. Abowd, and J. Stasko. Text & humanities: Visual analysis of proximal temporal relationships of social and communicative behaviors. *Computer Graphics Forum*, 34(3):51–60, June 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hollander:2011:GRM

[HREB11] Matthias Hollander, Tobias Ritschel, Elmar Eisemann, and Tamy Boubekeur. Geometry for rendering: ManyLoDs: Parallel many-view level-of-detail selection for real-time global illumination. *Computer Graphics Forum*, 30(4):1233–1240, June

2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Henzler:2018:SIT

[HRRR18] Phlipp Henzler, Volker Rasche, Timo Ropinski, and Tobias Ritschel. Single-image tomography: 3D volumes from 2D cranial X-Rays. *Computer Graphics Forum*, 37(2):377–388, May 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Heeren:2014:SSE

[HRS+14] B. Heeren, M. Rumpf, P. Schröder, M. Wardetzky, and B. Wirth. Surfaces and shells: Exploring the geometry of the space of shells. *Computer Graphics Forum*, 33(5):247–256, August 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Heeren:2016:MDS

[HRS+16] Behrend Heeren, Martin Rumpf, Peter Schröder, Max Wardetzky, and Benedikt Wirth. Modeling and design: Splines in the space of shells. *Computer Graphics Forum*, 35(5):111–120, August 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hofmann:2018:VVF

[HRS18] Lutz Hofmann, Bastian Rieck, and Filip Sadlo. Visualization of 4D vector field topology. *Computer Graphics Forum*, 37(3):301–313, June 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Heeren:2012:FTD

[HRWW12] B. Heeren, M. Rumpf, M. Wardetzky, and B. Wirth. Flows: Time-discrete geodesics in the space of shells. *Computer Graphics Forum*, 31(5):1755–1764, August 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Heinzl:2017:SVC

[HS17] C. Heinzl and S. Stappen. STAR: Visual computing in materials science. *Computer Graphics Forum*, 36(3):647–666, June 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hofmann:2019:DVO

[HS19] Lutz Hofmann and Filip Sadlo. The dependent vectors operator. *Computer Graphics Forum*, 38(3):261–272, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hlawatsch:2013:ITS

[HSBW13] M. Hlawatsch, F. Sadlo, M. Burch, and D. Weiskopf. InfoVis techniques: Scale-stack bar charts. *Computer Graphics Forum*, 32(3pt2):181–190, June 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hoffswell:2016:CVI

[HSH16] Jane Hoffswell, Arvind Satyanarayan, and Jeffrey Heer. Coordinated views and interaction design: Visual debugging techniques for reactive data visualization. *Computer Graphics Forum*, 35(3):271–280, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hlawatsch:2014:VPG

[HSJW14] M. Hlawatsch, F. Sadlo, H. Jang, and D. Weiskopf. Visualization: Pathline glyphs. *Computer Graphics Forum*, 33(2):497–506, May 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hao:2010:AVA

[HSK+10] M. C. Hao, R. K. Sharma, D. A. Keim, U. Dayal, C. Patel, and R. Vennelakanti. Application of visual analytics for thermal state management in large data centres. *Computer Graphics Forum*, 29(6):1895–1904, September 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hwang:2014:CAE

[HSK14] J. Hwang, I. H. Suh, and T. Kwon. Character animation: Editing and synthesizing two-character motions using a coupled inverted pendulum model. *Computer Graphics Forum*, 33(7):21–30, October 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ho:2013:AST

[HSmCY13] Edmond S. L. Ho, Hubert P. H. Shum, Yiu ming Cheung, and P. C. Yuen. Animation (session 1): Topology aware data-driven inverse kinematics. *Computer Graphics Forum*, 32(7):61–70, October 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Haubenwallner:2017:SUG

[HSS17] Karl Haubenwallner, Hans-Peter Seidel, and Markus Steinberger. ShapeGenetics: Using genetic algorithms for procedural modeling. *Computer Graphics Forum*, 36(2):213–223, May 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hladky:2019:TSS

[HSS19] J. Hladky, H. P. Seidel, and M. Steinberger. Tessellated shading streaming. *Computer Graphics Forum*, 38(4):171–182, July 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hu:2018:FRA

[HSvK18] R. Hu, M. Savva, and O. van Kaick. Functionality representations and applications for shape analysis. *Computer Graphics Forum*, 37(2):603–624, May 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Harary:2011:NPN

[HT11] Gur Harary and Ayellet Tal. Natural phenomena: The natural 3D spiral. *Computer Graphics Forum*, 30(2):237–246, April 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Harary:2014:RFP

[HTG14] Gur Harary, Ayellet Tal, and Eitan Grinspun. Reconstruction: Feature-preserving surface completion using four points. *Computer Graphics Forum*, 33(5):45–54, August 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hua:2017:BDP

[Hua17] H. Hua. A bi-directional procedural model for architectural design. *Computer Graphics Forum*, 36(8):219–231, December 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Holten:2010:MDE

[HV10] Danny Holten and Jarke J. Van Wijk. Multivariate data: Evaluation of cluster identification performance for different PCP variants. *Computer Graphics Forum*, 29(3):793–802, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Heinrich:2016:BDV

[HVH+16] J. Heinrich, J. Vuong, C. J. Hammang, A. Wu, M. Rittenbruch, J. Hogan, M. Brereton, and S. I. O'Donoghue. Biological data visualization: Evaluating viewpoint entropy for ribbon representation of protein structure. *Computer Graphics Forum*, 35 (3):181–190, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hollt:2019:FEH

[HVP+19] T. Höllt, A. Vilanova, N. Pezzotti, B. P. F. Lelieveldt, and H. Hauser. Focus+context exploration of hierarchical embeddings. *Computer Graphics Forum*, 38(3):569–579, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hermosilla:2018:GIM

[HVVR18] P. Hermosilla, P. Vázquez, A. Vinacua, and T. Ropinski. A general illumination model for molecular visualization. *Computer Graphics Forum*, 37(3):367–378, June 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Harvey:2010:NAS

[HW10] William Harvey and Yusu Wang. Navigating abstract spaces: Topological landscape ensembles for visualization of scalar-valued functions. *Computer Graphics Forum*, 29(3):993–1002, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hafner:2016:VIF

[HW16] David Hafner and Joachim Weickert. Variational image fusion with optimal local contrast. *Computer Graphics Forum*, 35(1): 100–112, February 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Haegler:2010:PTT

[HWA+10] Simon Haegler, Peter Wonka, Stefan Müller Arisona, Luc Van Gool, and Pascal Müller. Procedural textures and texture atlases: Grammar-based encoding of facades. *Computer Graphics Forum*, 29(4):1479–1487, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Huang:2017:MVG

[HWF+17] Jing Huang, Qi Wang, Marco Fratarcangeli, Ke Yan, and Catherine Pelachaud. Multi-variate Gaussian-based inverse kinematics. *Computer Graphics Forum*, 36(8):418–428, December 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Heinzle:2010:RIM

[HWK+10] Simon Heinzle, Johanna Wolf, Yoshihiro Kanamori, Tim Weyrich, Tomoyuki Nishita, and Markus Gross. Rendering II: Motion blur for EWA surface splatting. *Computer Graphics Forum*, 29(2):733–742, May 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Hochstetter:2015:FVV

[HWK15] H. Hochstetter, M. Wurm, and A. Kolb. Flow visualization: Vector field visualization of advective-diffusive flows. *Computer Graphics Forum*, 34(3):481–490, June 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Huang:2018:TIR

[HWL18] Yifei Huang, Changbo Wang, and Chenhui Li. Translucent image recoloring through homography estimation. *Computer Graphics Forum*, 37(7):421–432, October 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Han:2019:RTG

[HWU+19] Mengjiao Han, Ingo Wald, Will Usher, Qi Wu, Feng Wang, Valerio Pascucci, Charles D. Hansen, and Chris R. Johnson. Ray tracing generalized tube primitives: Method and applications. *Computer Graphics Forum*, 38(3):467–478, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ho:2015:FVE

[HYL+15] Hsin-Yang Ho, I-Cheng Yeh, Yu-Chi Lai, Wen-Chieh Lin, and Fu-Yin Cherng. Flow visualization: Evaluating 2D flow visualization using eye tracking. *Computer Graphics Forum*, 34 (3):501–510, June 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Huang:2014:PDS

[HYZ+14] Zhichao Huang, Junfeng Yao, Zichun Zhong, Yang Liu, and Xiaohu Guo. Particles and deformation: Sparse localized decomposition of deformation gradients. *Computer Graphics Forum*, 33(7):239–248, October 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Huang:2010:IVV

[HZF10] Hua Huang, Lei Zhang, and Tian-Nan Fu. Image and video I: Video painting via motion layer manipulation. *Computer Graphics Forum*, 29(7):2055–2064, September 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Huang:2019:SMS

[HZL19] Zixuan Huang, Jinghuai Zhang, and Jing Liao. Style mixer: Semantic-aware multi-style transfer network. *Computer Graphics Forum*, 38(7):469–480, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Huang:2014:CIL

[HZMH14] H.-Z. Huang, S.-H. Zhang, R. R. Martin, and S.-M. Hu. Color and imaging: Learning natural colors for image recoloring. *Computer Graphics Forum*, 33(7):299–308, October 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Huang:2018:QSR

[HZN+18] Jingwei Huang, Yichao Zhou, Matthias Niessner, Jonathan Richard Shewchuk, and Leonidas J. Guibas. QuadriFlow: a scalable and robust method for quadrangulation. *Computer Graphics Forum*, 37(5):147–160, August 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Heeren:2018:PGA

[HZRS18] B. Heeren, C. Zhang, M. Rumpf, and W. Smith. Principal geodesic analysis in the space of discrete shells. *Computer Graphics Forum*, 37(5):173–184, August 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Huang:2011:IVE

[HZZ11] Hua Huang, Lei Zhang, and Hong-Chao Zhang. Image & video editing: RepSnapping: Efficient image cutout for repeated scene elements. *Computer Graphics Forum*, 30(7):2059–2066, September 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ihmsen:2011:PSI

[IABT11] Markus Ihmsen, Nadir Akinci, Markus Becker, and Matthias Teschner. A parallel SPH implementation on multi-core CPUs. *Computer Graphics Forum*, 30(1):99–112, March 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Isenberg:2011:RCA

[IC11] Tobias Isenberg and Douglas Cunningham. Reports: Computational Aesthetics 2011 in Vancouver, Canada, August 5–7, 2011, Sponsored by Eurographics, in Collaboration with ACM SIGGRAPH. *Computer Graphics Forum*, 30(8):2457–2458, December 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Isenberg:2010:RCA

[ID10] Tobias Isenberg and Neil Dodgson. Reports: Computational Aesthetics 2010 in London, England, June 14–15, 2010, sponsored by Eurographics, in collaboration with ACM SIGGRAPH. *Computer Graphics Forum*, 29(6):2007, September 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Inglis:2017:PDO

[IEGT17] T. Inglis, M.-L. Eckert, J. Gregson, and N. Thuerey. Primal-dual optimization for fluids. *Computer Graphics Forum*, 36(8): 354–368, December 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Iizuka:2014:ORB

[IEH+14] S. Iizuka, Y. Endo, M. Hirose, Y. Kanamori, J. Mitani, and Y. Fukui. Object repositioning based on the perspective in a single image. *Computer Graphics Forum*, 33(8):157–166, December 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Iizuka:2014:RDE

[IEK+14] S. Iizuka, Y. Endo, Y. Kanamori, J. Mitani, and Y. Fukui. Reconstruction and depth: Efficient depth propagation for constructing a layered depth image from a single image. *Computer Graphics Forum*, 33(7):279–288, October 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Iizuka:2016:IGS

[IEKM16] Satoshi Iizuka, Yuki Endo, Yoshihiro Kanamori, and Jun Mitani. Images & geometry: Single image weathering via exemplar propagation. *Computer Graphics Forum*, 35(2):501–509, May 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Iwasaki:2012:LRR

[IFDN12] Kei Iwasaki, Wataru Furuya, Yoshinori Dobashi, and Tomoyuki Nishita. Lighting and rendering: Real-time rendering of dynamic scenes under all-frequency lighting using integral spherical Gaussian. *Computer Graphics Forum*, 31(2pt3):727–734, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Inger:2013:ILA

[IFL13] Yaron Inger, Zeev Farbman, and Dani Lischinski. Illumination: Locally adaptive products for all-frequency relighting. *Computer Graphics Forum*, 32(2pt1):73–82, May 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Iglesias-Guitian:2015:SSB

[IGAJG15] Jose A. Iglesias-Guitian, Carlos Aliaga, Adrian Jarabo, and Diego Gutierrez. Sampling & skins: a biophysically-based model of the optical properties of skin aging. *Computer Graphics Forum*, 34(2):45–55, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Iglesias-Guitian:2016:ERP

[IGMK+16] Jose A. Iglesias-Guitian, Bochang Moon, Charalampos Koniaris, Eric Smolikowski, and Kenny Mitchell. Efficient rendering: Pixel history linear models for real-time temporal filtering. *Computer Graphics Forum*, 35(7):363–372, October 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ize:2011:RTR

[IH11] Thiago Ize and Charles Hansen. Ray tracing: RTSAH traversal order for occlusion rays. *Computer Graphics Forum*, 30(2):297–305, April 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Inoue:2019:LTE

[IIX+19] N. Inoue, D. Ito, N. Xu, J. Yang, B. Price, and T. Yamasaki. Learning to trace: Expressive line drawing generation from photographs. *Computer Graphics Forum*, 38(7):69–80, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ihrke:2010:TSO

[IKL+10] Ivo Ihrke, Kiriakos N. Kutulakos, Hendrik P. A. Lensch, Marcus Magnor, and Wolfgang Heidrich. Transparent and specular object reconstruction. *Computer Graphics Forum*, 29(8):2400–2426, December 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ilcik:2015:CRL

[IMAW15] Martin Ilčík, Przemysław Musialski, Thomas Auzinger, and Michael Wimmer. Cities & roads: Layer-based procedural design of Façades. *Computer Graphics Forum*, 34(2):205–216, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Iwasaki:2014:RIC

[IMDN14] K. Iwasaki, K. Mizutani, Y. Dobasbi, and T. Nisbita. Rendering: Interactive cloth rendering of microcylinder appearance model under environment lighting. *Computer Graphics Forum*, 33(2):333–340, May 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Im:2013:FPG

[IPKK13] Jaeho Im, Hanwook Park, Jong-Hyun Kim, and Chang-Hun Kim. Fluids: a particle-grid method for opaque ice formation. *Computer Graphics Forum*, 32(2pt3):371–377, May 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Innamorati:2017:RED

[IRWM17] Carlo Innamorati, Tobias Ritschel, Tim Weyrich, and Niloy J. Mitra. Rendering is everywhere: Decomposing single images for layered photo retouching. *Computer Graphics Forum*, 36 (4):15–25, July 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ilan:2015:SDD

[IS15] S. Ilan and A. Shamir. A survey on data-driven video completion. *Computer Graphics Forum*, 34(6):60–85, September 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Iwamoto:2015:CML

[ISYM15] Naoya Iwamoto, Hubert P. H. Shum, Longzhi Yang, and Shigeo Morishima. Characters: Multi-layer lattice model for real-time dynamic character deformation. *Computer Graphics Forum*, 34 (7):99–109, October 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Iwasaki:2010:SFP

[IUDN10] K. Iwasaki, H. Uchida, Y. Dobashi, and T. Nishita. Simulation: Fast particle-based visual simulation of ice melting. *Computer Graphics Forum*, 29(7):2215–2223, September 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ijiri:2010:IVI

[IY10] Takashi Ijiri and Hideo Yokota. Image and video II: Contour-based interface for refining volume segmentation. *Computer Graphics Forum*, 29(7):2153–2160, September 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ijiri:2013:VBH

[IYS+13] Takashi Ijiri, Shin Yoshizawa, Yu Sato, Masaaki Ito, and Hideo Yokota. In volumes: Bilateral Hermite radial basis functions for contour-based volume segmentation. *Computer Graphics Forum*, 32(2pt1):123–132, May 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Jarabo:2018:BRV

[JA18] Adrian Jarabo and Victor Arellano. Bidirectional rendering of vector light transport. *Computer Graphics Forum*, 37(6): 96–105, September 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Jacobson:2017:DSG

[Jac17] Alec Jacobson. Design and segmentation: Generalized matryoshka: Computational design of nesting objects. *Computer Graphics Forum*, 36(5):27–35, August 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Jacobson:2019:RDA

[Jac19] Alec Jacobson. RodSteward: A design-to-assembly system for fabrication using 3d-printed joints and precision-cut rods. *Computer Graphics Forum*, 38(7):765–774, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Joan-Arinyo:2010:GEG

[JAP10] Robert Joan-Arinyo and João Madeiras Pereira. Guest editorial: Guest editorial. *Computer Graphics Forum*, 29(6):1743–1744, September 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Jakob:2017:PPP

[JBG17] Johannes Jakob, Christoph Buchenau, and Michael Guthe. Parallel processing: a parallel approach to compression and decompression of triangle meshes using the GPU. *Computer Graphics Forum*, 36(5):71–80, August 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Jakob:2019:PGC

[JBG19] J. Jakob, C. Buchenau, and M. Guthe. Parallel globally consistent normal orientation of raw unorganized point clouds. *Computer Graphics Forum*, 38(5):163–173, August 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Janicke:2010:VSS

[JBMC10] H. Jänicke, R. Borgo, J. S. D. Mason, and M. Chen. Visualization: SoundRiver: Semantically-rich sound illustration. *Computer Graphics Forum*, 29(2):357–366, May 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Janicke:2010:ESB

[JC10] H. Jänicke and M. Chen. Evaluation: a salience-based quality metric for visualization. *Computer Graphics Forum*, 29(3): 1183–1192, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Jeon:2013:ASC

[JCK+13] Inyong Jeon, Kwang-Jin Choi, Tae-Yong Kim, Bong-Ouk Choi, and Hyeong-Seok Ko. Animation (session 1): Constrainable multigrid for cloth. *Computer Graphics Forum*, 32(7):31–39, October 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Jeon:2016:VMC

[JCK16] Daniel S. Jeon, Inchang Choi, and Min H. Kim. Video: Multisampling compressive video spectroscopy. *Computer Graphics Forum*, 35(2):467–477, May 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Jin:2014:IIR

[JCT14] Sou-Young Jin, Ho-Jin Choi, and Yu-Wing Tai. Images II: a randomized algorithm for natural object colorization. *Computer Graphics Forum*, 33(2):205–214, May 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Jeschke:2011:NPR

[JCW11] S. Jeschke, D. Cline, and P. Wonka. Non-photorealistic rendering: Estimating color and texture parameters for vector graphics. *Computer Graphics Forum*, 30(2):523–532, April 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Javed:2013:IAE

[JE13] W. Javed and N. Elmqvist. Interactive analysis: ExPlates: Spatializing interactive analysis to scaffold visual exploration.

Computer Graphics Forum, 32(3pt4):441–450, June 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Jarosz:2019:OAS

[JEK+19] Wojciech Jarosz, Afnan Enayet, Andrew Kensler, Charlie Kilpatrick, and Per Christensen. Orthogonal array sampling for Monte Carlo rendering. *Computer Graphics Forum*, 38(4):135–147, July 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Jeschke:2016:IEP

[Jes16] Stefan Jeschke. Image editing & processing: Generalized diffusion curves: an improved vector representation for smooth-shaded images. *Computer Graphics Forum*, 35(2):71–79, May 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Jimenez:2012:ICP

[JESG12] Jorge Jimenez, Jose I. Echevarria, Tiago Sousa, and Diego Gutierrez. Image and color processing: SMAA: Enhanced subpixel morphological antialiasing. *Computer Graphics Forum*, 31(2pt1):355–364, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Janicke:2017:VTA

[JFCS17] S. Jänicke, G. Franzini, M. F. Cheema, and G. Scheuermann. Visual text analysis in digital humanities. *Computer Graphics Forum*, 36(6):226–250, September 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Jendersie:2019:MMR

[JG19] Johannes Jendersie and Thorsten Grosch. Microfacet model regularization for robust light transport. *Computer Graphics Forum*, 38(4):39–47, July 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Jia:2011:SNC

[JGH11] Yuntao Jia, Michael Garland, and John C. Hart. Social network clustering and visualization using hierarchical edge bundles. *Computer Graphics Forum*, 30(8):2314–2327, December 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Jang:2012:FPD

[JH12] Hanyoung Jang and JungHyun Han. Feature-preserving displacement mapping with graphics processing unit (GPU) tessellation. *Computer Graphics Forum*, 31(6):1880–1894, September 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Jankowski:2015:AIE

[JH15] J. Jankowski and M. Hachet. Advances in interaction with 3D environments. *Computer Graphics Forum*, 34(1):152–190, February 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Jakob:2019:LDF

[JH19] Wenzel Jakob and Johannes Hanika. A low-dimensional function space for efficient spectral upsampling. *Computer Graphics Forum*, 38(2):147–155, May 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Jin:2014:MRA

[JHT14] Y. Jin, J. Huang, and R. Tong. Maps: Remeshing-assisted optimization for locally injective mappings. *Computer Graphics Forum*, 33(5):269–279, August 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Jeon:2018:SRR

[JJKL18] Junho Jeon, Jinwoong Jung, Jungeon Kim, and Seungyong Lee. Semantic reconstruction: Reconstruction of semantically segmented 3D meshes via volumetric semantic fusion. *Computer Graphics Forum*, 37(7):25–35, October 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Jeong:2013:ASC

[JK13] SoHyeon Jeong and Chang-Hun Kim. Animation (session 2): Combustion waves on the point set surface. *Computer Graphics Forum*, 32(7):225–234, October 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Jeruzalski:2018:CAO

[JKJL18] Timothy Jeruzalski, John Kanji, Alec Jacobson, and David I. W. Levin. Collision-aware and online compression of rigid body simulations via integrated error minimization. *Computer*

Graphics Forum, 37(8):11–20, December 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Jung:2018:FIB

[JKK+18] Y. Jung, J. Kim, A. Kumar, D. D. Feng, and M. Fulham. Feature of interest-based direct volume rendering using contextual saliency-driven ray profile analysis. *Computer Graphics Forum*, 37(6):5–19, September 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Jeong:2013:RTD

[JKL13] Yuna Jeong, Kangtae Kim, and Sungkil Lee. Real-time defocus rendering with level of detail and sub-sample blur. *Computer Graphics Forum*, 32(6):126–134, September 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Joo:2016:LTS

[JKL+16] Hyuntae Joo, Soonhyeon Kwon, Sangmin Lee, Elmar Eisemann, and Sungkil Lee. Looking through surfaces: Efficient ray tracing through aspheric lenses and imperfect Bokeh synthesis. *Computer Graphics Forum*, 35(4):99–105, July 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Jin:2018:AMM

[JKL18] Taeil Jin, Meekyoung Kim, and Sung-Hee Lee. Aura mesh: Motion retargeting to preserve the spatial relationships between skinned characters. *Computer Graphics Forum*, 37(2):311–320, May 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Jankun-Kelly:2010:VTE

[JKLS10] T. J. Jankun-Kelly, Y. S. Lanka, and J. E. Swan II. Vectors & tensors: an evaluation of glyph perception for real symmetric traceless tensor properties. *Computer Graphics Forum*, 29(3):1133–1142, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Jang:2017:AGR

[JL17] Deok-Kyeong Jang and Sung-Hee Lee. Analyzing geometries: Regression-based landmark detection on dynamic human models. *Computer Graphics Forum*, 36(7):73–82, October 2017.

CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Jung:2018:HMS

[JL18] Seunghwan Jung and Sung-Hee Lee. Hair modeling and simulation by style. *Computer Graphics Forum*, 37(2):355–363, May 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Jin:2019:BRL

[JL19] Sam Jin and Sung-Hee Lee. Book review: *Lighting Layout Optimization for* 3*D Indoor Scenes*. *Computer Graphics Forum*, 38(7):733–743, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Jeon:2016:TMS

[JLKL16] Junho Jeon, Hyunjoon Lee, Henry Kang, and Seungyong Lee. Textures/mapping: Scale-aware structure-preserving texture filtering. *Computer Graphics Forum*, 35(7):77–86, October 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ji:2010:MBM

[JLW10] Zhongping Ji, Ligang Liu, and Yigang Wang. Modeling: B-mesh: a modeling system for base meshes of 3D articulated shapes. *Computer Graphics Forum*, 29(7):2169–2177, September 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Jung:2015:GIR

[JMD15] Jin Woo Jung, Gary Meyer, and Ralph DeLong. Global illumination: Robust statistical pixel estimation. *Computer Graphics Forum*, 34(2):585–596, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Jarabo:2015:RET

[JMV+15] Adrian Jarabo, Belen Masia, Andreas Velten, Christopher Barsi, Ramesh Raskar, and Diego Gutierrez. Relativistic effects for time-resolved light transport. *Computer Graphics Forum*, 34(8):1–12, December 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Jordao:2014:PMI

[JPCC14] K. Jordao, J. Pettré, M. Christie, and M.-P. Cani. Procedural Modeling II: Crowd sculpting: A space–time sculpting method for populating virtual environments. *Computer Graphics Forum*, 33(2):351–360, May 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Jeong:2013:SMC

[JPK13] SoHyeon Jeong, Si-Hyung Park, and Chang-Hun Kim. Simulation of morphology changes in drying leaves. *Computer Graphics Forum*, 32(1):204–215, February 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Joia:2015:HDV

[JPN15] P. Joia, F. Petronetto, and L. G. Nonato. High-dimensional visualization: Uncovering representative groups in multidimensional projections. *Computer Graphics Forum*, 34(3):281–290, June 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Jones:2016:LTP

[JR16] Nathaniel L. Jones and Christoph F. Reinhart. Light transport: Parallel multiple-bounce irradiance caching. *Computer Graphics Forum*, 35(4):57–66, July 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Jakob:2011:RAV

[JRJ11] Wenzel Jakob, Christian Regg, and Wojciech Jarosz. Realistic appearance and volumes: Progressive expectation-maximization for hierarchical volumetric photon mapping. *Computer Graphics Forum*, 30(4):1287–1297, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Janicke:2010:MCL

[JS10] H. Jänicke and G. Scheuermann. Measuring complexity in Lagrangian and Eulerian flow descriptions. *Computer Graphics Forum*, 29(6):1783–1794, September 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Jeong:2013:CDP

[JSH+13] W. Jeong, J. Schneider, A. Hansen, M. Lee, S. G. Turney, B. E. Faulkner-Jones, J. L. Hecht, R. Najarian, E. Yee, J. W. Lichtman, and H. Pfister. A collaborative digital pathology system for multi-touch mobile and desktop computing platforms. *Computer Graphics Forum*, 32(6):227–242, September 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ji:2014:RRT

[JSLW14] Zhongping Ji, Xianfang Sun, Shi Li, and Yigang Wang. Reconstruction: Real-time bas-relief generation from depth-and-normal maps on GPU. *Computer Graphics Forum*, 33(5):75–83, August 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Jonsson:2014:SVI

[JSYR14] Daniel Jönsson, Erik Sundén, Anders Ynnerman, and Timo Ropinski. A survey of volumetric illumination techniques for interactive volume rendering. *Computer Graphics Forum*, 33 (1):27–51, February 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Jain:2012:IMU

[JTRS12] Arjun Jain, Thorsten Thormählen, Tobias Ritschel, and Hans-Peter Seidel. Interactive modeling and user interfaces: Exploring shape variations by 3D-model decomposition and part-based recombination. *Computer Graphics Forum*, 31(2pt3): 631–640, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Jacobson:2010:FDO

[JTSZ10] Alec Jacobson, Elif Tosun, Olga Sorkine, and Denis Zorin. FEM and differential operators: Mixed finite elements for variational surface modeling. *Computer Graphics Forum*, 29(5):1565–1574, July 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ji:2019:VED

[JvdGMR19] C. Ji, J. J. van de Gronde, N. M. Maurits, and J. B. T. M. Roerdink. Visual exploration of dynamic multichannel EEG coherence networks. *Computer Graphics Forum*, 38(1):507–520, February 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Jarabo:2012:PGC

[JVS+12] Adrian Jarabo, Tom Van Eyck, Veronica Sundstedt, Kavita Bala, Diego Gutierrez, and Carol O'Sullivan. Perceptual graphics: Crowd light: Evaluating the perceived fidelity of illuminated dynamic scenes. *Computer Graphics Forum*, 31(2pt3): 565–574, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Janicke:2011:FVV

[JWC+11] Heike Jänicke, Thomas Weidner, David Chung, Robert S. Laramee, Peter Townsend, and Min Chen. Flow visualization: Visual reconstructability as a quality metric for flow visualization. *Computer Graphics Forum*, 30(3):781–790, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Jankowai:2019:RES

[JWH19a] Jochen Jankowai, Bei Wang, and Ingrid Hotz. Robust extraction and simplification of 2D symmetric tensor field topology. *Computer Graphics Forum*, 38(3):337–349, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Jung:2019:WGS

[JWH+19b] A. Jung, A. Wilkie, J. Hanika, W. Jakob, and C. Dachsbacher. Wide gamut spectral upsampling with fluorescence. *Computer Graphics Forum*, 38(4):87–96, July 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ju:2013:IPS

[JWL+13] Jinlong Ju, Jue Wang, Yebin Liu, Haoqian Wang, and Qionghai Dai. Image processing (session 4): a progressive tri-level segmentation approach for topology-change-aware video matting. *Computer Graphics Forum*, 32(7):245–253, October 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Jacobson:2012:DSS

[JWS12] Alec Jacobson, Tino Weinkauf, and Olga Sorkine. Deformation: Smooth shape-aware functions with controlled extrema. *Com-*

puter Graphics Forum, 31(5):1577–1586, August 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Jiang:2014:MFH

[JWWP14] Caigui Jiang, Jun Wang, Johannes Wallner, and Helmut Pottmann. Meshing: Freeform honeycomb structures. *Computer Graphics Forum*, 33(5):185–194, August 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Jeong:2019:SPC

[JYS19] Taehong Jeong, Myunghyun Yang, and Hyun Joon Shin. Succinct palette and color model generation and manipulation using hierarchical representation. *Computer Graphics Forum*, 38 (7):1–10, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Jimenez:2015:SSS

[JZJ+15] Jorge Jimenez, Károly Zsolnai, Adrian Jarabo, Christian Freude, Thomas Auzinger, Xian-Chun Wu, Javier von der Pahlen, Michael Wimmer, and Diego Gutierrez. Separable subsurface scattering. *Computer Graphics Forum*, 34(6):188–197, September 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Jinsp:2014:AID

[JZW14] Shuo Jinsp, Yunbo Zhang, and Charlie C. L. Wang. Animation III: Deformation with enforced metrics on length, area and volume. *Computer Graphics Forum*, 33(2):429–438, May 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Jia:2018:CGP

[JZYP18] Shiyu Jia, Weizhong Zhang, Xiaokang Yu, and Zhenkuan Pan. CPU–GPU parallel framework for real-time interactive cutting of adaptive octree-based deformable objects. *Computer Graphics Forum*, 37(1):45–59, February 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kanjanabose:2015:HDV

[KARC15] Rassadarie Kanjanabose, Alfie Abdul-Rahman, and Min Chen. High-dimensional visualization: a multi-task comparative study on scatter plots and parallel coordinates plots. *Computer Graphics Forum*, 34(3):261–270, June 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kijmongkolchai:2017:EMS

[KARC17] Natchaya Kijmongkolchai, Alfie Abdul-Rahman, and Min Chen. Empirically measuring soft knowledge in visualization. *Computer Graphics Forum*, 36(3):73–85, June 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Koulieris:2019:NED

[KAS+19] G. A. Koulieris, K. Akşit, M. Stengel, R. K. Mantiuk, K. Mania, and C. Richardt. Near-eye display and tracking technologies for virtual and augmented reality. *Computer Graphics Forum*, 38(2):493–519, May 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kratz:2013:VAS

[KASH13] A. Kratz, C. Auer, M. Stommel, and I. Hotz. Visualization and analysis of second-order tensors: Moving beyond the symmetric positive-definite case. *Computer Graphics Forum*, 32(1):49–74, February 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kim:2019:DFG

[KAT+19] Byungsoo Kim, Vinicius C. Azevedo, Nils Thuerey, Theodore Kim, Markus Gross, and Barbara Solenthaler. Deep fluids: a generative network for parameterized fluid simulations. *Computer Graphics Forum*, 38(2):59–70, May 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kazhdan:2015:NMG

[Kaz15] M. Kazhdan. Numerical methods for geometry processing: Fast and exact (Poisson) solvers on symmetric geometries. *Computer Graphics Forum*, 34(5):153–165, August 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kuhnert:2012:IHS

[KB12] T. Kühnert and G. Brunnett. Imaging and hair: Fur shading and modification based on cone step mapping. *Computer Graphics Forum*, 31(7pt1):2011–2018, September 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kovnatsky:2013:SCC

[KBB+13] A. Kovnatsky, M. M. Bronstein, A. M. Bronstein, K. Glashoff, and R. Kimmel. Shape correspondences: Coupled quasi-harmonic bases. *Computer Graphics Forum*, 32(2pt4):439–448, May 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kozlov:2017:EFB

[KBB+17] Yeara Kozlov, Derek Bradley, Moritz Bächer, Bernhard Thomaszewski, Thabo Beeler, and Markus Gross. Enriching facial blendshape rigs with physical simulation. *Computer Graphics Forum*, 36(2):75–84, May 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kronander:2015:SAR

[KBG+15] Joel Kronander, Francesco Banterle, Andrew Gardner, Ehsan Miandji, and Jonas Unger. State of the art reports: Photorealistic rendering of mixed reality scenes. *Computer Graphics Forum*, 34(2):643–665, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kerzner:2015:EPS

[KBHM15] Ethan Kerzner, Lee A. Butler, Charles Hansen, and Miriah Meyer. Engineering and physical sciences: a shot at visual vulnerability analysis. *Computer Graphics Forum*, 34(3):391–400, June 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kim:2010:RTC

[KBK+10] Tae-Joon Kim, Yongyoung Byun, Yongjin Kim, Bochang Moon, Seungyong Lee, and Sung-Eui Yoon. Ray tracing and culling: HCCMeshes: Hierarchical-culling oriented compact meshes. *Computer Graphics Forum*, 29(2):299–308, May 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Krecklau:2013:RVD

[KBK13] Lars Krecklau, Janis Born, and Leif Kobbelt. Rendering: View-dependent realtime rendering of procedural facades with high geometric detail. *Computer Graphics Forum*, 32(2pt4):479–488, May 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kolb:2010:TFC

[KBKL10] A. Kolb, E. Barth, R. Koch, and R. Larsen. Time-of-flight cameras in computer graphics. *Computer Graphics Forum*, 29 (1):141–159, March 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kappe:2019:ADC

[KBL19] C. P. Kappe, M. Böttinger, and H. Leitte. Analysis of decadal climate predictions with user-guided hierarchical ensemble clustering. *Computer Graphics Forum*, 38(3):505–515, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kol:2019:MSM

[KBLE19] Timothy R. Kol, Pablo Bauszat, Sungkil Lee, and Elmar Eisemann. MegaViews: Scalable many-view rendering with concurrent scene-view hierarchy traversal. *Computer Graphics Forum*, 38(1):235–247, February 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kuster:2014:GAR

[KBÖ+14] Claudia Kuster, Jean-Charles Bazin, Cengiz Öztireli, Teng Deng, Tobias Martin, Tiberiu Popa, and Markus Gross. Geometry acquisition, reconstruction and analysis: Spatio-temporal geometry fusion for multiple hybrid cameras using moving least squares surfaces. *Computer Graphics Forum*, 33(2):1–10, May 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kalojanov:2011:RTT

[KBS11a] Javor Kalojanov, Markus Billeter, and Philipp Slusallek. Ray tracing: Two-level grids for ray tracing on GPUs. *Computer Graphics Forum*, 30(2):307–314, April 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kavan:2011:ETL

[KBS11b] L. Kavan, A. W. Bargteil, and P.-P. Sloan. Efficient textures: Least squares vertex baking. *Computer Graphics Forum*, 30(4): 1319–1326, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kretschmer:2012:MVR

[KBT+12] Jan Kretschmer, Thomas Beck, Christian Tietjen, Bernhard Preim, and Marc Stamminger. Medical visualization: Reliable adaptive modelling of vascular structures with non-circular cross-sections. *Computer Graphics Forum*, 31(3pt2):1055–1064, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kohler:2017:SCP

[KBvP+17] Benjamin Köhler, Silvia Born, Roy F. P. van Pelt, Anja Hennemuth, Uta Preim, and Bernhard Preim. A survey of cardiac 4D PC–MRI data processing. *Computer Graphics Forum*, 36 (6):5–35, September 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kalojanov:2012:CME

[KBW+12] Javor Kalojanov, Martin Bokeloh, Michael Wand, Leonidas Guibas, Hans-Peter Seidel, and Philipp Slusallek. Correspondence: Microtiles: Extracting building blocks from correspondences. *Computer Graphics Forum*, 31(5):1597–1606, August 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kerber:2013:SSD

[KBWS13] J. Kerber, M. Bokeloh, M. Wand, and H.-P. Seidel. Scalable symmetry detection for urban scenes. *Computer Graphics Forum*, 32(1):3–15, February 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ko:2016:ASV

[KCA+16] S. Ko, I. Cho, S. Afzal, C. Yau, J. Chae, A. Malik, K. Beck, Y. Jang, W. Ribarsky, and D. S. Ebert. Applications: a survey on visual analysis approaches for financial data. *Computer Graphics Forum*, 35(3):599–617, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kindlmann:2018:REE

[KCH+18] G. Kindlmann, C. Chiw, T. Huynh, A. Gyulassy, J. Reppy, and P.-T. Bremer. Rendering and extracting extremal features in 3D fields. *Computer Graphics Forum*, 37(3):525–536, June 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kim:2019:DAT

[KCH19] Younghoon Kim, Michael Correll, and Jeffrey Heer. Designing animated transitions to convey aggregate operations. *Computer Graphics Forum*, 38(3):541–551, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kamaleswaran:2016:TSD

[KCJM16] Rishikesan Kamaleswaran, Christopher Collins, Andrew James, and Carolyn McGregor. Time series data and sequences: PhysioEx: Visual analysis of physiological event streams. *Computer Graphics Forum*, 35(3):331–340, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kim:2018:PPA

[KCL+18] Minjeong Kim, Minsuk Choi, Sunwoong Lee, Jian Tang, Haesun Park, and Jaegul Choo. PixelSNE: Pixel-aligned stochastic neighbor embedding for efficient 2D visualization with screen-resolution precision. *Computer Graphics Forum*, 37(3):267–276, June 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kaplanyan:2013:IPS

[KD13] Anton S. Kaplanyan and Carsten Dachsbacher. Illumination: Path space regularization for holistic and robust light transport. *Computer Graphics Forum*, 32(2pt1):63–72, May 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kolar:2017:SET

[KDC17] M. Kolář, K. Debattista, and A. Chalmers. A subjective evaluation of texture synthesis methods. *Computer Graphics Forum*, 36(2):189–198, May 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Koulieris:2014:GRC

[KDCM14] G. A. Koulieris, G. Drettakis, D. Cunningham, and K. Mania. GPU rendering: C-LOD: Context-aware material level-of-detail applied to mobile graphics. *Computer Graphics Forum*, 33(4):41–49, July 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kuhn:2014:TLC

[KER+14] A. Kuhn, W. Engelke, C. Rössl, M. Hadwiger, and H. Theisel. Time line cell tracking for the approximation of Lagrangian coherent structures with subgrid accuracy. *Computer Graphics Forum*, 33(1):222–234, February 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kulla:2012:SIS

[KF12] Christopher Kulla and Marcos Fajardo. Sampling: Importance sampling techniques for path tracing in participating media. *Computer Graphics Forum*, 31(4):1519–1528, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kravtsov:2010:EIS

[KFA+10] D. Kravtsov, O. Fryazinov, V. Adzhiev, A. Pasko, and P. Comninos. Embedded implicit stand-ins for animated meshes: a case of hybrid modelling. *Computer Graphics Forum*, 29(1):128–140, March 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kravtsov:2014:CMB

[KFA+14] Denis Kravtsov, Oleg Fryazinov, Valery Adzhiev, Alexander Pasko, and Peter Comninos. Controlled metamorphosis between skeleton-driven animated polyhedral meshes of arbitrary topologies. *Computer Graphics Forum*, 33(1):64–72, February 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kehrer:2010:MDB

[KFH10] Johannes Kehrer, Peter Filzmoser, and Helwig Hauser. Multivariate data: Brushing moments in interactive visual analysis. *Computer Graphics Forum*, 29(3):813–822, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kleiman:2013:SCM

[KFLCO13] Yanir Kleiman, Noa Fish, Joel Lanir, and Daniel Cohen-Or. Shape collections and maps: Dynamic maps for exploring and browsing shapes. *Computer Graphics Forum*, 32(5):187–196, August 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kottravel:2019:VAC

[KFM+19] S. Kottravel, M. Falk, T. Bin Masood, M. Linares, and I. Hotz. Visual analysis of charge flow networks for complex morphologies. *Computer Graphics Forum*, 38(3):479–489, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Krone:2011:MDV

[KFR+11] M. Krone, M. Falk, S. Rehm, J. Pleiss, and T. Ertl. Molecular data visualization: Interactive exploration of protein cavities. *Computer Graphics Forum*, 30(3):673–682, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kreiser:2018:VSM

[KFR18] J. Kreiser, J. Freedman, and T. Ropinski. Visually supporting multiple needle placement in irreversible electroporation interventions. *Computer Graphics Forum*, 37(6):59–71, September 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Karasik:2019:OPS

[KFW19] E. Karasik, R. Fattal, and M. Werman. Object partitioning for support-free 3D-printing. *Computer Graphics Forum*, 38 (2):305–316, May 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Koyama:2018:DIL

[KG18] Yuki Koyama and Masataka Goto. Decomposing images into layers with advanced color blending. *Computer Graphics Forum*, 37(7):397–407, October 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kim:2019:RRF

[KG19] Byungsoo Kim and Tobias Günther. Robust reference frame extraction from unsteady 2D vector fields with convolutional neural networks. *Computer Graphics Forum*, 38(3):285–295, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kim:2015:ICC

[KGAC15] Jongdae Kim, Charles Gray, Paul Asente, and John Collomosse. Image collections: Comprehensible video thumbnails.

Computer Graphics Forum, 34(2):167–177, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kohler:2018:VQA

[KGGP18] B. Köhler, M. Grothoff, M. Gutberlet, and B. Preim. Visual and quantitative analysis of great arteries' blood flow jets in cardiac 4D PC-MRI data. *Computer Graphics Forum*, 37 (3):195–204, June 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kneiphof:2019:RTI

[KGK19] Tom Kneiphof, Tim Golla, and Reinhard Klein. Real-time image-based lighting of microfacet BRDFs with varying iridescence. *Computer Graphics Forum*, 38(4):77–85, July 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kuss:2010:FLE

[KGM+10] A. Kuß, M. Gensel, B. Meyer, V. J. Dercksen, and S. Prohaska. Fiber & lines: Effective techniques to visualize filament-surface relationships. *Computer Graphics Forum*, 29(3):1003–1012, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Klein:2012:IDU

[KGP+12] Tijmen Klein, Florimond Guéniat, Luc Pastur, Frédéric Vernier, and Tobias Isenberg. Interaction design and usability: a design study of direct-touch interaction for exploratory 3D scientific visualization. *Computer Graphics Forum*, 31(3pt3): 1225–1234, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Krajcevski:2016:TCV

[KGR+16] P. Krajcevski, A. Golas, K. Ramani, M. Shebanow, and D. Manocha. Texturing & compression: VBTC: GPU-friendly variable block size texture encoding. *Computer Graphics Forum*, 35(2):409–418, May 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kumar:2017:ZAA

[KGRG17] Moneish Kumar, Vineet Gandhi, Remi Ronfard, and Michael Gleicher. Zooming on all actors: Automatic focus+context split screen video generation. *Computer Graphics Forum*, 36(2):455–465, May 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kim:2018:AET

[KH18] Younghoon Kim and Jeffrey Heer. Assessing effects of task and data distribution on the effectiveness of visual encodings. *Computer Graphics Forum*, 37(3):157–167, June 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kazhdan:2019:AMG

[KH19] Misha Kazhdan and Hugues Hoppe. An adaptive multi-grid solver for applications in computer graphics. *Computer Graphics Forum*, 38(1):138–150, February 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Krueger:2019:BEL

[KHI+19] Robert Krueger, Qi Han, Nikolay Ivanov, Sanae Mahtal, Dennis Thom, Hanspeter Pfister, and Thomas Ertl. Bird's-eye — large-scale visual analytics of city dynamics using social location data. *Computer Graphics Forum*, 38(3):595–607, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Khoury:2012:LGD

[KHKS12] Marc Khoury, Yifan Hu, Shankar Krishnan, and Carlos Scheidegger. Large graphs: Drawing large graphs by low-rank stress majorization. *Computer Graphics Forum*, 31(3pt1):975–984, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kurzhals:2013:EEA

[KHW13] K. Kurzhals, M. Höferlin, and D. Weiskopf. Evaluation: Evaluation of attention-guiding video visualization. *Computer Graphics Forum*, 32(3pt1):51–60, June 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kim:2015:NMG

[Kim15] Theodore Kim. Numerical methods for geometry processing: Quaternion Julia set shape optimization. *Computer Graphics Forum*, 34(5):167–176, August 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kustra:2014:RSM

[KJT14] J. Kustra, A. Jalba, and A. Telea. Robust segmentation of multiple intersecting manifolds from unoriented noisy point clouds. *Computer Graphics Forum*, 33(1):73–87, February 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Krecklau:2011:PMP

[KK11a] Lars Krecklau and Leif Kobbelt. Procedural modelling: Procedural modeling of interconnected structures. *Computer Graphics Forum*, 30(2):335–344, April 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kyprianidis:2011:IVI

[KK11b] Jan Eric Kyprianidis and Henry Kang. Image and video: Image and video abstraction by coherence-enhancing filtering. *Computer Graphics Forum*, 30(2):593–602, April 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kohout:2014:RTM

[KK14] J. Kohout and M. Kukačka. Real-time modelling of fibrous muscle. *Computer Graphics Forum*, 33(8):1–15, December 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kerracher:2017:CEV

[KK17] N. Kerracher and J. Kennedy. Constructing and evaluating visualisation task classifications: Process and considerations. *Computer Graphics Forum*, 36(3):47–59, June 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kim:2018:PAP

[KK18] Goanghun Kim and Hyeong-Seok Ko. A practical approach to Physically-based reproduction of diffusive cosmetics. *Computer Graphics Forum*, 37(7):223–232, October 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kugelstadt:2018:FCF

[KKB18] T. Kugelstadt, D. Koschier, and J. Bender. Fast corotated FEM using operator splitting. *Computer Graphics Forum*, 37 (8):149–160, December 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kanazawa:2016:DSO

[KKBJ16] Angjoo Kanazawa, Shahar Kovalsky, Ronen Basri, and David Jacobs. Deformable & soft objects: Learning 3D deformation of animals from 2D images. *Computer Graphics Forum*, 35 (2):365–374, May 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kezurer:2015:CMT

[KKBL15] Itay Kezurer, Shahar Z. Kovalsky, Ronen Basri, and Yaron Lipman. Correspondence and matching: Tight relaxation of quadratic matching. *Computer Graphics Forum*, 34(5):115–128, August 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kozlikova:2017:VBS

[KKF+17] B. Kozlíková, M. Krone, M. Falk, N. Lindow, M. Baaden, D. Baum, I. Viola, J. Parulek, and H.-C. Hege. Visualization of biomolecular structures: State of the art revisited. *Computer Graphics Forum*, 36(8):178–204, December 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kim:2018:DDO

[KKK18] Yeojin Kim, Byungmoon Kim, and Young J. Kim. Dynamic deep octree for high-resolution volumetric painting in virtual reality. *Computer Graphics Forum*, 37(7):179–190, October 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kim:2016:IPI

[KKL16a] Hye-Rin Kim, Henry Kang, and In-Kwon Lee. Image processing: Image recoloring with valence-arousal emotion model. *Computer Graphics Forum*, 35(7):209–216, October 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Krone:2016:BVV

[KKL+16b] M. Krone, B. Kozlíková, N. Lindow, M. Baaden, D. Baum, J. Parulek, H.-C. Hege, and I. Viola. Biomedical visualization: Visual analysis of biomolecular cavities: State of the art. *Computer Graphics Forum*, 35(3):527–551, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kim:2019:GTM

[KKPL19] Jungeon Kim, Hyomin Kim, Jaesik Park, and Seungyong Lee. Global texture mapping for dynamic objects. *Computer Graphics Forum*, 38(7):697–705, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kuznetsov:2018:DAS

[KKR18] Alexandr Kuznetsov, Nima Khademi Kalantari, and Ravi Ramamoorthi. Deep adaptive sampling for low sample count rendering. *Computer Graphics Forum*, 37(4):35–44, July 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Khlebnikov:2012:MDM

[KKS+12] R. Khlebnikov, B. Kainz, M. Steinberger, M. Streit, and D. Schmalstieg. Multi-dimensional and multi-variate data: Procedural texture synthesis for zoom-independent visualization of multivariate data. *Computer Graphics Forum*, 31(3pt4):1355–1364, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kerbl:2017:HBQ

[KKS+17] Bernhard Kerbl, Michael Kenzel, Dieter Schmalstieg, Hans-Peter Seidel, and Markus Steinberger. Hierarchical bucket queuing for fine-grained priority scheduling on the GPU. *Computer Graphics Forum*, 36(8):232–246, December 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kerbl:2015:SMI

[KKSS15] Bernhard Kerbl, Denis Kalkofen, Markus Steinberger, and Dieter Schmalstieg. Shape manipulation: Interactive disassembly planning for complex objects. *Computer Graphics Forum*, 34 (2):287–297, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kister:2017:GCS

[KKTD17] U. Kister, K. Klamka, C. Tominski, and R. Dachselt. GraSp: Combining spatially-aware mobile devices and a display wall for graph visualization and interaction. *Computer Graphics Forum*, 36(3):503–514, June 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kang:2014:CAE

[KL14] Changgu Kang and Sung-Hee Lee. Character animation: Environment-adaptive contact poses for virtual characters. *Computer Graphics Forum*, 33(7):1–10, October 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kim:2019:RUF

[KL19] Jong-Hyun Kim and Jung Lee. Retracted: Unified framework for efficient and enriched water animation with surface and wave foams. *Computer Graphics Forum*, 38(1):690, February 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Korman:2015:PAS

[KLAB15] Simon Korman, Roee Litman, Shai Avidan, and Alex Bronstein. Probably approximately symmetric: Fast rigid symmetry detection with global guarantees. *Computer Graphics Forum*, 34(1):2–13, February 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kuo:2015:SPC

[KLC+15] Ming-Hsun Kuo, You-En Lin, Hung-Kuo Chu, Ruen-Rone Lee, and Yong-Liang Yang. Stylization: Pixel 2Brick: Constructing brick sculptures from pixel art. *Computer Graphics Forum*, 34 (7):339–348, October 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kim:2010:SMT

[KLCF10] Vladimir G. Kim, Yaron Lipman, Xiaobai Chen, and Thomas Funkhouser. Symmetry: Möbius transformations for global intrinsic symmetry analysis. *Computer Graphics Forum*, 29(5): 1689–1700, July 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kong:2017:IEV

[KLK17] Ha-Kyung Kong, Zhicheng Liu, and Karrie Karahalios. Internal and external visual cue preferences for visualizations in presentations. *Computer Graphics Forum*, 36(3):515–525, June 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kalojanov:2019:SBS

[KLMK19] Javor Kalojanov, Isaak Lim, Niloy Mitra, and Leif Kobbelt. String-based synthesis of structured shapes. *Computer Graphics Forum*, 38(2):27–36, May 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kerzner:2017:GVC

[KLS+17] E. Kerzner, A. Lex, C. L. Sigulinsky, T. Urness, B. W. Jones, R. E. Marc, and M. Meyer. Graffinity: Visualizing connectivity in large graphs. *Computer Graphics Forum*, 36(3):251–260, June 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kermani:2016:SLS

[KLTZ16] Z. Sadeghipour Kermani, Z. Liao, P. Tan, and H. Zhang. Structures: Learning 3D scene synthesis from annotated RGB-D images. *Computer Graphics Forum*, 35(5):197–206, August 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kaufman:2012:CAA

[KLW12] Liad Kaufman, Dani Lischinski, and Michael Werman. Content-aware automatic photo enhancement. *Computer Graphics Forum*, 31(8):2528–2540, December 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kita:2016:VNA

[KM16] N. Kita and K. Miyata. Visualization/NPR: Aesthetic rating and color suggestion for color palettes. *Computer Graphics Forum*, 35(7):127–136, October 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Klein:2019:PGV

[KMA+19] T. Klein, P. Mindek, L. Autin, D. S. Goodsell, A. J. Olson, E. M. Gröller, and I. Viola. Parallel generation and visualization of bacterial genome structures. *Computer Graphics Forum*, 38(7):57–68, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Karimov:2015:VAC

[KMAB15] A. Karimov, G. Mistelbauer, T. Auzinger, and S. Bruckner. Volume analysis and classification: Guided volume editing based on histogram dissimilarity. *Computer Graphics Forum*, 34(3):91–100, June 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Klaudiny:2017:RTM

[KMB+17] Martin Klaudiny, Steven McDonagh, Derek Bradley, Thabo Beeler, and Kenny Mitchell. Real-time multi-view facial capture with synthetic training. *Computer Graphics Forum*, 36 (2):325–336, May 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Khalil:2017:SFP

[KMD+17] J. El Sayeh Khalil, A. Munteanu, L. Denis, P. Lambert, and R. Van de Walle. Scalable feature-preserving irregular mesh coding. *Computer Graphics Forum*, 36(6):275–290, September 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kim:2013:GSG

[KMHG13] Young Min Kim, Niloy J. Mitra, Qixing Huang, and Leonidas Guibas. Geometry (session 1): Guided real-time scanning of indoor objects. *Computer Graphics Forum*, 32(7):177–186, October 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ko:2012:VDS

[KMJE12] S. Ko, R. Maciejewski, Y. Jang, and D. S. Ebert. Visualization for decision support: MarketAnalyzer: An interactive visual analytics system for analyzing competitive advantage using point of sale data. *Computer Graphics Forum*, 31(3pt3):1245–1254, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Krecklau:2012:CBP

[KMK12] Lars Krecklau, Christopher Manthei, and Leif Kobbelt. Cities and buildings: Procedural interpolation of historical city maps. *Computer Graphics Forum*, 31(2pt3):691–700, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kreiser:2018:SFB

[KMM+18] J. Kreiser, M. Meuschke, G. Mistelbauer, B. Preim, and T. Ropinski. A survey of flattening-based medical visualization techniques. *Computer Graphics Forum*, 37(3):597–624, June 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Karimov:2013:VVS

[KMS+13] A. Karimov, G. Mistelbauer, J. Schmidt, P. Mindek, E. Schmidt, T. Sharipov, S. Bruckner, and E. Gröller. Volumes: ViviSection: Skeleton-based volume editing. *Computer Graphics Forum*, 32(3pt4):461–470, June 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kratt:2018:SGS

[KNH+18] J. Kratt, T. Niese, R. Hu, H. Huang, S. Pirk, A. Sharf, D. Cohen-Or, and O. Deussen. Sketching in gestalt space: Interactive shape abstraction through perceptual reasoning. *Computer Graphics Forum*, 37(6):188–204, September 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kaspar:2015:CTS

[KNL+15] Alexandre Kaspar, Boris Neubert, Dani Lischinski, Mark Pauly, and Johannes Kopf. Colors and textures: Self tuning texture optimization. *Computer Graphics Forum*, 34(2):349–359, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kleiman:2019:RSB

[KO19] Yanir Kleiman and Maks Ovsjanikov. Robust structure-based shape correspondence. *Computer Graphics Forum*, 38(1):7–20, February 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kelly:2013:MSS

[KÓOH13] P. Kelly, C. Ó Conaire, N. E. O'Connor, and J. Hodgins. Motion synthesis for sports using unobtrusive lightweight body-worn and environment sensing. *Computer Graphics Forum*, 32(8): 48–60, December 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kim:2015:AAF

[KÖS+15] Hyeon-Joong Kim, A. Cengiz Öztireli, Il-Kyu Shin, Markus Gross, and Soo-Mi Choi. All about faces: Interactive generation of realistic facial wrinkles from sketchy drawings. *Computer Graphics Forum*, 34(2):179–191, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Karciauskas:2011:SRB

[KP11] Kęstutis Karčiauskas and Jörg Peters. Section 1: Rational bicubic G^2 splines for design with basic shapes. *Computer Graphics Forum*, 30(5):1389–1395, August 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Karciauskas:2015:QPC

[KP15] KĘstutis Karčiauskas and Jörg Peters. Quads and polygons: Can bi-cubic surfaces be class A? *Computer Graphics Forum*, 34(5):229–238, August 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Karciauskas:2018:NCG

[KP18] Kęstutis Karčiauskas and Jörg Peters. A new class of guided C^2 subdivision surfaces combining good shape with nested refinement. *Computer Graphics Forum*, 37(6):84–95, September 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Karciauskas:2019:HQR

[KP19] K. Karčiauskas and J. Peters. High quality refinable G-splines for locally quad-dominant meshes with T-gons. *Computer Graphics Forum*, 38(5):151–161, August 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kerr:2010:ESM

[KPD10] William B. Kerr, Fabio Pellacini, and Jonathan D. Denning. Editing of shadows and materials: BendyLights: Artistic control of direct illumination by curving light rays. *Computer Graphics Forum*, 29(4):1451–1459, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kohler:2016:RCF

[KPG+16] Benjamin Köhler, Uta Preim, Matthias Grothoff, Matthias Gutberlet, Katharina Fischbach, and Bernhard Preim. Robust cardiac function assessment in 4D PC–MRI data of the aorta and pulmonary artery. *Computer Graphics Forum*, 35(1):32–43, February 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Krecklau:2010:GUN

[KPK10] L. Krecklau, D. Pavic, and L. Kobbelt. Generalized use of non-terminal symbols for procedural modeling. *Computer Graphics Forum*, 29(8):2291–2303, December 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kucher:2018:SAS

[KPK18] Kostiantyn Kucher, Carita Paradis, and Andreas Kerren. The state of the art in sentiment visualization. *Computer Graphics Forum*, 37(1):71–96, February 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kang:2010:FSH

[KPNS10] Nahyup Kang, Jinho Park, Junyong Noh, and Sung Yong Shin. Fluids and smoke: a hybrid approach to multiple fluid simulation using volume fractions. *Computer Graphics Forum*, 29 (2):685–694, May 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kabul:2011:OCA

[KPRN11] Ilknur Kabul, Stephen M. Pizer, Julian Rosenman, and Marc Niethammer. An optimal control approach for texture metamorphosis. *Computer Graphics Forum*, 30(8):2341–2353, December 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Koerner:2014:FLD

[KPS+14] D. Koerner, J. Portsmouth, F. Sadlo, T. Ertl, and B. Eberhardt. Flux-limited diffusion for multiple scattering in participating media. *Computer Graphics Forum*, 33(6):178–189, September 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kakar:2019:DEV

[KQR+19] T. Kakar, X. Qin, E. A. Rundensteiner, L. Harrison, S. K. Sahoo, and S. De. DIVA: Exploration and validation of hypothesized drug-drug interactions. *Computer Graphics Forum*, 38(3):95–106, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kalantari:2019:DHV

[KR19] Nima Khademi Kalantari and Ravi Ramamoorthi. Deep HDR video from sequences with alternating exposures. *Computer Graphics Forum*, 38(2):193–205, May 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kider:2011:NPF

[KRB11] Joseph T. Kider, Jr., Samantha Raja, and Norman I. Badler. Natural phenomena: Fruit senescence and decay simulation. *Computer Graphics Forum*, 30(2):257–266, April 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kairam:2015:GRV

[KRD+15] S. Kairam, N. H. Riche, S. Drucker, R. Fernandez, and J. Heer. Graphs: Refinery: Visual exploration of large, heterogeneous networks through associative browsing. *Computer Graphics Forum*, 34(3):301–310, June 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kim:2011:IVE

[KrJC+11] Younghui Kim, Hwi ryong Jung, Sungwoo Choi, Jungjin Lee, and Junyong Noh. Image & video editing: a single image representation model for efficient stereoscopic image creation. *Computer Graphics Forum*, 30(7):2067–2076, September 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kellnhofer:2015:PSM

[KRM+15] Petr Kellnhofer, Tobias Ritschel, Karol Myszkowski, Elmar Eisemann, and Hans-Peter Seidel. Perception and simplification: Modeling luminance perception at absolute threshold. *Computer Graphics Forum*, 34(4):155–164, July 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kruiger:2017:GLS

[KRM+17] J. F. Kruiger, P. E. Rauber, R. M. Martins, A. Kerren, S. Kobourov, and A. C. Telea. Graph layouts by t-SNE. *Computer Graphics Forum*, 36(3):283–294, June 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kellnhofer:2013:EPO

[KRMS13] Petr Kellnhofer, Tobias Ritschel, Karol Myszkowski, and Hans-Peter Seidel. Expressiveness and perception: Optimizing disparity for motion in depth. *Computer Graphics Forum*, 32 (4):143–152, July 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Klehm:2015:SAR

[KRP+15] Oliver Klehm, Fabrice Rousselle, Marios Papas, Derek Bradley, Christophe Hery, Bernd Bickel, Wojciech Jarosz, and Thabo Beeler. State of the art reports: Recent advances in facial appearance capture. *Computer Graphics Forum*, 34(2):709–733, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Krone:2013:BSI

[KRS+13] M. Krone, G. Reina, C. Schulz, T. Kulschewski, J. Pleiss, and T. Ertl. Biological shape: Interactive extraction and tracking of biomolecular surface features. *Computer Graphics Forum*, 32(3pt3):331–340, June 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kim:2010:IVI

[KS10] Mikyung Kim and Hyun Joon Shin. Image and video II: an example-based approach to synthesize artistic strokes using graphs. *Computer Graphics Forum*, 29(7):2145–2152, September 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kalantari:2011:SEC

[KS11] Nima Khademi Kalantari and Pradeep Sen. Sampling: Efficient computation of blue noise point sets through importance sampling. *Computer Graphics Forum*, 30(4):1215–1221, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kalantari:2012:SFG

[KS12a] Nima Khademi Kalantari and Pradeep Sen. Sampling: Fast generation of approximate blue noise point sets. *Computer Graphics Forum*, 31(4):1529–1535, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kyota:2012:AFG

[KS12b] Fumihito Kyota and Suguru Saito. Animation: Fast grasp synthesis for various shaped objects. *Computer Graphics Forum*, 31(2pt4):765–774, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kalantari:2013:IRN

[KS13a] Nima Khademi Kalantari and Pradeep Sen. Illumination: Removing the noise in Monte Carlo rendering with general image denoising algorithms. *Computer Graphics Forum*, 32(2pt1):93–102, May 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Karloff:2013:GME

[KS13b] Howard Karloff and Kenneth E. Shirley. Graphs: Maximum entropy summary trees. *Computer Graphics Forum*, 32(3pt1):71–80, June 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kang:2014:PDI

[KS14] Nahyup Kang and Donghoon Sagong. Particles and deformation: Incompressible SPH using the divergence-free condition. *Computer Graphics Forum*, 33(7):219–228, October 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kohek:2018:ILS

[KS18] Štefan Kohek and Damjan Strnad. Interactive large-scale procedural forest construction and visualization based on particle flow simulation. *Computer Graphics Forum*, 37(1):389–402, February 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kazhdan:2012:FCM

[KSBC12] Michael Kazhdan, Jake Solomon, and Mirela Ben-Chen. Flows: Can mean-curvature flow be modified to be non-singular? *Computer Graphics Forum*, 31(5):1745–1754, August 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kim:2019:RTH

[KSCN19] Jaedong Kim, Hyunggoog Seo, Seunghoon Cha, and Junyong Noh. Real-time human shadow removal in a front projection system. *Computer Graphics Forum*, 38(1):443–454, February 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kosinka:2014:SSC

[KSD14a] J. Kosinka, M. A. Sabin, and N. A. Dodgson. Subdivision surfaces with creases and truncated multiple knot lines. *Computer Graphics Forum*, 33(1):118–128, February 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kosinka:2014:SSS

[KSD14b] J. Kosinka, M. A. Sabin, and N. A. Dodgson. Surfaces and shells: Semi-sharp creases on subdivision curves and surfaces. *Computer Graphics Forum*, 33(5):217–226, August 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kratt:2015:CTW

[KSG+15] J. Kratt, M. Spicker, A. Guayaquil, M. Fiser, S. Pirk, O. Deussen, J. C. Hart, and B. Benes. Colors and textures: Woodification: User-controlled cambial growth modeling. *Computer Graphics Forum*, 34(2):361–372, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kurtek:2013:SCL

[KSKL13] Sebastian Kurtek, Anuj Srivastava, Eric Klassen, and Hamid Laga. Shape correspondences: Landmark-guided elastic shape analysis of spherically-parameterized surfaces. *Computer Graphics Forum*, 32(2pt4):429–438, May 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kavan:2010:SDA

[KSO10] L. Kavan, P.-P. Sloan, and C. O'Sullivan. Shape deformation and animation: Fast and efficient skinning of animated meshes. *Computer Graphics Forum*, 29(2):327–336, May 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kim:2018:DMB

[KSP+18] Beomseok Kim, Hyeongseok Son, Seong-Jin Park, Sunghyun Cho, and Seungyong Lee. Defocus and motion blur detection with deep contextual features. *Computer Graphics Forum*, 37 (7):277–288, October 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kopta:2015:MCL

[KSS+15] D. Kopta, K. Shkurko, J. Spjut, E. Brunvand, and A. Davis. Memory considerations for low energy ray tracing. *Computer Graphics Forum*, 34(1):47–59, February 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Karch:2012:FVV

[KSW+12] Grzegorz Karol Karch, Filip Sadlo, Daniel Weiskopf, Claus-Dieter Munz, and Thomas Ertl. Flow visualization: Visualization of advection-diffusion in unsteady fluid flow. *Computer Graphics Forum*, 31(3pt2):1105–1114, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kato:2019:SVM

[KTKM19] Y. Kato, S. Tanaka, Y. Kanamori, and J. Mitani. Single-view modeling of layered origami with plausible outer shape. *Computer Graphics Forum*, 38(7):629–640, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kakimoto:2010:ESU

[KTN10] M. Kakimoto, T. Tatsukawa, and T. Nishita. An eyeglass simulator using conoid tracing. *Computer Graphics Forum*, 29(8): 2427–2437, December 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kontkanen:2011:AGI

[KTO11] Janne Kontkanen, Eric Tabellion, and Ryan S. Overbeck. Accelerating global illumination: Coherent out-of-core point-based global illumination. *Computer Graphics Forum*, 30(4): 1353–1360, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kruger:2013:IAT

[KTW+13] Robert Krüger, Dennis Thom, Michael Wörner, Harald Bosch, and Thomas Ertl. Interactive analysis: TrajectoryLenses – a set-based filtering and exploration technique for long-term trajectory data. *Computer Graphics Forum*, 32(3pt4):451–460, June 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kuhlen:2012:RES

[Kuh12] Torsten Kuhlen. Reports: 2011 Eurographics Symposium on Parallel Graphics and Visualization. *Computer Graphics Forum*, 31(1):216, February 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kronander:2010:VRE

[KUMY10] Joel Kronander, Jonas Unger, Torsten Möller, and Anders Ynnerman. Volume rendering: Estimation and modeling of actual numerical errors in volume rendering. *Computer Graphics Forum*, 29(3):893–902, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kurlin:2015:CGO

[Kur15] V. Kurlin. Curves and graphs: a one-dimensional homologically persistent skeleton of an unstructured point cloud in any metric space. *Computer Graphics Forum*, 34(5):253–262, August 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Krekel:2010:MVV

[KVD+10] Peter R. Krekel, Edward R. Valstar, Jurriaan De Groot, Frits H. Post, Rob G. H. H. Nelissen, and Charl P. Botha. Medical visualization: Visual analysis of multi-joint kinematic data. *Computer Graphics Forum*, 29(3):1123–1132, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kochtchi:2014:DTV

[KvLB14] A. Kochtchi, T. von Landesberger, and C. Biemann. Document and text visualization: Networks of names: Visual exploration and semi-automatic tagging of social networks from newspaper articles. *Computer Graphics Forum*, 33(3):211–220, June 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Khlebnikov:2014:LLD

[KVS+14] Rostislav Khlebnikov, Philip Voglreiter, Markus Steinberger, Bernhard Kainz, and Dieter Schmalstieg. Low-level direct volume rendering / filtering: Parallel irradiance caching for interactive Monte-Carlo direct volume rendering. *Computer Graphics Forum*, 33(3):61–70, June 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kurzhals:2018:EVD

[KW18] Kuno Kurzhals and Daniel Weiskopf. Exploring the visualization design space with repertory grids. *Computer Graphics Forum*, 37(3):133–144, June 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kerber:2012:CAR

[KWC+12] J. Kerber, M. Wang, J. Chang, J. J. Zhang, A. Belyaev, and H.-P. Seidel. Computer assisted relief generation — a survey. *Computer Graphics Forum*, 31(8):2363–2377, December 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kachkaev:2014:DRG

[KWD14] A. Kachkaev, J. Wood, and J. Dykes. Data relationships: Glyphs for exploring crowd-sourced subjective survey classification. *Computer Graphics Forum*, 33(3):311–320, June 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kelly:2015:PPM

[KWM15] T. Kelly, P. Wonka, and P. Mueller. Procedural and parametric modeling: Interactive dimensioning of parametric models. *Computer Graphics Forum*, 34(2):117–129, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Knoll:2014:LLD

[KWN+14] Aaron Knoll, Ingo Wald, Paul Navratil, Anne Bowen, Khairi Reda, Michael E. Papka, and Kelly Gaither. Low-level direct volume rendering / filtering: RBF volume ray casting on multicore and manycore CPUs. *Computer Graphics Forum*, 33(3): 71–80, June 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kim:2018:SSL

[KWÖG18] Byungsoo Kim, Oliver Wang, A. Cengiz Öztireli, and Markus Gross. Semantic segmentation for line drawing vectorization using neural networks. *Computer Graphics Forum*, 37(2):329–338, May 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kothur:2015:TST

[KWS+15] P. Köthur, C. Witt, M. Sips, N. Marwan, S. Schinkel, and D. Dransch. Time-series and topology: Visual analytics for correlation-based comparison of time series ensembles. *Computer Graphics Forum*, 34(3):411–420, June 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kalojanov:2016:SMB

[KWS16] Javor Kalojanov, Michael Wand, and Philipp Slusallek. Shape M&M: Building construction sets by tiling grammar simplification. *Computer Graphics Forum*, 35(2):13–25, May 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kaufmann:2013:IFE

[KWSH+13] Peter Kaufmann, Oliver Wang, Alexander Sorkine-Hornung, Olga Sorkine-Hornung, Aljoscha Smolic, and Markus Gross. Images: Finite element image warping. *Computer Graphics Forum*, 32(2pt1):31–39, May 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kurz:2014:SAT

[KWW+14] C. Kurz, X. Wu, M. Wand, T. Thormählen, P. Kohli, and H.-P. Seidel. Symmetry-aware template deformation and fitting. *Computer Graphics Forum*, 33(6):205–219, September 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kuo:2016:IVF

[KYC16] Ming-Hsun Kuo, Yong-Liang Yang, and Hung-Kuo Chu. Images and video: Feature-aware pixel art animation. *Computer Graphics Forum*, 35(7):411–420, October 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kim:2014:CIP

[KYKL14] Hye-Rin Kim, Min-Joon Yoo, Henry Kang, and In-Kwon Lee. Color and imaging: Perceptually-based color assignment. *Computer Graphics Forum*, 33(7):309–318, October 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kuge:2019:RTI

[KYM19] Takahiro Kuge, Tatsuya Yatagawa, and Shigeo Morishima. Real-time indirect illumination of emissive inhomogeneous volumes using layered polygonal area lights. *Computer Graphics Forum*, 38(7):449–460, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kaiser:2019:SSG

[KZB19] Adrien Kaiser, Jose Alonso Ybanez Zepeda, and Tamy Boubekeur. A survey of simple geometric primitives detection methods for captured 3D data. *Computer Graphics Forum*, 38 (1):167–196, February 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Kuang:2012:MDM

[KZZM12] X. Kuang, H. Zhang, S. Zhao, and M. J. McGuffin. Multidimensional and multi-variate data: Tracing tuples across dimensions: a comparison of scatterplots and parallel coordinate plots. *Computer Graphics Forum*, 31(3pt4):1365–1374, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lespinats:2011:CSC

[LA11] Sylvain Lespinats and Michaël Aupetit. CheckViz: Sanity check and topological clues for linear and non-linear mappings. *Computer Graphics Forum*, 30(1):113–125, March 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lafarge:2013:SCS

[LA13] Florent Lafarge and Pierre Alliez. Shape construction: Surface reconstruction through point set structuring. *Computer Graphics Forum*, 32(2pt2):225–234, May 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Liu:2015:VAC

[LA15] Xiaoyang Liu and Usman R. Alim. Volume analysis and classification: Compressive volume rendering. *Computer Graphics Forum*, 34(3):101–110, June 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lehmann:2012:SCR

[LAE+12] Dirk J. Lehmann, Georgia Albuquerque, Martin Eisemann, Marcus Magnor, and Holger Theisel. Selecting coherent and relevant plots in large scatterplot matrices. *Computer Graphics Forum*, 31(6):1895–1908, September 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Liu:2012:AIT

[LAFT12] Jingbo Liu, Oscar Kin-Chung Au, Hongbo Fu, and Chiew-Lan Tai. Animation and interaction: Two-finger gestures for 6DOF manipulation of 3D objects. *Computer Graphics Forum*, 31 (7pt1):2047–2055, September 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Laine:2013:GTT

[Lai13] Samuli Laine. Geometry and topology: a topological approach to voxelization. *Computer Graphics Forum*, 32(4):77–86, July 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Laramee:2010:HWV

[Lar10] Robert S. Laramee. How to write a visualization research paper: a starting point. *Computer Graphics Forum*, 29(8):2363–2371, December 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Law:2011:PBA

[LAS+11] Alvin J. Law, Daniel G. Aliaga, Behzad Sajadi, Aditi Majumder, and Zygmunt Pizlo. Perceptually based appearance modification for compliant appearance editing. *Computer Graphics Forum*, 30(8):2288–2300, December 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lavoue:2011:SMM

[Lav11] Guillaume Lavoué. Section 3: a multiscale metric for 3D mesh visual quality assessment. *Computer Graphics Forum*, 30(5):

1427–1437, August 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Li:2019:VVA

[LB19] Chenhui Li and George Baciu. VisFM: Visual analysis of image feature matchings. *Computer Graphics Forum*, 38(1):46–58, February 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lambert:2010:GWR

[LBA10] A. Lambert, R. Bourqui, and D. Auber. Graphs: Winding roads: Routing edges into bundles. *Computer Graphics Forum*, 29(3):853–862, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Litman:2014:MSL

[LBBC14] Roee Litman, Alex Bronstein, Michael Bronstein, and Umberto Castellani. Matching: Supervised learning of bag-of-features shape descriptors using sparse coding. *Computer Graphics Forum*, 33(5):127–136, August 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lambert:2016:MMR

[LBG16] Thibaud Lambert, Pierre Bénard, and Gaël Guennebaud. Meshes: Multi-resolution meshes for feature-aware hardware tessellation. *Computer Graphics Forum*, 35(2):253–262, May 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lindow:2012:VVI

[LBH12a] N. Lindow, D. Baum, and H.-C. Hege. Volume visualization: Interactive rendering of materials and biological structures on atomic and nanoscopic scale. *Computer Graphics Forum*, 31 (3pt4):1325–1334, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lindow:2012:PGP

[LBH12b] Norbert Lindow, Daniel Baum, and Hans-Christian Hege. Perceptual graphics: Perceptually linear parameter variations. *Computer Graphics Forum*, 31(2pt3):535–544, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Liu:2016:HDD

[LBJ+16] S. Liu, P.-T Bremer, J. J. Jayaraman, B. Wang, B. Summa, and V. Pascucci. High-dimensional data: The Grassmannian atlas: A general framework for exploring linear projections of high-dimensional data. *Computer Graphics Forum*, 35(3):1–10, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lanir:2014:GVV

[LBK14] J. Lanir, P. Bak, and T. Kuflik. Geographic visualization: Visualizing proximity-based spatiotemporal behavior of museum visitors using Tangram diagrams. *Computer Graphics Forum*, 33(3):261–270, June 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lindow:2010:AAV

[LBPH10] Norbert Lindow, Daniel Baum, Steffen Prohaska, and Hans-Christian Hege. Acceleration: Accelerated visualization of dynamic molecular surfaces. *Computer Graphics Forum*, 29(3): 943–952, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Leimer:2018:SRI

[LBRM18] Kurt Leimer, Michael Birsak, Florian Rist, and Przemyslaw Musialski. Sit & relax: Interactive design of body-supporting surfaces. *Computer Graphics Forum*, 37(7):349–359, October 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Li:2018:CSC

[LCB+18] Mingzhao Li, Farhana Choudhury, Zhifeng Bao, Hanan Samet, and Timos Sellis. ConcaveCubes: Supporting cluster-based geographical visualization in large data scale. *Computer Graphics Forum*, 37(3):217–228, June 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lee:2017:VVH

[LCC+17] Wei-Tse Lee, Hsin-I Chen, Ming-Shiuan Chen, I-Chao Shen, and Bing-Yu Chen. Video and visualization: High-resolution 360 video foveated stitching for real-time VR. *Computer Graphics Forum*, 36(7):115–123, October 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lee:2018:ERS

[LCC+18] Yin-Hsuan Lee, Yu-Kai Chang, Yu-Lun Chang, I-Chen Lin, Yu-Shuen Wang, and Wen-Chieh Lin. Enhancing the realism of sketch and painted portraits with adaptable patches. *Computer Graphics Forum*, 37(1):214–225, February 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lei:2013:IPS

[LCCC13] Su-Ian Eugene Lei, Ying-Chieh Chen, Hsiang-Ting Chen, and Chun-Fa Chang. Image processing (session 3): Interactive physics-based ink splattering art creation. *Computer Graphics Forum*, 32(7):147–156, October 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Liu:2010:VRV

[LCD10] Baoquan Liu, Gordon J. Clapworthy, and Feng Dong. Volume reconstruction and visualization: Multi-layer depth peeling by single-pass rasterisation for faster isosurface raytracing on GPUs. *Computer Graphics Forum*, 29(3):1231–1240, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Liu:2016:VDA

[LCDW16] Baoquan Liu, Gordon J. Clapworthy, Feng Dong, and Enhua Wu. Volume data applications: Parallel marching blocks: A practical isosurfacing algorithm for large data on many-core architectures. *Computer Graphics Forum*, 35(3):211–220, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Liang:2010:CAH

[LCG10] Chia-Kai Liang, Wei-Chao Chen, and Natasha Gelfand. Colour adjustment and halftoning: TouchTone: Interactive local image adjustment using point-and-swipe. *Computer Graphics Forum*, 29(2):253–261, May 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lv:2012:SPM

[LCHB12] Jiajun Lv, Xinlei Chen, Jin Huang, and Hujun Bao. Shape processing and modeling: Semi-supervised mesh segmentation and labeling. *Computer Graphics Forum*, 31(7pt2):2241–2248, September 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Liu:2010:GIS

[LCLJ10] L. Liu, E. W. Chambers, D. Letscher, and T. Ju. Geometry II: a simple and robust thinning algorithm on cell complexes. *Computer Graphics Forum*, 29(7):2253–2260, September 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Luo:2018:PMP

[LCM+18] Linbo Luo, Cheng Chai, Jianfeng Ma, Suiping Zhou, and Wentong Cai. ProactiveCrowd: Modelling proactive steering behaviours for agent-based crowd simulation. *Computer Graphics Forum*, 37(1):375–388, February 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lopez:2019:CND

[LCMP19] Axel López, François Chaumette, Eric Marchand, and Julien Pettré. Character navigation in dynamic environments based on optical flow. *Computer Graphics Forum*, 38(2):181–192, May 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Legg:2012:VDS

[LCP+12] P. A. Legg, D. H. S. Chung, M. L. Parry, M. W. Jones, R. Long, I. W. Griffiths, and M. Chen. Visualization for decision support: MatchPad: Interactive glyph-based visualization for real-time sports performance analysis. *Computer Graphics Forum*, 31 (3pt4):1255–1264, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lerner:2010:ACD

[LCSCO10] Alon Lerner, Yiorgos Chrysanthou, Ariel Shamir, and Daniel Cohen-Or. Animation: Context-dependent crowd evaluation. *Computer Graphics Forum*, 29(7):2197–2206, September 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lavoue:2018:VAR

[LCSL18] Guillaume Lavoué, Frédéric Cordier, Hyewon Seo, and Mohamed-Chaker Larabi. Visual attention for rendered 3D shapes. *Computer Graphics Forum*, 37(2):191–203, May 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

LYi:2019:TUR

[LCSS19] Sehi L'Yi, Youli Chang, DongHwa Shin, and Jinwook Seo. Toward understanding representation methods in visualization recommendations through scatterplot construction tasks. *Computer Graphics Forum*, 38(3):201–211, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Liu:2014:ISA

[LCUR14] Yiming Liu, Michael Cohen, Matt Uyttendaele, and Szymon Rusinkiewicz. Illustration and stylization: AutoStyle: Automatic style transfer from image collections to users' images. *Computer Graphics Forum*, 33(4):21–31, July 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Liu:2010:SCO

[LCWCO10] Ligang Liu, Renjie Chen, Lior Wolf, and Daniel Cohen-Or. Stitching and compositing: Optimizing photo composition. *Computer Graphics Forum*, 29(2):469–478, May 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Liu:2011:SCC

[LCY+11] Dongquan Liu, Quan Chen, Jun Yu, Huiqin Gu, Dacheng Tao, and Hock Soon Seah. Stroke correspondence construction using manifold learning. *Computer Graphics Forum*, 30(8):2194–2207, December 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lu:2019:RSS

[LCY+19] Jia-Ming Lu, Xiao-Song Chen, Xiao Yan, Chen-Feng Li, Ming Lin, and Shi-Min Hu. A rigging-skinning scheme to control fluid simulation. *Computer Graphics Forum*, 38(7):501–512, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lambert:2011:BDV

[LDB11] A. Lambert, J. Dubois, and R. Bourqui. Biological data visualization: Pathway preserving representation of metabolic networks. *Computer Graphics Forum*, 30(3):1021–1030, June

2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Laurent:2016:LTF

[LDdLRB16] Gilles Laurent, Cyril Delalandre, Grégoire de La Rivière, and Tamy Boubekeur. Light transport: Forward light cuts: a scalable approach to real-time global illumination. *Computer Graphics Forum*, 35(4):79–88, July 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lancelle:2019:CMB

[LDG19] M. Lancelle, P. Dogan, and M. Gross. Controlling motion blur in synthetic long time exposures. *Computer Graphics Forum*, 38(2):393–403, May 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Li:2015:RDA

[LDGN15] Yangyan Li, Angela Dai, Leonidas Guibas, and Matthias Nießner. Reconstruction: Database-assisted object retrieval for real-time 3D reconstruction. *Computer Graphics Forum*, 34(2):435–446, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lan:2010:ACB

[LDW+10] Yanxiang Lan, Yue Dong, Jiaping Wang, Xin Tong, and Baining Guo. Acquisition: Condenser-based instant reflectometry. *Computer Graphics Forum*, 29(7):2091–2098, September 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lopez:2010:AMC

[LDY10] Luis D. Lopez, Yuanyuan Ding, and Jingyi Yu. Acquisition: Modeling complex unfoliaged trees from a sparse set of images. *Computer Graphics Forum*, 29(7):2075–2082, September 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lee:2013:SAP

[LE13] Sungkil Lee and Elmar Eisemann. Simulated and augmented photography: Practical real-time lens-flare rendering. *Computer Graphics Forum*, 32(4):1–6, July 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Liao:2017:RGB

[LEE17] Jingtang Liao, Martin Eisemann, and Elmar Eisemann. Reconstruction and generation based on RGBD images: Split-depth image generation and optimization. *Computer Graphics Forum*, 36(7):175–182, October 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Livesu:2017:MPO

[LEM+17] Marco Livesu, Stefano Ellero, Jonàs Martínez, Sylvain Lefebvre, and Marco Attene. From 3D models to 3D prints: an overview of the processing pipeline. *Computer Graphics Forum*, 36(2):537–564, May 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lee:2010:SMR

[LeYO+10] Yongjoon Lee, Sung eui Yoon, Seungwoo Oh, Duksu Kim, and Sunghee Choi. Simulation: Multi-resolution cloth simulation. *Computer Graphics Forum*, 29(7):2225–2232, September 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lessig:2010:CGT

[LF10] Christian Lessig and Eugene Fiume. Computer graphics theory: On the effective dimension of light transport. *Computer Graphics Forum*, 29(4):1399–1403, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Larboulette:2011:RSC

[LF11] Caroline Larboulette and François Faure. Reports: Symposium on Computer Animation 2010. *Computer Graphics Forum*, 30(6):1867, September 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lukac:2015:DPB

[LFA+15] M. Lukáč, J. Fišer, P. Asente, J. Lu, E. Shechtman, and D. Sýkora. Drawing and painting: Brushables: Example-based edge-aware directional texture painting. *Computer Graphics Forum*, 34(7):257–267, October 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Loorak:2014:GVP

[LFC14] M. Hosseinkhani Loorak, P. W. L. Fong, and S. Carpendale. Graph visualization: Papilio: Visualizing Android application permissions. *Computer Graphics Forum*, 33(3):391–400, June 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lin:2013:FSS

[LFK+13] Sharon Lin, Julie Fortuna, Chinmay Kulkarni, Maureen Stone, and Jeffrey Heer. Foundations: Selecting semantically-resonant colors for data visualization. *Computer Graphics Forum*, 32 (3pt4):401–410, June 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lindholm:2015:HDV

[LFS+15] S. Lindholm, M. Falk, E. Sundén, A. Bock, A. Ynnerman, and T. Ropinski. Hybrid data visualization based on depth complexity histogram analysis. *Computer Graphics Forum*, 34(1): 74–85, February 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Liao:2019:PMV

[LFYX19] Jie Liao, Yanping Fu, Qingan Yan, and Chunxia Xiao. Pyramid multi-view stereo with local consistency. *Computer Graphics Forum*, 38(7):335–346, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Levi:2013:SAS

[LG13] Zohar Levi and Craig Gotsman. Sketching: ArtiSketch: a system for articulated sketch modeling. *Computer Graphics Forum*, 32(2pt2):235–244, May 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lawonn:2019:SIT

[LG19] Kai Lawonn and Tobias Günther. Stylized image triangulation. *Computer Graphics Forum*, 38(1):221–234, February 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Liang:2019:GIP

[LGC+19] Y. Liang, Y. Gan, M. Chen, D. Gutierrez, and A. Muñoz. Generic interactive pixel-level image editing. *Computer Graph-*

ics Forum, 38(7):23–34, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Landes:2013:GTS

[LGH13] Pierre-Edouard Landes, Bruno Galerne, and Thomas Hurtut. Geometry and topology: a shape-aware model for discrete texture synthesis. *Computer Graphics Forum*, 32(4):67–76, July 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lu:2017:SAP

[LGH+17] Yafeng Lu, Rolando Garcia, Brett Hansen, Michael Gleicher, and Ross Maciejewski. The state-of-the-art in predictive visual analytics. *Computer Graphics Forum*, 36(3):539–562, June 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lim:2016:SIS

[LGK16] Isaak Lim, Anne Gehre, and Leif Kobbelt. Structures: Identifying style of 3D shapes using deep metric learning. *Computer Graphics Forum*, 35(5):207–215, August 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lawonn:2014:ASV

[LGP14] Kai Lawonn, Rocco Gasteiger, and Bernhard Preim. Adaptive surface visualization of vessels with animated blood flow. *Computer Graphics Forum*, 33(8):16–27, December 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Luo:2018:UDA

[LGW18] Chuanjiang Luo, Xiaoyin Ge, and Yusu Wang. Uniformization and density adaptation for point cloud data via graph Laplacian. *Computer Graphics Forum*, 37(1):325–337, February 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Liu:2016:SMF

[LGZ+16] Tiantian Liu, Ming Gao, Lifeng Zhu, Eftychios Sifakis, and Ladislav Kavan. Shape M&M: Fast and robust inversion-free shape manipulation. *Computer Graphics Forum*, 35(2):1–11, May 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lampe:2011:VAC

[LH11] O. Daae Lampe and H. Hauser. 2D visualization by aggregation: Curve density estimates. *Computer Graphics Forum*, 30 (3):633–642, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lin:2013:EPI

[LHH+13] Wen-Chieh Lin, Tsung-Shian Huang, Tan-Chi Ho, Yueh-Tse Chen, and Jung-Hong Chuang. Expressiveness and perception: Interactive lighting design with hierarchical light representation. *Computer Graphics Forum*, 32(4):133–142, July 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Liu:2018:CSC

[LHNS18] Xiaotong Liu, Yifan Hu, Stephen North, and Han-Wei Shen. CorrelatedMultiples: Spatially coherent small multiples with constrained multi-dimensional scaling. *Computer Graphics Forum*, 37(1):7–18, February 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lhuillier:2017:SAE

[LHT17] A. Lhuillier, C. Hurter, and A. Telea. State of the art in edge and trail bundling techniques. *Computer Graphics Forum*, 36 (3):619–645, June 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lieng:2017:REI

[Lie17] Henrik Lieng. Representing and editing images: a probabilistic framework for component-based vector graphics. *Computer Graphics Forum*, 36(7):195–205, October 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lim:2019:CDP

[LIK19] Isaak Lim, Moritz Ibing, and Leif Kobbelt. A convolutional decoder for point clouds using adaptive instance normalization. *Computer Graphics Forum*, 38(5):99–108, August 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Levine:2012:TQB

[LJB+12] J. A. Levine, S. Jadhav, H. Bhatia, V. Pascucci, and P.-T. Bremer. Topology: a quantized boundary representation of 2D flows. *Computer Graphics Forum*, 31(3pt1):945–954, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Limper:2013:GSP

[LJBA13] M. Limper, Y. Jung, J. Behr, and M. Alexa. Geometry (session 1): The POP buffer: Rapid progressive clustering by geometry quantization. *Computer Graphics Forum*, 32(7):197–206, October 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Liu:2017:SKD

[LJC17] Hsueh-Ti Derek Liu, Alec Jacobson, and Keenan Crane. Spectra and kernels: a Dirac operator for extrinsic shape analysis. *Computer Graphics Forum*, 36(5):139–149, August 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Li:2010:IVI

[LJH10] Yong Li, Tao Ju, and Shi-Min Hu. Image and video I: Instant propagation of sparse edits on images and videos. *Computer Graphics Forum*, 29(7):2049–2054, September 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Liu:2013:FIR

[LJH13] Zhicheng Liu, Biye Jiang, and Jeffrey Heer. Foundations: imMens: Real-time visual querying of big data. *Computer Graphics Forum*, 32(3pt4):421–430, June 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lemercier:2012:CCS

[LJK+12] S. Lemercier, A. Jelic, R. Kulpa, J. Hua, J. Fehrenbach, P. Degond, C. Appert-Rolland, S. Donikian, and J. Pettré. Crowds, cloths, and shape deformation: Realistic following behaviors for crowd simulation. *Computer Graphics Forum*, 31(2pt2):489–498, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lee:2017:STD

[LJKL17] Hyunjoon Lee, Junho Jeon, Junho Kim, and Seungyong Lee. Structure-texture decomposition of images with interval gradient. *Computer Graphics Forum*, 36(6):262–274, September 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Li:2018:SPE

[LJL+18] Kun Li, Nianhong Jiao, Yebin Liu, Yangang Wang, and Jingyu Yang. Shape and pose estimation for closely interacting persons using multi-view images. *Computer Graphics Forum*, 37(7): 361–371, October 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Liu:2019:LSC

[LJLH19] Yang Liu, Eunice Jun, Qisheng Li, and Jeffrey Heer. Latent space cartography: Visual analysis of vector space embeddings. *Computer Graphics Forum*, 38(3):67–78, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Liang:2015:IVM

[LJZX15] Lingyu Liang, Lianwen Jin, Xin Zhang, and Yong Xu. Image and video: Multiple facial image editing using edge–aware PDE learning. *Computer Graphics Forum*, 34(7):203–212, October 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Laine:2010:ILA

[LK10] Samuli Laine and Tero Karras. Indirect lighting and ambient occlusion: Two methods for fast ray-cast ambient occlusion. *Computer Graphics Forum*, 29(4):1325–1333, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Laine:2011:SSS

[LK11] Samuli Laine and Tero Karras. Sampling: Stratified sampling for stochastic transparency. *Computer Graphics Forum*, 30(4): 1197–1204, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Larsson:2013:FAF

[LK13] Thomas Larsson and Linus Källberg. Fitting and approximation: Fast and robust approximation of smallest enclosing balls in arbitrary dimensions. *Computer Graphics Forum*, 32(5):93–101, August 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lee:2017:DML

[LK17] Yoonsang Lee and Taesoo Kwon. Depth to motion, lens and filters: Performance-based biped control using a consumer depth camera. *Computer Graphics Forum*, 36(2):387–395, May 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lee:2019:DPP

[LK19] Sing Chun Lee and Misha Kazhdan. Dense point-to-point correspondences between genus-zero shapes. *Computer Graphics Forum*, 38(5):27–37, August 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lee:2012:TDI

[LKC+12] Hanseung Lee, Jaeyeon Kihm, Jaegul Choo, John Stasko, and Haesun Park. Text and documents: iVisClustering: an interactive visual document clustering via topic modeling. *Computer Graphics Forum*, 31(3pt3):1155–1164, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Liu:2017:CEV

[LKD+17] Zhicheng Liu, Bernard Kerr, Mira Dontcheva, Justin Grover, Matthew Hoffman, and Alan Wilson. CoreFlow: Extracting and visualizing branching patterns from event sequences. *Computer Graphics Forum*, 36(3):527–538, June 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lawonn:2014:MVL

[LKEP14] Kai Lawonn, Michael Krone, Thomas Ertl, and Bernhard Preim. Molecular visualization: Line integral convolution for real-time illustration of molecular surface shape and salient regions. *Computer Graphics Forum*, 33(3):181–190, June 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Liu:2012:CFS

[LKF12] Tianqiang Liu, Vladimir G. Kim, and Thomas Funkhouser. Correspondence: Finding surface correspondences using symmetry axis curves. *Computer Graphics Forum*, 31(5):1607–1616, August 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ljung:2016:FES

[LKG+16] Patric Ljung, Jens Krüger, Eduard Groller, Markus Hadwiger, Charles D. Hansen, and Anders Ynnerman. Feature extraction for scalar and vector fields: State of the art in transfer functions for direct volume rendering. *Computer Graphics Forum*, 35 (3):669–691, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lieng:2017:CIS

[LKSD17] Henrik Lieng, Jiří Kosinka, Jingjing Shen, and Neil A. Dodgson. A colour interpolation scheme for topologically unrestricted gradient meshes. *Computer Graphics Forum*, 36(6):112–121, September 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lehmann:2015:HDV

[LKZ+15] Dirk J. Lehmann, Fritz Kemmler, Tatsiana Zhyhalava, Marco Kirschke, and Holger Theisel. High-dimensional visualization: Visualnostics: Visual guidance pictograms for analyzing projections of high-dimensional data. *Computer Graphics Forum*, 34(3):291–300, June 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Liang:2018:TDP

[LL18] Junbang Liang and Ming C. Lin. Time-domain parallelization for accelerating cloth simulation. *Computer Graphics Forum*, 37(8):21–34, December 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Le:2019:AFC

[LL19] Hoang Le and Feng Liu. Appearance flow completion for novel view synthesis. *Computer Graphics Forum*, 38(7):555–565, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lipski:2010:VVC

[LLB+10] C. Lipski, C. Linz, K. Berger, A. Sellent, and M. Magnor. Virtual video camera: Image-based viewpoint navigation through space and time. *Computer Graphics Forum*, 29(8):2555–2568, December 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lagae:2010:SPN

[LLC+10a] A. Lagae, S. Lefebvre, R. Cook, T. DeRose, G. Drettakis, D. S. Ebert, J. P. Lewis, K. Perlin, and M. Zwicker. A survey of procedural noise functions. *Computer Graphics Forum*, 29(8): 2579–2600, December 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Li:2010:ETM

[LLC10b] H. Li, W. K. Leow, and I.-S. Chiu. Elastic tubes: Modeling elastic deformation of hollow tubes. *Computer Graphics Forum*, 29(6):1770–1782, September 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lee:2011:IER

[LLC11] Kun-Ting Lee, Sheng-Jie Luo, and Bing-Yu Chen. Image enhancement: Rephotography using image collections. *Computer Graphics Forum*, 30(7):1895–1901, September 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lipsa:2012:VPS

[LLC+12] Dan R. Lipşa, Robert S. Laramee, Simon J. Cox, Jonathan C. Roberts, Rick Walker, Michelle A. Borkin, and Hanspeter Pfister. Visualization for the physical sciences. *Computer Graphics Forum*, 31(8):2317–2347, December 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lin:2013:IPS

[LLC13] Yi-Shan Lin, Sheng-Jie Luo, and Bing-Yu Chen. Image processing (session 3): Artistic QR code embellishment. *Computer Graphics Forum*, 32(7):137–146, October 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Liu:2015:CDE

[LLC+15] Le Liu, Xiaosheng Li, Yanyun Chen, Xuehui Liu, Jian J. Zhang, and Enhua Wu. Collision detection: an efficient feathering system with collision control. *Computer Graphics Forum*, 34(7): 279–288, October 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lo:2019:GCS

[LLC19] Yi-Hsiang Lo, Ruen-Rone Lee, and Hung-Kuo Chu. Generating color scribble images using multi-layered monochromatic Strokes dithering. *Computer Graphics Forum*, 38(2):265–276, May 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lin:2016:VSV

[LLCZ16] Kaimo Lin, Shuaicheng Liu, Loong-Fah Cheong, and Bing Zeng. Video: Seamless video stitching from hand-held camera inputs. *Computer Graphics Forum*, 35(2):479–487, May 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lister:2010:KPC

[LLD10] W. Lister, R. G. Laycock, and A. M. Day. A key-pose caching system for rendering an animated crowd in real-time. *Computer Graphics Forum*, 29(8):2304–2312, December 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lasram:2012:TMP

[LLD12] Anass Lasram, Sylvain Lefebvre, and Cyrille Damez. Textures and materials: Procedural texture preview. *Computer Graphics Forum*, 31(2pt2):413–420, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Li:2019:BRG

[LLLY19] Kun Li, Jingying Liu, Yu-Kun Lai, and Jingyu Yang. Book review: *Generating 3D Faces using Multi-column Graph Convolutional Networks*. *Computer Graphics Forum*, 38(7):215–224, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lienhard:2017:DTR

[LLM+17] Stefan Lienhard, Cheryl Lau, Pascal Müller, Peter Wonka, and Mark Pauly. Design transformations for rule-based procedural modeling. *Computer Graphics Forum*, 36(2):39–48, May 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Liao:2014:VTS

[LLN+14] Jing Liao, Rodolfo S. Lima, Diego Nehab, Hugues Hoppe, and Pedro V. Sander. Video and textures: Semi-automated video morphing. *Computer Graphics Forum*, 33(4):51–60, July 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Luo:2013:IPS

[LLSC13] Sheng-Jie Luo, Chin-Yu Lin, I-Chao Shen, and Bing-Yu Chen. Image processing (session 2): Stroke-guided image synthesis for skeletal structure editing. *Computer Graphics Forum*, 32 (7):71–78, October 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lu:2012:CGG

[LLW12] Lin Lu, Bruno Lévy, and Wenping Wang. Computational geometry and geometry processing: Centroidal Voronoi tessellation of line segments and graphs. *Computer Graphics Forum*, 31 (2pt4):775–784, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Liu:2011:IVI

[LLX+11] Yong-Jin Liu, Xi Luo, Yu-Ming Xuan, Wen-Feng Chen, and Xiao-Lan Fu. Image and video: Image retargeting quality assessment. *Computer Graphics Forum*, 30(2):583–592, April 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Li:2010:CAH

[LM10] Hua Li and David Mould. Colour adjustment and halftoning: Contrast-aware halftoning. *Computer Graphics Forum*, 29 (2):273–280, May 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Li:2015:SCE

[LM15] Hua Li and David Mould. Stylization: Contrast-enhanced black and white images. *Computer Graphics Forum*, 34(7):319–328, October 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lichtenberg:2018:ARS

[LMA+18] N. Lichtenberg, R. Menges, V. Ageev, A. A. Paul George, P. Heimer, D. Imhof, and K. Lawonn. Analyzing residue surface proximity to interpret molecular dynamics. *Computer Graphics Forum*, 37(3):379–390, June 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Li:2018:DRT

[LMG+18a] S. Li, N. Marsaglia, C. Garth, J. Woodring, J. Clyne, and H. Childs. Data reduction techniques for simulation, visualization and data analysis. *Computer Graphics Forum*, 37(6): 422–447, September 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Li:2018:PRC

[LMG+18b] Yuqi Li, Aditi Majumder, M. Gopi, Chong Wang, and Jieyu Zhao. Practical radiometric compensation for projection display on textured surfaces using a multidimensional model. *Computer Graphics Forum*, 37(2):365–375, May 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lopez-Moreno:2013:MLS

[LMGH+13] Jorge Lopez-Moreno, Elena Garces, Sunil Hadap, Erik Reinhard, and Diego Gutierrez. Multiple light source estimation in a single image. *Computer Graphics Forum*, 32(8):170–182, December 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Liu:2014:SCS

[LMHH14] Bin Liu, Ralph R. Martin, Ji-Wu Huang, and Shi-Min Hu. Shapes and cryptography: Structure aware visual cryptography. *Computer Graphics Forum*, 33(7):141–150, October 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Liu:2015:EPS

[LMK+15] L. Liu, M. Mirzangar, R. M. Kirby, R. Whitaker, and D. H. House. Engineering and physical sciences: Visualizing time-specific hurricane predictions, with uncertainty, from storm path ensembles. *Computer Graphics Forum*, 34(3):371–380, June 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Liu:2015:ISC

[LMLF15] Tianqiang Liu, Jim McCann, Wilmot Li, and Thomas Funkhouser. Images & scenes: Composition-aware scene optimization for product images. *Computer Graphics Forum*, 34 (2):13–24, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Li:2015:AHC

[LMLG15] Yuqi Li, Aditi Majumder, Dongming Lu, and M. Gopi. Agile hardware: Content-independent multi-spectral display using superimposed projections. *Computer Graphics Forum*, 34 (2):337–348, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lauterbach:2010:MPG

[LMM10] C. Lauterbach, Q. Mo, and D. Manocha. Mesh processing: gProximity: Hierarchical GPU-based operations for collision and distance queries. *Computer Graphics Forum*, 29(2):419–428, May 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lopez-Moreno:2017:SGV

[LMMCO17] Jorge Lopez-Moreno, David Miraut, Gabriel Cirio, and Miguel A. Otaduy. Sparse GPU voxelization of yarn-level cloth. *Computer Graphics Forum*, 36(1):22–34, January 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lewiner:2010:SSS

[LMP+10] Thomas Lewiner, Vinícius Mello, Adelailson Peixoto, Sinésio Pesco, and Hélio Lopes. Surface and space structures: Fast generation of pointerless octree duals. *Computer Graphics Forum*, 29(5):1661–1669, July 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lawonn:2013:BSS

[LMP13] K. Lawonn, T. Moench, and B. Preim. Biological shape: Streamlines for illustrative real-time rendering. *Computer Graphics Forum*, 32(3pt3):321–330, June 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lindemeier:2015:AHH

[LMPD15] Thomas Lindemeier, Jens Metzner, Lena Pollak, and Oliver Deussen. Agile hardware: Hardware-based non-photorealistic rendering using a painting robot. *Computer Graphics Forum*, 34(2):311–323, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Livesu:2016:MSD

[LMPS16] Marco Livesu, Alessandro Muntoni, Enrico Puppo, and Riccardo Scateni. Modeling: Skeleton-driven adaptive hexahedral meshing of tubular shapes. *Computer Graphics Forum*, 35(7): 237–246, October 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

LeMuzic:2016:BDV

[LMS+16] M. Le Muzic, P. Mindek, J. Sorger, L. Autin, D. S. Goodsell, and I. Viola. Biological data visualization: Visibility equalizer cutaway visualization of mesoscopic biological models. *Computer Graphics Forum*, 35(3):161–170, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Liu:2019:VCT

[LMSF19] Xiaopei Liu, Maneesh Mishra, Martin Skote, and Chi-Wing Fu. On visualizing continuous turbulence scales. *Computer Graphics Forum*, 38(1):300–315, February 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lancelle:2016:FAC

[LMSG16] M. Lancelle, T. Martin, B. Solenthaler, and M. Gross. Fabrication: Anaglyph caustics with motion parallax. *Computer Graphics Forum*, 35(7):343–352, October 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lawonn:2019:GOA

[LMW+19] Kai Lawonn, Monique Meuschke, Ralph Wickenhöfer, Bernhard Preim, and Klaus Hildebrandt. A geometric optimization approach for the detection and segmentation of multiple aneurysms. *Computer Graphics Forum*, 38(3):413–425, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Loubet:2017:HMV

[LN17] Guillaume Loubet and Fabrice Neyret. Hybrid mesh-volume LoDs for all-scale pre-filtering of complex 3D assets. *Computer Graphics Forum*, 36(2):431–442, May 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Loubet:2018:NMM

[LN18] Guillaume Loubet and Fabrice Neyret. A new microflake model with microscopic self-shadowing for accurate volume downsampling. *Computer Graphics Forum*, 37(2):111–121, May 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lescoat:2018:SDD

[LOM+18] Thibault Lescoat, Maks Ovsjanikov, Pooran Memari, Jean-Marc Thiery, and Tamy Boubekeur. A survey on data-driven dictionary-based methods for 3D modeling. *Computer Graphics Forum*, 37(2):577–601, May 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Li:2015:EVR

[LP15] Han Li and Pieter Peers. Exposure and video: Radiometric transfer: Example-based radiometric linearization of photographs. *Computer Graphics Forum*, 34(4):109–118, July 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Liktor:2014:SFR

[LPD14] G. Liktor, M. Pan, and C. Dachsbacher. Surfaces: Fractional reyes-style adaptive tessellation for continuous level of detail. *Computer Graphics Forum*, 33(7):191–198, October 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Liu:2010:GDH

[LPG10] Yang Liu, Balakrishnan Prabhakaran, and Xiaohu Guo. Geometry I: Dirichlet harmonic shape compression with feature preservation for parameterized surfaces. *Computer Graphics Forum*, 29(7):2039–2048, September 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lu:2013:RSS

[LPG13] H. Lu, R. Pacanowski, and X. Granier. Rendering (session 1): Second-order approximation for variance reduction in multiple importance sampling. *Computer Graphics Forum*, 32(7): 131–136, October 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lin:2019:SEB

[LPG19] Y. Lin, P. Peers, and A. Ghosh. On-site example-based material appearance acquisition. *Computer Graphics Forum*, 38(4):15–25, July 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Li:2015:CDD

[LPH+15] Siwang Li, Zherong Pan, Jin Huang, Hujun Bao, and Xiaogang Jin. Collision detection: Deformable objects collision handling with fast convergence. *Computer Graphics Forum*, 34(7): 269–278, October 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lee:2013:VPT

[LPK13] Sung-Ho Lee, Taejung Park, and Chang-Hun Kim. Visibility: Primitive trees for precomputed distance queries. *Computer Graphics Forum*, 32(2pt4):419–428, May 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Luan:2018:DPH

[LPSB18] Fujun Luan, Sylvain Paris, Eli Shechtman, and Kavita Bala. Deep painterly harmonization. *Computer Graphics Forum*, 37 (4):95–106, July 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

LeMuzic:2014:BIV

[LPSV14] M. Le Muzic, J. Parulek, A. K. Stavrum, and I. Viola. BioMedical I: Illustrative visualization of molecular reactions using omniscient intelligence and passive agents. *Computer Graphics Forum*, 33(3):141–150, June 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Liang:2019:RWI

[LQS+19] X. Liang, B. Qiu, Z. Su, C. Gao, X. Shi, and R. Wang. Rain wiper: An incremental randomly wired network for single image deraining. *Computer Graphics Forum*, 38(7):159–169, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Luboschik:2015:TST

[LRB+15] M. Luboschik, M. Röhlig, A. T. Bittig, N. Andrienko, H. Schumann, and C. Tominski. Time-series and topology: Feature-driven visual analytics of chaotic parameter-dependent movement. *Computer Graphics Forum*, 34(3):421–430, June 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Litany:2016:FCN

[LRB+16] O. Litany, E. Rodolà, A. M. Bronstein, M. M. Bronstein, and D. Cremers. Functional correspondence: Non-rigid puzzles. *Computer Graphics Forum*, 35(5):135–143, August 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Litany:2017:FSP

[LRBB17] O. Litany, E. Rodolà, A. M. Bronstein, and M. M. Bronstein. Fully spectral partial shape matching. *Computer Graphics Forum*, 36(2):247–258, May 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Landreneau:2010:PBW

[LS10a] Eric Landreneau and Scott Schaefer. Poisson-based weight reduction of animated meshes. *Computer Graphics Forum*, 29(6): 1945–1954, September 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Landreneau:2010:SSS

[LS10b] Eric Landreneau and Scott Schaefer. Surface and space structures: Scales and scale-like structures. *Computer Graphics Forum*, 29(5):1653–1660, July 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ljubovic:2015:IPI

[LS15] V. Ljubovic and H. Supic. Improving performance of image retrieval based on fuzzy colour histograms by using hybrid colour model and genetic algorithm. *Computer Graphics Forum*, 34 (8):77–87, December 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Liebmann:2016:FVC

[LS16] T. Liebmann and G. Scheuermann. Flow visualization: Critical points of Gaussian-distributed scalar fields on simplicial grids. *Computer Graphics Forum*, 35(3):361–370, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Liu:2017:IVM

[LSB+17] L. Liu, D. Silver, K. Bemis, D. Kang, and E. Curchitser. Illustrative visualization of mesoscale ocean eddies. *Computer Graphics Forum*, 36(3):447–458, June 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lawonn:2018:SMM

[LSBP18] K. Lawonn, N. N. Smit, K. Bühler, and B. Preim. A survey on multimodal medical data visualization. *Computer Graphics Forum*, 37(1):413–438, February 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Laga:2011:REW

[LSF+11] Hamid Laga, Tobias Schreck, Alfredo Ferreira, Afzal Godil, Ioannis Pratikakis, and Remco Veltkamp. Reports: Eurographics 2011 Workshop on 3D Object Retrieval (EG 3DOR'2011) in Cooperation with ACM SIGGRAPH: Lluandudno, UK, April 10, 2011. *Computer Graphics Forum*, 30(6):1865–1866, September 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lipp:2019:LEP

[LSL+19] M. Lipp, M. Specht, C. Lau, P. Wonka, and P. Müller. Local editing of procedural models. *Computer Graphics Forum*, 38 (2):13–25, May 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Liktor:2015:SSS

[LSMD15] G. Liktor, S. Spassov, G. Mückl, and C. Dachsbacher. Shadows: Stochastic soft shadow mapping. *Computer Graphics Forum*, 34(4):1–11, July 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lienhard:2014:PMI

[LSN+14] S. Lienhard, M. Specht, B. Neubert, M. Pauly, and P. Müller. Procedural Modeling II: Thumbnail galleries for procedural models. *Computer Graphics Forum*, 33(2):361–370, May 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Leimkuhler:2017:REM

[LSR17] Thomas Leimkühler, Hans-Peter Seidel, and Tobias Ritschel. Rendering is everywhere: Minimal warping: Planning incremental novel-view synthesis. *Computer Graphics Forum*, 36(4): 1–14, July 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lex:2012:VAS

[LSS+12] A. Lex, M. Streit, H.-J. Schulz, C. Partl, D. Schmalstieg, P. J. Park, and N. Gehlenborg. Visual analysis in science and engineering: StratomeX: Visual analysis of large-scale heterogeneous genomics data for cancer subtype characterization. *Computer Graphics Forum*, 31(3pt3):1175–1184, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lipp:2011:PMI

[LSWW11] M. Lipp, D. Scherzer, P. Wonka, and M. Wimmer. Procedural modelling: Interactive modeling of city layouts using layers of procedural content. *Computer Graphics Forum*, 30(2):345–354, April 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lin:2018:AMM

[LSZ+18] Minmin Lin, Tianjia Shao, Youyi Zheng, Zhong Ren, Yanlin Weng, and Yin Yang. Automatic mechanism modeling from a single image with CNNs. *Computer Graphics Forum*, 37(7): 337–348, October 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Leifman:2012:TMM

[LT12] George Leifman and Ayellet Tal. Textures and materials: Mesh colorization. *Computer Graphics Forum*, 31(2pt2):421–430, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lehmann:2016:VGP

[LT16] Dirk J. Lehmann and Holger Theisel. Visualization: General projective maps for multidimensional data projection. *Compu-*

ter Graphics Forum, 35(2):443–453, May 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Laga:2017:DSM

[LT17] Hamid Laga and Hedi Tabia. Design and segmentation: Modeling and exploring co-variations in the geometry and configuration of man-made 3D shape families. *Computer Graphics Forum*, 36(5):13–25, August 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Legrand:2019:FQH

[LTB19] Hélène Legrand, Jean-Marc Thiery, and Tamy Boubekeur. Filtered quadrics for high-speed geometry smoothing and clustering. *Computer Graphics Forum*, 38(1):663–677, February 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Loorak:2018:CII

[LTC18] M. Loorak, M. Tory, and S. Carpendale. ChangeCatcher: Increasing inter-author awareness for visualization development. *Computer Graphics Forum*, 37(3):51–62, June 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lieng:2012:PMI

[LTK12] Henrik Lieng, James Tompkin, and Jan Kautz. Photo manipulation: Interactive multi-perspective imagery from photos and videos. *Computer Graphics Forum*, 31(2pt1):285–293, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lieng:2015:SCV

[LTKD15] Henrik Lieng, Flora Tasse, Jiří Kosinka, and Neil A. Dodgson. Shading curves: Vector-based drawing with explicit gradient control. *Computer Graphics Forum*, 34(6):228–239, September 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Liu:2019:BRL

[LTR19] Yifan Liu, Ruolan Tang, and Daniel Ritchie. Book review: *Learning Style Compatibility Between Objects in a Real-World 3D Asset Database*. *Computer Graphics Forum*, 38(7):775–784, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Liu:2014:RDA

[LTX+14] Zhenbao Liu, Sicong Tang, Weiwei Xu, Shuhui Bu, Junwei Han, and Kun Zhou. Reconstruction and depth: Automatic 3D indoor scene updating with RGBD cameras. *Computer Graphics Forum*, 33(7):269–278, October 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Liu:2010:GCM

[LVJ10] Y. Liu, O. Veksler, and O. Juan. Generating classic mosaics with graph cuts. *Computer Graphics Forum*, 29(8):2387–2399, December 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lawonn:2018:SSB

[LVPI18] Kai Lawonn, Ivan Viola, Bernhard Preim, and Tobias Isenberg. A survey of surface-based illustrative rendering for visualization. *Computer Graphics Forum*, 37(6):205–234, September 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lettry:2018:UDS

[LVV18] L. Lettry, K. Vanhoey, and L. Van Gool. Unsupervised deep single-image intrinsic decomposition using illumination-varying image sequences. *Computer Graphics Forum*, 37(7):409–419, October 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Liu:2015:SCR

[LVW+15] Han Liu, Ulysse Vimont, Michael Wand, Marie-Paule Cani, Stefanie Hahmann, Damien Rohmer, and Niloy J. Mitra. Shape collections: Replaceable substructures for efficient part-based modeling. *Computer Graphics Forum*, 34(2):503–513, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Li:2017:CMS

[LW17] Lei Li and Wencheng Wang. Contracting medial surfaces isotropically for fast extraction of centred curve skeletons. *Computer Graphics Forum*, 36(8):529–539, December 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Li:2018:IUL

[LW18] Lei Li and Wencheng Wang. Improved use of LOP for curve skeleton extraction. *Computer Graphics Forum*, 37(7):313–323, October 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Li:2014:ASM

[LWB14] C. Li, P. J. Willis, and M. Brown. Appearance stylization of Manhattan world buildings. *Computer Graphics Forum*, 33(1): 15–26, February 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Liu:2014:HLD

[LWBP14] S. Liu, B. Wang, P.-T. Bremer, and V. Pascucci. High level direct volume rendering: Distortion-guided structure-driven interactive exploration of high-dimensional data. *Computer Graphics Forum*, 33(3):101–110, June 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Laurijssen:2010:ILA

[LWDB10] J. Laurijssen, R. Wang, Ph. Dutré, and B. J. Brown. Indirect lighting and ambient occlusion: Fast estimation and rendering of indirect highlights. *Computer Graphics Forum*, 29(4):1305–1313, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Li:2016:FTM

[LWL+16a] Hao Li, Guowei Wan, Honghua Li, Andrei Sharf, Kai Xu, and Baoquan Chen. Fitting and tracking: Mobility fitting using 4D RANSAC. *Computer Graphics Forum*, 35(5):79–88, August 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Li:2016:IPR

[LWL+16b] Kai Li, Jue Wang, Yebin Liu, Li Xu, and Qionghai Dai. Image processing: Re-compositable panoramic selfie with robust multi-frame segmentation and stitching. *Computer Graphics Forum*, 35(7):227–236, October 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Laurijssen:2011:PCG

[LWLD11] Jurgen Laurijssen, Rui Wang, Ares Lagae, and Philip Dutré. Pre-computed gathering of multi-bounce glossy reflections. *Computer Graphics Forum*, 30(8):2270–2278, December 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lukasczyk:2017:NTG

[LWM+17] Jonas Lukasczyk, Gunther Weber, Ross Maciejewski, Christoph Garth, and Heike Leitte. Nested tracking graphs. *Computer Graphics Forum*, 36(3):12–22, June 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Li:2015:BMB

[LWPL15] Weizi Li, David Wolinski, Julien Pettré, and Ming C. Lin. Bodies in motion: Biologically-inspired visual simulation of insect swarms. *Computer Graphics Forum*, 34(2):425–434, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Li:2013:MCR

[LWS+13] Guannan Li, Chenglei Wu, Carsten Stoll, Yebin Liu, Kiran Varanasi, Qionghai Dai, and Christian Theobalt. Models: Capturing relightable human performances under general uncontrolled illumination. *Computer Graphics Forum*, 32(2pt3):275–284, May 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lin:2016:TME

[LWS+16] Ting-Hao Lin, Der-Lor Way, Zen-Chung Shih, Wen-Kai Tai, and Chin-Chen Chang. Textures/mapping: an efficient structure-aware bilateral texture filtering for image smoothing. *Computer Graphics Forum*, 35(7):57–66, October 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Liebmann:2018:HCC

[LWS18] Tom Liebmann, Gunther H. Weber, and Gerik Scheuermann. Hierarchical correlation clustering in multiple 2D scalar fields. *Computer Graphics Forum*, 37(3):1–12, June 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Liu:2015:HDV

[LWT+15] S. Liu, B. Wang, J. J. Thiagarajan, P.-T. Bremer, and V. Pascucci. High-dimensional visualization: Visual exploration of high-dimensional data through subspace analysis and dynamic projections. *Computer Graphics Forum*, 34(3):271–280, June 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lv:2015:CSI

[LWX+15] P. Lv, P. J. Wang, W. W. Xu, J. X. Chai, M. M. Zhang, Z. G. Pan, and M. L. Xu. Characters: a suggestive interface for sketch-based character posing. *Computer Graphics Forum*, 34 (7):111–121, October 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Liu:2011:NLB

[LWY+11] Baoquan Liu, Li-Yi Wei, Xu Yang, Chongyang Ma, Ying-Qing Xu, Baining Guo, and Enhua Wu. Non-linear beam tracing on a GPU. *Computer Graphics Forum*, 30(8):2156–2169, December 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Liu:2011:ENL

[LXFW11] Xuecheng Liu, Shihong Xia, Yiwen Fan, and Zhaoqi Wang. Exploring non-linear relationship of blendshape facial animation. *Computer Graphics Forum*, 30(6):1655–1666, September 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Liu:2019:ABO

[LXY19] Yifan Liu, Kun Xu, and Ling-Qi Yan. Adaptive BRDF-Oriented multiple importance sampling of many lights. *Computer Graphics Forum*, 38(4):123–133, July 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Liu:2015:BMI

[LYG15] Libin Liu, KangKang Yin, and Baining Guo. Bodies in motion: Improving sampling-based motion control. *Computer Graphics Forum*, 34(2):415–423, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Lo:2010:MSB

[LZ10] Wan-Yen Lo and Matthias Zwicker. Motion synthesis: Bidirectional search for interactive motion synthesis. *Computer Graphics Forum*, 29(2):563–573, May 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Luan:2017:MTF

[LZB17] Fujun Luan, Shuang Zhao, and Kavita Bala. Materials and textures: Fiber-level on-the-fly procedural textiles. *Computer Graphics Forum*, 36(4):123–135, July 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Li:2018:NLL

[LZFH18] Xianzhi Li, Lei Zhu, Chi-Wing Fu, and Pheng-Ann Heng. Non-local low-rank normal filtering for mesh denoising. *Computer Graphics Forum*, 37(7):155–166, October 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Li:2015:NLI

[LZL+15] Wei Li, Lei Zhao, Zhijie Lin, Duanqing Xu, and Dongming Lu. Non-local image inpainting using low-rank matrix completion. *Computer Graphics Forum*, 34(6):111–122, September 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Li:2013:FDG

[LZQ13] Bo Li, Xin Zhao, and Hong Qin. Four-dimensional geometry lens: a novel volumetric magnification approach. *Computer Graphics Forum*, 32(8):122–133, December 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Li:2013:CSA

[LZW+13] H. Li, H. Zhang, Y. Wang, J. Cao, A. Shamir, and D. Cohen-Or. Curve style analysis in a set of shapes. *Computer Graphics Forum*, 32(6):77–88, September 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Li:2017:FDR

[LZY+17] Wei Li, Anzong Zheng, Lihua You, Xiaosong Yang, Jianjun Zhang, and Ligang Liu. Fabrication and design: Rib-reinforced shell structure. *Computer Graphics Forum*, 36(7):15–27, October 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Mora:2012:LVE

[MAAG12] F. Mora, L. Aveneau, O. Apostu, and D. Ghazanfarpour. Lazy visibility evaluation for exact soft shadows. *Computer Graphics Forum*, 31(1):132–145, February 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Marton:2019:FGA

[MAG19] Fabio Marton, Marco Agus, and Enrico Gobbetti. A framework for GPU-accelerated exploration of massive time-varying rectilinear scalar volumes. *Computer Graphics Forum*, 38(3): 53–66, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Mellado:2014:PCS

[MAM14] Nicolas Mellado, Dror Aiger, and Niloy J. Mitra. Point clouds: Super 4PCS fast global pointcloud registration via smart indexing. *Computer Graphics Forum*, 33(5):205–215, August 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Manak:2016:VAE

[Man16] M. Manak. Voronoi et al.: Exploration of empty space among spherical obstacles via additively weighted Voronoi diagram. *Computer Graphics Forum*, 35(5):249–258, August 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Meister:2018:PRB

[MB18] D. Meister and J. Bittner. Parallel reinsertion for bounding volume hierarchy optimization. *Computer Graphics Forum*, 37 (2):463–473, May 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Marques:2019:OSW

[MBB19] Ricardo Marques, Christian Bouville, and Kadi Bouatouch. Optimal sample weights for hemispherical integral quadratures. *Computer Graphics Forum*, 38(1):59–72, February 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Melo:2015:ETM

[MBDC15] M. Melo, M. Bessa, K. Debattista, and A. Chalmers. Evaluation of tone-mapping operators for HDR video under different ambient luminance levels. *Computer Graphics Forum*, 34(8): 38–49, December 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Machado:2016:SCP

[MBES16] Gustavo Machado, Sebastian Boblest, Thomas Ertl, and Filip Sadlo. Structures, clusters, and patterns: Space-time bifurcation lines for extraction of 2D Lagrangian coherent structures. *Computer Graphics Forum*, 35(3):91–100, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Marvie:2012:GPG

[MBG+12] Jean-Eudes Marvie, Cyprien Buron, Pascal Gautron, Patrice Hirtzlin, and Gaël Sourimant. Geometry processing: GPU shape grammars. *Computer Graphics Forum*, 31(7pt1):2087–2095, September 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Mattausch:2015:RTR

[MBJ+15] O. Mattausch, J. Bittner, A. Jaspe, E. Gobbetti, M. Wimmer, and R. Pajarola. Real-time rendering & quantization: CHC+RT: Coherent hierarchical culling for ray tracing. *Computer Graphics Forum*, 34(2):537–548, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Mantiuk:2013:LEG

[MBM13] R. Mantiuk, B. Bazyluk, and R. K. Mantiuk. Looking and editing: Gaze-driven object tracking for real time rendering. *Computer Graphics Forum*, 32(2pt2):163–173, May 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Masoodian:2015:SFC

[MbMYR15] M. Masoodian, A. b. Mohd Yusof, and B. Rogers. Supporting focus and context awareness in 3D modelling tasks using multi-layered displays. *Computer Graphics Forum*, 34(6):1–12, September 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Marques:2013:SFP

[MBR+13] R. Marques, C. Bouville, M. Ribardière, L. P. Santos, and K. Bouatouch. Spherical Fibonacci point sets for illumination integrals. *Computer Graphics Forum*, 32(8):134–143, December 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Marnerides:2018:EDC

[MBRHD18] D. Marnerides, T. Bashford-Rogers, J. Hatchett, and K. Debattista. ExpandNet: a deep convolutional neural network for high dynamic range expansion from low dynamic range content. *Computer Graphics Forum*, 37(2):37–49, May 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Miguel:2012:CCS

[MBT+12] E. Miguel, D. Bradley, B. Thomaszewski, B. Bickel, W. Matusik, M. A. Otaduy, and S. Marschner. Crowds, cloths, and shape deformation: Data-driven estimation of cloth simulation models. *Computer Graphics Forum*, 31(2pt2):519–528, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Meredith:2010:VRV

[MC10a] Jeremy S. Meredith and Hank Childs. Volume reconstruction and visualization: Visualization and analysis-oriented reconstruction of material interfaces. *Computer Graphics Forum*, 29 (3):1241–1250, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Michael:2010:FIF

[MC10b] D. Michael and Y. Chrysanthou. Fullsphere irradiance factorization for real-time all-frequency illumination for dynamic scenes. *Computer Graphics Forum*, 29(8):2516–2529, December 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Mishchenko:2014:PST

[MC14] O. Mishchenko and R. Crawfis. On perception of semi-transparent streamlines for three-dimensional flow visualization. *Computer Graphics Forum*, 33(1):210–221, February 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Mattei:2017:PCD

[MC17] E. Mattei and A. Castrodad. Point cloud denoising via moving RPCA. *Computer Graphics Forum*, 36(8):123–137, December 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Mandad:2019:ECS

[MC19] M. Mandad and M. Campen. Exact constraint satisfaction for truly seamless parametrization. *Computer Graphics Forum*, 38 (2):135–145, May 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Merabti:2016:VDU

[MCB16] B. Merabti, M. Christie, and K. Bouatouch. A virtual director using hidden Markov models. *Computer Graphics Forum*, 35 (8):51–67, December 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

McCloud:2011:KCM

[McC11] Scott McCloud. Keynote: Comics: a medium in transition. *Computer Graphics Forum*, 30(3):xiii, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

McDonald:2010:TQC

[McD10] J. McDonald. Teaching quaternions is not complex. *Computer Graphics Forum*, 29(8):2447–2455, December 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Mendes:2019:SVO

[MCG+19] D. Mendes, F. M. Caputo, A. Giachetti, A. Ferreira, and J. Jorge. A survey on 3D virtual object manipulation: From the desktop to immersive virtual environments. *Computer Graphics Forum*, 38(1):21–45, February 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Marras:2013:EIA

[MCH13] S. Marras, T. J. Cashman, and K. Hormann. Efficient interpolation of articulated shapes using mixed shape spaces. *Computer Graphics Forum*, 32(8):258–270, December 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ma:2018:PIO

[MCHW18] Y. Ma, Z. Chen, W. Hu, and W. Wang. Packing irregular objects in 3D space via hybrid optimization. *Computer Graphics Forum*, 37(5):49–59, August 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Muller:2018:CJ

[MCJM18] Matthias Müller, Nuttapong Chentanez, Stefan Jeschke, and Miles Macklin. Cable joints. *Computer Graphics Forum*, 37 (8):1–10, December 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Martin:2012:CGG

[MCM+12] Tobias Martin, Guoning Chen, Suraj Musuvathy, Elaine Cohen, and Charles Hansen. Computational geometry and geometry processing: Generalized swept mid-structure for polygonal models. *Computer Graphics Forum*, 31(2pt4):805–814, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ma:2019:RTF

[MD19] L. Ma and Z. Deng. Real-time facial expression transformation for monocular RGB video. *Computer Graphics Forum*, 38(1): 470–481, February 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Medeiros:2014:RUP

[MDBS14] Esdras Medeiros, Harish Doraiswamy, Matthew Berger, and Claudio T. Silva. Rendering: Using physically based rendering to benchmark structured light scanners. *Computer Graphics Forum*, 33(7):71–80, October 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Mullen:2010:RIS

[MDD+10] Patrick Mullen, Fernando De Goes, Mathieu Desbrun, David Cohen-Steiner, and Pierre Alliez. Reconstruction II: Signing the unsigned: Robust surface reconstruction from raw pointsets. *Computer Graphics Forum*, 29(5):1733–1741, July 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Miao:2018:DDS

[MDI+18] H. Miao, E. De Llano, T. Isenberg, M. E. Gröller, I. Barišić, and I. Viola. DimSUM: Dimension and scale unifying map for visual abstraction of DNA origami structures. *Computer Graphics Forum*, 37(3):403–413, June 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

MacNeil:2013:VMM

[ME13] S. MacNeil and N. Elmqvist. Visualization mosaics for multivariate visual exploration. *Computer Graphics Forum*, 32(6): 38–50, September 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Miyamoto:2017:FDS

[MEKM17] Emi Miyamoto, Yuki Endo, Yoshihiro Kanamori, and Jun Mitani. Fabrication and design: Semi-automatic conversion of 3D shape into flat-foldable polygonal model. *Computer Graphics Forum*, 36(7):41–50, October 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

MachadoeSilva:2014:ISR

[MEMO14] R. Machado e Silva, C. Esperança, R. Marroquim, and A. A. F. Oliveira. Image space rendering of point clouds using the HPR operator. *Computer Graphics Forum*, 33(1):178–189, February 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Merigot:2011:SMA

[Mér11] Quentin Mérigot. Section 8: a multiscale approach to optimal transport. *Computer Graphics Forum*, 30(5):1583–1592, August 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Munoz:2011:SAB

[MES+11] Adolfo Munoz, Jose I. Echevarria, Francisco J. Seron, Jorge Lopez-Moreno, Mashhuda Glencross, and Diego Gutierrez. Surface appearance: BSSRDF estimation from single images. *Computer Graphics Forum*, 30(2):455–464, April 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Munoz:2011:CBS

[MESG11] Adolfo Munoz, Jose I. Echevarria, Francisco J. Seron, and Diego Gutierrez. Convolution-based simulation of homogeneous subsurface scattering. *Computer Graphics Forum*, 30(8):2279–2287, December 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Meulemans:2019:EOO

[Meu19] W. Meulemans. Efficient optimal overlap removal: Algorithms and experiments. *Computer Graphics Forum*, 38(3):713–723, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Molchanov:2013:PCR

[MFL13] Vladimir Molchanov, Alexey Fofonov, and Lars Linsen. Projections: Continuous representation of projected attribute spaces of multifields over any spatial sampling. *Computer Graphics Forum*, 32(3pt3):301–310, June 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Mamani:2013:PUD

[MFNP13] G. M. H. Mamani, F. M. Fatore, L. G. Nonato, and F. V. Paulovich. Projections: User-driven feature space transformation. *Computer Graphics Forum*, 32(3pt3):291–299, June 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Markus:2015:FRI

[MFPA15] Nenad Markuš, Marco Fratarcangeli, Igor S. Pandžić, and Jörgen Ahlberg. Fast rendering of image mosaics and ASCII art. *Computer Graphics Forum*, 34(6):251–261, September 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Mojzik:2018:HFU

[MFW18] M. Mojzík, A. Fichet, and A. Wilkie. Handling fluorescence in a uni-directional spectral path tracer. *Computer Graphics Forum*, 37(4):77–94, July 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Menzel:2010:VPT

[MG10] Nicolas Menzel and Michael Guthe. Visualization and perception: Towards perceptual simplification of models with arbitrary materials. *Computer Graphics Forum*, 29(7):2261–2270, September 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Mellado:2012:SAG

[MGB+12] Nicolas Mellado, Gaël Guennebaud, Pascal Barla, Patrick Reuter, and Christophe Schlick. Shape analysis: Growing least squares for the analysis of manifolds in scale-space. *Computer Graphics Forum*, 31(5):1691–1701, August 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Mindek:2014:MSS

[MGB14] P. Mindek, M. E. Gröller, and S. Bruckner. Managing spatial selections with contextual snapshots. *Computer Graphics Forum*, 33(8):132–144, December 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Milliez:2016:TMP

[MGC+16] A. Milliez, M. Guay, M.-P. Cani, M. Gross, and R. W. Sumner. Textures/mapping: Programmable animation texturing using motion stamps. *Computer Graphics Forum*, 35(7):67–75, October 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Marechal:2010:VWH

[MGG+10a] N. Maréchal, E. Guérin, E. Galin, S. Mérillou, and N. Mérillou. Virtual worlds: Heat transfer simulation for modeling realistic winter sceneries. *Computer Graphics Forum*, 29(2):449–458, May 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Martinek:2010:SDO

[MGG10b] M. Martinek, R. Grosso, and G. Greiner. A shape descriptor for 3D objects based on rotational symmetry. *Computer Graphics Forum*, 29(8):2328–2339, December 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Marco:2019:PTP

[MGJ+19] Julio Marco, Ibón Guillén, Wojciech Jarosz, Diego Gutierrez, and Adrian Jarabo. Progressive transient photon beams. *Computer Graphics Forum*, 38(6):19–30, September 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

McGee:2019:SAM

[MGM+19] F. McGee, M. Ghoniem, G. Melançon, B. Otjacques, and B. Pinaud. The state of the art in multilayer network visualization. *Computer Graphics Forum*, 38(6):125–149, September 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Muller:2017:MCA

[MGN17] Thomas Müller, Markus Gross, and Jan Novák. Monte Carlo after coffee: Practical path guiding for efficient light-transport simulation. *Computer Graphics Forum*, 36(4):91–100, July 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Macedo:2011:HRB

[MGV11] I. Macêdo, J. P. Gois, and L. Velho. Hermite radial basis functions implicits. *Computer Graphics Forum*, 30(1):27–42, March 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ma:2018:ISS

[MGY+18] Lei Ma, Jianwei Guo, Dong-Ming Yan, Hanqiu Sun, and Yanyun Chen. Instant stippling on 3D scenes. *Computer Graphics Forum*, 37(7):255–266, October 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Middendorf:2013:RSP

[MH13] L. Middendorf and Ch. Haubelt. Rendering (session 2): a programmable graphics processor based on partial stream rewriting. *Computer Graphics Forum*, 32(7):325–334, October 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

McNeill:2017:GTM

[MH17] Graham McNeill and Scott A. Hale. Generating tile maps. *Computer Graphics Forum*, 36(3):435–445, June 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Maria:2017:CCS

[MHA17] M. Maria, S. Horna, and L. Aveneau. Constrained convex space partition for ray tracing in architectural environments. *Computer Graphics Forum*, 36(1):288–300, January 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Meng:2016:SID

[MHD16] Johannes Meng, Johannes Hanika, and Carsten Dachsbacher. Sampling: Improving the Dwivedi sampling scheme. *Computer Graphics Forum*, 35(4):37–44, July 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Muigg:2011:VAV

[MHDG11] Philipp Muigg, Markus Hadwiger, Helmut Doleisch, and Eduard Gröller. 2D visualization by aggregation: Visual coherence for large-scale line-plot visualizations. *Computer Graphics Forum*, 30(3):643–652, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Moritz:2015:THP

[MHHH15] Dominik Moritz, Daniel Halperin, Bill Howe, and Jeffrey Heer. Text & humanities: Perfopticon: Visual query analysis for distributed databases. *Computer Graphics Forum*, 34(3):71–80, June 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Martschinke:2019:ATS

[MHK+19a] J. Martschinke, S. Hartnagel, B. Keinert, K. Engel, and M. Stamminger. Adaptive temporal sampling for volumetric path tracing of medical data. *Computer Graphics Forum*, 38 (4):67–76, July 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Mathisen:2019:IID

[MHK+19b] A. Mathisen, T. Horak, C. N. Klokmose, K. Grønbæk, and N. Elmqvist. InsideInsights: Integrating data-driven reporting in collaborative visual analytics. *Computer Graphics Forum*, 38

(3):649–661, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Merzbach:2019:LFS

[MHRK19] S. Merzbach, M. Hermann, M. Rump, and R. Klein. Learned fitting of spatially varying BRDFs. *Computer Graphics Forum*, 38(4):193–205, July 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ma:2014:SAD

[MHS+14] Chongyang Ma, Haibin Huang, Alla Sheffer, Evangelos Kalogerakis, and Rui Wang. Surfaces I: Analogy-driven 3D style transfer. *Computer Graphics Forum*, 33(2):175–184, May 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Moon:2017:NRB

[MIGMM17] Bochang Moon, Jose A. Iglesias-Guitian, Steven McDonagh, and Kenny Mitchell. Noise reduction on G-buffers for Monte Carlo filtering. *Computer Graphics Forum*, 36(8):600–612, December 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Mattausch:2013:LEF

[MIW13] O. Mattausch, T. Igarashi, and M. Wimmer. Looking and editing: Freeform shadow boundary editing. *Computer Graphics Forum*, 32(2pt2):175–184, May 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Martin:2013:ENL

[MJBC13] Tobias Martin, Pushkar Joshi, Miklós Bergou, and Nathan Carr. Efficient non-linear optimization via multi-scale gradient filtering. *Computer Graphics Forum*, 32(6):89–100, September 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Moritz:2017:TST

[MJH+17] Joep Moritz, Stuart James, Tom S. F. Haines, Tobias Ritschel, and Tim Weyrich. Texture stationarization: Turning photos into tileable textures. *Computer Graphics Forum*, 36(2):177–188, May 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Menk:2011:VTU

[MJK11] Christoffer Menk, Eduard Jundt, and Reinhard Koch. Visualisation techniques for using spatial augmented reality in the design process of a car. *Computer Graphics Forum*, 30(8):2354–2366, December 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Manak:2017:IAC

[MJK17] M. Manak, L. Jirkovsky, and I. Kolingerova. Interactive analysis of connolly surfaces for various probes. *Computer Graphics Forum*, 36(6):160–172, September 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Moon:2013:RID

[MJL+13] Bochang Moon, Jong Yun Jun, JongHyeob Lee, Kunho Kim, Toshiya Hachisuka, and Sung-Eui Yoon. Robust image denoising using a virtual flash image for Monte Carlo ray tracing. *Computer Graphics Forum*, 32(1):139–151, February 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Marino:2011:MDV

[MK11] Joseph Marino and Arie Kaufman. Medical data visualization: Prostate cancer visualization from MR imagery and MR spectroscopy. *Computer Graphics Forum*, 30(3):1051–1060, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Mittelstadt:2015:EDE

[MK15] Sebastian Mittelstädt and Daniel A. Keim. Evaluation and design: Efficient contrast effect compensation with personalized perception models. *Computer Graphics Forum*, 34(3):211–220, June 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Mathew:2019:UWD

[MKMA19] C. D. Tharindu Mathew, Paulo R. Knob, Soraia Raupp Musse, and Daniel G. Aliaga. Urban walkability design using virtual population simulation. *Computer Graphics Forum*, 38(1):455–469, February 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Meuschke:2016:FVS

[MKP+16] M. Meuschke, B. Köhler, U. Preim, B. Preim, and K. Lawonn. Flow visualization: Semi-automatic vortex flow classification in 4D PC-MRI data of the aorta. *Computer Graphics Forum*, 35 (3):351–360, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

McGraw:2011:ASC

[MKR11] T. McGraw, T. Kawai, and J. Richards. Allometric scaling for character design. *Computer Graphics Forum*, 30(1):153–168, March 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Mwalongo:2016:DVS

[MKRE16] F. Mwalongo, M. Krone, G. Reina, and T. Ertl. Distributed visualization: State-of-the-art report in Web-based visualization. *Computer Graphics Forum*, 35(3):553–575, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Meyer:2012:DPD

[MKSS12] Quirin Meyer, Benjamin Keinert, Gerd Sußner, and Marc Stamminger. Data-parallel decompression of triangle mesh topology. *Computer Graphics Forum*, 31(8):2541–2553, December 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Miandji:2015:SSC

[MKU15] Ehsan Miandji, Joel Kronander, and Jonas Unger. Sampling & skins: Compressive image reconstruction in reduced union of subspaces. *Computer Graphics Forum*, 34(2):33–44, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

McNabb:2017:SSS

[ML17] Liam McNabb and Robert S. Laramee. Survey of surveys (SoS) — mapping the landscape of survey papers in information visualization. *Computer Graphics Forum*, 36(3):589–617, June 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Miranda:2018:TLD

[MLD+18] Fabio Miranda, Marcos Lage, Harish Doraiswamy, Charlie Mydlarz, Justin Salamon, Yitzchak Lockerman, Juliana Freire, and Claudio T. Silva. Time lattice: a data structure for the interactive visual analysis of large time series. *Computer Graphics Forum*, 37(3):23–35, June 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Monch:2013:IMS

[MLK+13] Tobias Mönch, Kai Lawonn, Christoph Kubisch, Rüdiger Westermann, and Bernhard Preim. Interactive mesh smoothing for medical applications. *Computer Graphics Forum*, 32(8):110–121, December 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

McLoughlin:2010:TDI

[MLP+10] Tony McLoughlin, Robert S. Laramee, Ronald Peikert, Frits H. Post, and Min Chen. Over two decades of integration-based, geometric flow visualization. *Computer Graphics Forum*, 29(6): 1807–1829, September 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ma:2018:SSO

[MM18] Yue Ma and Weiyin Ma. Subdivision schemes with optimal bounded curvature near extraordinary vertices. *Computer Graphics Forum*, 37(7):455–467, October 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ma:2019:SSQ

[MM19] Yue Ma and Weiyin Ma. Subdivision schemes for quadrilateral meshes with the least polar artifact in extraordinary regions. *Computer Graphics Forum*, 38(7):127–139, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Maximo:2010:VRH

[MMF10] A. Maximo, R. Marroquim, and R. Farias. Volume rendering: Hardware-assisted projected tetrahedra. *Computer Graphics Forum*, 29(3):903–912, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Merry:2010:SCS

[MMG10] B. Merry, P. Marais, and J. Gain. Simplifying character skins with analytic error metrics. *Computer Graphics Forum*, 29 (1):13–24, March 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Mattausch:2018:RUS

[MMG18] Oliver Mattausch, Maxim Makhinya, and Orcun Goksel. Realistic ultrasound simulation of complex surface models using interactive Monte-Carlo path tracing. *Computer Graphics Forum*, 37(1):202–213, February 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Miao:2017:VQC

[MMNG17] H. Miao, G. Mistelbauer, C. Našel, and M. E. Gröller. Visual quantification of the Circle of Willis: An automated identification and standardized representation. *Computer Graphics Forum*, 36(6):393–404, September 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Miguel:2016:DSO

[MMO16] Eder Miguel, David Miraut, and Miguel A. Otaduy. Deformable & soft objects: Modeling and estimation of energy-based hyperelastic objects. *Computer Graphics Forum*, 35(2):385–396, May 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Mura:2016:RPP

[MMP16] C. Mura, O. Mattausch, and R. Pajarola. Reconstruction: Piecewise-planar reconstruction of multi-room interiors with arbitrary wall arrangements. *Computer Graphics Forum*, 35(7): 179–188, October 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Musbach:2013:FWM

[MMRO13] A. Musbach, G. W. Meyer, F. Reitich, and S. H. Oh. Full wave modelling of light propagation and reflection. *Computer Graphics Forum*, 32(6):24–37, September 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Mistelbauer:2013:MVV

[MMV+13] G. Mistelbauer, A. Morar, A. Varchola, R. Schernthaner, I. Baclija, A. Köchl, A. Kanitsar, S. Bruckner, and E. Gröller. Medical visualization: Vessel visualization using curvicircular feature aggregation. *Computer Graphics Forum*, 32(3pt2):231–240, June 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Marra:2017:RCI

[MNP+17] Alessia Marra, Maurizio Nitti, Marios Papas, Thomas Müller, Markus Gross, Wojciech Jarosz, and Jan ovák. Report: 2017 cover image: Mixing bowl. *Computer Graphics Forum*, 36(1): 345–346, January 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Machado:2010:SCR

[MO10] Gustavo M. Machado and Manuel M. Oliveira. Space & color: Real-time temporal-coherent color contrast enhancement for dichromats. *Computer Graphics Forum*, 29(3):933–942, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Muhler:2010:MVR

[MP10] K. Mühler and B. Preim. Medical visualization: Reusable visualizations and animations for surgery planning. *Computer Graphics Forum*, 29(3):1103–1112, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Mavridis:2012:PTM

[MP12a] Pavlos Mavridis and Georgios Papaioannou. Parameterization and texture mapping: Texture compression using wavelet decomposition. *Computer Graphics Forum*, 31(7pt1):2107–2116, September 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

McCann:2012:CPS

[MP12b] J. McCann and N. S. Pollard. Computational photography: Soft stacking. *Computer Graphics Forum*, 31(2pt2):469–478, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Munoz-Pandiella:2017:RTS

[MPBM+17] I. Muñoz-Pandiella, C. Bosch, N. Mérillou, X. Pueyo, and S. Mérillou. Real-time solar exposure simulation in complex cities. *Computer Graphics Forum*, 36(8):554–566, December 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Masia:2012:POC

[MPCG12] Belen Masia, Lara Presa, Adrian Corrales, and Diego Gutierrez. Perceptually optimized coded apertures for defocus deblurring. *Computer Graphics Forum*, 31(6):1867–1879, September 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Mattausch:2014:GAR

[MPM+14] Oliver Mattausch, Daniele Panozzo, Claudio Mura, Olga Sorkine-Hornung, and Renato Pajarola. Geometry acquisition, reconstruction and analysis: Object detection and classification from large-scale cluttered indoor scans. *Computer Graphics Forum*, 33(2):11–21, May 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Marcias:2013:MAA

[MPP+13] Giorgio Marcias, Nico Pietroni, Daniele Panozzo, Enrico Puppo, and Olga Sorkine-Hornung. Meshing: Animation-aware quadrangulation. *Computer Graphics Forum*, 32(5):167–175, August 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Mitra:2013:SGE

[MPWC13] Niloy J. Mitra, Mark Pauly, Michael Wand, and Duygu Ceylan. Symmetry in 3D geometry: Extraction and applications. *Computer Graphics Forum*, 32(6):1–23, September 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Melvaer:2012:GPC

[MR12] Eivind Lyche Melvær and Martin Reimers. Geodesic polar coordinates on polygonal meshes. *Computer Graphics Forum*, 31(8):2423–2435, December 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Maisch:2017:SAM

[MR17] S. Maisch and T. Ropinski. Spatial adjacency maps for translucency simulation under general illumination. *Computer Graphics Forum*, 36(2):443–453, May 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Mueller-Roemer:2017:PPT

[MRAS17] J. S. Mueller-Roemer, C. Altenhofen, and A. Stork. Parallel processing: Ternary sparse matrix representation for volumetric mesh subdivision and processing on GPUs. *Computer Graphics Forum*, 36(5):59–69, August 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Melzi:2018:LMH

[MRCB18] S. Melzi, E. Rodolà, U. Castellani, and M. M. Bronstein. Localized manifold harmonics for spectral shape analysis. *Computer Graphics Forum*, 37(6):20–34, September 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

McIntosh:2012:ESB

[MRD12] L. McIntosh, B. E. Riecke, and S. DiPaola. Efficiently simulating the Bokeh of polygonal apertures in a post-process depth of field shader. *Computer Graphics Forum*, 31(6):1810–1822, September 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Molchanov:2010:VRV

[MRL10] Vladimir Molchanov, Paul Rosenthal, and Lars Linsen. Volume reconstruction and visualization: Non-iterative second-order approximation of signed distance functions for any isosurface representation. *Computer Graphics Forum*, 29(3):1211–1220, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

McKenna:2017:VNF

[MRL+17] S. McKenna, N. Henry Riche, B. Lee, J. Boy, and M. Meyer. Visual narrative flow: Exploring factors shaping data visualization story reading experiences. *Computer Graphics Forum*, 36 (3):377–387, June 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Madaras:2018:SST

[MRM+18] M. Madaras, A. Riečický, M. Mesároš, M. Stuchlík, and M. Piovarči. Skeletex: Skeleton-texture co-representation for topology-driven real-time interchange and manipulation of surface regions. *Computer Graphics Forum*, 37(7):325–336, October 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Mehta:2012:MAA

[MRMH12] Soham Uday Mehta, Ravi Ramamoorthi, Mark Meyer, and Christophe Hery. Material appearance: Analytic tangent irradiance environment maps for anisotropic surfaces. *Computer Graphics Forum*, 31(4):1501–1508, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Morvan:2012:EIB

[MRS12] T. Morvan, M. Reimers, and E. Samset. Efficient image-based proximity queries with object-space precision. *Computer Graphics Forum*, 31(1):62–74, February 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Mueller-Roemer:2018:GBP

[MRS18] J. S. Mueller-Roemer and A. Stork. GPU-based polynomial finite element matrix assembly for simplex meshes. *Computer Graphics Forum*, 37(7):443–454, October 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Manson:2010:DGM

[MS10a] Josiah Manson and Scott Schaefer. Differential geometry: Moving least squares coordinates. *Computer Graphics Forum*, 29(5):1517–1524, July 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Manson:2010:ISA

[MS10b] Josiah Manson and Scott Schaefer. Implicit surfaces and augmented reality: Isosurfaces over simplicial partitions of multiresolution grids. *Computer Graphics Forum*, 29(2):377–385, May 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Manson:2011:QSW

[MS11a] J. Manson and S. Schaefer. Quality and scalability: Wavelet rasterization. *Computer Graphics Forum*, 30(2):395–404, April 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Manson:2011:HDL

[MS11b] Josiah Manson and Scott Schaefer. Hierarchical deformation of locally rigid meshes. *Computer Graphics Forum*, 30(8):2387–2396, December 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Manson:2012:GPA

[MS12] Josiah Manson and Scott Schaefer. Geometry: Parameterization-aware MIP-mapping. *Computer Graphics Forum*, 31(4):1455–1463, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Manson:2013:PPA

[MS13] Josiah Manson and Scott Schaefer. Pixels and points: Analytic rasterization of curves with polynomial filters. *Computer Graphics Forum*, 32(2pt4):499–507, May 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Manson:2014:GRB

[MS14] Josiah Manson and Scott Schaefer. GPU rendering: Bilinear accelerated filter approximation. *Computer Graphics Forum*, 33(4):33–40, July 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Manson:2016:FRF

[MS16] Josiah Manson and Peter-Pike Sloan. Faster rendering: Fast filtering of reflection probes. *Computer Graphics Forum*, 35 (4):119–127, July 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Mavridis:2015:SMO

[MSAP15] P. Mavridis, I. Sipiran, A. Andreadis, and G. Papaioannou. Shape and mesh: Object completion using k-sparse optimization. *Computer Graphics Forum*, 34(7):13–21, October 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

May:2012:LGU

[MSDK12] T. May, M. Steiger, J. Davey, and J. Kohlhammer. Large graphs: Using signposts for navigation in large graphs. *Computer Graphics Forum*, 31(3pt2):985–994, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

McKenna:2016:NGB

[MSFM16] S. McKenna, D. Staheli, C. Fulcher, and M. Meyer. Networks and graphs 2: BubbleNet: a cyber security dashboard for visualizing patterns. *Computer Graphics Forum*, 35(3):281–290, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Milliez:2018:HTS

[MSGT18] A. Milliez, R. W. Sumner, M. Gross, and B. Thomaszewski. HairControl: a tracking solution for directable hair simulation. *Computer Graphics Forum*, 37(8):115–123, December 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Meng:2015:MAP

[MSHD15] Johannes Meng, Florian Simon, Johannes Hanika, and Carsten Dachsbacher. Material appearance: Physically meaningful rendering using tristimulus colours. *Computer Graphics Forum*, 34(4):31–40, July 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Mittelstadt:2014:CPM

[MSK14] S. Mittelstädt, A. Stoffel, and D. A. Keim. Cognition and perception: Methods for compensating contrast effects in information visualization. *Computer Graphics Forum*, 33(3):231–240, June 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Meyer:2010:CGT

[MSS+10] Quirin Meyer, Jochen Süßmuth, Gerd Sußner, Marc Stamminger, and Günther Greiner. Computer graphics theory: On floating-point normal vectors. *Computer Graphics Forum*, 29 (4):1405–1409, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Manson:2011:MPS

[MSS11] J. Manson, J. Smith, and S. Schaefer. Mesh processing and surface reconstruction: Contouring discrete indicator functions. *Computer Graphics Forum*, 30(2):385–393, April 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Mattausch:2010:HQS

[MSW10] Oliver Mattausch, Daniel Scherzer, and Michael Wimmer. High-quality screen-space ambient occlusion using temporal coherence. *Computer Graphics Forum*, 29(8):2492–2503, December 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Mennens:2019:SGL

[MSW19] Robin J. P. Mennens, Roeland Scheepens, and Michel A. Westenberg. A stable graph layout algorithm for processes. *Computer Graphics Forum*, 38(3):725–737, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Mattausch:2012:GTI

[MSWI12] Oliver Mattausch, Daniel Scherzer, Michael Wimmer, and Takeo Igarashi. Geometry: Tessellation-independent smooth shadow boundaries. *Computer Graphics Forum*, 31(4):1465–1470, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Mason:2018:FSL

[MSZ+18] I. Mason, S. Starke, H. Zhang, H. Bilen, and T. Komura. Few-shot learning of homogeneous human locomotion styles. *Computer Graphics Forum*, 37(7):143–153, October 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Munkberg:2012:OPV

[MTAM12] Jacob Munkberg, Robert Toth, and Tomas Akenine-Möller. Optics: Per-vertex defocus blur for stochastic rasterization. *Computer Graphics Forum*, 31(4):1385–1389, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Mantiuk:2012:CFS

[MTM12] Rafał K. Mantiuk, Anna Tomaszewska, and Radosław Mantiuk. Comparison of four subjective methods for image quality assessment. *Computer Graphics Forum*, 31(8):2478–2491, December 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Muratet:2011:EFP

[MTVJ11] M. Muratet, P. Torguet, F. Viallet, and J. P. Jessel. Experimental feedback on Prog&Play: a serious game for programming practice. *Computer Graphics Forum*, 30(1):61–73, March 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Munoz:2014:HOR

[Muñ14] Adolfo Muñoz. Higher order ray marching. *Computer Graphics Forum*, 33(8):167–176, December 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Meuschke:2017:GBC

[MVB+17] M. Meuschke, S. Voß, O. Beuing, B. Preim, and K. Lawonn. Glyph-based comparative stress tensor visualization in cerebral aneurysms. *Computer Graphics Forum*, 36(3):99–108, June 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Munkberg:2014:RDL

[MVH+14] Jacob Munkberg, Karthik Vaidyanathan, Jon Hasselgren, Petrik Clarberg, and Tomas Akenine-Möller. Reconstruction and denoising: Layered reconstruction for defocus and motion blur. *Computer Graphics Forum*, 33(4):81–92, July 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ma:2014:PMG

[MVLS14] Chongyang Ma, Nicholas Vining, Sylvain Lefebvre, and Alla Sheffer. Procedural Modeling I: Game level layout from design specification. *Computer Graphics Forum*, 33(2):95–104, May 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Martinez:2011:SSC

[MVPG11] J. Martinez, M. Vigo, and N. Pla-Garcia. Section 7: Skeleton computation of orthogonal polyhedra. *Computer Graphics Forum*, 30(5):1573–1582, August 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Manzi:2016:RTR

[MVZ16] M. Manzi, D. Vicini, and M. Zwicker. Rendering techniques: Regularizing image reconstruction for gradient-domain rendering with feature patches. *Computer Graphics Forum*, 35(2): 263–273, May 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Maletz:2011:RTR

[MW11] David Maletz and Rui Wang. Ray tracing and real-time rendering: Importance point projection for GPU-based final gathering. *Computer Graphics Forum*, 30(4):1327–1336, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Mazurek:2018:VEQ

[MW18a] Michael Mazurek and Manuela Waldner. Visualizing expanded query results. *Computer Graphics Forum*, 37(3):87–98, June 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Mirzargar:2018:RCL

[MW18b] Mahsa Mirzargar and Ross T. Whitaker. Representative consensus from limited-size ensembles. *Computer Graphics Forum*, 37(3):13–22, June 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Musialski:2013:SUR

[MWA+13] P. Musialski, P. Wonka, D. G. Aliaga, M. Wimmer, L. van Gool, and W. Purgathofer. A survey of urban reconstruction. *Computer Graphics Forum*, 32(6):146–177, September 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Milliez:2013:SMM

[MWCS13] A. Milliez, M. Wand, M.-P. Cani, and H.-P. Seidel. Shape modeling: Mutable elastic models for sculpting structured shapes.

Computer Graphics Forum, 32(2pt1):21–30, May 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Manteaux:2017:APB

[MWN+17] P.-L. Manteaux, C. Wojtan, R. Narain, S. Redon, F. Faure, and M.-P. Cani. Adaptive physically based models in computer graphics. *Computer Graphics Forum*, 36(6):312–337, September 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Meyer:2010:APT

[MWS+10] M. Meyer, B. Wong, M. Styczynski, T. Munzner, and H. Pfister. Applications: Pathline: a tool for comparative functional genomics. *Computer Graphics Forum*, 29(3):1043–1052, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ma:2016:IPA

[MWS+16] Li-Qian Ma, Jue Wang, Eli Shechtman, Kalyan Sunkavalli, and Shi-Min Hu. Image processing: Appearance harmonization for single image shadow removal. *Computer Graphics Forum*, 35 (7):189–197, October 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Mizuno:2019:OSA

[MWTI19] Kazuyo Mizuno, Hsiang-Yun Wu, Shigeo Takahashi, and Takeo Igarashi. Optimizing stepwise animation in dynamic set diagrams. *Computer Graphics Forum*, 38(3):13–24, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Musialski:2012:CBI

[MWW12] Przemysław Musialski, Michael Wimmer, and Peter Wonka. Cities and buildings: Interactive coherence-based Façade modeling. *Computer Graphics Forum*, 31(2pt3):661–670, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Mukherjee:2016:RID

[MWW16] R. Mukherjee, X. Wu, and H. Wang. Reconstruction: Incremental deformation subspace reconstruction. *Computer Graph-*

ics Forum, 35(7):169–178, October 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ma:2019:TRD

[MYGY19] Li-Ke Ma, Zeshi Yang, Baining Guo, and KangKang Yin. Towards robust direction invariance in character animation. *Computer Graphics Forum*, 38(7):235–242, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ma:2016:ASL

[MYLZ16] Guanghui Ma, Juntao Ye, Jituo Li, and Xiaopeng Zhang. Anisotropic strain limiting for quadrilateral and triangular cloth meshes. *Computer Graphics Forum*, 35(1):89–99, February 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Nalbach:2017:LSD

[NAM+17] O. Nalbach, E. Arabadzhiyska, D. Mehta, H.-P. Seidel, and T. Ritschel. Lighting and shading: Deep shading: Convolutional neural networks for screen space shading. *Computer Graphics Forum*, 36(4):65–78, July 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Nocaj:2012:GDC

[NB12] Arlind Nocaj and Ulrik Brandes. Graphs and diagrams: Computing Voronoi treemaps: Faster, simpler, and resolution-independent. *Computer Graphics Forum*, 31(3pt1):855–864, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Noel:2015:RTS

[NB15] Laurent Noël and Venceslas Biri. Ray tracing: Skeleton based vertex connection resampling for bidirectional path tracing. *Computer Graphics Forum*, 34(7):299–307, October 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Nishida:2018:PMB

[NBA18] Gen Nishida, Adrien Bousseau, and Daniel G. Aliaga. Procedural modeling of a building from a single image. *Computer Graphics Forum*, 37(2):415–429, May 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Nishida:2019:MPI

[NBA19] G. Nishida, A. Bousseau, and D. G. Aliaga. Multi-pose interactive linkage design. *Computer Graphics Forum*, 38(2):277–289, May 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Nguyen:2011:SOA

[NBCW+11] Andy Nguyen, Mirela Ben-Chen, Katarzyna Welnicka, Yinyu Ye, and Leonidas Guibas. Section 4: an optimization approach to improving collections of shape maps. *Computer Graphics Forum*, 30(5):1481–1491, August 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Naderi:2018:LPB

[NBH18a] Kourosh Naderi, Amin Babadi, and Perttu Hämäläinen. Learning physically based humanoid climbing movements. *Computer Graphics Forum*, 37(8):69–80, December 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Nasikun:2018:FAL

[NBH18b] Ahmad Nasikun, Christopher Brandt, and Klaus Hildebrandt. Fast approximation of Laplace–Beltrami eigenproblems. *Computer Graphics Forum*, 37(5):121–134, August 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Nucha:2017:CCT

[NBHN17] Girijanandan Nucha, Georges-Pierre Bonneau, Stefanie Hahmann, and Vijay Natarajan. Computing contour trees for 2D piecewise polynomial functions. *Computer Graphics Forum*, 36 (3):23–33, June 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Nowrouzezahrai:2014:VSS

[NBMJ14] Derek Nowrouzezahrai, Ilya Baran, Kenny Mitchell, and Wojciech Jarosz. Visibility silhouettes for semi-analytic spherical integration. *Computer Graphics Forum*, 33(1):105–117, February 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Nielsen:2010:FSI

[NC10] Michael B. Nielsen and Brian B. Christensen. Fluids and smoke: Improved variational guiding of smoke animations. *Compu-*

ter Graphics Forum, 29(2):705–712, May 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Nian:2016:MIP

[NC16] Xianshun Nian and Falai Chen. Matching and interpolation: Planar shape interpolation based on Teichmüller mapping. *Computer Graphics Forum*, 35(7):43–56, October 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Novak:2012:MMR

[ND12] Jan Novák and Carsten Dachsbacher. Massive models: Rasterized bounding volume hierarchies. *Computer Graphics Forum*, 31(2pt2):403–412, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Nguyen:2014:RDR

[NDD14] H. H. Nguyen, B. Desbenoit, and M. Daniel. Reconstruction and depth: Realistic road path reconstruction from GIS data. *Computer Graphics Forum*, 33(7):259–268, October 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Newson:2017:SFG

[NDG17] A. Newson, J. Delon, and B. Galerne. A stochastic film grain model for resolution-independent rendering. *Computer Graphics Forum*, 36(8):684–699, December 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Nishida:2016:EDP

[NGDA16] G. Nishida, I. Garcia-Dorado, and D. G. Aliaga. Example-driven procedural urban roads. *Computer Graphics Forum*, 35 (6):5–17, September 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Novak:2018:MCM

[NGHJ18] Jan Novák, Iliyan Georgiev, Johannes Hanika, and Wojciech Jarosz. Monte Carlo methods for volumetric light transport simulation. *Computer Graphics Forum*, 37(2):551–576, May 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Nader:2014:SAM

[NGM14] G. Nader, G. Guennebaud, and N. Mellado. Surfaces: Adaptive multi-scale analysis for point-based surface editing. *Computer Graphics Forum*, 33(7):171–179, October 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Nusrat:2019:TTT

[NHG19] S. Nusrat, T. Harbig, and N. Gehlenborg. Tasks, techniques, and tools for genomic data visualization. *Computer Graphics Forum*, 38(3):781–805, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ngo:2016:NGV

[NHL16] Quynh Quang Ngo, Marc-Thorsten Hütt, and Lars Linsen. Networks and graphs 2: Visual analysis of governing topological structures in excitable network dynamics. *Computer Graphics Forum*, 35(3):301–310, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Nabata:2016:RRE

[NIDN16] K. Nabata, K. Iwasaki, Y. Dobashi, and T. Nishita. Realistic rendering: an error estimation framework for many-light rendering. *Computer Graphics Forum*, 35(7):431–439, October 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Neugebauer:2011:MDV

[NJB+11] Mathias Neugebauer, Gabor Janiga, Oliver Beuing, Martin Skalej, and Bernhard Preim. Medical data visualization: Anatomy-guided multi-level exploration of blood flow in cerebral aneurysms. *Computer Graphics Forum*, 30(3):1041–1050, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ni:2019:UDL

[NJC+19] Lixia Ni, Haiyong Jiang, Jianfei Cai, Jianmin Zheng, Haifeng Li, and Xu Liu. Unsupervised dense light field reconstruction with occlusion awareness. *Computer Graphics Forum*, 38(7): 425–436, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Nan:2015:CRT

[NJGW15] Liangliang Nan, Caigui Jiang, Bernard Ghanem, and Peter Wonka. Cities & roads: Template assembly for detailed urban reconstruction. *Computer Graphics Forum*, 34(2):217–228, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Nusrat:2016:ASA

[NK16] Sabrina Nusrat and Stephen Kobourov. Applications: The state of the art in cartograms. *Computer Graphics Forum*, 35 (3):619–642, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Nguyen:2014:CII

[NKB14] R. M. H. Nguyen, S. J. Kim, and M. S. Brown. Color and imaging: Illuminant aware gamut-based color transfer. *Computer Graphics Forum*, 33(7):319–328, October 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Niessner:2016:RTR

[NKF+16] M. Nießner, B. Keinert, M. Fisher, M. Stamminger, C. Loop, and H. Schäfer. Real-time rendering techniques with hardware tessellation. *Computer Graphics Forum*, 35(1):113–137, February 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Nguyen:2010:ESM

[NKLN10] Chuong H. Nguyen, Min-Ho Kyung, Joo-Haeng Lee, and Seung-Woo Nam. Editing of shadows and materials: a PCA decomposition for real-time BRDF editing and relighting with global illumination. *Computer Graphics Forum*, 29(4):1469–1478, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Nakamura:2016:FID

[NKSI16] Morihiro Nakamura, Yuki Koyama, Daisuke Sakamoto, and Takeo Igarashi. Fabrication: an interactive design system of free-formed bamboo-copters. *Computer Graphics Forum*, 35 (7):323–332, October 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Nivoliers:2013:FAA

[NL13] V. Nivoliers and B. Lévy. Fitting and approximation: Approximating functions on a mesh with restricted Voronoï diagrams. *Computer Graphics Forum*, 32(5):83–92, August 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Nirel:2018:FPV

[NL18] D. Nirel and D. Lischinski. Fast penetration volume for rigid bodies. *Computer Graphics Forum*, 37(2):239–250, May 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Neugebauer:2013:MVA

[NLB+13] M. Neugebauer, K. Lawonn, O. Beuing, P. Berg, G. Janiga, and B. Preim. Medical visualization: AmniVis – a system for qualitative exploration of near-wall hemodynamics in cerebral aneurysms. *Computer Graphics Forum*, 32(3pt3):251–260, June 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Nah:2014:SSA

[NM14] Jae-Ho Nah and Dinesh Manocha. SATO: Surface area traversal order for shadow ray tracing. *Computer Graphics Forum*, 33 (6):167–177, September 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Nunes:2019:AML

[NMM+19] Augusto L. P. Nunes, Anderson Maciel, Gary W. Meyer, Nigel W. John, Gladimir V. G. Baranoski, and Marcelo Walter. Appearance modelling of living human tissues. *Computer Graphics Forum*, 38(6):43–65, September 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Nogneng:2018:IFM

[NMR+18] D. Nogneng, S. Melzi, E. Rodolà, U. Castellani, M. Bronstein, and M. Ovsjanikov. Improved functional mappings via product preservation. *Computer Graphics Forum*, 37(2):179–190, May 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Nobre:2019:SAV

[NMSL19] C. Nobre, M. Meyer, M. Streit, and A. Lex. The state of the art in visualizing multivariate networks. *Computer Graphics Forum*, 38(3):807–832, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Novak:2012:GIP

[NNDJ12] Jan Novák, Derek Nowrouzezahrai, Carsten Dachsbacher, and Wojciech Jarosz. Global illumination: Progressive virtual beam lights. *Computer Graphics Forum*, 31(4):1407–1413, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Nagaraj:2011:MDV

[NNN11] Suthambhara Nagaraj, Vijay Natarajan, and Ravi S. Nanjundiah. Multidimensional data visualization: a gradient-based comparison measure for visual analysis of multifield data. *Computer Graphics Forum*, 30(3):1101–1110, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Nguyen:2015:ICG

[NNRS15] Chuong H. Nguyen, Oliver Nalbach, Tobias Ritschel, and Hans-Peter Seidel. Image collections: Guiding image manipulations using shape-appearance subspaces from co-alignment of image collections. *Computer Graphics Forum*, 34(2):143–154, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Nogneng:2017:IDP

[NO17] Dorian Nogneng and Maks Ovsjanikov. Informative descriptor preservation via commutativity for shape matching. *Computer Graphics Forum*, 36(2):259–267, May 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Nguyen:2017:CRS

[NPCB17] R. M. H. Nguyen, B. Price, S. Cohen, and M. S. Brown. Coloring, rendering, and sampling: Group-theme recoloring for multi-image color consistency. *Computer Graphics Forum*, 36 (7):83–92, October 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Neubert:2011:IMV

[NPDD11] B. Neubert, S. Pirk, O. Deussen, and C. Dachsbacher. Improved model- and view-dependent pruning of large botanical scenes. *Computer Graphics Forum*, 30(6):1708–1718, September 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Nichols:2010:SOI

[NPW10] Greg Nichols, Rajeev Penmatsa, and Chris Wyman. Shadows and order independent transparency: Interactive, multiresolution image-space rendering for dynamic area lighting. *Computer Graphics Forum*, 29(4):1279–1288, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Noguera:2014:OGS

[NREM14] José M. Noguera, Antonio J. Rueda, Miguel A. Espada, and Máximo Martín. Optimized generation of stereoscopic CGI films by 3D image warping. *Computer Graphics Forum*, 33(8): 145–156, December 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Nguyen:2012:TMM

[NRM+12] Chuong H. Nguyen, Tobias Ritschel, Karol Myszkowski, Elmar Eisemann, and Hans-Peter Seidel. Textures and materials: 3D material style transfer. *Computer Graphics Forum*, 31 (2pt2):431–438, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Nieser:2011:SCC

[NRP11] M. Nieser, U. Reitebuch, and K. Polthier. Section 2: CUBE COVER — parameterization of 3D volumes. *Computer Graphics Forum*, 30(5):1397–1406, August 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Noll:2011:ETE

[NS11] T. Nöll and D. Strieker. Efficient textures: Efficient packing of arbitrary shaped charts for automatic texture Atlas generation. *Computer Graphics Forum*, 30(4):1309–1317, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Najgebauer:2019:IBF

[NS19] Patryk Najgebauer and Rafał Scherer. Inertia-based fast vectorization of line drawings. *Computer Graphics Forum*, 38(7): 203–213, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Nan:2014:RDD

[NSC14] Liangliang Nan, Andrei Sharf, and Baoquan Chen. Reconstruction and depth: 2d-d lifting for shape reconstruction. *Computer Graphics Forum*, 33(7):249–258, October 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Navarro:2011:MBR

[NSG11] Fernando Navarro, Francisco J. Serón, and Diego Gutierrez. Motion blur rendering: State of the art. *Computer Graphics Forum*, 30(1):3–26, March 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Neuroth:2019:IVS

[NSM19] T. A. Neuroth, F. Sauer, and K. L. Ma. An interactive visualization system for large sets of phase space trajectories. *Computer Graphics Forum*, 38(3):297–309, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Nalbach:2017:PCR

[NSR17] O. Nalbach, H.-P. Seidel, and T. Ritschel. Practical capture and reproduction of phosphorescent appearance. *Computer Graphics Forum*, 36(2):409–420, May 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Nguyen:2013:LEM

[NSRS13] Chuong H. Nguyen, Daniel Scherzer, Tobias Ritschel, and Hans-Peter Seidel. Looking and editing: Material editing in complex scenes by surface light field manipulation and reflectance optimization. *Computer Graphics Forum*, 32(2pt2): 185–194, May 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Noris:2012:SSS

[NSS+12] G. Noris, D. Sýkora, A. Shamir, S. Coros, B. Whited, M. Simmons, A. Hornung, M. Gross, and R. Sumner. Smart scribbles for sketch segmentation. *Computer Graphics Forum*, 31(8):

2516–2527, December 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Neumann:2013:MCS

[NVH+13] T. Neumann, K. Varanasi, N. Hasler, M. Wacker, M. Magnor, and C. Theobalt. Models: Capture and statistical modeling of arm-muscle deformations. *Computer Graphics Forum*, 32 (2pt3):285–294, May 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Neumann:2014:CFC

[NVT+14] T. Neumann, K. Varanasi, C. Theobalt, M. Magnor, and M. Wacker. Coordinates and fields: Compressed manifold modes for mesh processing. *Computer Graphics Forum*, 33 (5):35–44, August 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Nafari:2013:TAV

[NW13] M. Nafari and C. Weaver. Text: Augmenting visualization with natural language translation of interaction: a usability study. *Computer Graphics Forum*, 32(3pt4):391–400, June 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Nash:2017:DSS

[NW17] C. Nash and C. K. I. Williams. Design and segmentation: The shape variational autoencoder: a deep generative model of part-segmented 3D objects. *Computer Graphics Forum*, 36(5):1–12, August 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Nader:2016:GVC

[NWHWfD16] G. Nader, K. Wang, F. Hétroy-Wheeler, and f. Dupont. Geometry: Visual contrast sensitivity and discrimination for 3D meshes and their applications. *Computer Graphics Forum*, 35 (7):497–506, October 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ni:2018:FAL

[NZH+18] Saifeng Ni, Zichun Zhong, Jin Huang, Wenping Wang, and Xiaohu Guo. Field-aligned and lattice-guided tetrahedral meshing. *Computer Graphics Forum*, 37(5):161–172, August 2018.

CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Okoe:2014:CPG

[OAJ14] Mershack Okoe, Sayeed Safayet Alam, and Radu Jianu. Cognition and perception: a gaze-enabled graph visualization to improve graph reading tasks. *Computer Graphics Forum*, 33 (3):251–260, June 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Oster:2018:FTF

[OAM+18] T. Oster, A. Abdelsamie, M. Motejat, T. Gerrits, C. Rössl, D. Thévenin, and H. Theisel. On-the-fly tracking of flame surfaces for the visual analysis of combustion processes. *Computer Graphics Forum*, 37(6):358–369, September 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Okabe:2011:ACF

[OAO11] Makoto Okabe, Ken Anjyor, and Rikio Onai. Animation: Creating fluid animation from a single image using video database. *Computer Graphics Forum*, 30(7):1973–1982, September 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ovsjanikov:2013:AVM

[OBCCG13] M. Ovsjanikov, M. Ben-Chen, F. Chazal, and L. Guibas. Analysis and visualization of maps between shapes. *Computer Graphics Forum*, 32(6):135–145, September 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Olano:2011:ETV

[OBGB11] M. Olano, D. Baker, W. Griffin, and J. Barczak. Efficient textures: Variable bit rate GPU texture decompression. *Computer Graphics Forum*, 30(4):1299–1308, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Obermaier:2011:VSA

[OBH+11] H. Obermaier, M. I. Billen, H. Hagen, M. Hering-Bertram, and B. Hamann. Visualizing strain anisotropy in mantle flow fields. *Computer Graphics Forum*, 30(8):2301–2313, December 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ono:2018:BTS

[ODS18] Jorge P. Ono, Carlos Dietrich, and Claudio T. Silva. Baseball timeline: Summarizing baseball plays into a static visualization. *Computer Graphics Forum*, 37(3):491–501, June 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Otto:2010:VUV

[OGHT10] Mathias Otto, Tobias Germer, Hans-Christian Hege, and Holger Theisel. Visualization: Uncertain 2D vector field topology. *Computer Graphics Forum*, 29(2):347–356, May 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ottley:2019:FCL

[OGW19] Alvitta Ottley, Roman Garnett, and Ran Wan. Follow the clicks: Learning and anticipating mouse interactions during exploratory data analysis. *Computer Graphics Forum*, 38(3):41–52, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ovsjanikov:2011:SCN

[OHG11] Maks Ovsjanikov, Qi-Xing Huang, and Leonidas Guibas. Section 5: a condition number for non-rigid shape matching. *Computer Graphics Forum*, 30(5):1503–1512, August 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Okoe:2015:EGG

[OJ15] Mershack Okoe and Radu Jianu. Evaluation of graphs: GraphUnit: Evaluating interactive graph visualizations using crowdsourcing. *Computer Graphics Forum*, 34(3):451–460, June 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Oeltze-Jafra:2019:GVE

[OJMN+19] S. Oeltze-Jafra, M. Meuschke, M. Neugebauer, S. Saalfeld, K. Lawonn, G. Janiga, H.-C. Hege, S. Zachow, and B. Preim. Generation and visual exploration of medical flow data: Survey, research trends and future challenges. *Computer Graphics Forum*, 38(1):87–125, February 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Oelke:2011:ODF

[OJS+11] Daniela Oelke, Halldor Janetzko, Svenja Simon, Klaus Neuhaus, and Daniel A. Keim. Overview & detail, focus+context visualization: Visual boosting in pixel-based visualizations. *Computer Graphics Forum*, 30(3):871–880, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Orthmann:2012:TBA

[OK12] Jens Orthmann and Andreas Kolb. Temporal blending for adaptive SPH. *Computer Graphics Forum*, 31(8):2436–2449, December 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ozturk:2010:CBB

[ÖKB10] Aydın Öztürk, Murat Kurt, and Ahmet Bilgili. A copula-based BRDF model. *Computer Graphics Forum*, 29(6):1795–1806, September 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Oh:2010:RRW

[OKG+10] Se Baek Oh, Sriram Kashyap, Rohit Garg, Sharat Chandran, and Ramesh Raskar. Rendering I: Rendering wave effects with augmented light field. *Computer Graphics Forum*, 29(2):507–516, May 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Oelke:2013:TFM

[OKK13] D. Oelke, D. Kokkinakis, and D. A. Keim. Text: Fingerprint matrices: Uncovering the dynamics of social networks in prose literature. *Computer Graphics Forum*, 32(3pt4):371–380, June 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Oesau:2016:PSD

[OLA16] Sven Oesau, Florent Lafarge, and Pierre Alliez. Planar shape detection and regularization in tandem. *Computer Graphics Forum*, 35(1):203–215, February 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Oster:2014:ASR

[OLF+14] Timo Oster, Dirk J. Lehmann, Gordon Fru, Holger Theisel, and Dominique Thévenin. Applications: Sparse representation and visualization for direct numerical simulation of premixed combustion. *Computer Graphics Forum*, 33(3):321–330, June 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ohrhallinger:2013:EAD

[OM13] S. Ohrhallinger and S. Mudur. An efficient algorithm for determining an aesthetic shape connecting unorganized 2D points. *Computer Graphics Forum*, 32(8):72–88, December 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ovsjanikov:2010:MOP

[OMMG10] Maks Ovsjanikov, Quentin Mérigot, Facundo Mémoli, and Leonidas Guibas. Matching: One point isometric matching with the heat kernel. *Computer Graphics Forum*, 29(5):1555–1564, July 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ovsjanikov:2013:SAS

[OMPG13] Maks Ovsjanikov, Quentin Mérigot, Viorica Pătrăucean, and Leonidas Guibas. Shape analysis: Shape matching via quotient spaces. *Computer Graphics Forum*, 32(5):1–11, August 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ohrhallinger:2016:RCR

[OMW16] S. Ohrhallinger, S. A. Mitchell, and M. Wimmer. Reconstruction: Curve reconstruction with many fewer samples. *Computer Graphics Forum*, 35(5):167–176, August 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ou:2010:CGS

[OP10] Jiawei Ou and Fabio Pellacini. Computer graphics systems: SafeGI: Type checking to improve correctness in rendering system implementation. *Computer Graphics Forum*, 29(4):1269–1277, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Obert:2010:ESM

[OPP10] Juraj Obert, Fabio Pellacini, and Sumanta Pattanaik. Editing of shadows and materials: Visibility editing for all-frequency shadow design. *Computer Graphics Forum*, 29(4):1441–1449, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Oster:2018:CLS

[ORT18] T. Oster, C. Rössl, and H. Theisel. Core lines in 3D second-order tensor fields. *Computer Graphics Forum*, 37(3):327–337, June 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Oelke:2014:DTV

[OSR+14] D. Oelke, H. Strobelt, C. Rohrdantz, I. Gurevych, and O. Deussen. Document and text visualization: Comparative exploration of document collections: a visual analytics approach. *Computer Graphics Forum*, 33(3):201–210, June 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ogaki:2011:RTR

[OT11] Shinji Ogaki and Yusuke Tokuyoshi. Ray tracing and real-time rendering: Direct ray tracing of Phong tessellation. *Computer Graphics Forum*, 30(4):1337–1344, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Otto:2012:UVA

[OT12] Mathias Otto and Holger Theisel. Uncertainty: Vortex analysis in uncertain vector fields. *Computer Graphics Forum*, 31(3pt2): 1035–1044, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Okura:2015:ACI

[OVB+15] Fumio Okura, Kenneth Vanhoey, Adrien Bousseau, Alexei A. Efros, and George Drettakis. Appearance changes and images: Unifying color and texture transfer for predictive appearance manipulation. *Computer Graphics Forum*, 34(4):53–63, July 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Otten:2010:FLI

[OVV10] Ron Otten, Anna Vilanova, and Huub Van De Wetering. Fiber & lines: Illustrative White matter fiber bundles. *Computer Graphics Forum*, 29(3):1013–1022, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ohrhallinger:2019:FCN

[OW19] S. Ohrhallinger and M. Wimmer. FitConnect: Connecting noisy 2D samples by fitted neighbourhoods. *Computer Graphics Forum*, 38(1):126–137, February 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ou:2012:SII

[OXKP12] Jiawei Ou, Feng Xie, Parashar Krishnamachari, and Fabio Pellacini. Sampling: ISHair: Importance sampling for hair scattering. *Computer Graphics Forum*, 31(4):1537–1545, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Otsu:2018:RSR

[OYH18] H. Otsu, M. Yamamoto, and T. Hachisuka. Reproducing spectral reflectances from tristimulus colours. *Computer Graphics Forum*, 37(6):370–381, September 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Patane:2016:SAR

[Pat16] Giuseppe Patané. State of the art reports: STAR — Laplacian spectral kernels and distances for geometry processing and shape analysis. *Computer Graphics Forum*, 35(2):599–624, May 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Patane:2017:AEC

[Pat17] Giuseppe Patané. Accurate and efficient computation of Laplacian spectral distances and kernels. *Computer Graphics Forum*, 36(1):184–196, January 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Papazov:2011:SDS

[PB11] C. Papazov and D. Burschka. Section 5: Deformable 3D shape registration based on local similarity transforms. *Computer*

Graphics Forum, 30(5):1493–1502, August 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Pokrass:2013:SCS

[PBB+13] J. Pokrass, A. M. Bronstein, M. M. Bronstein, P. Sprechmann, and G. Sapiro. Shape correspondences: Sparse modeling of intrinsic correspondences. *Computer Graphics Forum*, 32(2pt4): 459–468, May 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Preim:2016:BVS

[PBC+16] Bernhard Preim, Alexandra Baer, Douglas Cunningham, Tobias Isenberg, and Timo Ropinski. Biomedical visualization: a survey of perceptually motivated 3D visualization of medical image data. *Computer Graphics Forum*, 35(3):501–525, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Petitjean:2018:SGS

[PBE18] Victor Petitjean, Pablo Bauszat, and Elmar Eisemann. Spectral gradient sampling for path tracing. *Computer Graphics Forum*, 37(4):45–53, July 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Piringer:2010:NAS

[PBK10] H. Piringer, W. Berger, and J. Krasser. Navigating abstract spaces: HyperMoVal: Interactive visual validation of regression models for real-time simulation. *Computer Graphics Forum*, 29 (3):983–992, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Pages:2015:SSM

[PBMG15] R. Pagés, D. Berjón, F. Morán, and N. García. Seamless, static multi-texturing of 3D meshes. *Computer Graphics Forum*, 34 (1):228–238, February 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Pajot:2011:RTC

[PBPP11] Anthony Pajot, Loïc Barthe, Mathias Paulin, and Pierre Poulin. Ray tracing: Combinatorial bidirectional path-tracing for efficient hybrid CPU/GPU rendering. *Computer Graphics Forum*, 30(2):315–324, April 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Peng:2012:MMG

[PC12] Chao Peng and Yong Cao. Massive models: a GPU-based approach for massive model rendering with frame-to-frame coherence. *Computer Graphics Forum*, 31(2pt2):393–402, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Park:2016:MIE

[PCBL16] Hangil Park, Youngjin Cho, Seungbae Bang, and Sung-Hee Lee. Matching and interpolation: an Eulerian approach for constructing a map between surfaces with different topologies. *Computer Graphics Forum*, 35(7):11–19, October 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Palma:2016:DGT

[PCBS16] Gianpaolo Palma, Paolo Cignoni, Tamy Boubekeur, and Roberto Scopigno. Detection of geometric temporal changes in point clouds. *Computer Graphics Forum*, 35(6):33–45, September 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Palma:2012:MAS

[PCDS12] Gianpaolo Palma, Marco Callieri, Matteo Dellepiane, and Roberto Scopigno. Material appearance: a statistical method for SVBRDF approximation from video sequences in general lighting conditions. *Computer Graphics Forum*, 31(4):1491–1500, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Pavic:2010:HB

[PCK10] Darko Pavić, Marcel Campen, and Leif Kobbelt. Hybrid booleans. *Computer Graphics Forum*, 29(1):75–87, March 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Pouli:2011:SIS

[PCR11] Tania Pouli, Douglas W. Cunningham, and Erik Reinhard. A survey of image statistics relevant to computer graphics. *Computer Graphics Forum*, 30(6):1761–1788, September 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Perrier:2018:SLD

[PCX+18] Hélène Perrier, David Coeurjolly, Feng Xie, Matt Pharr, Pat Hanrahan, and Victor Ostromoukhov. Sequences with low-discrepancy blue-noise 2-D projections. *Computer Graphics Forum*, 37(2):339–353, May 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Petrelli:2016:PRL

[PD16] Alioscia Petrelli and Luigi Di Stefano. Pairwise registration by local orientation cues. *Computer Graphics Forum*, 35(6):59–72, September 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Pintus:2019:SAM

[PDC+19] R. Pintus, T. G. Dulecha, I. Ciortan, E. Gobbetti, and A. Giachetti. State-of-the-art in multi-light image collections for surface visualization and analysis. *Computer Graphics Forum*, 38 (3):909–934, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Peytavie:2019:PR

[PDG+19] A. Peytavie, T. Dupont, E. Guérin, Y. Cortial, B. Benes, J. Gain, and E. Galin. Procedural riverscapes. *Computer Graphics Forum*, 38(7):35–46, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Papas:2014:LRP

[PdMJ14] Marios Papas, Krystle de Mesa, and Henrik Wann Jensen. Light and reflectance: a physically-based BSDF for modeling the appearance of paper. *Computer Graphics Forum*, 33(4):133–142, July 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Panozzo:2015:FTM

[PDP+15] Daniele Panozzo, Olga Diamanti, Sylvain Paris, Marco Tarini, Evgeni Sorkine, and Olga Sorkine-Hornung. Fabrication: Texture mapping real-world objects with hydrographics. *Computer Graphics Forum*, 34(5):65–75, August 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Poco:2015:TET

[PDV+15] Jorge Poco, Harish Doraiswamy, Huy. T. Vo, João L. D. Comba, Juliana Freire, and Cláudio. T. Silva. Traffic: Exploring traffic dynamics in urban environments using vector-valued functions. *Computer Graphics Forum*, 34(3):161–170, June 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Poco:2014:ASV

[PDW+14] J. Poco, A. Dasgupta, Y. Wei, W. Hargrove, C. Schwalm, R. Cook, E. Bertini, and C. Silva. Applications: Similarity-Explorer: a visual inter-comparison tool for multifaceted climate data. *Computer Graphics Forum*, 33(3):341–350, June 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Paulovich:2011:MDV

[PEP+11a] F. V. Paulovich, D. M. Eler, J. Poco, C. P. Botha, R. Minghim, and L. G. Nonato. Multidimensional data visualization: Piece wise laplacian-based projection for interactive data exploration and organization. *Computer Graphics Forum*, 30(3):1091–1100, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Poco:2011:MDV

[PEP+11b] J. Poco, R. Etemadpour, F. V. Paulovich, T. V. Long, P. Rosenthal, M. C. F. Oliveira, L. Linsen, and R. Minghim. Multidimensional data visualization: a framework for exploring multidimensional data with 3D projections. *Computer Graphics Forum*, 30(3):1111–1120, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Poco:2012:MVE

[PEPM12] Jorge Poco, Danilo M. Eler, Fernando V. Paulovich, and Rosane Minghim. Medical visualization: Employing 2D projections for fast visual exploration of large fiber tracking data. *Computer Graphics Forum*, 31(3pt2):1075–1084, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Peters:2010:LEL

[Pet10] Thomas J. Peters. Letters to the editors: Letters to the Editors. *Computer Graphics Forum*, 29(6):2008–2009, September

2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Phan:2015:DPF

[PFC15] H. Q. Phan, H. Fu, and A. B. Chan. Drawing and painting: FlexyFont: Learning transferring rules for flexible typeface synthesis. *Computer Graphics Forum*, 34(7):245–256, October 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Pezzotti:2018:MVE

[PFH+18] Nicola Pezzotti, Jean-Daniel Fekete, Thomas Höllt, Boudewijn P. F. Lelieveldt, Elmar Eisemann, and Anna Vilanova. Multiscale visualization and exploration of large bipartite graphs. *Computer Graphics Forum*, 37(3):549–560, June 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Peer:2018:ISF

[PGBT18] Andreas Peer, Christoph Gissler, Stefan Band, and Matthias Teschner. An implicit SPH formulation for incompressible linearly elastic solids. *Computer Graphics Forum*, 37(6):135–148, September 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Peytavie:2010:RGH

[PGGM10] Adrien Peytavie, Eric Galin, Jérôme Grosjean, and Stéphane Mérillou. Reports: a grasping hand, made of small stones. *Computer Graphics Forum*, 29(1):250–251, March 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Poranne:2010:SRU

[PGK10] R. Poranne, C. Gotsman, and D. Keren. 3D surface reconstruction using a generalized distance function. *Computer Graphics Forum*, 29(8):2479–2491, December 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Perard-Gayot:2017:GRT

[PGKS17] Arsène Pérard-Gayot, Javor Kalojanov, and Philipp Slusallek. GPU ray tracing using irregular grids. *Computer Graphics Forum*, 36(2):477–486, May 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Partl:2016:NGP

[PGS+16] C. Partl, S. Gratzl, M. Streit, A. M. Wassermann, H. Pfister, D. Schmalstieg, and A. Lex. Networks and graphs 1: Pathfinder: Visual analysis of paths in graphs. *Computer Graphics Forum*, 35(3):71–80, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Popov:2013:VAQ

[PGSD13] Stefan Popov, Iliyan Georgiev, Philipp Slusallek, and Carsten Dachsbacher. Visibility: Adaptive quantization visibility caching. *Computer Graphics Forum*, 32(2pt4):399–408, May 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Pintore:2019:AMC

[PGVG19] Giovanni Pintore, Fabio Ganovelli, Alberto Jaspe Villanueva, and Enrico Gobbetti. Automatic modeling of cluttered multiroom floor plans from panoramic images. *Computer Graphics Forum*, 38(7):347–358, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Pothkow:2013:UNM

[PH13] Kai Pöthkow and Hans-Christian Hege. Uncertainty: Nonparametric models for uncertainty visualization. *Computer Graphics Forum*, 32(3pt2):131–140, June 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Poco:2017:REV

[PH17] Jorge Poco and Jeffrey Heer. Reverse-engineering visualizations: Recovering visual encodings from chart images. *Computer Graphics Forum*, 36(3):353–363, June 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Pajak:2011:QSS

[PHE+11] Dawid Pająk, Robert Herzog, Elmar Eisemann, Karol Myszkowski, and Hans-Peter Seidel. Quality and scalability: Scalable remote rendering with depth and motion-flow augmented streaming. *Computer Graphics Forum*, 30(2):415–424, April 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Peng:2010:GFO

[PHK+10] Jingliang Peng, Yan Huang, C.-C. Jay Kuo, Ilya Eckstein, and M. Gopi. Geometry I: Feature oriented progressive lossless mesh coding. *Computer Graphics Forum*, 29(7):2029–2038, September 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Pezzotti:2016:HDD

[PHL+16] N. Pezzotti, T. Höllt, B. Lelieveldt, E. Eisemann, and A. Vilanova. High-dimensional data: Hierarchical stochastic neighbor embedding. *Computer Graphics Forum*, 35(3):21–30, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Pajak:2014:IIP

[PHM+14] Dawid Pająk, Robert Herzog, Radosław Mantiuk, Piotr Didyk, Elmar Eisemann, Karol Myszkowski, and Kari Pulli. Images II: Perceptual depth compression for stereo applications. *Computer Graphics Forum*, 33(2):195–204, May 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Pan:2012:AIW

[PHTB12] Zherong Pan, Jin Huang, Yiying Tong, and Hujun Bao. Animation and interaction: Wake synthesis for shallow water equation. *Computer Graphics Forum*, 31(7pt1):2029–2036, September 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Papas:2011:IGG

[PJJ+11] Marios Papas, Wojciech Jarosz, Wenzel Jakob, Szymon Rusinkiewicz, Wojciech Matusik, and Tim Weyrich. Intelligent graphics: Goal-based caustics. *Computer Graphics Forum*, 30 (2):503–511, April 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Parulek:2014:CLD

[PJR+14] Julius Parulek, Daniel Jönsson, Timo Ropinski, Stefan Bruckner, Anders Ynnerman, and Ivan Viola. Continuous levels-of-detail and visual abstraction for seamless molecular visualization. *Computer Graphics Forum*, 33(6):276–287, September 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Prevost:2015:VFR

[PJSH15] Romain Prévost, Wojciech Jarosz, and Olga Sorkine-Hornung. A vectorial framework for ray traced diffusion curves. *Computer Graphics Forum*, 34(1):253–264, February 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Pavic:2010:IPT

[PK10] Darko Pavić and Leif Kobbelt. Images and photography: Two-colored pixels. *Computer Graphics Forum*, 29(2):743–752, May 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Prada:2015:GIU

[PK15] F. Prada and M. Kazhdan. Geometry and images: Unconditionally stable shock filters for image and geometry processing. *Computer Graphics Forum*, 34(5):201–210, August 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Pretorius:2015:BVC

[PKE15] A. J. Pretorius, I. A. Khan, and R. J. Errington. Biomedical visualization: Cell lineage visualisation. *Computer Graphics Forum*, 34(3):21–30, June 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Pretorius:2017:SVL

[PKE17] A. J. Pretorius, I. A. Khan, and R. J. Errington. A survey of visualization for live cell imaging. *Computer Graphics Forum*, 36(1):46–63, January 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Potter:2010:MDV

[PKRJ10] K. Potter, J. Kniss, R. Riesenfeld, and C. R. Johnson. Multivariate data: Visualizing summary statistics and uncertainty. *Computer Graphics Forum*, 29(3):823–832, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Pabst:2010:CFS

[PKS10] Simon Pabst, Artur Koch, and Wolfgang Straßer. Collisions: Fast and scalable CPU/GPU collision detection for rigid and deformable surfaces. *Computer Graphics Forum*, 29(5):1605–1612, July 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Piuze:2011:NPG

[PKS11] Emmanuel Piuze, Paul G. Kry, and Kaleem Siddiqi. Natural phenomena: Generalized helicoids for modeling hair geometry. *Computer Graphics Forum*, 30(2):247–256, April 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Park:2011:FSS

[PLL11] Jong Pil Park, Kang Hoon Lee, and Jehee Lee. Finding syntactic structures from human motion data. *Computer Graphics Forum*, 30(8):2183–2193, December 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Parakkat:2016:RCT

[PM16] Amal Dev Parakkat and Ramanathan Muthuganapathy. Reconstruction: Crawl through neighbors: a simple curve reconstruction algorithm. *Computer Graphics Forum*, 35(5):177–186, August 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Pratapa:2019:HHM

[PM19] S. Pratapa and D. Manocha. HMLFC: Hierarchical motion-compensated light field compression for interactive rendering. *Computer Graphics Forum*, 38(8):1–12, November 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Pinaud:2012:GRP

[PMD12] B. Pinaud, G. Melançon, and J. Dubois. Graphs and relationships: PORGY: a visual graph rewriting environment for complex systems. *Computer Graphics Forum*, 31(3pt4):1265–1274, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Pejsa:2013:ASP

[PMG13] Tomislav Pejsa, Bilge Mutlu, and Michael Gleicher. Animation: Stylized and performative gaze for character animation. *Computer Graphics Forum*, 32(2pt2):143–152, May 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Prashnani:2017:PBA

[PNVS17] Ekta Prashnani, Maneli Noorkami, Daniel Vaquero, and Pradeep Sen. A phase-based approach for animating images using video examples. *Computer Graphics Forum*, 36(6):303–311, September 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Pratapa:2019:TFT

[POCM19] S. Pratapa, T. Olson, A. Chalfin, and D. Manocha. TexNN: Fast texture encoding using neural networks. *Computer Graphics Forum*, 38(1):328–339, February 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Poranne:2013:IPO

[POG13] Roi Poranne, Elena Ovreiu, and Craig Gotsman. Interactive planarization and optimization of 3D meshes. *Computer Graphics Forum*, 32(1):152–163, February 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Pagot:2011:FVE

[POS+11a] C. Pagot, D. Osmari, F. Sadlo, D. Weiskopf, T. Ertl, and J. Comba. Flow visualization: Efficient parallel vectors feature extraction from higher-order data. *Computer Graphics Forum*, 30(3):751–760, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Post:2011:ITD

[Pos11b] Frits H. Post. Invited talks: Data visualization: Featuring interactive visual analysis. *Computer Graphics Forum*, 30(2): xxiii, April 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Pejsa:2010:SAE

[PP10] T. Pejsa and I. S. Pandzic. State of the art in example-based motion synthesis for virtual characters in interactive applications. *Computer Graphics Forum*, 29(1):202–226, March 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Panozzo:2011:IHQ

[PP11] Daniele Panozzo and Enrico Puppo. Implicit hierarchical quad-dominant meshes. *Computer Graphics Forum*, 30(6):1617–

1629, September 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Piringer:2012:VAS

[PPBT12] H. Piringer, S. Pajer, W. Berger, and H. Teichmann. Visual analysis in science and engineering: Comparative visual analysis of 2D function ensembles. *Computer Graphics Forum*, 31 (3pt3):1195–1204, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Pobitzer:2011:SAT

[PPF+11] Armin Pobitzer, Ronald Peikert, Raphael Fuchs, Benjamin Schindler, Alexander Kuhn, Holger Theisel, Krešimir Matković, and Helwig Hauser. The state of the art in topology-based visualization of unsteady flow. *Computer Graphics Forum*, 30(6): 1789–1811, September 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Paris:2019:DS

[PPG+19] A. Paris, A. Peytavie, E. Guérin, O. Argudo, and E. Galin. Desertscape simulation. *Computer Graphics Forum*, 38(7):47–55, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Petz:2012:UPL

[PPH12] Christoph Petz, Kai Pöthkow, and Hans-Christian Hege. Uncertainty: Probabilistic local features in uncertain vector fields with spatial correlation. *Computer Graphics Forum*, 31(3pt2): 1045–1054, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Petronetto:2013:MFD

[PPH+13] F. Petronetto, A. Paiva, E. S. Helou, D. E. Stewart, and L. G. Nonato. Mesh-free discrete Laplace–Beltrami operator. *Computer Graphics Forum*, 32(6):214–226, September 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Paille:2013:FAF

[PPL13] Gilles-Philippe Paillé, Pierre Poulin, and Bruno Lévy. Fitting and approximation: Fitting polynomial volumes to surface meshes with Voronoï squared distance minimization. *Computer*

Graphics Forum, 32(5):103–112, August 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Pietroni:2016:GTF

[PPM+16] Nico Pietroni, Enrico Puppo, Giorgio Marcias, Roberto Roberto, and Paolo Cignoni. Geometry: Tracing field-coherent quad layouts. *Computer Graphics Forum*, 35(7):485–496, October 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Peethambaran:2019:ILV

[PPT+19] J. Peethambaran, A. D. Parakkat, A. Tagliasacchi, R. Wang, and R. Muthuganapathy. Incremental labelling of Voronoi vertices for shape reconstruction. *Computer Graphics Forum*, 38 (1):521–536, February 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Panotopoulou:2018:WWP

[PPW18] A. Panotopoulou, S. Paris, and E. Whiting. Watercolor woodblock printing with image analysis. *Computer Graphics Forum*, 37(2):275–286, May 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Pintus:2016:SGA

[PPY+16] Ruggero Pintus, Kazim Pal, Ying Yang, Tim Weyrich, Enrico Gobbetti, and Holly Rushmeier. A survey of geometric analysis in cultural heritage. *Computer Graphics Forum*, 35(1):4–31, February 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Pereira:2012:MSG

[PR12] Thiago Pereira and Szymon Rusinkiewicz. Material synthesis: Gamut mapping spatially varying reflectance with an improved BRDF similarity metric. *Computer Graphics Forum*, 31(4): 1557–1566, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Paman:2019:VAR

[PR19] Ashish Paman and Ramsharan Rangarajan. A variational approach to registration with local exponential coordinates. *Computer Graphics Forum*, 38(1):482–506, February 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Popov:2015:LPP

[PRDD15] Stefan Popov, Ravi Ramamoorthi, Fredo Durand, and George Drettakis. Light paths: Probabilistic connections for bidirectional path tracing. *Computer Graphics Forum*, 34(4):75–86, July 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Payan:2015:SRT

[PRS15] F. Payan, C. Roudet, and B. Sauvage. Semi-regular triangle remeshing: a comprehensive study. *Computer Graphics Forum*, 34(1):86–102, February 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Pfaffelmoser:2011:VVV

[PRW11] Tobias Pfaffelmoser, Matthias Reitinger, and Rüdiger Westermann. Volume visualization: Visualizing the positional and geometrical variability of isosurfaces in uncertain scalar fields. *Computer Graphics Forum*, 30(3):951–960, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Pratikakis:2010:REW

[PS10] Ioannis Pratikakis and Michela Spagnuolo. Reports: Eurographics 2009 Workshop on 3D Object Retrieval (EG 3DOR'09) in Cooperation with ACM SIGGRAPH Munich, Germany March 29, 2009. *Computer Graphics Forum*, 29(1):247–248, March 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Pina:2010:BTD

[PSC10] J. L. Pina, F. Seron, and E. Cerezo. BqR-Tree: a data structure for flights and walkthroughs in urban scenes with mobile elements. *Computer Graphics Forum*, 29(6):1745–1755, September 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Palma:2018:EVD

[PSCC18] Gianpaolo Palma, Manuele Sabbadin, Massimiliano Corsini, and Paolo Cignoni. Enhanced visualization of detected 3D geometric differences. *Computer Graphics Forum*, 37(1):159–171, February 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Park:2010:SVM

[PSCN10] Jinho Park, Yeongho Seol, Frederic Cordier, and Junyong Noh. A smoke visualization model for capturing surface-like features. *Computer Graphics Forum*, 29(8):2352–2362, December 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Popa:2010:RGC

[PSDB+10] T. Popa, I. South-Dickinson, D. Bradley, A. Sheffer, and W. Heidrich. Reconstruction I: Globally consistent space–time reconstruction. *Computer Graphics Forum*, 29(5):1633–1642, July 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Perazzi:2015:IVP

[PSHZ+15] F. Perazzi, A. Sorkine-Hornung, H. Zimmer, P. Kaufmann, O. Wang, S. Watson, and M. Gross. Image and video processing: Panoramic video from unstructured camera arrays. *Computer Graphics Forum*, 34(2):57–68, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Poulenard:2018:TFO

[PSO18] Adrien Poulenard, Primoz Skraba, and Maks Ovsjanikov. Topological function optimization for continuous shape matching. *Computer Graphics Forum*, 37(5):13–25, August 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Pegoraro:2010:SRC

[PSP10] Vincent Pegoraro, Mathias Schott, and Steven G. Parker. Scattering and refraction: a closed-form solution to single scattering for general phase functions and light distributions. *Computer Graphics Forum*, 29(4):1365–1374, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Pal:2014:IIC

[PSP+14] Kazim Pal, Christian Schüller, Daniele Panozzo, Olga Sorkine-Hornung, and Tim Weyrich. Images III: Content-aware surface parameterization for interactive restoration of historical documents. *Computer Graphics Forum*, 33(2):401–409, May 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Paiva:2012:MDM

[PSPM12] Jose Gustavo S. Paiva, William Robson Schwartz, Helio Pedrini, and Rosane Minghim. Multi-dimensional and multivariate data: Semi-supervised dimensionality reduction based on partial least squares for visual analysis of high dimensional data. *Computer Graphics Forum*, 31(3pt4):1345–1354, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Pobitzer:2011:FVE

[PTA+11] A. Pobitzer, M. Tutkun, Ø. Andreassen, R. Fuchs, R. Peikert, and H. Hauser. Flow visualization: Energy-scale aware feature extraction for flow visualization. *Computer Graphics Forum*, 30 (3):771–780, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Patney:2010:CGS

[PTO10] Anjul Patney, Stanley Tzeng, and John D. Owens. Computer graphics systems: Fragment-parallel composite and filter. *Computer Graphics Forum*, 29(4):1251–1258, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Pietroni:2015:SMS

[PTP+15] Nico Pietroni, Davide Tonelli, Enrico Puppo, Maurizio Froli, Roberto Scopigno, and Paolo Cignoni. Splines & meshes: Statics aware grid shells. *Computer Graphics Forum*, 34(2):627–641, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Paulovich:2012:TDS

[PTT+12] Fernando V. Paulovich, Franklina M. B. Toledo, Guilherme P. Telles, Rosane Minghim, and Luis Gustavo Nonato. Text and documents: Semantic wordification of document collections. *Computer Graphics Forum*, 31(3pt3):1145–1153, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Pal:2013:RIE

[PTW13] Kazim Pal, Melissa Terras, and Tim Weyrich. Reality: Interactive exploration and flattening of deformed historical documents. *Computer Graphics Forum*, 32(2pt3):327–334, May

2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Perin:2018:SAS

[PVS+18] C. Perin, R. Vuillemot, C. D. Stolper, J. T. Stasko, J. Wood, and S. Carpendale. State of the art of sports data visualization. *Computer Graphics Forum*, 37(3):663–686, June 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Pfaffelmoser:2012:UVG

[PW12] Tobias Pfaffelmoser and Rüdiger Westermann. Uncertainty: Visualization of global correlation structures in uncertain 2D scalar fields. *Computer Graphics Forum*, 31(3pt2):1025–1034, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Peng:2013:MOA

[PW13] Chi-Han Peng and Peter Wonka. Mesh optimization and applications: Connectivity editing for quad-dominant meshes. *Computer Graphics Forum*, 32(5):43–52, August 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Peethambaran:2017:EUF

[PW17] Jiju Peethambaran and Ruisheng Wang. Enhancing urban façades via LiDAR-based sculpting. *Computer Graphics Forum*, 36(8):511–528, December 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Pothkow:2011:VVP

[PWH11] Kai Pöthkow, Britta Weber, and Hans-Christian Hege. Volume visualization: Probabilistic marching cubes. *Computer Graphics Forum*, 30(3):931–940, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Panozzo:2012:IVR

[PWS12] Daniele Panozzo, Ofir Weber, and Olga Sorkine. Image & video retargeting: Robust image retargeting via axis-aligned deformation. *Computer Graphics Forum*, 31(2pt1):229–236, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Parvinzamir:2019:MPV

[PZDD19] F. Parvinzamir, Y. Zhao, Z. Deng, and F. Dong. MyEvents: a personal visual analytics approach for mining key events and knowledge discovery in support of personal reminiscence. *Computer Graphics Forum*, 38(1):647–662, February 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Qin:2018:LBO

[QCW+18] Hongxing Qin, Yi Chen, Yunhai Wang, Xiaoyang Hong, Kangkang Yin, and Hui Huang. Laplace–Beltrami operator on point clouds based on anisotropic Voronoi diagram. *Computer Graphics Forum*, 37(6):106–117, September 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Quinan:2019:EID

[QPCRM19] P. S. Quinan, L. M. Padilla, S. H. Creem-Regehr, and M. Meyer. Examining implicit discretization in spectral schemes. *Computer Graphics Forum*, 38(3):363–374, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Qiu:2019:TPH

[QWZ+19] H. Qiu, C. Wang, H. Zhu, X. Zhu, J. Gu, and X. Han. Two-phase hair image synthesis by self-enhancing generative model. *Computer Graphics Forum*, 38(7):403–412, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Qin:2017:MFM

[QYZ17] Yipeng Qin, Hongchuan Yu, and Jianjun Zhang. Meshing: Fast and memory-efficient Voronoi diagram construction on triangle meshes. *Computer Graphics Forum*, 36(5):93–104, August 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Roberts:2019:MVD

[RAmB+19] J. C. Roberts, H. Al-maneea, P. W. S. Butcher, R. Lew, G. Rees, N. Sharma, and A. Frankenberg-Garcia. Multiple views: different meanings and collocated words. *Computer Graphics Forum*, 38(3):79–93, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Rodriguez:2015:THA

[RAMG15] M. Balsa Rodriguez, M. Agus, F. Marton, and E. Gobbetti. Text & humanities: Adaptive recommendations for enhanced non-linear exploration of annotated 3D objects. *Computer Graphics Forum*, 34(3):41–50, June 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Rebain:2019:LLS

[RAV+19] Daniel Rebain, Baptiste Angles, Julien Valentin, Nicholas Vining, Jiju Peethambaran, Shahram Izadi, and Andrea Tagliasacchi. LSMAT least squares medial axis transform. *Computer Graphics Forum*, 38(6):5–18, September 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Rensink:2010:EPC

[RB10] Ronald A. Rensink and Gideon Baldridge. Evaluation: The perception of correlation in scatterplots. *Computer Graphics Forum*, 29(3):1203–1210, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Rodola:2014:SSR

[RBC14] E. Rodolà, S. Rota Bulò, and D. Cremers. Segmentation and structure: Robust region detection via consensus segmentation of deformable shapes. *Computer Graphics Forum*, 33(5):97–106, August 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Rodriguez:2018:ERI

[RBDD18] Simon Rodriguez, Adrien Bousseau, Fredo Durand, and George Drettakis. Exploiting repetitions for image-based rendering of facades. *Computer Graphics Forum*, 37(4):119–131, July 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ribardiere:2017:SSD

[RBMS17] M. Ribardière, B. Bringier, D. Meneveaux, and L. Simonot. STD: Student's t-distribution of slopes for microfacet based BSDFs. *Computer Graphics Forum*, 36(2):421–429, May 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Rostami:2019:SDD

[RBRY19] R. Rostami, F. S. Bashiri, B. Rostami, and Z. Yu. A survey on data-driven 3D shape descriptors. *Computer Graphics Forum*, 38(1):356–393, February 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Racz:2018:CWB

[RC18] Gergely Ferenc Rácz and Balázs Csébfalvi. Cosine-weighted B-spline interpolation on the face-centered cubic lattice. *Computer Graphics Forum*, 37(3):503–511, June 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Reed:2019:UGF

[RC19] K. Reed and D. Cosker. User-guided facial animation through an evolutionary interface. *Computer Graphics Forum*, 38(6): 165–176, September 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ribardiere:2011:ARI

[RCB11] Mickaël Ribardière, Samuel Carré, and Kadi Bouatouch. Adaptive records for irradiance caching. *Computer Graphics Forum*, 30(6):1603–1616, September 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ren:2017:GMU

[RCB+17a] Z. Ren, P. Charalambous, J. Bruneau, Q. Peng, and J. Pettré. Group modeling: a unified velocity-based approach. *Computer Graphics Forum*, 36(8):45–56, December 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Rodola:2017:PFC

[RCB+17b] E. Rodolà, L. Cosmo, M. M. Bronstein, A. Torsello, and D. Cremers. Partial functional correspondence. *Computer Graphics Forum*, 36(1):222–236, January 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Reiner:2014:CPD

[RCM+14] Tim Reiner, Nathan Carr, Radomír Měch, Ondřej Št'ava, Carsten Dachsbacher, and Gavin Miller. Cutting and printing: Dual-color mixing for fused deposition modeling printers. *Computer Graphics Forum*, 33(2):479–486, May 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Raidou:2018:BRV

[RCMA+18] R. G. Raidou, O. Casares-Magaz, A. Amirkhanov, V. Moiseenko, L. P. Muren, J. P. Einck, A. Vilanova, and M. E. Gröller. Bladder Runner: Visual analytics for the exploration of RT-induced bladder toxicity in a cohort study. *Computer Graphics Forum*, 37(3):205–216, June 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Raidou:2016:PFV

[RCMM+16] R. G. Raidou, O. Casares-Magaz, L. P. Muren, U. A. van der Heide, J. Rørvik, M. Breeuwer, and A. Vilanova. Prediction and forecasting: Visual analysis of tumor control models for prediction of radiotherapy response. *Computer Graphics Forum*, 35 (3):231–240, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Rushmeier:2012:E

[RD12] Holly Rushmeier and Oliver Deussen. Editorial. *Computer Graphics Forum*, 31(1):1–2, February 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Rushmeier:2013:E

[RD13] Holly Rushmeier and Oliver Deussen. Editorial. *Computer Graphics Forum*, 32(1):1–2, February 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Rushmeier:2014:Ea

[RD14a] Holly Rushmeier and Oliver Deussen. Editorial. *Computer Graphics Forum*, 33(1):1, February 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Rushmeier:2014:Eb

[RD14b] Holly Rushmeier and Oliver Deussen. Editorial. *Computer Graphics Forum*, 33(1):1, February 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ritschel:2012:SAI

[RDGK12] Tobias Ritschel, Carsten Dachsbacher, Thorsten Grosch, and Jan Kautz. The state of the art in interactive global illumination. *Computer Graphics Forum*, 31(1):160–188, February 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Rosman:2013:PCS

[RDK13] G. Rosman, A. Dubrovina, and R. Kimmel. Patch-collaborative spectral point-cloud denoising. *Computer Graphics Forum*, 32 (8):1–12, December 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ritschel:2012:PGC

[RE12] Tobias Ritschel and Elmar Eisemann. Perceptual graphics: a computational model of afterimages. *Computer Graphics Forum*, 31(2pt3):529–534, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ritschel:2011:MIS

[REH+11] Tobias Ritschel, Elmar Eisemann, Inwoo Ha, James D. K. Kim, and Hans-Peter Seidel. Making imperfect shadow maps view-adaptive: High-quality global illumination in large dynamic scenes. *Computer Graphics Forum*, 30(8):2258–2269, December 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Renka:2016:TSM

[Ren16] Robert J. Renka. Two simple methods for improving a triangle mesh surface. *Computer Graphics Forum*, 35(6):46–58, September 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Rumman:2015:PBS

[RF15] Nadine Abu Rumman and Marco Fratarcangeli. Position-based skinning for soft articulated characters. *Computer Graphics Forum*, 34(6):240–250, September 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Roesch:2019:VNN

[RG19] Isabelle Roesch and Tobias Günther. Visualization of neural network predictions for weather forecasting. *Computer Graphics Forum*, 38(1):209–220, February 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Raymond:2014:ROB

[RGB+14] Boris Raymond, Gaël Guennebaud, Pascal Barla, Romain Pacanowski, and Xavier Granier. Rendering: Optimizing

BRDF orientations for the manipulation of anisotropic highlights. *Computer Graphics Forum*, 33(2):313–321, May 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Rodriguez:2014:SAC

[RGG+14] M. Balsa Rodríguez, E. Gobbetti, J. A. Iglesias Guitián, M. Makhinya, F. Marton, R. Pajarola, and S. K. Suter. State-of-the-art in compressed GPU-Based direct volume rendering. *Computer Graphics Forum*, 33(6):77–100, September 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Reich:2015:PSI

[RGG15] Andreas Reich, Tobias Günther, and Thorsten Grosch. Perception and simplification: Illumination-driven mesh reduction for accelerating light transport simulations. *Computer Graphics Forum*, 34(4):165–174, July 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Rojo:2018:VPS

[RGG18] Irene Baeza Rojo, Markus Gross, and Tobias Günther. Visualizing the phase space of heterogeneous inertial particles in 2D flows. *Computer Graphics Forum*, 37(3):289–300, June 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Radiano:2018:SAC

[RGM+18] O. Radiano, Y. Graber, M. Mahler, L. Sigal, and A. Shamir. Story albums: Creating fictional stories from personal photograph sets. *Computer Graphics Forum*, 37(1):19–31, February 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Reif:2010:EAR

[RGSK10] R. Reif, W. A. Günthner, B. Schwerdtfeger, and G. Klinker. Evaluation of an augmented reality supported picking system under practical conditions. *Computer Graphics Forum*, 29(1): 2–12, March 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Rossing:2012:PMR

[RHL12] Christoph Rößing, Johannes Hanika, and Hendrik Lensch. Photo manipulation: Real-time disparity map-based pictorial depth cue enhancement. *Computer Graphics Forum*, 31(2pt1): 275–284, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ren:2018:CDC

[RHLH18] Bo Ren, Jiahui Huang, Ming C. Lin, and Shi-Min Hu. Controllable dendritic crystal simulation using orientation field. *Computer Graphics Forum*, 37(2):485–495, May 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Rohrdantz:2012:GVW

[RHM+12] Christian Rohrdantz, Michael Hund, Thomas Mayer, Bernhard Wälchli, and Daniel A. Keim. Geospatial visualization: The World's languages explorer: Visual analysis of language features in genealogical and areal contexts. *Computer Graphics Forum*, 31(3pt1):935–944, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ranieri:2012:VVR

[RHS+12] Nicola Ranieri, Simon Heinzle, Quinn Smithwick, Daniel Reetz, Lanny S. Smoot, Wojciech Matusik, and Markus Gross. Visualization and volume rendering: Multi-layered automultiscopic displays. *Computer Graphics Forum*, 31(7pt2):2135–2143, September 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Roberts:2017:RRF

[RI17] D. A. T. Roberts and I. Ivrissimtzis. Reevaluating reconstruction filters for path-searching tasks in 3D. *Computer Graphics Forum*, 36(6):291–302, September 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Rainer:2019:NBC

[RJGW19] Gilles Rainer, Wenzel Jakob, Abhijeet Ghosh, and Tim Weyrich. Neural BTF compression and interpolation. *Computer Graphics Forum*, 38(2):235–244, May 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ritchie:2018:EBA

[RJT18] Daniel Ritchie, Sarah Jobalia, and Anna Thomas. Example-based authoring of procedural modeling programs with structural and continuous variability. *Computer Graphics Forum*, 37 (2):401–413, May 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Rump:2010:SCS

[RK10] Martin Rump and Reinhard Klein. Sparse computing: Spectralization: Reconstructing spectra from sparse data. *Computer Graphics Forum*, 29(4):1347–1354, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Rachavarapu:2018:WEV

[RKGS18] Kranthi Kumar Rachavarapu, Moneish Kumar, Vineet Gandhi, and Ramanathan Subramanian. Watch to edit: Video retargeting using gaze. *Computer Graphics Forum*, 37(2):205–215, May 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Rungjiratananon:2010:CSM

[RKN10] W. Rungjiratananon, Y. Kanamori, and T. Nishita. Chain shape matching for simulating complex hairstyles. *Computer Graphics Forum*, 29(8):2438–2446, December 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Rungjiratananon:2012:IHW

[RKN12] W. Rungjiratananon, Y. Kanamori, and T. Nishita. Imaging and hair: Wetting effects in hair simulation. *Computer Graphics Forum*, 31(7pt1):1993–2002, September 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Reinert:2016:ERP

[RKR+16] Bernhard Reinert, Johannes Kopf, Tobias Ritschel, Eduardo Cuervo, David Chu, and Hans-Peter Seidel. Efficient rendering: Proxy-guided image-based rendering for mobile devices. *Computer Graphics Forum*, 35(7):353–362, October 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Reiner:2012:LRS

[RKRD12] Tim Reiner, Anton Kaplanyan, Marcel Reinhard, and Carsten Dachsbacher. Lighting and rendering: Selective inspection and interactive visualization of light transport in virtual scenes. *Computer Graphics Forum*, 31(2pt3):711–718, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Richter:2017:CMV

[RKSA17] Ronald Richter, Jan Eric Kyprianidis, Boris Springborn, and Marc Alexa. Constrained modelling of 3-valent meshes using a hyperbolic deformation metric. *Computer Graphics Forum*, 36(6):62–75, September 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Rieck:2014:SAM

[RL14] B. Rieck and H. Leitte. Structural analysis of multivariate point clouds using simplicial chains. *Computer Graphics Forum*, 33 (8):28–37, December 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Rieck:2015:TST

[RL15] B. Rieck and H. Leitte. Time-series and topology: Persistent homology for the evaluation of dimensionality reduction schemes. *Computer Graphics Forum*, 34(3):431–440, June 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Rieck:2016:SCP

[RL16] B. Rieck and H. Leitte. Structures, clusters, and patterns: Exploring and comparing clusterings of multivariate data sets using persistent homology. *Computer Graphics Forum*, 35(3):81–90, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Rees:2019:SIV

[RL19] D. Rees and R. S. Laramee. A survey of information visualization books. *Computer Graphics Forum*, 38(1):610–646, February 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Rodola:2019:FMR

[RLB+19] E. Rodolà, Z. Lähner, A. M. Bronstein, M. M. Bronstein, and J. Solomon. Functional maps representation on product manifolds. *Computer Graphics Forum*, 38(1):678–689, February

2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ritchie:2015:SCG

[RLGH15] Daniel Ritchie, Sharon Lin, Noah D. Goodman, and Pat Hanrahan. Shape collections: Generating design suggestions under tight constraints with gradient-based probabilistic programming. *Computer Graphics Forum*, 34(2):515–526, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ren:2017:SAT

[RLH17a] Donghao Ren, Bongshin Lee, and Tobias Höllerer. Stardust: Accessible and transparent GPU support for information visualization rendering. *Computer Graphics Forum*, 36(3):179–188, June 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ren:2017:REI

[RLH+17b] Xiaohua Ren, Luan Lyu, Xiaowei He, Yanci Zhang, and Enhua Wu. Representing and editing images: Efficient gradient-domain compositing using an approximate curl-free wavelet projection. *Computer Graphics Forum*, 36(7):207–215, October 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ren:2018:BWS

[RLH+18] Xiaohua Ren, Luan Lyu, Xiaowei He, Wei Cao, Zhixin Yang, Bin Sheng, Yanci Zhang, and Enhua Wu. Biorthogonal wavelet surface reconstruction using partial integrations. *Computer Graphics Forum*, 37(7):13–24, October 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Richardt:2014:ISV

[RLMB+14] C. Richardt, J. Lopez-Moreno, A. Bousseau, M. Agrawala, and G. Drettakis. Illustration and stylization: Vectorising bitmaps into semi-transparent gradient layers. *Computer Graphics Forum*, 33(4):11–19, July 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Riche:2010:EUI

[RLP10] Nathalie Henry Riche, Bongshin Lee, and Catherine Plaisant. Evaluation: Understanding interactive legends: a comparative evaluation with standard widgets. *Computer Graphics Forum*, 29(3):1193–1202, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ruiz:2014:CPM

[RLYL14] Conrado R. Ruiz, Jr., Sang N. Le, Jinze Yu, and Kok-Lim Low. Cutting and printing: Multi-style paper pop-up designs from 3D models. *Computer Graphics Forum*, 33(2):487–496, May 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Rodola:2017:RPM

[RMC17] E. Rodolà, M. Moeller, and D. Cremers. Regularized pointwise map recovery from functional correspondence. *Computer Graphics Forum*, 36(8):700–711, December 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Rufiange:2012:THV

[RMF12] Sébastien Rufiange, Michael J. McGuffin, and Christopher P. Fuhrman. TreeMatrix: a hybrid visualization of compound graphs. *Computer Graphics Forum*, 31(1):89–101, February 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Rodrigues:2018:PBM

[RMG18] Rui S. V. Rodrigues, José F. M. Morgado, and Abel J. P. Gomes. Part-based mesh segmentation: a survey. *Computer Graphics Forum*, 37(6):235–274, September 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Rocha:2018:IMV

[RMH+18] A. Rocha, R. C. R. Mota, H. Hamdi, U. R. Alim, and M. Costa Sousa. Illustrative multivariate visualization for geological modelling. *Computer Graphics Forum*, 37(3):465–477, June 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Renoust:2015:GDV

[RMM15] B. Renoust, G. Melançon, and T. Munzner. Graphs: Detangler: Visual analytics for multiplex networks. *Computer Graphics Forum*, 34(3):321–330, June 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Rousselle:2013:RSR

[RMZ13] Fabrice Rousselle, Marco Manzi, and Matthias Zwicker. Rendering (session 1): Robust denoising using feature and color information. *Computer Graphics Forum*, 32(7):121–130, October 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ray:2010:IS

[RNLL10] Nicolas Ray, Vincent Nivoliers, Sylvain Lefebvre, and Bruno Lévy. Invisible seams. *Computer Graphics Forum*, 29(4):1489–1496, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Roveri:2017:GPS

[RÖG17] Riccardo Roveri, A. Cengiz Öztireli, and Markus Gross. General point sampling with adaptive density and correlations. *Computer Graphics Forum*, 36(2):107–117, May 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Roveri:2015:DSS

[RÖM+15] Riccardo Roveri, A. Cengiz Öztireli, Sebastian Martin, Barbara Solenthaler, and Markus Gross. Descriptors and shape synthesis: Example based repetitive structure synthesis. *Computer Graphics Forum*, 34(5):39–52, August 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Roveri:2018:PCP

[RÖPG18] Riccardo Roveri, A. Cengiz Öztireli, Ioana Pandele, and Markus Gross. PointProNets: Consolidation of point clouds with convolutional neural networks. *Computer Graphics Forum*, 37(2):87–99, May 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Rosen:2013:PVA

[Ros13] Paul Rosen. Performance: a visual approach to investigating shared and global memory behavior of CUDA kernels. *Computer Graphics Forum*, 32(3pt2):161–170, June 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ruhland:2015:REG

[RPA+15] K. Ruhland, C. E. Peters, S. Andrist, J. B. Badler, N. I. Badler, M. Gleicher, B. Mutlu, and R. McDonnell. A review of eye gaze in virtual agents, social robotics and HCI: Behaviour generation, user interaction and perception. *Computer Graphics Forum*, 34(6):299–326, September 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Riviere:2016:MSR

[RPG16] J. Riviere, P. Peers, and A. Ghosh. Mobile surface reflectometry. *Computer Graphics Forum*, 35(1):191–202, February 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Reh:2012:VAS

[RPK+12] A. Reh, B. Plank, J. Kastner, E. Gröller, and C. Heinzl. Visual analysis in science and engineering: Porosity maps — interactive exploration and visual analysis of porosity in carbon fiber reinforced polymers. *Computer Graphics Forum*, 31(3pt3): 1185–1194, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Rieder:2011:MDV

[RPLH11] Christian Rieder, Stephan Palmer, Florian Link, and Horst K. Hahn. Medical data visualization: a shader framework for rapid prototyping of GPU-based volume rendering. *Computer Graphics Forum*, 30(3):1031–1040, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Rosenthal:2013:AVI

[RPMO13] P. Rosenthal, L. Pfeiffer, N. H. Müller, and P. Ohler. Applications: VisRuption: Intuitive and efficient visualization of temporal airline disruption data. *Computer Graphics Forum*, 32 (3pt1):81–90, June 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ruiz:2017:MBC

[RPPD17] A. L. Cruz Ruiz, C. Pontonnier, N. Pronost, and G. Dumont. Muscle-based control for character animation. *Computer Graphics Forum*, 36(6):122–147, September 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Riehmann:2015:THV

[RPSF15] P. Riehmann, M. Potthast, B. Stein, and B. Froehlich. Text & humanities: Visual assessment of alleged plagiarism cases.

Computer Graphics Forum, 34(3):61–70, June 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ren:2019:SRF

[RPWO19] Jing Ren, Mikhail Panine, Peter Wonka, and Maks Ovsjanikov. Structured regularization of functional map computations. *Computer Graphics Forum*, 38(5):39–53, August 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Razafindrazaka:2015:QPP

[RRP15] Faniry H. Razafindrazaka, Ulrich Reitebuch, and Konrad Polthier. Quads and polygons: Perfect matching quad layouts for manifold meshes. *Computer Graphics Forum*, 34(5): 219–228, August 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Reinert:2012:VVR

[RRS12] Bernhard Reinert, Tobias Ritschel, and Hans-Peter Seidel. Visualization and volume rendering: Homunculus warping: Conveying importance using self-intersection-free nonhomogeneous mesh deformation. *Computer Graphics Forum*, 31 (7pt2):2165–2171, September 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Reinert:2016:PBN

[RRSG16] Bernhard Reinert, Tobias Ritschel, Hans-Peter Seidel, and Iliyan Georgiev. Projective blue-noise sampling. *Computer Graphics Forum*, 35(1):285–295, February 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ruckert:2019:ESS

[RS19] D. Rückert and M. Stamminger. An efficient solution to structured optimization problems using recursive matrices. *Computer Graphics Forum*, 38(8):33–39, November 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Richardt:2012:IVR

[RSD+12] Christian Richardt, Carsten Stoll, Neil A. Dodgson, Hans-Peter Seidel, and Christian Theobalt. Image & video retargeting: Coherent spatiotemporal filtering, upsampling and rendering of RGBZ videos. *Computer Graphics Forum*, 31(2pt1):247–256, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ruiters:2010:TGP

[RSK10] Roland Ruiters, Ruwen Schnabel, and Reinhard Klein. Texture generation: Patch-based texture interpolation. *Computer Graphics Forum*, 29(4):1421–1429, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ruiters:2012:LFR

[RSK12] Roland Ruiters, Christopher Schwartz, and Reinhard Klein. Light fields and reflectance: Data driven surface reflectance from sparse and irregular samples. *Computer Graphics Forum*, 31(2pt1):315–324, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ruiters:2013:SEB

[RSK13] Roland Ruiters, Christopher Schwartz, and Reinhard Klein. Synthesis: Example-based interpolation and synthesis of bidirectional texture functions. *Computer Graphics Forum*, 32(2pt3):361–370, May 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Rados:2016:CVI

[RSM+16] S. Radoš, R. Splechtna, K. Matković, M. Đuras, E. Gröller, and H. Hauser. Coordinated views and interaction design: Towards quantitative visual analytics with structured brushing and linked statistics. *Computer Graphics Forum*, 35(3):251–260, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Rubio-Sanchez:2017:ARA

[RSSL17] M. Rubio-Sánchez, A. Sanchez, and D. J. Lehmann. Adaptable radial axes plots for improved multivariate data visualization. *Computer Graphics Forum*, 36(3):389–399, June 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Reda:2011:GNV

[RTJ+11] Khairi Reda, Chayant Tantipathananandh, Andrew Johnson, Jason Leigh, and Tanya Berger-Wolf. Graphs & networks: Visualizing the evolution of community structures in dynamic social networks. *Computer Graphics Forum*, 30(3):1061–1070, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Rhodin:2014:AIM

[RTK+14] Helge Rhodin, James Tompkin, Kwang In Kim, Kiran Varanasi, Hans-Peter Seidel, and Christian Theobalt. Animation II (motion data processing): Interactive motion mapping for real-time character control. *Computer Graphics Forum*, 33(2):273–282, May 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Rustamov:2010:DGB

[Rus10] Raif M. Rustamov. Differential geometry: Barycentric coordinates on surfaces. *Computer Graphics Forum*, 29(5):1507–1516, July 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Rustamov:2011:SMB

[Rus11] Raif M. Rustamov. Section 6: Multiscale biharmonic kernels. *Computer Graphics Forum*, 30(5):1521–1531, August 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Raidou:2015:BVV

[RvdHD+15] R. G. Raidou, U. A. van der Heide, C. V. Dinh, G. Ghobadi, J. F. Kallehauge, M. Breeuwer, and A. Vilanova. Biomedical visualization: Visual analytics for the exploration of tumor tissue characterization. *Computer Graphics Forum*, 34(3):11–20, June 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Raj:2018:VMD

[RW18] M. Raj and R. T. Whitaker. Visualizing multidimensional data with order statistics. *Computer Graphics Forum*, 37(3):277–287, June 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Rieder:2010:MVV

[RWS+10] Christian Rieder, Andreas Weihusen, Christian Schumann, Stephan Zidowitz, and Heinz-Otto Peitgen. Medical visualization: Visual support for interactive post-interventional assessment of radiofrequency ablation therapy. *Computer Graphics*

Forum, 29(3):1093–1102, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ruegg:2013:IDS

[RWSG13] Jan Rüegg, Oliver Wang, Aljoscha Smolic, and Markus Gross. Images: DuctTake: Spatiotemporal video compositing. *Computer Graphics Forum*, 32(2pt1):51–61, May 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Reichl:2016:MEI

[RWW16] F. Reichl, J. Weiss, and R. Westermann. Memory-efficient interactive online reconstruction from depth image streams. *Computer Graphics Forum*, 35(8):108–119, December 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Remil:2017:AGD

[RXX+17] O. Remil, Q. Xie, X. Xie, K. Xu, and J. Wang. Analyzing geometries: Data-driven sparse priors of 3D shapes. *Computer Graphics Forum*, 36(7):63–72, October 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ren:2010:MSH

[RZS10] Cheng Ren, Liming Zhao, and Alla Safonova. Motion synthesis: Human motion synthesis with optimization-based graphs. *Computer Graphics Forum*, 29(2):545–554, May 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sedlmair:2015:EDD

[SA15] M. Sedlmair and M. Aupetit. Evaluation and design: Data-driven evaluation of visual quality measures. *Computer Graphics Forum*, 34(3):201–210, June 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Simonetto:2011:GNI

[SAAB11] Paolo Simonetto, Daniel Archambault, David Auber, and Romain Bourqui. Graphs & networks: ImPrEd: an improved force-directed algorithm that prevents nodes from crossing edges. *Computer Graphics Forum*, 30(3):1071–1080, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Shurkhovetskyy:2018:DAV

[SAAF18] G. Shurkhovetskyy, N. Andrienko, G. Andrienko, and G. Fuchs. Data abstraction for visualizing large time series. *Computer Graphics Forum*, 37(1):125–144, February 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Shi:2016:SSO

[SAD+16] Zeyun Shi, Pierre Alliez, Mathieu Desbrun, Hujun Bao, and Jin Huang. Structures: Symmetry and orbit detection via Lie-algebra voting. *Computer Graphics Forum*, 35(5):217–227, August 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Shtof:2013:SGS

[SAG+13] A. Shtof, A. Agathos, Y. Gingold, A. Shamir, and D. Cohen-Or. Sketching: Geosemantic snapping for sketch-based modeling. *Computer Graphics Forum*, 32(2pt2):245–253, May 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sarikaya:2014:MVV

[SAMG14] A. Sarikaya, D. Albers, J. Mitchell, and M. Gleicher. Molecular visualization: Visualizing validation of protein surface classifiers. *Computer Graphics Forum*, 33(3):171–180, June 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sacha:2017:DVA

[SAMS+17] D. Sacha, F. Al-Masoudi, M. Stein, T. Schreck, D. A. Keim, G. Andrienko, and H. Janetzko. Dynamic visual abstraction of soccer movement. *Computer Graphics Forum*, 36(3):305–315, June 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sitthi-Amorn:2010:ESM

[SARZL10] Pitchaya Sitthi-Amorn, Fabiano Romeiro, Todd Zickler, and Jason Lawrence. Editing of shadows and materials: Interactive editing of lighting and materials using a bivariate BRDF representation. *Computer Graphics Forum*, 29(4):1461–1468, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Silva:2011:UVP

[SASF11] Cláudio T. Silva, Erik Anderson, Emanuele Santos, and Juliana Freire. Using VisTrails and provenance for teaching scientific visualization. *Computer Graphics Forum*, 30(1):75–84, March 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Shier:2013:ARF

[SB13] John Shier and Paul Bourke. An algorithm for random fractal filling of space. *Computer Graphics Forum*, 32(8):89–97, December 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Stoppel:2019:LFL

[SB19] S. Stoppel and S. Bruckner. LinesLab: A flexible low-cost approach for the generation of physical monochrome art. *Computer Graphics Forum*, 38(6):110–124, September 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Schedl:2014:ICE

[SBB14] D. C. Schedl, C. Birklbauer, and O. Bimber. Images I: Coded exposure HDR light-field video recording. *Computer Graphics Forum*, 33(2):33–42, May 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Shapira:2014:MCC

[SBC14] Nitzan Shapira and Mirela Ben-Chen. Maps: Cross-collection map inference by intrinsic alignment of shape spaces. *Computer Graphics Forum*, 33(5):281–290, August 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Segall:2016:MIC

[SBC16] Aviv Segall and Mirela Ben-Chen. Mappings: Iterative closest conformal maps between planar domains. *Computer Graphics Forum*, 35(5):33–40, August 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Song:2017:SRP

[SBC+17] Jaewon Song, Roger Blanco i Ribera, Kyungmin Cho, Mi You, J. P. Lewis, Byungkuk Choi, and Junyong Noh. Sparse rig parameter optimization for character animation. *Computer*

Graphics Forum, 36(2):85–94, May 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Solomon:2011:MPS

[SBCBG11a] Justin Solomon, Mirela Ben-Chen, Adrian Butscher, and Leonidas Guibas. Mesh processing and surface reconstruction: Discovery of intrinsic primitives on triangle meshes. *Computer Graphics Forum*, 30(2):365–374, April 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Solomon:2011:SKP

[SBCBG11b] Justin Solomon, Mirela Ben-Chen, Adrian Butscher, and Leonidas Guibas. Section 6: As-killing-as-possible vector fields for planar deformation. *Computer Graphics Forum*, 30(5): 1543–1552, August 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Scholz:2015:RTI

[SBD15a] Manuel Scholz, Jan Bender, and Carsten Dachsbacher. Real-time isosurface extraction with view-dependent level of detail and applications. *Computer Graphics Forum*, 34(1):103–115, February 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Spritzer:2015:EGT

[SBD+15b] Andre Suslik Spritzer, Jeremy Boy, Pierre Dragicevic, Jean-Daniel Fekete, and Carla Maria Dal Sasso Freitas. Evaluation of graphs: Towards a smooth design process for static communicative node-link diagrams. *Computer Graphics Forum*, 34 (3):461–470, June 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Scandolo:2016:ERM

[SBE16a] Leonardo Scandolo, Pablo Bauszat, and Elmar Eisemann. Efficient rendering: Merged multiresolution hierarchies for shadow map compression. *Computer Graphics Forum*, 35(7):383–390, October 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Scandolo:2016:SCM

[SBE16b] Leonardo Scandolo, Pablo Bauszat, and Elmar Eisemann. Shadows: Compressed multiresolution hierarchies for high-quality precomputed shadows. *Computer Graphics Forum*, 35

(2):331–340, May 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Salamon:2019:SST

[SBE19a] Nestor Z. Salamon, Markus Billeter, and Elmar Eisemann. ShutterApp: Spatio-temporal exposure control for videos. *Computer Graphics Forum*, 38(7):675–683, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Scandolo:2019:GGL

[SBE19b] Leonardo Scandolo, Pablo Bauszat, and Elmar Eisemann. Gradient-guided local disparity editing. *Computer Graphics Forum*, 38(1):394–404, February 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Schollmeyer:2015:ROI

[SBF15] Andre Schollmeyer, Andrey Babanin, and Bernd Froehlich. Rendering: Order-independent transparency for programmable deferred shading pipelines. *Computer Graphics Forum*, 34(7): 67–76, October 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Schertler:2017:CRC

[SBG17] Nico Schertler, Manfred Buchroithner, and Stefan Gumhold. Chamber recognition in cave data sets. *Computer Graphics Forum*, 36(2):375–386, May 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Szymczak:2012:FVN

[SBL12] Andrzej Szymczak and Nicholas Brunhart-Lupo. Flow visualization: Nearly recurrent components in 3D piecewise constant vector fields. *Computer Graphics Forum*, 31(3pt3):1115–1124, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sher:2017:ESR

[SBLC17] Varshita Sher, Karen G. Bemis, Ilaria Liccardi, and Min Chen. An empirical study on the reliability of perceiving correlation indices using scatterplots. *Computer Graphics Forum*, 36(3): 61–72, June 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Stava:2010:SMM

[ŠBM+10] O. Št'ava, B. Beneš, R. Měch, D. G. Aliaga, and P. Krištof. Shape matching and modeling: Inverse procedural modeling by automatic generation of L-systems. *Computer Graphics Forum*, 29(2):665–674, May 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Steiger:2014:GVV

[SBM+14] Martin Steiger, Jürgen Bernard, Sebastian Mittelstädt, Hendrik Lücke-Tieke, Daniel Keim, Thorsten May, and Jörn Kohlhammer. Graph visualization: Visual analysis of time-series similarities for anomaly detection in sensor networks. *Computer Graphics Forum*, 33(3):401–410, June 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sanchez-Banderas:2018:SRD

[SBO18] Rosa M. Sánchez-Banderas and Miguel A. Otaduy. Strain rate dissipation for elastic deformations. *Computer Graphics Forum*, 37(8):161–170, December 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Solteszova:2017:OSF

[SBS+17] Veronika Solteszova, Åsmund Birkeland, Sergej Stoppel, Ivan Viola, and Stefan Bruckner. Output-sensitive filtering of streaming volume data. *Computer Graphics Forum*, 36(1): 249–262, January 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Seo:2010:CTM

[SC10] H. Seo and F. Cordier. Constrained texture mapping using image warping. *Computer Graphics Forum*, 29(1):160–174, March 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Seo:2016:MIS

[SC16] H. Seo and F. Cordier. Matching and interpolation: Spatial matching of animated meshes. *Computer Graphics Forum*, 35 (7):21–32, October 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sheng:2011:PPG

[SCCN11] Yu Sheng, Barbara Cutler, Chao Chen, and Joshua Nasman. Perception: Perceptual global illumination cancellation in complex projection environments. *Computer Graphics Forum*, 30 (4):1261–1268, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sarikaya:2016:BDV

[SCD+16] A. Sarikaya, M. Correli, J. M. Dinis, D. H. O'Connor, and M. Gleicher. Biological data visualization: Visualizing co-occurrence of events in populations of viral genome sequences. *Computer Graphics Forum*, 35(3):151–160, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sun:2010:MFG

[SCF10] Jian Sun, Xiaobai Chen, and Thomas A. Funkhouser. Matching: Fuzzy geodesics and consistent sparse correspondences for: Deformable shapes. *Computer Graphics Forum*, 29(5):1535–1544, July 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Schultz:2011:TBV

[Sch11] T. Schultz. Topology-based visualization: Topological features in 2D symmetric higher-order tensor fields. *Computer Graphics Forum*, 30(3):841–850, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Schmidt:2013:SSP

[Sch13] R. Schmidt. Sketching: Stroke parameterization. *Computer Graphics Forum*, 32(2pt2):255–263, May 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sellan:2019:SGP

[SCM+19] Silvia Sellán, Herng Yi Cheng, Yuming Ma, Mitchell Dembowski, and Alec Jacobson. Solid geometry processing on deconstructed domains. *Computer Graphics Forum*, 38(1):564–579, February 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sandim:2016:FSB

[SCN+16] Marcos Sandim, Douglas Cedrim, Luis Gustavo Nonato, Paulo Pagliosa, and Afonso Paiva. Fluid simulation: Boundary detection in particle-based fluids. *Computer Graphics Forum*, 35 (2):215–224, May 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Scopigno:2017:DFT

[SCP+17] R. Scopigno, P. Cignoni, N. Pietroni, M. Callieri, and M. Dellepiane. Digital fabrication techniques for cultural heritage: A survey. *Computer Graphics Forum*, 36(1):6–21, January 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sun:2019:RRG

[SCQ+19] Y. Sun, H. Chen, J. Qin, H. Li, M. Wei, and H. Zong. Reliable rolling-guided point normal filtering for surface texture removal. *Computer Graphics Forum*, 38(7):721–732, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Serra:2018:EGF

[SCR+18] J. Serra, O. Cetinaslan, S. Ravikumar, V. Orvalho, and D. Cosker. Easy generation of facial animation using motion graphs. *Computer Graphics Forum*, 37(1):97–111, February 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Schlomer:2010:TGS

[SD10a] Thomas Schlömer and Oliver Deussen. Texture generation: Semi-stochastic tilings for example-based texture synthesis. *Computer Graphics Forum*, 29(4):1431–1439, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sen:2010:SCC

[SD10b] Pradeep Sen and Soheil Darabi. Sparse computing: Compressive estimation for signal integration in rendering. *Computer Graphics Forum*, 29(4):1355–1363, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Santos:2018:DAC

[SDA+18] B. Sousa Santos, J.-M. Dischler, V. Adzhiev, E. F. Anderson, A. Ferko, O. Fryazinov, M. Ilčík, I. Ilčíková, P. Slavik, V. Sundstedt, L. Svobodova, M. Wimmer, and J. Zara. Distinctive approaches to computer graphics education. *Computer Graphics Forum*, 37(1):403–412, February 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Stuyck:2017:RTO

[SDHD17] Tuur Stuyck, Fang Da, Sunil Hadap, and Philip Dutré. Real-time oil painting on mobile hardware. *Computer Graphics Forum*, 36(8):69–79, December 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Steinert:2011:GSC

[SDHL11] B. Steinert, H. Dammertz, J. Hanika, and H. P. A. Lensch. General spectral camera lens simulation. *Computer Graphics Forum*, 30(6):1643–1654, September 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sheng:2015:IVE

[SDK+15] Kekai Sheng, Weiming Dong, Yan Kong, Xing Mei, Jilin Li, Chengjie Wang, Feiyue Huang, and Bao-Gang Hu. Image and video: Evaluating the quality of face alignment without ground truth. *Computer Graphics Forum*, 34(7):213–223, October 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sung:2018:LFS

[SDKG18] Minhyuk Sung, Anastasia Dubrovina, Vladimir G. Kim, and Leonidas Guibas. Learning fuzzy set representations of partial shapes on dual embedding spaces. *Computer Graphics Forum*, 37(5):71–81, August 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Selgrad:2015:FML

[SDMS15] K. Selgrad, C. Dachsbacher, Q. Meyer, and M. Stamminger. Filtering multi-layer shadow maps for accurate soft shadows. *Computer Graphics Forum*, 34(1):205–215, February 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Shinya:2016:ERM

[SDS+16] Mikio Shinya, Yoshinori Dobashi, Michio Shiraishi, Motonobu Kawashima, and Tomoyuki Nishita. Efficient rendering: Multiple scattering approximation in heterogeneous media by narrow beam distributions. *Computer Graphics Forum*, 35(7):373–382, October 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Saket:2019:IMV

[SE19] Bahador Saket and Alex Endert. Investigating the manual view specification and visualization by demonstration paradigms for visualization construction. *Computer Graphics Forum*, 38(3): 663–674, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Schulze:2014:FVS

[SEG+14] M. Schulze, J. Martinez Esturo, T. Günther, C. Rössl, H.-P. Seidel, T. Weinkauf, and H. Theisel. Flow visualization: Sets of globally optimal stream surfaces for flow visualization. *Computer Graphics Forum*, 33(3):1–10, June 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Svetachov:2010:FLD

[SEI10] Pjotr Svetachov, Maarten H. Everts, and Tobias Isenberg. Fiber & lines: DTI in context: Illustrating brain fiber tracts in situ. *Computer Graphics Forum*, 29(3):1023–1032, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sanchez:2015:CFC

[SFFP15] Mathieu Sanchez, Oleg Fryazinov, Pierre-Alain Fayolle, and Alexander Pasko. Convolution filtering of continuous signed distance fields for polygonal meshes. *Computer Graphics Forum*, 34(6):277–288, September 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Shen:2016:GHF

[SFL+16] Zhongwei Shen, Xianzhong Fang, Xinguo Liu, Hujun Bao, and Jin Huang. Geometry: Harmonic functions for rotational symmetry vector fields. *Computer Graphics Forum*, 35(7):507–516, October 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Su:2019:PFF

[SFL19] Jian-Ping Su, Xiao-Ming Fu, and Ligang Liu. Practical foldover-free volumetric mapping construction. *Computer*

Graphics Forum, 38(7):287–297, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Summa:2018:FLW

[SFLP18] B. Summa, N. Faraj, C. Licorish, and V. Pascucci. Flexible live-wire: Image segmentation with floating anchors. *Computer Graphics Forum*, 37(2):321–328, May 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Shen:2013:SES

[SFY13] Li Shen, Jieqing Feng, and Baoguang Yang. Shadows: Exponential soft shadow mapping. *Computer Graphics Forum*, 32 (4):107–116, July 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Scopigno:2010:E

[SG10] Roberto Scopigno and Eduard Gröller. Editorial. *Computer Graphics Forum*, 29(1):iii–iv, March 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Solomon:2013:SCM

[SGB13] Justin Solomon, Leonidas Guibas, and Adrian Butscher. Shape collections and maps: Dirichlet energy for analysis and synthesis of soft maps. *Computer Graphics Forum*, 32(5):197–206, August 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Schmaltz:2010:EH

[SGBW10] Christian Schmaltz, Pascal Gwosdek, Andrés Bruhn, and Joachim Weickert. Electrostatic halftoning. *Computer Graphics Forum*, 29(8):2313–2327, December 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Stengel:2016:FRA

[SGEM16] Michael Stengel, Steve Grogorick, Martin Eisemann, and Marcus Magnor. Faster rendering: Adaptive image-space sampling for gaze-contingent real-time rendering. *Computer Graphics Forum*, 35(4):129–139, July 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Staib:2015:VRV

[SGG15] Joachim Staib, Sebastian Grottel, and Stefan Gumhold. Volume rendering: Visualization of particle-based data with transparency and ambient occlusion. *Computer Graphics Forum*, 34 (3):151–160, June 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Staib:2016:HDD

[SGG16] J. Staib, S. Grottel, and S. Gumhold. High-dimensional data: Enhancing scatterplots with multi-dimensional focal blur. *Computer Graphics Forum*, 35(3):11–20, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Schott:2011:VVD

[SGM+11] Mathias Schott, A. V. Pascal Grosset, Tobias Martin, Vincent Pegoraro, Sean T. Smith, and Charles D. Hansen. Volume visualization: Depth of field effects for interactive direct volume rendering. *Computer Graphics Forum*, 30(3):941–950, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Serrano:2017:CSC

[SGMG17] Ana Serrano, Elena Garces, Belen Masia, and Diego Gutierrez. Convolutional sparse coding for capturing high-speed video content. *Computer Graphics Forum*, 36(8):380–389, December 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Schulze:2012:VPS

[SGRT12] Maik Schulze, Tobias Germer, Christian Rössl, and Holger Theisel. Visualization and perception: Stream surface parametrization by flow-orthogonal front lines. *Computer Graphics Forum*, 31(5):1725–1734, August 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sipiran:2014:SCA

[SGS14] Ivan Sipiran, Robert Gregor, and Tobias Schreck. Shapes and cryptography: Approximate symmetry detection in partial 3D meshes. *Computer Graphics Forum*, 33(7):131–140, October 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sarikaya:2018:DFS

[SGS18] A. Sarikaya, M. Gleicher, and D. A. Szafir. Design factors for summary visualization in visual analytics. *Computer Graphics*

Forum, 37(3):145–156, June 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Summa:2015:CTP

[SGSP15] B. Summa, A. A. Gooch, G. Scorzelli, and V. Pascucci. Colors and textures: Paint and click: Unified interactions for image boundaries. *Computer Graphics Forum*, 34(2):385–393, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Schmaltz:2012:MCA

[SGW12] C. Schmaltz, P. Gwosdek, and J. Weickert. Multi-class anisotropic electrostatic halftoning. *Computer Graphics Forum*, 31(6):1924–1935, September 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Shen:2011:IGP

[SGYF11] Li Shen, Gaël Guennebaud, Baoguang Yang, and Jieqing Feng. Intelligent graphics: Predicted virtual soft shadow maps with high quality filtering. *Computer Graphics Forum*, 30(2):493–502, April 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Satyanarayan:2014:DSA

[SH14a] Arvind Satyanarayan and Jeffrey Heer. Design study: Authoring narrative visualizations with ellipsis. *Computer Graphics Forum*, 33(3):361–370, June 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Satyanarayan:2014:DSL

[SH14b] Arvind Satyanarayan and Jeffrey Heer. Design study: Lyra: an interactive visualization design environment. *Computer Graphics Forum*, 33(3):351–360, June 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Shen:2015:SVG

[SHCB15] Zhongwei Shen, Jin Huang, Wei Chen, and Hujun Bao. Simulation and visualization: Geometrically exact simulation of inextensible ribbon. *Computer Graphics Forum*, 34(7):145–154, October 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Simon:2015:GIR

[SHD15] Florian Simon, Johannes Hanika, and Carsten Dachsbacher. Global illumination: Rich-VPLs for improving the versatility of many-light methods. *Computer Graphics Forum*, 34(2):575–584, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Schrade:2016:LTS

[SHD16] Emanuel Schrade, Johannes Hanika, and Carsten Dachsbacher. Looking through surfaces: Sparse high-degree polynomials for wide-angle lenses. *Computer Graphics Forum*, 35(4):89–97, July 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sheehy:2012:CGN

[She12] Donald R. Sheehy. Computational geometry: New bounds on the size of optimal meshes. *Computer Graphics Forum*, 31(5):1627–1635, August 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Schneider:2013:DCB

[SHF13] T. Schneider, K. Hormann, and M. S. Floater. Deformations and coordinates: Bijective composite mean value mappings. *Computer Graphics Forum*, 32(5):137–146, August 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Serrano:2016:HIC

[SHG+16] Ana Serrano, Felix Heide, Diego Gutierrez, Gordon Wetzstein, and Belen Masia. HDR imaging: Convolutional sparse coding for high dynamic range imaging. *Computer Graphics Forum*, 35(2):153–163, May 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Shen:2016:IEP

[SHJ+16] Xiaoyong Shen, Aaron Hertzmann, Jiaya Jia, Sylvain Paris, Brian Price, Eli Shechtman, and Ian Sachs. Image editing & processing: Automatic portrait segmentation for image stylization. *Computer Graphics Forum*, 35(2):93–102, May 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Skau:2015:EDE

[SHK15] Drew Skau, Lane Harrison, and Robert Kosara. Evaluation and design: an evaluation of the impact of visual embellishments in bar charts. *Computer Graphics Forum*, 34(3):221–230, June 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sharf:2014:MTI

[SHL+14] Andrei Sharf, Hui Huang, Cheng Liang, Jiapei Zhang, Baoquan Chen, and Minglun Gong. Mobility-trees for indoor scenes manipulation. *Computer Graphics Forum*, 33(1):2–14, February 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Simons:2019:AVA

[SHP+19] G. Simons, S. Herholz, V. Petitjean, T. Rapp, M. Ament, H. Lensch, C. Dachsbacher, M. Eisemann, and E. Eisemann. Applying visual analytics to physically based rendering. *Computer Graphics Forum*, 38(1):197–208, February 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Shah:2018:DLB

[SHQL18] C. Shah, D. Hyde, H. Qu, and P. Levis. Distributing and load balancing sparse fluid simulations. *Computer Graphics Forum*, 37(8):35–46, December 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sofer:2013:ASI

[SHS13] Yerry Sofer, Tal Hassner, and Andrei Sharf. Animation (session 1): Interactive learning for point-cloud motion segmentation. *Computer Graphics Forum*, 32(7):51–60, October 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sung:2017:VVE

[SHS+17] Ching-Ying Sung, Xun-Yi Huang, Yicong Shen, Fu-Yin Cherng, Wen-Chieh Lin, and Hao-Chuan Wang. Video and visualization: Exploring online learners' interactive dynamics by visually analyzing their time-anchored comments. *Computer Graphics Forum*, 36(7):145–155, October 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sbert:2016:RRV

[SHSK16] M. Sbert, V. Havran, and L. Szirmay-Kalos. Realistic rendering: Variance analysis of multi-sample and one-sample multiple importance sampling. *Computer Graphics Forum*, 35(7): 451–460, October 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Shen:2018:DDC

[SHW+18] Yijun Shen, Joseph Henry, He Wang, Edmond S. L. Ho, Taku Komura, and Hubert P. H. Shum. Data-driven crowd motion control with multi-touch gestures. *Computer Graphics Forum*, 37(6):382–394, September 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Simon:2017:MCA

[SHZD17] Florian Simon, Johannes Hanika, Tobias Zirr, and Carsten Dachsbacher. Monte Carlo after coffee: Line integration for rendering heterogeneous emissive volumes. *Computer Graphics Forum*, 36(4):101–110, July 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Selino:2013:LSE

[SJ13a] A. Selino and M. D. Jones. Large and small eddies matter: Animating trees in wind using coarse fluid simulation and synthetic turbulence. *Computer Graphics Forum*, 32(1):75–84, February 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Spencer:2013:IPP

[SJ13b] B. Spencer and M. W. Jones. Illumination: Photon parameterisation for robust relaxation constraints. *Computer Graphics Forum*, 32(2pt1):83–92, May 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Spencer:2013:RCI

[SJ13c] Ben Spencer and Mark W. Jones. Reports: 2013 cover image: Prism. *Computer Graphics Forum*, 32(1):216–217, February 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Salesin:2019:CPL

[SJ19] Katherine Salesin and Wojciech Jarosz. Combining point and line samples for direct illumination. *Computer Graphics Forum*, 38(4):159–169, July 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Stoffel:2017:IAR

[SJB+17] Florian Stoffel, Wolfgang Jentner, Michael Behrisch, Johannes Fuchs, and Daniel Keim. Interactive ambiguity resolution of named entities in fictional literature. *Computer Graphics Forum*, 36(3):189–200, June 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sun:2011:AMR

[SJF11] Chuan Sun, Imran Junejo, and Hassan Foroosh. Animation: Motion retrieval using low-rank subspace decomposition of motion volume. *Computer Graphics Forum*, 30(7):1953–1962, September 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Spencer:2015:VTU

[SJL15] B. Spencer, M. W. Jones, and I. S. Lim. A visualization tool used to develop new photon mapping techniques. *Computer Graphics Forum*, 34(1):127–140, February 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sacht:2013:MCV

[SJP+13] Leonardo Sacht, Alec Jacobson, Daniele Panozzo, Christian Schüller, and Olga Sorkine-Hornung. Meshing: Consistent volumetric discretizations inside self-intersecting surfaces. *Computer Graphics Forum*, 32(5):147–156, August 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sykora:2019:SFE

[SJT+19] D. Sýkora, O. Jamriška, O. Texler, J. Fišer, M. Lukáč, J. Lu, and E. Shechtman. StyleBlit: Fast example-based stylization with local guidance. *Computer Graphics Forum*, 38(2):83–91, May 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sunkel:2011:SAL

[SJW+11] M. Sunkel, S. Jansen, M. Wand, E. Eisemann, and H.-P. Seidel. Shape analysis: Learning line features in 3D geometry. *Computer Graphics Forum*, 30(2):267–276, April 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sunkel:2013:SCC

[SJWS13] M. Sunkel, S. Jansen, M. Wand, and H.-P. Seidel. Shape construction: a correlated parts model for object detection in large 3D scans. *Computer Graphics Forum*, 32(2pt2):205–214, May 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Schultz:2010:VTM

[SK10] T. Schultz and G. Kindlmann. Vectors & tensors: a maximum enhancing higher-order tensor glyph. *Computer Graphics Forum*, 29(3):1143–1152, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Seltzer:2016:CGG

[SK16a] Nicholas Seltzer and Gordon Kindlmann. Charts and glyphs: Glyphs for asymmetric second-order 2D tensors. *Computer Graphics Forum*, 35(3):141–150, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Skau:2016:CGA

[SK16b] Drew Skau and Robert Kosara. Charts and glyphs: Arcs, angles, or areas: Individual data encodings in pie and donut charts. *Computer Graphics Forum*, 35(3):121–130, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sibbing:2017:BLD

[SK17] Dominik Sibbing and Leif Kobbelt. Building a large database of facial movements for deformation model-based 3D face tracking. *Computer Graphics Forum*, 36(8):285–301, December 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Szirmay-Kalos:2017:ULT

[SKGM+17] László Szirmay-Kalos, Iliyan Georgiev, Milán Magdics, Balázs Molnár, and Dávid Légrády. Unbiased light transport estimators for inhomogeneous participating media. *Computer Graphics Forum*, 36(2):9–19, May 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Shiny:2010:FSH

[SKK10] Seung-Ho Shiny, Hyeong Ryeol Kamz, and Chang-Hun Kimx. Fluids and smoke: Hybrid simulation of miscible mixing with viscous fingering. *Computer Graphics Forum*, 29(2):675–683, May 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Steinberger:2014:PMP

[SKK+14a] Markus Steinberger, Michael Kenzel, Bernhard Kainz, Jörg Müller, Wonka Peter, and Dieter Schmalstieg. Procedural Modeling I: Parallel generation of architecture on the GPU. *Computer Graphics Forum*, 33(2):73–82, May 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Steinberger:2014:PMF

[SKK+14b] Markus Steinberger, Michael Kenzel, Bernhard Kainz, Peter Wonka, and Dieter Schmalstieg. Procedural Modeling I: On-the-fly generation and rendering of infinite cities on the GPU. *Computer Graphics Forum*, 33(2):105–114, May 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Szirmay-Kalos:2018:MSI

[SKMS18] László Szirmay-Kalos, Milán Magdics, and Mateu Sbert. Multiple scattering in inhomogeneous participating media using Rao–Blackwellization and control variates. *Computer Graphics Forum*, 37(2):63–74, May 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Schafer:2015:LPD

[SKNS15] H. Schäfer, B. Keinert, M. Nießner, and M. Stamminger. Local painting and deformation of meshes on the GPU. *Computer Graphics Forum*, 34(1):26–35, February 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Schuller:2013:DCL

[SKPSH13] Christian Schüller, Ladislav Kavan, Daniele Panozzo, and Olga Sorkine-Hornung. Deformations and coordinates: Locally injective mappings. *Computer Graphics Forum*, 32(5):125–135,

August 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Scharnowski:2014:MVC

[SKR+14] K. Scharnowski, M. Krone, G. Reina, T. Kulschewski, J. Pleiss, and T. Ertl. Molecular visualization: Comparative visualization of molecular surfaces using deformable models. *Computer Graphics Forum*, 33(3):191–200, June 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sons:2014:RSJ

[SKSS14] Kristian Sons, Felix Klein, Jan Sutter, and Philipp Slusallek. Rendering: shade.js: Adaptive material descriptions. *Computer Graphics Forum*, 33(7):51–60, October 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Szirmay-Kalos:2011:FPS

[SKTM11] László Szirmay-Kalos, Balázs Tóth, and Milán Magdics. Free path sampling in high resolution inhomogeneous participating media. *Computer Graphics Forum*, 30(1):85–97, March 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Son:2013:IPS

[SKWL13] Minjung Son, Byungmoon Kim, Gregg Wilensky, and Seungyong Lee. Image processing (session 5): Still-frame simulation for fire effects of images. *Computer Graphics Forum*, 32(7): 295–304, October 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Schroder:2011:RAV

[SKZ11] K. Schroder, R. Klein, and A. Zinke. Realistic appearance and volumes: a volumetric approach to predictive rendering of fabrics. *Computer Graphics Forum*, 30(4):1277–1286, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Schroder:2013:NLI

[SKZ13] K. Schröder, R. Klein, and A. Zinke. Non-local image reconstruction for efficient computation of synthetic bidirectional texture functions. *Computer Graphics Forum*, 32(8):61–71, December 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Schroeder:2011:AAE

[SKZF11] Craig Schroeder, Nipun Kwatra, Wen Zheng, and Ron Fedkiw. Animation: Asynchronous evolution for fully-implicit and semi-implicit time integration. *Computer Graphics Forum*, 30(7): 1983–1992, September 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sivaks:2011:NMT

[SL11] Eliyahu Sivaks and Dani Lischinski. On neighbourhood matching for texture-by-numbers. *Computer Graphics Forum*, 30(1): 127–138, March 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Salinas:2015:SAM

[SLA15] D. Salinas, F. Lafarge, and P. Alliez. Structure-aware mesh decimation. *Computer Graphics Forum*, 34(6):211–227, September 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Saalfeld:2018:GQE

[SLB+18] P. Saalfeld, M. Luz, P. Berg, B. Preim, and S. Saalfeld. Guidelines for quantitative evaluation of medical visualizations on the example of 3D aneurysm surface comparisons. *Computer Graphics Forum*, 37(1):226–238, February 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Su:2019:IPP

[SLC+19] Rung-De Su, Zhe-Yo Liao, Li-Chi Chen, Ai-Ling Tung, and Yu-Shuen Wang. Imitating popular photos to select views for an indoor scene. *Computer Graphics Forum*, 38(7):141–148, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Son:2019:NPI

[SLCL19] Hyeongseok Son, Gunhee Lee, Sunghyun Cho, and Seungyong Lee. Naturalness-preserving image tone enhancement using generative adversarial networks. *Computer Graphics Forum*, 38(7):277–285, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sendik:2019:WFM

[SLCO19] O. Sendik, D. Lischinski, and D. Cohen-Or. What's in a face? Metric learning for face characterization. *Computer Graphics Forum*, 38(2):405–416, May 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Simoes:2017:GDA

[SLD+17] Tiago Simões, Daniel Lopes, Sérgio Dias, Francisco Fernandes, João Pereira, Joaquim Jorge, Chandrajit Bajaj, and Abel Gomes. Geometric detection algorithms for cavities on protein surfaces in molecular graphics: a survey. *Computer Graphics Forum*, 36(8):643–683, December 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Salamon:2017:ADS

[SLE17] Nestor Z. Salamon, Marcel Lancelle, and Elmar Eisemann. Art, design, and sketching: Computational light painting using a virtual exposure. *Computer Graphics Forum*, 36(2):1–8, May 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Scandolo:2018:QBF

[SLE18] Leonardo Scandolo, Sungkil Lee, and Elmar Eisemann. Quad-based Fourier transform for efficient diffraction synthesis. *Computer Graphics Forum*, 37(4):167–176, July 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Soni:2018:PGP

[SLH+18] Utkarsh Soni, Yafeng Lu, Brett Hansen, Helen C. Purchase, Stephen Kobourov, and Ross Maciejewski. The perception of graph properties in graph layouts. *Computer Graphics Forum*, 37(3):169–181, June 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Shen:2012:GPS

[SLHC12] Liang-Tsen Shen, Sheng-Jie Luo, Chun-Kai Huang, and Bing-Yu Chen. Geometry processing: SD models: Super-deformed character models. *Computer Graphics Forum*, 31(7pt1):2067–2075, September 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Son:2014:IIA

[SLKL14] Minjung Son, Yunjin Lee, Henry Kang, and Seungyong Lee. Images III: Art-photographic detail enhancement. *Computer Graphics Forum*, 33(2):391–400, May 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Stitz:2016:SHE

[SLSG16] H. Stitz, S. Luger, M. Streit, and N. Gehlenborg. Story, history, and evolution: AVOCADO: Visualization of workflow-derived data provenance for reproducible biomedical research. *Computer Graphics Forum*, 35(3):481–490, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sevilla-Lara:2015:EVS

[SLWSS15] L. Sevilla-Lara, J. Wulff, K. Sunkavalli, and E. Shechtman. Exposure and video: Smooth loops from unconstrained video. *Computer Graphics Forum*, 34(4):99–107, July 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Su:2019:DCF

[SLZ+19] Kh Su, Cc Li, Ym Zhou, X Xu, and Xf Gu. Discrete Calabi flow: A unified conformal parameterization method. *Computer Graphics Forum*, 38(7):707–720, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sajadi:2010:HSM

[SM10] Behzad Sajadi and Aditi Majumder. Hardware: Scalable multi-view registration for multi-projector displays on vertically extruded surfaces. *Computer Graphics Forum*, 29(3):1063–1072, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sajadi:2011:HLS

[SM11] B. Sajadi and A. Majumder. Hierarchies and large-scale visualization: Automatic registration of multi-projector domes using a single uncalibrated camera. *Computer Graphics Forum*, 30 (3):1161–1170, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sakurai:2014:MNP

[SM14a] K. Sakurai and K. Miyata. Modelling of non-periodic aggregates having a pile structure. *Computer Graphics Forum*, 33

(1):190–198, February 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sidorov:2014:MLR

[SM14b] K. A. Sidorov and A. D. Marshall. Matching: Learnt real-time meshless simulation. *Computer Graphics Forum*, 33(5): 147–156, August 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Swoboda:2017:VQI

[SMB+17] N. Swoboda, J. Moosburner, S. Bruckner, J. Y. Yu, B. J. Dickson, and K. Bühler. Visualization and quantification for interactive analysis of neural connectivity in *Drosophila*. *Computer Graphics Forum*, 36(1):160–171, January 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sussmuth:2010:SRB

[SMG10] J. Süßmuth, Q. Meyer, and G. Greiner. Surface reconstruction based on hierarchical floating radial basis functions. *Computer Graphics Forum*, 29(6):1854–1864, September 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Saad:2010:MVP

[SMH10] Ahmed Saad, Torsten Möller, and Ghassan Hamarneh. Medical visualization: ProbExplorer: Uncertainty-guided exploration and editing of probabilistic medical image segmentation. *Computer Graphics Forum*, 29(3):1113–1122, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Singh:2017:MCB

[SMJ17] Gurprit Singh, Bailey Miller, and Wojciech Jarosz. Monte Carlo before coffee: Variance and convergence analysis of Monte Carlo line and segment sampling. *Computer Graphics Forum*, 36(4): 79–89, July 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Samii:2015:DDA

[SML15] A. Samii, R. Měch, and Z. Lin. Data-driven automatic cropping using semantic composition search. *Computer Graphics Forum*, 34(1):141–151, February 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sigovan:2013:PVL

[SMM13] Carmen Sigovan, Chris W. Muelder, and Kwan-Liu Ma. Performance: Visualizing large-scale parallel communication traces using a particle animation technique. *Computer Graphics Forum*, 32(3pt2):141–150, June 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Suter:2013:PTT

[SMP13] S. K. Suter, M. Makhynia, and R. Pajarola. Performance: TAMRESH – tensor approximation multiresolution hierarchy for interactive volume visualization. *Computer Graphics Forum*, 32(3pt2):151–160, June 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Steiner:2017:ISA

[SMS+17] B. Steiner, E. Mousavian, F. Mehdizadeh Saradj, M. Wimmer, and P. Musialski. Integrated structural–architectural design for interactive planning. *Computer Graphics Forum*, 36(8):80–94, December 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Soler:2018:CRP

[SMSH18] Carlota Soler, Tobias Martin, and Olga Sorkine-Hornung. Cosserat rods with projective dynamics. *Computer Graphics Forum*, 37(8):137–147, December 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Shao:2017:IRL

[SMSL17] L. Shao, A. Mahajan, T. Schreck, and D. J. Lehmann. Interactive regression lens for exploring scatter plots. *Computer Graphics Forum*, 36(3):157–166, June 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Scheepens:2015:TRV

[SMvdWvW15] Roeland Scheepens, Steffen Michels, Huub van de Wetering, and Jarke J. van Wijk. Traffic: Rationale visualization for safety and security. *Computer Graphics Forum*, 34(3):191–200, June 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Shivashankar:2012:TPC

[SN12] Nithin Shivashankar and Vijay Natarajan. Topology: Parallel computation of 3D Morse–Smale complexes. *Computer Graphics Forum*, 31(3pt1):965–974, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sainlot:2017:MRV

[SNA17] M. Sainlot, V. Nivoliers, and D. Attali. Meshing: Restricting Voronoi diagrams to meshes using corner validation. *Computer Graphics Forum*, 36(5):81–91, August 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Solomon:2012:CSM

[SNB+12] Justin Solomon, Andy Nguyen, Adrian Butscher, Mirela Ben-Chen, and Leonidas Guibas. Correspondence: Soft maps between surfaces. *Computer Graphics Forum*, 31(5):1617–1626, August 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Subr:2014:SEA

[SNJ+14] Kartic Subr, Derek Nowrouzezahrai, Wojciech Jarosz, Jan Kautz, and Kenny Mitchell. Sampling: Error analysis of estimators that use combinations of stochastic sampling strategies for direct illumination. *Computer Graphics Forum*, 33(4):93–102, July 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Scherzer:2012:GIP

[SNRS12] Daniel Scherzer, Chuong H. Nguyen, Tobias Ritschel, and Hans-Peter Seidel. Global illumination: Pre-convolved radiance caching. *Computer Graphics Forum*, 31(4):1391–1397, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Stefanoski:2010:SFE

[SO10] Nikolče Stefanoski and Jörn Ostermann. SPC: Fast and efficient scalable predictive coding of animated meshes. *Computer Graphics Forum*, 29(1):101–116, March 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Shapira:2012:ICP

[SO12] L. Shapira and B. Oicherman. Image and color processing: Black is green: Adaptive color transformation for reduced ink usage. *Computer Graphics Forum*, 31(2pt1):365–372, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Singh:2019:ASC

[SÖA+19] Gurprit Singh, Cengiz Öztireli, Abdalla G. M. Ahmed, David Coeurjolly, Kartic Subr, Oliver Deussen, Victor Ostromoukhov, Ravi Ramamoorthi, and Wojciech Jarosz. Analysis of sample correlations for Monte Carlo rendering. *Computer Graphics Forum*, 38(2):473–491, May 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Santesteban:2019:LBA

[SOC19] Igor Santesteban, Miguel A. Otaduy, and Dan Casas. Learning-based animation of clothing for virtual try-on. *Computer Graphics Forum*, 38(2):355–366, May 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Schwartzburg:2013:RFA

[SP13] Yuliy Schwartzburg and Mark Pauly. Reality: Fabrication-aware design with intersecting planar pieces. *Computer Graphics Forum*, 32(2pt3):317–326, May 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Schikora:2017:VAC

[SPB+17] Christoph M. Schikora, Markus Plack, Rainer Bornemann, Peter Haring Bolívar, and Andreas Kolb. Visual analysis of confocal Raman spectroscopy data using cascaded transfer function design. *Computer Graphics Forum*, 36(3):239–249, June 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sabbadin:2019:HDR

[SPB+19] Manuele Sabbadin, Gianpaolo Palma, Francesco Banterle, Tamy Boubekeur, and Paolo Cignoni. High dynamic range point clouds for real-time relighting. *Computer Graphics Forum*, 38(7):513–525, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Solteszova:2010:VRM

[ŠPBV10] Veronika Šoltészová, Daniel Patel, Stefan Bruckner, and Ivan Viola. Volume rendering: a multidirectional occlusion shading model for direct volume rendering. *Computer Graphics Forum*, 29(3):883–891, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Shahrian:2014:IIT

[SPCR14] E. Shahrian, B. Price, S. Cohen, and D. Rajan. Images III: Temporally coherent and spatially accurate video matting. *Computer Graphics Forum*, 33(2):381–390, May 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Simari:2014:SFS

[SPD14] Patricio Simari, Giulia Picciau, and Leila De Floriani. Surfaces: Fast and scalable mesh superfacets. *Computer Graphics Forum*, 33(7):181–190, October 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Shimizu:2019:ESL

[SPF+19] Evan Shimizu, Sylvain Paris, Matt Fisher, Ersin Yumer, and Kayvon Fatahalian. Exploratory stage lighting design using visual objectives. *Computer Graphics Forum*, 38(2):417–429, May 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Shin:2011:HLS

[SPH11] HyunJu Shin, GwangHyun Park, and JungHyun Han. Hierarchies and large-scale visualization: Tablorer — an interactive tree visualization system for tablet PCs. *Computer Graphics Forum*, 30(3):1131–1140, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sibbing:2010:IVI

[SPK10] Dominik Sibbing, Darko Pavić, and Leif Kobbelt. Image and video II: Image synthesis for branching structures. *Computer Graphics Forum*, 29(7):2135–2144, September 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Stava:2014:IPM

[SPK+14] O. Stava, S. Pirk, J. Kratt, B. Chen, R. Měch, O. Deussen, and B. Benes. Inverse procedural modelling of trees. *Compu-*

ter Graphics Forum, 33(6):118–131, September 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Schmidt:2016:SAA

[SPN+16] Thorsten-Walther Schmidt, Fabio Pellacini, Derek Nowrouzezahrai, Wojciech Jarosz, and Carsten Dachsbacher. State of the art in artistic editing of appearance, lighting and material. *Computer Graphics Forum*, 35(1):216–233, February 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Subr:2013:IAB

[SPSK13] Kartic Subr, Sylvain Paris, Cyril Soler, and Jan Kautz. Images: Accurate binary image selection from inaccurate user input. *Computer Graphics Forum*, 32(2pt1):41–50, May 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Stojakovic:2014:VCP

[SPT14] V. Stojaković, S. Popov, and B. Tepavčević. Visualization of the centre of projection geometrical locus in a single image. *Computer Graphics Forum*, 33(1):52–63, February 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Soares:2010:DHI

[SPV+10] L. P. Soares, F. Pires, R. Varela, R. Bastos, N. Carvalho, F. Gaspar, and M. S. Dias. Designing a highly immersive interactive environment: The virtual mine. *Computer Graphics Forum*, 29(6):1756–1769, September 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sinha:2014:MSK

[SR14] A. Sinha and K. Ramani. Multi-scale kernels using random walks. *Computer Graphics Forum*, 33(1):164–177, February 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Serpa:2019:FUT

[SR19] Ygor Rebouças Serpa and Maria Andréia Formico Rodrigues. Flexible use of temporal and spatial reasoning for fast and scalable CPU Broad-Phase collision detection using KD-trees.

Computer Graphics Forum, 38(1):260–273, February 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Shaheen:2016:SSA

[SRG16] Sara Shaheen, Alyn Rockwood, and Bernard Ghanem. SAR: Stroke authorship recognition. *Computer Graphics Forum*, 35 (6):73–86, September 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Stoiber:2019:NDN

[SRG+19] C. Stoiber, A. Rind, F. Grassinger, R. Gutounig, E. Goldgruber, M. Sedlmair, Š. Emrich, and W. Aigner. `netflower`: Dynamic network visualization for data journalists. *Computer Graphics Forum*, 38(3):699–711, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Scherbaum:2011:IGC

[SRH+11] Kristina Scherbaum, Tobias Ritschel, Matthias Hullin, Thorsten Thormählen, Volker Blanz, and Hans-Peter Seidel. Intelligent graphics: Computer-suggested facial makeup. *Computer Graphics Forum*, 30(2):485–492, April 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Schreck:2017:IPT

[SRH17] Camille Schreck, Damien Rohmer, and Stefanie Hahmann. Interactive paper tearing. *Computer Graphics Forum*, 36(2):95–106, May 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Schwartz:2013:RSL

[SRK13] Christopher Schwartz, Roland Ruiters, and Reinhard Klein. Rendering (session 2): Level-of-detail streaming and rendering using bidirectional sparse virtual texture functions. *Computer Graphics Forum*, 32(7):345–354, October 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Schlachter:2019:SAR

[SRM+19] M. Schlachter, R. G. Raidou, L. P. Muren, B. Preim, P. M. Putora, and K. Bühler. State-of-the-art report: Visual computing in radiation therapy planning. *Computer Graphics Forum*, 38(3):753–779, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Schneider:2010:VTT

[SRWS10] Dominic Schneider, Wieland Reich, Alexander Wiebel, and Gerik Scheuermann. Vectors & tensors: Topology aware stream surfaces. *Computer Graphics Forum*, 29(3):1153–1161, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Smith:2015:SMS

[SS15a] J. Smith and S. Schaefer. Splines & meshes: Selective degree elevation for multi-sided Bézier patches. *Computer Graphics Forum*, 34(2):609–615, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Soundararajan:2015:VAC

[SS15b] K. P. Soundararajan and T. Schultz. Volume analysis and classification: Learning probabilistic transfer functions: a comparative study of classifiers. *Computer Graphics Forum*, 34(3):111–120, June 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sadana:2016:CVI

[SS16] R. Sadana and J. Stasko. Coordinated views and interaction design: Designing multiple coordinated visualizations for tablets. *Computer Graphics Forum*, 35(3):261–270, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sin:2013:VNL

[SSB13] F. S. Sin, D. Schroeder, and J. Barbič. Vega: Non-linear FEM deformable object simulator. *Computer Graphics Forum*, 32(1):36–48, February 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Shen:2014:CIT

[SSB+14] Fangyang Shen, Kalyan Sunkavalli, Nicolas Bonneel, Szymon Rusinkiewicz, Hanspeter Pfister, and Xin Tong. Color and imaging: Time-lapse photometric stereo and applications. *Computer Graphics Forum*, 33(7):359–367, October 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Stoffel:2012:TDD

[SSDK12] A. Stoffel, H. Strobelt, O. Deussen, and D. A. Keim. Text and documents: Document thumbnails with variable text scaling. *Computer Graphics Forum*, 31(3pt3):1165–1173, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Silva:2014:WDT

[SSE+14] Luis F. Silva, Luiz F. Scheidegger, Tiago Etiene, João L. D. Comba, Luis G. Nonato, and Cláudio T. Silva. A weighted Delaunay triangulation framework for merging triangulations in a connectivity oblivious fashion. *Computer Graphics Forum*, 33(6):18–30, September 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Schertler:2017:TGO

[SSG17] Nico Schertler, Bogdan Savchynskyy, and Stefan Gumhold. Towards globally optimal normal orientations for large point clouds. *Computer Graphics Forum*, 36(1):197–208, January 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sun:2017:BIA

[SSGM17] Tiancheng Sun, Ana Serrano, Diego Gutierrez, and Belen Masia. BRDFs and illumination: Attribute-preserving gamut mapping of measured BRDFs. *Computer Graphics Forum*, 36 (4):47–54, July 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sykora:2010:NPR

[SSJ+10] D. Sýkora, D. Sedlacek, S. Jinchao, J. Dingliana, and S. Collins. Non-photorealistic rendering: Adding depth to cartoons using sparse depth (in)equalities. *Computer Graphics Forum*, 29 (2):615–623, May 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Saket:2016:NGC

[SSK16] Bahador Saket, Carlos Scheidegger, and Stephen Kobourov. Networks and graphs 1: Comparing node-link and node-link-group visualizations from an enjoyment perspective. *Computer Graphics Forum*, 35(3):41–50, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Saket:2015:EGM

[SSKB15] Bahador Saket, Carlos Scheidegger, Stephen G. Kobourov, and Katy Börner. Evaluation of graphs: Map-based visualizations increase recall accuracy of data. *Computer Graphics Forum*, 34 (3):441–450, June 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Silvennoinen:2014:OSU

[SSLL14] Ari Silvennoinen, Hannu Saransaari, Samuli Laine, and Jaakko Lehtinen. Occluder simplification using planar sections. *Computer Graphics Forum*, 33(1):235–245, February 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Silva:2012:EDP

[SSM12] Samuel Silva, Beatriz Sousa Santos, and Joaquim Madeira. Exploring different parameters to assess left ventricle global and regional functional analysis from coronary CT angiography. *Computer Graphics Forum*, 31(1):146–159, February 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Soler:2018:VPM

[SSN18] Cyril Soler, Kartic Subr, and Derek Nowrouzezahrai. A versatile parameterization for measured material manifolds. *Computer Graphics Forum*, 37(2):135–144, May 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Schmitz:2010:EQC

[SSO+10] L. Schmitz, L. F. Scheidegger, D. K. Osmari, C. A. Dietrich, and J. L. D. Comba. Efficient and quality contouring algorithms on the GPU. *Computer Graphics Forum*, 29(8):2569–2578, December 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Strobelt:2012:TDR

[SSS+12] H. Strobelt, M. Spicker, A. Stoffel, D. Keim, and O. Deussen. Text and documents: Rolled-out wordles: a heuristic method for overlap removal of 2D data representatives. *Computer Graphics Forum*, 31(3pt3):1135–1144, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Szafir:2016:TDD

[SSSG16] D. A. Szafir, D. Stuffer, Y. Sohail, and M. Gleicher. Text and document data: TextDNA: Visualizing word usage with configurable colorfields. *Computer Graphics Forum*, 35(3):421–430, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Schultz:2013:UHH

[SSSSW13] T. Schultz, L. Schlaffke, B. Schölkopf, and T. Schmidt-Wilcke. Uncertainty: HiFiVE: a Hilbert space embedding of fiber variability estimates for uncertainty modeling and visualization. *Computer Graphics Forum*, 32(3pt1):121–130, June 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Saikia:2014:TEB

[SSW14a] Himangshu Saikia, Hans-Peter Seidel, and Tino Weinkauf. Topology: Extended branch decomposition graphs: Structural comparison of scalar data. *Computer Graphics Forum*, 33(3): 41–50, June 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Schroers:2014:PCV

[SSW14b] C. Schroers, S. Setzer, and J. Weickert. Point clouds: a variational taxonomy for surface reconstruction from oriented points. *Computer Graphics Forum*, 33(5):195–204, August 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Simon:2018:HHL

[ST18] P. M. Simon and C. Turkay. Hunting high and low: Visualising shifting correlations in financial markets. *Computer Graphics Forum*, 37(3):479–490, June 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Smelik:2014:SPM

[STBB14] Ruben M. Smelik, Tim Tutenel, Rafael Bidarra, and Bedrich Benes. A survey on procedural modelling for virtual worlds. *Computer Graphics Forum*, 33(6):31–50, September 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Skouras:2012:VSC

[STBG12] Mélina Skouras, Bernhard Thomaszewski, Bernd Bickel, and Markus Gross. Visualization and simulation: Computational design of rubber balloons. *Computer Graphics Forum*, 31 (2pt4):835–844, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Song:2016:RBS

[STC+16] Dan Song, Ruofeng Tong, Jian Chang, Xiaosong Yang, Min Tang, and Jian Jun Zhang. Reconstruction: 3D body shapes estimation from dressed-human silhouettes. *Computer Graphics Forum*, 35(7):147–156, October 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Steinberg:2019:ASI

[Ste19] S. Steinberg. Analytic spectral integration of birefringence-induced iridescence. *Computer Graphics Forum*, 38(4):97–110, July 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Schumacher:2016:MDS

[STG16] Christian Schumacher, Bernhard Thomaszewski, and Markus Gross. Modeling and design: Stenciling: Designing structurally-sound surfaces with decorative patterns. *Computer Graphics Forum*, 35(5):101–110, August 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Semmo:2012:IVI

[STKD12] Amir Semmo, Matthias Trapp, Jan Eric Kyprianidis, and Jürgen Döllner. Illustrative visualization: Interactive visualization of generalized virtual 3D city models using level-of-abstraction transitions. *Computer Graphics Forum*, 31(3pt1): 885–894, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sedlmair:2012:MDM

[STMT12] M. Sedlmair, A. Tatu, T. Munzner, and M. Tory. Multi-dimensional and multi-variate data: a taxonomy of visual cluster separation factors. *Computer Graphics Forum*, 31(3pt4): 1335–1344, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Summa:2017:VUG

[STP17] B. Summa, J. Tierny, and V. Pascucci. Visualizing the uncertainty of graph-based 2D segmentation with min-path stability. *Computer Graphics Forum*, 36(3):133–143, June 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Shrinivasan:2010:MDS

[SV10] Yedendra B. Shrinivasan and Jarke. J. Van Wijk. Multivariate data: Supporting exploratory analysis with the select & Slice table. *Computer Graphics Forum*, 29(3):803–812, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Salvi:2014:SSI

[SV14] Péter Salvi and Tamás Várady. Surfaces: G^2 surface interpolation over general topology curve networks. *Computer Graphics Forum*, 33(7):151–160, October 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Shoham:2019:HFM

[SVBC19] Meged Shoham, Amir Vaxman, and Mirela Ben-Chen. Hierarchical functional maps between subdivision surfaces. *Computer Graphics Forum*, 38(5):55–73, August 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Slingsby:2016:GDV

[SvL16] A. Slingsby and E. van Loon. Geospatial data visualization: Exploratory visual analysis for animal movement ecology. *Computer Graphics Forum*, 35(3):471–480, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Salvi:2010:SOI

[SVLL10] Marco Salvi, Kiril Vidimče, Andrew Lauritzen, and Aaron Lefohn. Shadows and order independent transparency: Adaptive volumetric shadow maps. *Computer Graphics Forum*, 29(4):1289–1296, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Schrijvers:2013:IAV

[SvW13] Okke Schrijvers and Jarke J. van Wijk. Interactive analysis: Visual explanation of the complexity in Julia sets. *Compu-*

ter Graphics Forum, 32(3pt4):431–440, June 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Solomon:2012:DFD

[SVWG12] Justin Solomon, Etienne Vouga, Max Wardetzky, and Eitan Grinspun. Deformation: Flexible developable surfaces. *Computer Graphics Forum*, 31(5):1567–1576, August 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sadlo:2010:TDD

[SW10] F. Sadlo and D. Weiskopf. Time-dependent 2-D vector field topology: An approach inspired by Lagrangian coherent structures. *Computer Graphics Forum*, 29(1):88–100, March 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sanftmann:2011:PAS

[SW11] H. Sanftmann and D. Weiskopf. Perception: Anaglyph stereo without ghosting. *Computer Graphics Forum*, 30(4):1251–1259, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Saikia:2017:GFT

[SW17] H. Saikia and T. Weinkauf. Global feature tracking and similarity estimation in time-dependent scalar fields. *Computer Graphics Forum*, 36(3):1–11, June 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

StJean:2016:TSD

[SWG16] C. St.Jean, C. Ware, and R. Gamble. Time series data and sequences: Dynamic change arcs to explore model forecasts. *Computer Graphics Forum*, 35(3):311–320, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sewall:2010:VWC

[SWML10] J. Sewall, D. Wilkie, P. Merrell, and M. C. Lin. Virtual worlds: Continuum traffic simulation. *Computer Graphics Forum*, 29 (2):439–448, May 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Scherzer:2011:SRT

[SWP11] Daniel Scherzer, Michael Wimmer, and Werner Purgathofer. A survey of real-time hard shadow mapping methods. *Com-*

puter Graphics Forum, 30(1):169–186, March 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Steinberger:2012:IMU

[SWS12] Markus Steinberger, Manuela Waldner, and Dieter Schmalstieg. Interactive modeling and user interfaces: Interactive self-organizing Windows. *Computer Graphics Forum*, 31(2pt3): 621–630, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sato:2018:ENB

[SWT+18] T. Sato, C. Wojtan, N. Thuerey, T. Igarashi, and R. Ando. Extended narrow band FLIP for liquid simulations. *Computer Graphics Forum*, 37(2):169–177, May 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Song:2019:SAS

[SXLS19] Chengfang Song, Chunxia Xiao, Ling Lei, and Haigang Sui. Scale-adaptive structure-preserving texture filtering. *Computer Graphics Forum*, 38(7):149–158, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Shao:2011:MRA

[SXY+11] Tianjia Shao, Weiwei Xu, Kangkang Yin, Jingdong Wang, Kun Zhou, and Baining Guo. Model reconstruction & analysis: Discriminative sketch-based 3D model retrieval via robust shape matching. *Computer Graphics Forum*, 30(7):2011–2020, September 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sahillioglu:2011:SCF

[SY11] Y. Sahillioğlu and Y. Yemez. Section 4: Coarse-to-fine combinatorial matching for dense isometric shape correspondence. *Computer Graphics Forum*, 30(5):1461–1470, August 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sahillioglu:2012:SPM

[SY12a] Y. Sahillioğlu and Y. Yemez. Shape processing and modeling: Scale normalization for isometric shape matching. *Computer Graphics Forum*, 31(7pt2):2233–2240, September 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Seversky:2012:GPG

[SY12b] L. M. Seversky and L. Yin. Geometry processing: a global parity measure for incomplete point cloud data. *Computer Graphics Forum*, 31(7pt1):2097–2106, September 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sahillioglu:2013:CFI

[SY13] Y. Sahillioğlu and Y. Yemez. Coarse-to-fine isometric shape correspondence by tracking symmetric flips. *Computer Graphics Forum*, 32(1):177–189, February 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sahillioglu:2014:PDC

[SY14a] Y. Sahillioğlu and Y. Yemez. Partial 3-D correspondence from shape extremities. *Computer Graphics Forum*, 33(6):63–76, September 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sahillioglu:2014:SCM

[SY14b] Y. Sahillioğlu and Y. Yemez. Shapes and cryptography: Multiple shape correspondence by dynamic programming. *Computer Graphics Forum*, 33(7):121–130, October 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sheng:2010:ISA

[SYC10] Yu Sheng, Theodore C. Yapo, and Barbara Cutler. Implicit surfaces and augmented reality: Global illumination compensation for spatially augmented reality. *Computer Graphics Forum*, 29 (2):387–396, May 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Salman:2010:RFP

[SYM10] Nader Salman, Mariette Yvinec, and Quentin Merigot. Reconstruction I: Feature preserving mesh generation from 3D point clouds. *Computer Graphics Forum*, 29(5):1623–1632, July 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Scherzer:2012:TCM

[SYM+12] Daniel Scherzer, Lei Yang, Oliver Mattausch, Diego Nehab, Pedro V. Sander, Michael Wimmer, and Elmar Eisemann. Temporal coherence methods in real-time rendering. *Computer*

Graphics Forum, 31(8):2378–2408, December 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Shi:2013:GSP

[SYT+13] K.-L. Shi, J.-H. Yong, L. Tang, J.-G. Sun, and J.-C. Paul. Geometry (session 2): Polar NURBS surface with curvature continuity. *Computer Graphics Forum*, 32(7):363–370, October 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Sun:2018:CCC

[SZ18] Lanyin Sun and Chungang Zhu. Curvature continuity conditions between adjacent toric surface patches. *Computer Graphics Forum*, 37(7):469–477, October 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Shao:2015:SFF

[SZMTW15] X. Shao, Z. Zhou, N. Magnenat-Thalmann, and W. Wu. Stable and fast fluid–solid coupling for incompressible SPH. *Computer Graphics Forum*, 34(1):191–204, February 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Szymczak:2011:TBV

[Szy11] Andrzej Szymczak. Topology-based visualization: Stable Morse decompositions for piecewise constant vector fields on surfaces. *Computer Graphics Forum*, 30(3):851–860, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Tonneau:2016:CAC

[TAAP+16] Steve Tonneau, Rami Ali Al-Ashqar, Julien Pettré, Taku Komura, and Nicolas Mansard. Character animation: Character contact re-positioning under large environment deformation. *Computer Graphics Forum*, 35(2):127–138, May 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Tursun:2015:SAR

[TAEE15] Okan Tarhan Tursun, Ahmet Oğuz Akyüz, Aykut Erdem, and Erkut Erdem. State of the art reports: The state of the art in HDR deghosting: a survey and evaluation. *Computer Graphics Forum*, 34(2):683–707, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Tursun:2016:HIO

[TAEE16] Okan Tarhan Tursun, Ahmet Oğuz Akyüz, Aykut Erdem, and Erkut Erdem. HDR imaging: an objective deghosting quality metric for HDR images. *Computer Graphics Forum*, 35(2):139–152, May 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Takayama:2019:DSM

[Tak19] Kenshi Takayama. Dual sheet meshing: an interactive approach to robust hexahedralization. *Computer Graphics Forum*, 38(2): 37–48, May 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Tagliasacchi:2012:FMC

[TAOZ12] Andrea Tagliasacchi, Ibraheem Alhashim, Matt Olson, and Hao Zhang. Flows: Mean curvature skeletons. *Computer Graphics Forum*, 31(5):1735–1744, August 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Tao:2012:ICP

[TBKP12] Michael Tao, Jiamin Bai, Pushmeet Kohli, and Sylvain Paris. Image and color processing: SimpleFlow: a non-iterative, sublinear optical flow algorithm. *Computer Graphics Forum*, 31 (2pt1):345–353, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Thony:2018:LSP

[TBP18] Matthias Thöny, Markus Billeter, and Renato Pajarola. Large-scale pixel-precise deferred vector maps. *Computer Graphics Forum*, 37(1):338–349, February 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Thiery:2012:SPM

[TBTB12] Jean-Marc Thiery, Bert Buchholz, Julien Tierny, and Tamy Boubekeur. Shape processing and modeling: Analytic curve skeletons for 3D surface modeling and processing. *Computer Graphics Forum*, 31(7pt2):2223–2232, September 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Tevs:2011:SMM

[TBW+11] A. Tevs, A. Berner, M. Wand, I. Ihrke, and H.-P. Seidel. Shape matching and manipulation: Intrinsic shape matching by planned landmark sampling. *Computer Graphics Forum*, 30 (2):543–552, April 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Turmukhambetov:2015:ISD

[TCGK15] Daniyar Turmukhambetov, Neill D. F. Campbell, Dan B. Goldman, and Jan Kautz. Interactive sketch-driven image synthesis. *Computer Graphics Forum*, 34(8):130–142, December 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Tang:2012:AIR

[TCLK12] Jeff K. T. Tang, Jacky C. P. Chan, Howard Leung, and Taku Komura. Animation: Interaction retrieval by spacetime proximity graphs. *Computer Graphics Forum*, 31(2pt4):745–754, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Tikhonova:2010:VVE

[TCM10] A. Tikhonova, C. D. Correa, and K.-L. Ma. Volume visualization: an exploratory technique for coherent visualization of time-varying volume data. *Computer Graphics Forum*, 29 (3):783–792, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Thonat:2018:TSI

[TDDD18] Theo Thonat, Abdelaziz Djelouah, Fredo Durand, and George Drettakis. Thin structures in image based rendering. *Computer Graphics Forum*, 37(4):107–118, July 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Takahashi:2015:FFI

[TDF+15] Tetsuya Takahashi, Yoshinori Dobashi, Issei Fujishiro, Tomoyuki Nishita, and Ming C. Lin. Fluids & flows: Implicit formulation for SPH-based viscous fluids. *Computer Graphics Forum*, 34(2):493–502, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Templin:2014:CIP

[TDMS14] Krzysztof Templin, Piotr Didyk, Karol Myszkowski, and Hans-Peter Seidel. Color and imaging: Perceptually-motivated stereoscopic film grain. *Computer Graphics Forum*, 33(7): 349–358, October 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Takahashi:2018:EHI

[TDNL18] Tetsuya Takahashi, Yoshinori Dobashi, Tomoyuki Nishita, and Ming C. Lin. An efficient hybrid incompressible SPH solver with interface handling for boundary conditions. *Computer Graphics Forum*, 37(1):313–324, February 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Tagliasacchi:2016:SAR

[TDS+16] Andrea Tagliasacchi, Thomas Delame, Michela Spagnuolo, Nina Amenta, and Alexandru Telea. State of the art reports: 3D skeletons: A state-of-the-art report. *Computer Graphics Forum*, 35(2):573–597, May 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Telea:2010:GIB

[TE10] A. Telea and O. Ersoy. Graphs: Image-based edge bundles: Simplified visualization of large graphs. *Computer Graphics Forum*, 29(3):843–852, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Thiery:2018:ARE

[TE18] J.-M. Thiery and E. Eisemann. ARAPLBS: Robust and efficient elasticity-based optimization of weights and skeleton joints for linear blend skinning with parametrized bones. *Computer Graphics Forum*, 37(1):32–44, February 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Tang:2015:RHM

[TF15] Yizhi Tang and Jieqing Feng. Registration: Hierarchical multiview rigid registration. *Computer Graphics Forum*, 34(5):77–87, August 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Tam:2011:PSA

[TFA+11] G. K. L. Tam, H. Fang, A. J. Aubrey, P. W. Grant, P. L. Rosin, D. Marshall, and M. Chen. Parameter spaces and analysis: Visualization of time-series data in parameter space for understanding facial dynamics. *Computer Graphics Forum*, 30 (3):901–910, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Tominski:2017:ILV

[TGK+17] C. Tominski, S. Gladisch, U. Kister, R. Dachselt, and H. Schumann. Interactive lenses for visualization: an extended survey. *Computer Graphics Forum*, 36(6):173–200, September 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Tasse:2012:ETB

[TGM12] F. P. Tasse, J. Gain, and P. Marais. Enhanced texture-based terrain synthesis on graphics hardware. *Computer Graphics Forum*, 31(6):1959–1972, September 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Tokuyoshi:2017:LSS

[TH17] Yusuke Tokuyoshi and Takahiro Harada. Lighting and shading: Stochastic light culling for VPLs on GGX microsurfaces. *Computer Graphics Forum*, 36(4):55–63, July 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Thierry:2011:ITN

[Thi11] Guillaume Thierry. Invited talks: Neuromatrix: The world is embodied in our brain. *Computer Graphics Forum*, 30(2):xxii, April 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Tsukamoto:2017:DOF

[TIK17] J. Tsukamoto, D. Iwai, and K. Kashima. Distributed optimization framework for shadow removal in multi-projection systems. *Computer Graphics Forum*, 36(8):369–379, December 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Timonen:2012:LCI

[Tim12] Ville Timonen. Low-complexity intervisibility in height fields. *Computer Graphics Forum*, 31(8):2348–2362, December 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Timonen:2013:SLS

[Tim13] Ville Timonen. Shadows: Line-sweep ambient obscurance. *Computer Graphics Forum*, 32(4):97–105, July 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Takahashi:2016:FMS

[TL16] Tetsuya Takahashi and Ming C. Lin. Fluids: a multilevel SPH solver with unified solid boundary handling. *Computer Graphics Forum*, 35(7):517–526, October 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Takahashi:2019:GCV

[TL19] Tetsuya Takahashi and Ming C. Lin. A geometrically consistent viscous fluid solver with two-way fluid-solid coupling. *Computer Graphics Forum*, 38(2):49–58, May 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Tarameshloo:2016:NGU

[TLFC16] E. Tarameshloo, M. Hosseinkhani Loorak, P. W. L. Fong, and S. Carpendale. Networks and graphs 2: Using visualization to explore original and anonymized LBSN data. *Computer Graphics Forum*, 35(3):291–300, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Tu:2019:PPS

[TLH19] Peihan Tu, Dani Lischinski, and Hui Huang. Point pattern synthesis via irregular convolution. *Computer Graphics Forum*, 38(5):109–122, August 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Tanahashi:2016:VNS

[TLM16] Yuzuru Tanahashi, Nick Leaf, and Kwan-Liu Ma. Visualization/NPR: a study on designing effective introductory materials for information visualization. *Computer Graphics Forum*, 35(7):117–126, October 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Thiagarajan:2018:EHD

[TLRB18] J. J. Thiagarajan, S. Liu, K. N. Ramamurthy, and P.-T. Bremer. Exploring high-dimensional structure via axis-aligned decomposition of linear projections. *Computer Graphics Forum*, 37(3):241–251, June 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Tao:2019:KIP

[TLW+19] Wenbo Tao, Xiaoyu Liu, Yedi Wang, Leilani Battle, Çağatay Demiralp, Remco Chang, and Michael Stonebraker. Kyrix: Interactive pan/zoom visualizations at scale. *Computer Graphics Forum*, 38(3):529–540, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Tao:2013:PPS

[TM13] Michael W. Tao and Jitendra Malik. Pixels and points: Sharpening out of focus images using high-frequency transfer. *Computer Graphics Forum*, 32(2pt4):489–498, May 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Trentacoste:2011:IVB

[TMH11] Matthew Trentacoste, Rafal Mantiuk, and Wolfgang Heidrich. Image and video: Blur-aware image downsampling. *Computer Graphics Forum*, 30(2):573–582, April 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Trentacoste:2012:PGU

[TMHD12] Matthew Trentacoste, Ratal Mantiuk, Wolfgang Heidrich, and Florian Dufrot. Perceptual graphics: Unsharp masking, countershading and halos: Enhancements or artifacts? *Computer Graphics Forum*, 31(2pt3):555–564, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Tam:2014:MEA

[TMRL14] Gary K. L. Tam, Ralph R. Martin, Paul L. Rosin, and Yu-Kun Lai. Matching: an efficient approach to correspondences between multiple non-rigid parts. *Computer Graphics Forum*, 33(5):137–146, August 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Tokuyoshi:2015:SLA

[Tok15a] Y. Tokuyoshi. Specular lobe-aware filtering and upsampling for interactive indirect illumination. *Computer Graphics Forum*, 34 (6):135–147, September 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Tokuyoshi:2015:RVS

[Tok15b] Yusuke Tokuyoshi. Rendering: Virtual spherical Gaussian lights for real-time glossy indirect illumination. *Computer Graphics Forum*, 34(7):89–98, October 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Tagliasacchi:2011:SVV

[TOZ+11] Andrea Tagliasacchi, Matt Olson, Hao Zhang, Ghassan Hamarneh, and Daniel Cohen-Or. Section 7: VASE: Volume-aware surface evolution for surface reconstruction from incomplete point clouds. *Computer Graphics Forum*, 30(5):1563–1571, August 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Tarini:2010:MPP

[TPC+10] Marco Tarini, Nico Pietroni, Paolo Cignoni, Daniele Panozzo, and Enrico Puppo. Mesh processing: Practical quad mesh simplification. *Computer Graphics Forum*, 29(2):407–418, May 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Turkay:2011:TDV

[TPRH11] C. Turkay, J. Parulek, N. Reuter, and H. Hauser. Temporal data visualization: Interactive visual analysis of temporal cluster structures. *Computer Graphics Forum*, 30(3):711–720, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Takayama:2014:MPB

[TPSH14a] Kenshi Takayama, Daniele Panozzo, and Olga Sorkine-Hornung. Meshing: Pattern-based quadrangulation for N-sided patches. *Computer Graphics Forum*, 33(5):177–184, August 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Tarini:2014:AIA

[TPSH14b] Marco Tarini, Daniele Panozzo, and Olga Sorkine-Hornung. Animation III: Accurate and efficient lighting for skinned models. *Computer Graphics Forum*, 33(2):421–428, May 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Treib:2012:MMI

[TRAW12] Marc Treib, Florian Reichl, Stefan Auer, and Rüdiger Westermann. Massive models: Interactive editing of GigaSample terrain fields. *Computer Graphics Forum*, 31(2pt2):383–392, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Tao:2016:FTN

[TSB16] Michael Tao, Justin Solomon, and Adrian Butscher. Fitting and tracking: Near-isometric level set tracking. *Computer Graphics Forum*, 35(5):65–77, August 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Tokuyoshi:2013:RSA

[TSdSK13] Yusuke Tokuyoshi, Takashi Sekine, Tiago da Silva, and Takashi Kanai. Rendering (session 2): Adaptive ray-bundle tracing with memory usage prediction: Efficient global illumination in large scenes. *Computer Graphics Forum*, 32(7):315–324, October 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Tomcin:2014:APB

[TSK14] Robin Tomcin, Dominik Sibbing, and Leif Kobbelt. Animation I (physically-based): Efficient enforcement of hard articulation constraints in the presence of closed loops and contacts. *Computer Graphics Forum*, 33(2):235–244, May 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Tsai:2016:FAH

[TSPP16] Yun-Ta Tsai, Markus Steinberger, Dawid Pająk, and Kari Pulli. Fast ANN for high-quality collaborative filtering. *Computer Graphics Forum*, 35(1):138–151, February 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Takayama:2011:IGP

[TSS+11] Kenshi Takayama, Ryan Schmidt, Karan Singh, Takeo Igarashi, Tamy Boubekeur, and Olga Sorkine. Interactive geometric processing: GeoBrush: Interactive mesh geometry cloning. *Computer Graphics Forum*, 30(2):613–622, April 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Tagliasacchi:2015:RRA

[TST+15] Andrea Tagliasacchi, Matthias Schröder, Anastasia Tkach, Sofien Bouaziz, Mario Botsch, and Mark Pauly. Registration: Robust articulated-ICP for real-time hand tracking. *Computer Graphics Forum*, 34(5):101–114, August 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Tang:2019:CDS

[TSW+19] Keke Tang, Peng Song, Xiaofei Wang, Bailin Deng, Chi-Wing Fu, and Ligang Liu. Computational design of steady 3D dissection puzzles. *Computer Graphics Forum*, 38(2):291–303, May 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Thiery:2012:CCB

[TTB12] Jean-Marc Thiery, Julien Tierny, and Tamy Boubekeur. CageR: Cage-based reverse engineering of animated 3D shapes. *Computer Graphics Forum*, 31(8):2303–2316, December 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Tang:2013:ASG

[TTN+13] Min Tang, Ruofeng Tong, Rahul Narain, Chang Meng, and Dinesh Manocha. Animation (session 1): a GPU-based streaming algorithm for high-resolution cloth simulation. *Computer Graphics Forum*, 32(7):21–30, October 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Timonen:2010:RIS

[TW10] Ville Timonen and Jan Westerholm. Rendering II: Scalable height field self-shadowing. *Computer Graphics Forum*, 29(2):723–731, May 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Tao:2016:VDV

[TWC+16] Yubo Tao, Qirui Wang, Wei Chen, Yingcai Wu, and Hai Lin. Volume data visualization: Similarity voting based viewpoint selection for volumes. *Computer Graphics Forum*, 35(3):391–400, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Thiyagalingam:2013:UCP

[TWD+13] Jeyarajan Thiyagalingam, Simon Walton, Brian Duffy, Anne Trefethen, and Min Chen. Uncertainty: Complexity plots. *Computer Graphics Forum*, 32(3pt1):111–120, June 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Torsney-Weir:2018:HIV

[TWMSK18] T. Torsney-Weir, T. Möller, M. Sedlmair, and R. M. Kirby. Hypersliceplorer: Interactive visualization of shapes in multiple dimensions. *Computer Graphics Forum*, 37(3):229–240, June 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Takahashi:2011:MSP

[TWS+11] Shigeo Takahashi, Hsiang-Yun Wu, Seow Hui Saw, Chun-Cheng Lin, and Hsu-Chun Yen. Mesh segmentation & processing: Optimized topological surgery for unfolding 3D meshes. *Computer Graphics Forum*, 30(7):2077–2086, September 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Torsney-Weir:2017:SSM

[TWSM17] T. Torsney-Weir, M. Sedlmair, and T. Möller. Sliceplorer: 1D slices for multi-dimensional continuous functions. *Computer Graphics Forum*, 36(3):167–177, June 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Tang:2016:CAC

[TWT+16] Min Tang, Huamin Wang, Le Tang, Ruofeng Tong, and Dinesh Manocha. Cloth & animation: CAMA: Contact-aware matrix assembly with unified collision handling for GPU-based cloth simulation. *Computer Graphics Forum*, 35(2):511–521, May 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Tian:2016:IVF

[TX16] Lihui Tian and Shuangjiu Xiao. Images and video: Facial feature exaggeration according to social psychology of face perception. *Computer Graphics Forum*, 35(7):391–399, October 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Tan:2019:ICP

[TXGW19] Xuehan Tan, Panpan Xu, Shihui Guo, and Wencheng Wang. Image composition of partially occluded objects. *Computer Graphics Forum*, 38(7):641–650, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Tang:2019:FGL

[TXL+19] Shusen Tang, Zeqing Xia, Zhouhui Lian, Yingmin Tang, and Jianguo Xiao. FontRNN: Generating large-scale Chinese fonts via recurrent neural network. *Computer Graphics Forum*, 38 (7):567–577, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Tong:2011:IVE

[TZD11] Ruo-Feng Tong, Yun Zhang, and Meng Ding. Image & video editing: Video brush: a novel interface for efficient video cutout. *Computer Graphics Forum*, 30(7):2049–2057, September 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Um:2014:PDA

[UBH14] Kiwon Um, Seungho Baek, and JungHyun Han. Particles and deformation: Advanced hybrid particle-grid method with subgrid particle correction. *Computer Graphics Forum*, 33(7): 209–218, October 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Uffinger:2010:VIH

[ÜFE10] Markus Üffinger, Steffen Frey, and Thomas Ertl. Visualization: Interactive high-quality visualization of higher-order finite elements. *Computer Graphics Forum*, 29(2):337–346, May 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Urena:2013:VSA

[UFK13] Carlos Ureña, Marcos Fajardo, and Alan King. Visibility/ sampling: an area-preserving parametrization for spherical rectangles. *Computer Graphics Forum*, 32(4):59–66, July 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Urena:2018:SSP

[UG18] Carlos Ureña and Iliyan Georgiev. Stratified sampling of projected spherical caps. *Computer Graphics Forum*, 37(4):13–20, July 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Um:2018:LSM

[UHT18] Kiwon Um, Xiangyu Hu, and Nils Thuerey. Liquid splash modeling with neural networks. *Computer Graphics Forum*, 37(8): 171–182, December 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Untereiner:2015:CCR

[UKCB15] L. Untereiner, P. Kraemer, D. Cazier, and D. Bechmann. CPH: a compact representation for hierarchical meshes generated by primal refinement. *Computer Graphics Forum*, 34(8):155–166, December 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ulu:2019:SDU

[UMK19] E. Ulu, J. McCann, and L. B. Kara. Structural design using Laplacian shells. *Computer Graphics Forum*, 38(5):85–98, August 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Urbano:2010:TMO

[UMM+10] C. Urbano, L. Magalhães, J. Moura, M. Bessa, A. Marcos, and A. Chalmers. Tone mapping operators on small screen devices: An evaluation study. *Computer Graphics Forum*, 29(8):2469–2478, December 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Umenhoffer:2011:NPR

[USSK11] Tamás Umenhoffer, László Szécsi, and László Szirmay-Kalos. Non-photorealistic rendering: Hatching for motion picture production. *Computer Graphics Forum*, 30(2):533–542, April 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ureta:2016:FIM

[UTZ16] Francisca Gil Ureta, Chelsea Tymms, and Denis Zorin. Fabrication: Interactive modeling of mechanical objects. *Computer Graphics Forum*, 35(5):145–155, August 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Usher:2019:SRT

[UWA+19] Will Usher, Ingo Wald, Jefferson Amstutz, Johannes Günther, Carson Brownlee, and Valerio Pascucci. Scalable ray tracing using the Distributed FrameBuffer. *Computer Graphics Forum*, 38(3):455–466, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Vicini:2019:DDM

[VAN+19] D. Vicini, D. Adler, J. Novák, F. Rousselle, and B. Burley. Denoising deep Monte Carlo renderings. *Computer Graphics Forum*, 38(1):316–327, February 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Vanegas:2010:MAB

[VAW+10] C. A. Vanegas, D. G. Aliaga, P. Wonka, P. Müller, P. Waddell, and B. Watson. Modelling the appearance and behaviour of urban spaces. *Computer Graphics Forum*, 29(1):25–42, March 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Vaxman:2012:MMP

[Vax12] Amir Vaxman. Modeling: Modeling polyhedral meshes with affine maps. *Computer Graphics Forum*, 31(5):1647–1656, August 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Vaxman:2014:PFP

[Vax14] Amir Vaxman. A projective framework for polyhedral mesh modelling. *Computer Graphics Forum*, 33(8):121–131, December 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Vasa:2014:AIM

[VB14a] L. Váša and G. Brunnett. Animation II (motion data processing): Rate-distortion optimized compression of motion capture data. *Computer Graphics Forum*, 33(2):283–292, May 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Vasa:2014:CFE

[VB14b] Libor Váša and Guido Brunnett. Coordinates and fields: Efficient encoding of texture coordinates guided by mesh geometry. *Computer Graphics Forum*, 33(5):25–34, August 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Vehlow:2015:VEC

[VBAW15] C. Vehlow, F. Beck, P. Auwärter, and D. Weiskopf. Visualizing the evolution of communities in dynamic graphs. *Computer Graphics Forum*, 34(1):277–288, February 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

vanBasten:2011:AFS

[vBE11] B. J. H. van Basten and A. Egges. Animation: Flexible splicing of upper-body motion spaces on locomotion. *Computer Graphics Forum*, 30(7):1963–1971, September 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Vinkler:2013:MPH

[VBHH13] Marek Vinkler, Jiří Bittner, Vlastimil Havran, and Michal Hapala. Massively parallel hierarchical scene processing with applications in rendering. *Computer Graphics Forum*, 32(8):13–25, December 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Vehlow:2017:VGS

[VBW17] Corinna Vehlow, Fabian Beck, and Daniel Weiskopf. Visualizing group structures in graphs: a survey. *Computer Graphics Forum*, 36(6):201–225, September 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Vaxman:2016:SAR

[VCD+16] Amir Vaxman, Marcel Campen, Olga Diamanti, Daniele Panozzo, David Bommes, Klaus Hildebrandt, and Mirela Ben-Chen. State of the art reports: Directional field synthesis, design, and processing. *Computer Graphics Forum*, 35(2):545–572, May 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Vangorp:2011:PPV

[VCL+11] P. Vangorp, G. Chaurasia, P.-Y. Laffont, R. W. Fleming, and G. Drettakis. Perception: Perception of visual artifacts in image-based rendering of Façades. *Computer Graphics Forum*, 30(4):1241–1250, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Vad:2014:LLD

[VCRG14] Viktor Vad, Balázs Csébfalvi, Peter Rautek, and Eduard Gröller. Low-level direct volume rendering / filtering: Towards an unbiased comparison of CC, BCC, and FCC lattices in terms of prealiasing. *Computer Graphics Forum*, 33(3):81–90, June 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Vasa:2018:EPC

[VD18] L. Váša and J. Dvořák. Error propagation control in Laplacian mesh compression. *Computer Graphics Forum*, 37(5):61–70, August 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

vanderCorput:2014:BIV

[vdCAvW14] Paul van der Corput, Johan Arends, and Jarke J. van Wijk. BioMedical II: Visualization of medicine prescription behavior. *Computer Graphics Forum*, 33(3):161–170, June 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

vanderCorput:2016:HDD

[vdCvW16] Paul van der Corput and Jarke J. van Wijk. High-dimensional data: Exploring items and features with I^F, F^I-tables. *Computer Graphics Forum*, 35(3):31–40, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

vanderCorput:2017:CPI

[vdCvW17] Paul van der Corput and Jarke J. van Wijk. Comparing personal image collections with PICTuReVis. *Computer Graphics Forum*, 36(3):295–304, June 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

vandenElzen:2013:ITS

[vdEvW13] Stef van den Elzen and Jarke J. van Wijk. InfoVis techniques: Small multiples, large singles: A new approach for visual data exploration. *Computer Graphics Forum*, 32(3pt2): 191–200, June 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

vanDijk:2016:GDV

[vDHO16] Thomas C. van Dijk, Jan-Henrik Haunert, and Johannes Oehrlein. Geospatial data visualization: Location-dependent generalization of road networks based on equivalent destinations. *Computer Graphics Forum*, 35(3):451–460, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

vandeKerkhof:2019:DAG

[vdKdJP+19] Mees van de Kerkhof, Tim de Jong, Raphael Parment, Maarten Löffler, Amir Vaxman, and Marc van Kreveld. Design and automated generation of Japanese picture puzzles. *Computer Graphics Forum*, 38(2):343–353, May 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

vanDortmont:2019:CEE

[vDvdEvW19] M. A. M. M. van Dortmont, S. van den Elzen, and J. J. van Wijk. ChronoCorrelator: Enriching events with time series. *Computer Graphics Forum*, 38(3):387–399, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

vanderZwan:2011:MDV

[vdZLBI11] Matthew van der Zwan, Wouter Lueks, Henk Bekker, and Tobias Isenberg. Molecular data visualization: Illustrative molecular visualization with continuous abstraction. *Computer Graphics Forum*, 30(3):683–690, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Vasilakis:2014:AIM

[VF14] Andreas A. Vasilakis and Ioannis Fudos. Animation II (motion data processing): Pose partitioning for multi-resolution segmentation of arbitrary mesh animations. *Computer Graphics Forum*, 33(2):293–302, May 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Vavra:2016:RTA

[VF16] R. Vávra and J. Filip. Ray tracing/appearance capture: Minimal sampling for effective acquisition of anisotropic BRDFs. *Computer Graphics Forum*, 35(7):299–309, October 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

vFestenberg:2011:DBS

[vFG11] Niels v. Festenberg and Stefan Gumhold. Diffusion-based snow cover generation. *Computer Graphics Forum*, 30(6):1837–1849, September 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Vanek:2014:SSC

[VGB14a] J. Vanek, J. A. G. Galicia, and B. Benes. Segmentation and structure: Clever support: Efficient support structure generation for digital fabrication. *Computer Graphics Forum*, 33(5): 117–125, August 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Vanek:2014:PPV

[VGB+14b] J. Vanek, J. A. Garcia Galicia, B. Benes, R. Měch, N. Carr, O. Stava, and G. S. Miller. PackMerger: a 3D print volume optimizer. *Computer Graphics Forum*, 33(6):322–332, September 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

vanGarderen:2017:MDO

[vGPNB17] M. van Garderen, B. Pampel, A. Nocaj, and U. Brandes. Minimum-displacement overlap removal for geo-referenced data visualization. *Computer Graphics Forum*, 36(3):423–433, June 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Vibert:2019:SVR

[VGS+19] N. Vibert, A. Gruson, H. Stokholm, T Mortensen, W. Jarosz, T. Hachisuka, and D. Nowrouzezahrai. Scalable virtual ray lights rendering for participating media. *Computer Graphics Forum*, 38(4):57–65, July 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Vinkler:2015:RED

[VH15] M. Vinkler and V. Havran. Register efficient dynamic memory allocator for GPUs. *Computer Graphics Forum*, 34(8):143–154, December 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Vinkler:2016:PCB

[VHB16] Marek Vinkler, Vlastimil Havran, and Jiří Bittner. Performance comparison of bounding volume hierarchies and kd-trees for GPU ray tracing. *Computer Graphics Forum*, 35(8):68–79, December 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Vazquez:2018:VAP

[VHG+18] P. Vázquez, P. Hermosilla, V. Guallar, J. Estrada, and A. Vinacua. Visual analysis of protein-ligand interactions. *Computer Graphics Forum*, 37(3):391–402, June 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Verstraaten:2018:LHR

[VK18] T. W. Verstraaten and J. Kosinka. Local and hierarchical refinement for subdivision gradient meshes. *Computer Graphics Forum*, 37(7):373–383, October 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Viitanen:2017:GTF

[VKJ+17] T. Viitanen, M. Koskela, P. Jääskeläinen, K. Immonen, and J. Takala. Geometric techniques: Fast hardware construction and refitting of quantized bounding volume hierarchies. *Computer Graphics Forum*, 36(4):167–178, July 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

vanKaick:2011:SMM

[vKTS+11] Oliver van Kaick, Andrea Tagliasacchi, Oana Sidi, Hao Zhang, Daniel Cohen-Or, Lior Wolf, and Ghassan Hamarneh. Shape matching and manipulation: Prior knowledge for part correspondence. *Computer Graphics Forum*, 30(2):553–562, April 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

vanKreveld:2011:SSS

[vKvLV11] M. van Kreveld, T. van Lankveld, and R. C. Veltkamp. Section 7: On the shape of a set of points and lines in the plane. *Computer Graphics Forum*, 30(5):1553–1562, August 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

vanKreveld:2013:RWS

[vKvLV13] M. van Kreveld, T. van Lankveld, and R. C. Veltkamp. Reconstruction: Watertight scenes from urban LiDAR and planar surfaces. *Computer Graphics Forum*, 32(5):217–228, August 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Vanegas:2012:CBP

[VKW+12] Carlos A. Vanegas, Tom Kelly, Basil Weber, Jan Halatsch, Daniel G. Aliaga, and Pascal Müller. Cities and buildings: Procedural generation of parcels in urban modeling. *Computer Graphics Forum*, 31(2pt3):681–690, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

vanKaick:2013:BMP

[vKZH13] Oliver van Kaick, Hao Zhang, and Ghassan Hamarneh. Bilateral maps for partial matching. *Computer Graphics Forum*, 32 (6):189–200, September 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

vanKaick:2011:SSC

[vKZHCO11] Oliver van Kaick, Hao Zhang, Ghassan Hamarneh, and Daniel Cohen-Or. A survey on shape correspondence. *Computer Graphics Forum*, 30(6):1681–1707, September 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

vonLandesberger:2011:VAL

[vLKS+11] T. von Landesberger, A. Kuijper, T. Schreck, J. Kohlhammer, J. J. Van Wijk, J.-D. Fekete, and D. W. Fellner. Visual analysis of large graphs: State-of-the-art and future research challenges. *Computer Graphics Forum*, 30(6):1719–1749, September 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Viau:2012:GRC

[VM12] C. Viau and M. J. McGuffin. Graphs and relationships: ConnectedCharts: Explicit visualization of relationships between data graphics. *Computer Graphics Forum*, 31(3pt4):1285–1294, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Volke:2013:TDV

[VMH+13] S. Volke, M. Middendorf, M. Hlawitschka, J. Kasten, D. Zeckzer, and G. Scheuermann. Topology: dPSO-Vis: Topology-based visualization of discrete particle swarm optimization. *Computer Graphics Forum*, 32(3pt3):351–360, June 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Vasa:2014:SCD

[VMHB14] L. Váša, S. Marras, K. Hormann, and G. Brunnett. Surfaces I: Compressing dynamic meshes with geometric Laplacians. *Computer Graphics Forum*, 33(2):145–154, May 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

vonMarcard:2017:SIP

[vMRBPM17] T. von Marcard, B. Rosenhahn, M. J. Black, and G. Pons-Moll. Sparse inertial poser: Automatic 3D human pose estimation from sparse IMUs. *Computer Graphics Forum*, 36(2):349–360, May 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Vogiannou:2010:CEB

[VMTS10] Athanasios Vogiannou, Konstantinos Moustakas, Dimitrios Tzovaras, and Michael G. Strintzis. Collisions: Enhancing bounding volumes using support plane mappings for collision detection. *Computer Graphics Forum*, 29(5):1595–1604, July 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Vo:2010:HSE

[VOS+10] Huy T. Vo, Daniel K. Osmari, Brian Summa, João L. D. Comba, Valerio Pascucci, and Cláudio T. Silva. Hardware: Streaming-enabled parallel dataflow architecture for multicore systems. *Computer Graphics Forum*, 29(3):1073–1082, June

2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Vasa:2011:SOP

[VP11] L. Váša and O. Petřík. Section 3: Optimising perceived distortion in lossy encoding of dynamic meshes. *Computer Graphics Forum*, 30(5):1439–1449, August 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

vanPelt:2014:BCB

[vPGL+14] R. van Pelt, R. Gasteiger, K. Lawonn, M. Meuschke, and B. Preim. BioMedical I: Comparative blood flow visualization for cerebral aneurysm treatment assessment. *Computer Graphics Forum*, 33(3):131–140, June 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

vanPelt:2012:MVV

[vPJtHRV12] R. F. P. van Pelt, S. S. A. M. Jacobs, B. M. ter Haar Romeny, and A. Vilanova. Medical visualization: Visualization of 4D blood-flow fields by spatiotemporal hierarchical clustering. *Computer Graphics Forum*, 31(3pt2):1065–1074, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Vasa:2012:VPD

[VR12] Libor Váša and Jan Rus. Visualization and perception: Dihedral angle mesh error: a fast perception correlated distortion measure for fixed connectivity triangle meshes. *Computer Graphics Forum*, 31(5):1715–1724, August 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Vimont:2017:DGH

[VRBC17] Ulysse Vimont, Damien Rohmer, Antoine Begault, and Marie-Paule Cani. Deformation grammars: Hierarchical constraint preservation under deformation. *Computer Graphics Forum*, 36(8):429–443, December 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Vasa:2010:GDL

[VS10] Libor Váša and Václav Skala. Geometry-driven local neighbourhood based predictors for dynamic mesh compression. *Computer Graphics Forum*, 29(6):1921–1933, September 2010.

CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Vanhoey:2013:RFP

[VSG+13] K. Vanhoey, B. Sauvage, O. Génevaux, F. Larue, and J.-M. Dischler. Robust fitting on poorly sampled data for surface light field rendering and image relighting. *Computer Graphics Forum*, 32(6):101–112, September 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Varady:2016:CSM

[VSK16] Tamás Várady, Péter Salvi, and György Karikó. Curves & surfaces: a multi-sided Bézier patch with a simple control structure. *Computer Graphics Forum*, 35(2):307–317, May 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

vonTycowicz:2011:CBC

[vTKP11] Christoph von Tycowicz, Felix Kälberer, and Konrad Polthier. Context-based coding of adaptive multiresolution meshes. *Computer Graphics Forum*, 30(8):2231–2245, December 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Vergne:2011:NPR

[VVC+11] Romain Vergne, David Vanderhaeghe, Jiazhou Chen, Pascal Barla, Xavier Granier, and Christophe Schlick. Nonphotorealistic rendering: Implicit brushes for stylized line-based rendering. *Computer Graphics Forum*, 30(2):513–522, April 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

VanWelbergen:2010:RTA

[VVE+10] H. Van Welbergen, B. J. H. Van Basten, A. Egges, Zs. M. Ruttkay, and M. H. Overmars. Real time animation of virtual humans: a trade-off between naturalness and control. *Computer Graphics Forum*, 29(8):2530–2554, December 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Vasa:2016:DPM

[VVP+16] L. Váša, P. Vaněček, M. Prantl, V. Skorkovská, P. Martínek, and I. Kolingerová. Differential properties: Mesh statistics for robust curvature estimation. *Computer Graphics Forum*, 35(5): 271–280, August 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Velinov:2018:RTR

[VWH18] Z. Velinov, S. Werner, and M. B. Hullin. Real-time rendering of wave-optical effects on scratched surfaces. *Computer Graphics Forum*, 37(2):123–134, May 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Woodring:2011:HLS

[WAF+11] J. Woodring, J. Ahrens, J. Figg, J. Wendelberger, S. Habib, and K. Heitmann. Hierarchies and large-scale visualization: Insitu sampling of a large-scale particle simulation for interactive visualization and analysis. *Computer Graphics Forum*, 30(3): 1151–1160, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wang:2019:ATD

[WBAI19] Xiyao Wang, Lonni Besançon, Mehdi Ammi, and Tobias Isenberg. Augmenting tactile 3D data navigation with pressure sensing. *Computer Graphics Forum*, 38(3):635–647, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Weber:2011:SCV

[WBCGH11] O. Weber, M. Ben-Chen, C. Gotsman, and K. Hormann. Section 6: a complex view of barycentric mappings. *Computer Graphics Forum*, 30(5):1533–1542, August 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wunderlich:2017:VDU

[WBFvL17] M. Wunderlich, K. Ballweg, G. Fuchs, and T. von Landesberger. Visualization of delay uncertainty and its impact on train trip planning: a design study. *Computer Graphics Forum*, 36(3):317–328, June 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wood:2018:GFA

[WBM+18] Erroll Wood, Tadas Baltrušaitis, Louis-Philippe Morency, Peter Robinson, and Andreas Bulling. GazeDirector: Fully articulated eye gaze redirection in video. *Computer Graphics Forum*, 37(2):217–225, May 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wiebel:2011:REW

[WBP11] Alexander Wiebel, Charl Botha, and Bernhard Preim. Reports: Eurographics Workshops VCBM 2008 and 2010. *Computer Graphics Forum*, 30(1):231–232, March 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Weber:2013:EGD

[WBS+13] Daniel Weber, Jan Bender, Markus Schnoes, André Stork, and Dieter Fellner. Efficient GPU data structures and methods to solve sparse linear systems in dynamics applications. *Computer Graphics Forum*, 32(1):16–26, February 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wenner:2013:SSM

[WBSH+13] Simon Wenner, Jean-Charles Bazin, Alexander Sorkine-Hornung, Changil Kim, and Markus Gross. Synthesis: Scalable music: Automatic music retargeting and synthesis. *Computer Graphics Forum*, 32(2pt3):345–354, May 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wiewel:2019:LSP

[WBT19] S. Wiewel, M. Becher, and N. Thuerey. Latent space physics: Towards learning the temporal evolution of fluid flow. *Computer Graphics Forum*, 38(2):71–82, May 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wong:2014:CSC

[WC14] Sai-Keung Wong and Yu-Chun Cheng. Continuous self-collision detection for deformable surfaces interacting with solid models. *Computer Graphics Forum*, 33(6):143–153, September 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wong:2016:PAM

[WC16] Sai-Keung Wong and Kai-Chun Chen. A procedural approach to modelling virtual climbing plants with tendrils. *Computer Graphics Forum*, 35(8):5–18, December 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wei:2015:VAC

[WCB15] Tzu-Hsuan Wei, Chun-Ming Chen, and Ayan Biswas. Volume analysis and classification: Efficient local histogram searching via bitmap indexing. *Computer Graphics Forum*, 34(3):81–90, June 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Webanck:2018:PC

[WCGG18] A. Webanck, Y. Cortial, E. Guérin, and E. Galin. Procedural cloudscapes. *Computer Graphics Forum*, 37(2):431–442, May 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wu:2015:SVE

[WCH+15] Feiran Wu, Guoning Chen, Jin Huang, Yubo Tao, and Wei Chen. Simulation and visualization: EasyXplorer: A flexible visual exploration approach for multivariate spatial data. *Computer Graphics Forum*, 34(7):163–172, October 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wong:2015:RSI

[WCM15] Yu-Shiang Wong, Hung-Kuo Chu, and Niloy J. Mitra. Reconstruction: SmartAnnotator an interactive tool for annotating indoor RGBD images. *Computer Graphics Forum*, 34(2):447–457, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wang:2015:SPS

[WCT+15] Weiming Wang, Haiyuan Chao, Jing Tong, Zhouwang Yang, Xin Tong, Hang Li, Xiuping Liu, and Ligang Liu. Saliency-preserving slicing optimization for effective 3D printing. *Computer Graphics Forum*, 34(6):148–160, September 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Weng:2013:GSR

[WCX+13] Yanlin Weng, Menglei Chai, Weiwei Xu, Yiying Tong, and Kun Zhou. Geometry (session 2): As-rigid-as-possible distance field metamorphosis. *Computer Graphics Forum*, 32(7):381–389, October 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Weiss:2011:SDH

[WD11] Kenneth Weiss and Leila De Floriani. Simplex and diamond hierarchies: Models and applications. *Computer Graphics Forum*, 30(8):2127–2155, December 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Winkler:2010:SDA

[WDAH10] T. Winkler, J. Drieseberg, M. Alexa, and K. Hormann. Shape deformation and animation: Multi-scale geometry interpolation. *Computer Graphics Forum*, 29(2):309–318, May 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wang:2010:AIV

[WDC+10] Xiaoyu Wang, Wenwen Dou, Shen-En Chen, William Ribarsky, and Remco Chang. Applications: an interactive visual analytics system for bridge management. *Computer Graphics Forum*, 29 (3):1033–1042, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wu:2013:CBC

[WDK+13] Fuzhang Wu, Weiming Dong, Yan Kong, Xing Mei, Jean-Claude Paul, and Xiaopeng Zhang. Content-based colour transfer. *Computer Graphics Forum*, 32(1):190–203, February 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wang:2012:GRS

[WDM+12] X. Wang, W. Dou, Z. Ma, J. Villalobos, Y. Chen, T. Kraft, and W. Ribarsky. Graphs and relationships: I-SI: Scalable architecture for analyzing latent topical-level information from social media data. *Computer Graphics Forum*, 31(3pt4):1275–1284, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wu:2011:SAS

[WDR11] Hongzhi Wu, Julie Dorsey, and Holly Rushmeier. Surface appearance: a sparse parametric mixture model for BTF compression, editing and rendering. *Computer Graphics Forum*, 30 (2):465–473, April 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Weller:2017:KPC

[WDZ17] René Weller, Nicole Debowski, and Gabriel Zachmann. kDet: Parallel constant time collision detection for polygonal objects. *Computer Graphics Forum*, 36(2):131–141, May 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wang:2017:SLB

[WESW17] Z. Wang, J. Martinez Esturo, H.-P. Seidel, and T. Weinkauf. Stream line-based pattern search in flows. *Computer Graphics Forum*, 36(8):7–18, December 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wu:2018:MBL

[WFLW18] Wenming Wu, Lubin Fan, Ligang Liu, and Peter Wonka. MIQP-based layout design for building interiors. *Computer Graphics Forum*, 37(2):511–521, May 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wang:2015:FVV

[WFZ+15] Y. H. Wang, C. R. Fan, J. Zhang, T. Niu, S. Zhang, and J. R. Jiang. Forecast verification and visualization based on Gaussian mixture model co-estimation. *Computer Graphics Forum*, 34 (6):99–110, September 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ward:2011:TDV

[WG11] Matthew O. Ward and Zhenyu Guo. Temporal data visualization: Visual exploration of time-series data with shape space projections. *Computer Graphics Forum*, 30(3):701–710, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Weiss:2012:LRS

[WG12] Maayan Weiss and Thorsten Grosch. Lighting and rendering: Stochastic progressive photon mapping for dynamic scenes. *Computer Graphics Forum*, 31(2pt3):719–726, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wang:2018:KFM

[WGBS18] L. Wang, A. Gehre, M. M. Bronstein, and J. Solomon. Kernel functional maps. *Computer Graphics Forum*, 37(5):27–36,

August 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wei:2019:MDC

[WGH+19] M. Wei, X. Guo, J. Huang, H. Xie, H. Zong, R. Kwan, F. L. Wang, and J. Qin. Mesh defiltering via cascaded geometry recovery. *Computer Graphics Forum*, 38(7):591–605, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wolski:2019:STR

[WGK+19] K. Wolski, D. Giunchi, S. Kinuwaki, P. Didyk, K. Myszkowski, A. Steed, and R. K. Mantiuk. Selecting texture resolution using a task-specific visibility metric. *Computer Graphics Forum*, 38 (7):685–696, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wolinski:2014:AIM

[WGO+14] D. Wolinski, S. J. Guy, A.-H. Olivier, M. Lin, D. Manocha, and J. Pettré. Animation II (motion data processing): Parameter estimation and comparative evaluation of crowd simulations. *Computer Graphics Forum*, 33(2):303–312, May 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Weinkauf:2010:VRV

[WGS10] Tino Weinkauf, Yotam Gingold, and Olga Sorkine. Volume reconstruction and visualization: Topology-based smoothing of 2D scalar fields with C^1-continuity. *Computer Graphics Forum*, 29(3):1221–1230, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wang:2019:HHC

[WGW+19] Zihan Wang, Neng Gao, Xin Wang, Ji Xiang, Daren Zha, and Linghui Li. HidingGAN: High capacity information hiding with generative adversarial network. *Computer Graphics Forum*, 38 (7):393–401, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wan:2017:UFV

[WH17a] Y. Wan and C. Hansen. Uncertainty footprint: Visualization of nonuniform behavior of iterative algorithms applied to 4D cell tracking. *Computer Graphics Forum*, 36(3):479–489, June

2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wang:2017:AGG

[WH17b] Hui Wang and Hui Huang. Analyzing geometries: Group representation of global intrinsic symmetries. *Computer Graphics Forum*, 36(7):51–61, October 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wang:2013:GIF

[WHB+13] Beibei Wang, Jing Huang, Bert Buchholz, Xiangxu Meng, and Tamy Boubekeur. Global illumination: Factorized point based global illumination. *Computer Graphics Forum*, 32(4):117–123, July 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Walny:2015:EDE

[WHC15] J. Walny, S. Huron, and S. Carpendale. Evaluation and design: an exploratory study of data sketching for visual representation. *Computer Graphics Forum*, 34(3):231–240, June 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Weber:2017:MVN

[WHD17] Pascal Weber, Johannes Hanika, and Carsten Dachsbacher. Multiple vertex next event estimation for lighting in dense, forward-scattering media. *Computer Graphics Forum*, 36(2): 21–30, May 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wetzstein:2010:OIP

[WHL10] Gordon Wetzstein, Wolfgang Heidrich, and David Luebke. Optical image processing using light modulation displays. *Computer Graphics Forum*, 29(6):1934–1944, September 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wang:2019:SMF

[WHLW19] Zhenni Wang, Tze Yui Ho, Chi Sing Leung, and Eric. W. M. Wong. Seamless mipmap filtering for dual paraboloid maps. *Computer Graphics Forum*, 38(7):437–448, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Williams:2011:SDV

[WHP+11] S. Williams, M. Hecht, M. Petersen, R. Strelitz, M. Maltrud, J. Ahrens, M. Hlawitschka, and B. Hamann. Spatiotemporal data visualization: Visualization and analysis of eddies in a global ocean simulation. *Computer Graphics Forum*, 30(3):991–1000, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wang:2018:TEC

[WHS+18] Yong Wang, Hammad Haleem, Conglei Shi, Yanhong Wu, Xun Zhao, Siwei Fu, and Huamin Qu. Towards easy comparison of local businesses using online reviews. *Computer Graphics Forum*, 37(3):63–74, June 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Weinkauf:2012:VSA

[WHT12] T. Weinkauf, H.-C. Hege, and H. Theisel. Visualization and simulation: Advected tangent curves: a general scheme for characteristic curves of flow fields. *Computer Graphics Forum*, 31(2pt4):825–834, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wang:2016:HAR

[WHWB16] L. Wang, F. Hétroy-Wheeler, and E. Boyer. A hierarchical approach for regular centroidal Voronoi tessellations. *Computer Graphics Forum*, 35(1):152–165, February 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Weiss:2013:TPD

[WIFD13] Kenneth Weiss, Federico Iuricich, Riccardo Fellegara, and Leila De Floriani. Topology: a primal/dual representation for discrete Morse complexes on tetrahedral meshes. *Computer Graphics Forum*, 32(3pt3):361–370, June 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wetzstein:2011:CPI

[WILH11] Gordon Wetzstein, Ivo Ihrke, Douglas Lanman, and Wolfgang Heidrich. Computational plenoptic imaging. *Computer Graphics Forum*, 30(8):2397–2426, December 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wang:2013:MOA

[WJB+13] J. Wang, C. Jiang, P. Bompas, J. Wallner, and H. Pottmann. Mesh optimization and applications: Discrete line congruences for shading and lighting. *Computer Graphics Forum*, 32(5):53–62, August 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wang:2014:INA

[WJDZ14] Xinjie Wang, Xiaogang Jin, Zhigang Deng, and Linling Zhou. Inherent noise-aware insect swarm simulation. *Computer Graphics Forum*, 33(6):51–62, September 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Weber:2016:CNP

[WJG+16] Y. Weber, V. Jolivet, G. Gilet, K. Nanko, and D. Ghazanfarpour. Capturing nature: a phenomenological model for throughfall rendering in real-time. *Computer Graphics Forum*, 35(4):13–23, July 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wang:2012:CCS

[WK12a] He Wang and Taku Komura. Crowds, cloths, and shape deformation: Manipulation of flexible objects by geodesic control. *Computer Graphics Forum*, 31(2pt2):499–508, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wang:2012:VVI

[WK12b] Lei Wang and Arie Kaufman. Volume visualization: Importance driven automatic color design for direct volume rendering. *Computer Graphics Forum*, 31(3pt4):1305–1314, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Welch:2017:MSD

[WK17] E. Welch and S. Kobourov. Measuring symmetry in drawings of graphs. *Computer Graphics Forum*, 36(3):341–351, June 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Weiler:2018:PCI

[WKBB18] Marcel Weiler, Dan Koschier, Magnus Brand, and Jan Bender. A physically consistent implicit viscosity solver for SPH fluids. *Computer Graphics Forum*, 37(2):145–155, May 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wang:2015:GID

[WKM15] Tuanfeng Y. Wang, Pushmeet Kohli, and Niloy J. Mitra. Geometry and images: Dynamic SfM: Detecting scene changes from image pairs. *Computer Graphics Forum*, 34(5):177–189, August 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Waser:2014:GVM

[WKS+14] J. Waser, A. Konev, B. Sadransky, Z. Horváth, H. Ribičić, R. Carnecky, P. Kluding, and B. Schindler. Geographic visualization: Many plans: Multidimensional ensembles for visual decision support in flood management. *Computer Graphics Forum*, 33(3):281–290, June 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wang:2010:MMB

[WL10] S. F. Wang and S. H. Lai. Modeling: Manifold-based 3D face caricature generation with individualized facial feature extraction. *Computer Graphics Forum*, 29(7):2161–2168, September 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wu:2012:IHP

[WLI+12] Di Wu, Yebin Liu, Ivo Ihrke, Qionghai Dai, and Christian Theobalt. Imaging and hair: Performance capture of high-speed motion using staggered multi-view recording. *Computer Graphics Forum*, 31(7pt1):2019–2028, September 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wang:2018:SMG

[WLJ+18] Guan Wang, Hamid Laga, Jinyuan Jia, Ning Xie, and Hedi Tabia. Statistical modeling of the 3D geometry and topology of botanical trees. *Computer Graphics Forum*, 37(5):185–198, August 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wang:2017:ICD

[WLL+17] Fei Wang, Shujin Lin, Xiaonan Luo, Hefeng Wu, Ruomei Wang, and Fan Zhou. Interaction and creation: a data-driven approach for sketch-based 3D shape retrieval via similar drawing-style recommendation. *Computer Graphics Forum*, 36(7):157–166, October 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wenger:2013:IPS

[WLM13] Stephan Wenger, Dirk Lorenz, and Marcus Magnor. Image processing (session 2): Fast image-based modeling of astronomical nebulae. *Computer Graphics Forum*, 32(7):93–100, October 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wang:2017:LDS

[WLN+17] Yunhai Wang, Jingting Li, Feiping Nie, Holger Theisel, Minglun Gong, and Dirk J. Lehmann. Linear discriminative star coordinates for exploring class and cluster separation of high dimensional data. *Computer Graphics Forum*, 36(3):401–410, June 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wei:2013:SEI

[WLS13] Tzu-Hsuan Wei, Teng-Yok Lee, and Han-Wei Shen. Surfaces: Evaluating isosurfaces with level-set-based information maps. *Computer Graphics Forum*, 32(3pt1):1–10, June 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wang:2012:LSR

[WLT12] Y. Wang, B. Liu, and Y. Tong. Linear surface reconstruction from discrete fundamental forms on triangle meshes. *Computer Graphics Forum*, 31(8):2277–2287, December 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wang:2017:ERS

[WLT+17] Tongtong Wang, Zhihua Liu, Min Tang, Ruofeng Tong, and Dinesh Manocha. Efficient and reliable self-collision culling using unprojected normal cones. *Computer Graphics Forum*, 36(8):487–498, December 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wang:2019:IGA

[WLX19] Yili Wang, Yifan Liu, and Kun Xu. An improved geometric approach for palette-based image decomposition and recoloring. *Computer Graphics Forum*, 38(7):11–22, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wong:2013:MBB

[WLZ13] T. H. Wong, G. Leach, and F. Zambetta. Modelling bending behaviour in cloth simulation using hysteresis. *Computer Graphics Forum*, 32(8):183–194, December 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wang:2017:AMA

[WLZH17] Yupan Wang, Guiqing Li, Zhichao Zeng, and Huayun He. Articulated-motion-aware sparse localized decomposition. *Computer Graphics Forum*, 36(8):247–259, December 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wang:2018:VFM

[WLZT18] Y. Wang, B. Liu, K. Zhou, and Y. Tong. Vector field map representation for near conformal surface correspondence. *Computer Graphics Forum*, 37(6):72–83, September 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wei:2019:SIR

[WLZX19] Jinjiang Wei, Chengjiang Long, Hua Zou, and Chunxia Xiao. Shadow inpainting and removal using generative adversarial networks with slice convolutions. *Computer Graphics Forum*, 38(7):381–392, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wang:2015:RTR

[WMB15] Beibei Wang, Xiangxu Meng, and Tamy Boubekeur. Real-time rendering and filtering: Wavelet point-based global illumination. *Computer Graphics Forum*, 34(4):143–153, July 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Weber:2015:FFC

[WMRSF15] Daniel Weber, Johannes Mueller-Roemer, André Stork, and Dieter Fellner. Fluids & flows: a cut-cell geometric multigrid Poisson solver for fluid simulation. *Computer Graphics Forum*, 34 (2):481–491, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wang:2019:BRI

[WMXC19] Wencheng Wang, Junhui Ma, Panpan Xu, and Yiyao Chu. Book review: *Intrinsic Symmetry Detection on* 3*D Models with Skeleton-guided Combination of Extrinsic Symmetries*. *Computer Graphics Forum*, 38(7):617–628, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Weber:2012:SAC

[WMZ12] Ofir Weber, Ashish Myles, and Denis Zorin. Shape analysis: Computing extremal quasiconformal maps. *Computer Graphics Forum*, 31(5):1679–1689, August 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wilkie:2014:SWR

[WND+14] A. Wilkie, S. Nawaz, M. Droske, A. Weidlich, and J. Hanika. Spectral and wave rendering: Hero wavelength spectral sampling. *Computer Graphics Forum*, 33(4):123–131, July 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Whited:2010:NPR

[WNS+10] Brian Whited, Gioacchino Noris, Maryann Simmons, Robert W. Sumner, Markus Gross, and Jarek Rossignac. Non-photorealistic rendering: BetweenIT: An interactive tool for tight inbetweening. *Computer Graphics Forum*, 29(2):605–614, May 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wan:2013:VSB

[WOH13] Y. Wan, H. Otsuna, and C. Hansen. Volumes: Synthetic brainbows. *Computer Graphics Forum*, 32(3pt4):471–480, June 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Weber:2012:BC

[WPG12] Ofir Weber, Roi Poranne, and Craig Gotsman. Biharmonic coordinates. *Computer Graphics Forum*, 31(8):2409–2422, December 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wolff:2018:PS

[WPGSH18] Katja Wolff, Roi Poranne, Oliver Glauser, and Olga Sorkine-Hornung. Packable springs. *Computer Graphics Forum*, 37 (2):251–262, May 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Williams:2012:FVI

[WPH+12] S. Williams, M. Petersen, M. Hecht, M. Maltrud, J. Patchett, J. Ahrens, and B. Hamann. Flow visualization: Interface exchange as an indicator for eddy heat transport. *Computer Graphics Forum*, 31(3pt3):1125–1134, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wun:2016:CGC

[WPHC16] Tiffany Wun, Jennifer Payne, Samuel Huron, and Sheelagh Carpendale. Charts and glyphs: Comparing bar chart authoring with Microsoft Excel and tangible tiles. *Computer Graphics Forum*, 35(3):111–120, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wampler:2013:AAL

[WPP13] Kevin Wampler, Jovan Popović, and Zoran Popović. Animation: Animal locomotion controllers from scratch. *Computer Graphics Forum*, 32(2pt2):153–162, May 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wu:2011:TDV

[WPW+11] Yingcai Wu, Thomas Provan, Furu Wei, Shixia Liu, and Kwan-Liu Ma. Text and document visualization: Semantic-preserving word clouds by seam carving. *Computer Graphics Forum*, 30 (3):741–750, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wang:2019:LGM

[WPY+19] He Wang, Sören Pirk, Ersin Yumer, Vladimir G. Kim, Ozan Sener, Srinath Sridhar, and Leonidas J. Guibas. Learning a generative model for multi-step human-object interactions from videos. *Computer Graphics Forum*, 38(2):367–378, May 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Weier:2016:RTA

[WRK+16] Martin Weier, Thorsten Roth, Ernst Kruijff, André Hinkenjann, Arsène Pérard-Gayot, Philipp Slusallek, and Yongmin Li. Ray tracing/appearance capture: Foveated real-time ray tracing for head-mounted displays. *Computer Graphics Forum*, 35 (7):289–298, October 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wang:2013:VFV

[WRS+13] B. Wang, P. Rosen, P. Skraba, H. Bhatia, and V. Pascucci. Vector fields: Visualizing robustness of critical points for 2D time-varying vector fields. *Computer Graphics Forum*, 32(3pt2):221–230, June 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wang:2013:JTT

[WSCP13] Lili Wang, Yulong Shi, Yi Chen, and Voicu Popescu. Just-in-time texture synthesis. *Computer Graphics Forum*, 32(1): 126–138, February 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wesslen:2019:IEV

[WSK+19] R. Wesslen, S. Santhanam, A. Karduni, I. Cho, S. Shaikh, and W. Dou. Investigating effects of visual anchors on decision-making about misinformation. *Computer Graphics Forum*, 38 (3):161–171, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Weier:2017:PDA

[WSR+17] M. Weier, M. Stengel, T. Roth, P. Didyk, E. Eisemann, M. Eisemann, S. Grogorick, A. Hinkenjann, E. Kruijff, M. Magnor, K. Myszkowski, and P. Slusallek. Perception-driven accelerated rendering. *Computer Graphics Forum*, 36(2):611–643, May 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Windheuser:2011:SLS

[WSSC11] Thomas Windheuser, Ulrich Schlickwei, Frank R. Schimdt, and Daniel Cremers. Section 4: Large-scale integer linear programming for orientation preserving 3 D shape matching. *Computer Graphics Forum*, 30(5):1471–1480, August 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wong:2011:NPR

[WT11] Fernando J. Wong and Shigeo Takahashi. Non-photorealistic rendering & GPU computing: a graph-based approach to continuous line illustrations with variable levels of detail. *Computer Graphics Forum*, 30(7):1931–1939, September 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wang:2017:GSV

[WT17] Chaoli Wang and Jun Tao. Graphs in scientific visualization: a survey. *Computer Graphics Forum*, 36(1):263–287, January 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wu:2013:STS

[WTH+13] Hsiang-Yun Wu, Shigeo Takahashi, Daichi Hirono, Masatoshi Arikawa, Chun-Cheng Lin, and Hsu-Chun Yen. Space and time: Spatially efficient design of annotated metro maps. *Computer Graphics Forum*, 32(3pt3):261–270, June 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wang:2015:VRE

[WTL15] Qichao Wang, Yubo Tao, and Hai Lin. Volume rendering: Edge-aware volume smoothing using L_0 gradient minimization. *Computer Graphics Forum*, 34(3):131–140, June 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wu:2013:EPG

[WTLL13] Yi-Chian Wu, Yu-Ting Tsai, Wen-Chieh Lin, and Wen-Hsin Li. Expressiveness and perception: Generating pointillism paintings based on Seurat's color composition. *Computer Graphics Forum*, 32(4):153–162, July 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wu:2012:GVT

[WTLY12] Hsiang-Yun Wu, Shigeo Takahashi, Chun-Cheng Lin, and Hsu-Chun Yen. Geospatial visualization: Travel-route-centered metro map layout and annotation. *Computer Graphics Forum*, 31(3pt1):925–934, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wang:2018:EBB

[WTMT18] Xinlei Wang, Min Tang, Dinesh Manocha, and Ruofeng Tong. Efficient BVH-based collision detection scheme with ordering and restructuring. *Computer Graphics Forum*, 37(2):227–237, May 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wang:2015:CDT

[WTTM15] Zhendong Wang, Min Tang, Ruofeng Tong, and Dinesh Manocha. Collision detection: TightCCD: Efficient and robust continuous collision detection using tight error bounds. *Computer Graphics Forum*, 34(7):289–298, October 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wu:2018:FFS

[WTYH18] Kui Wu, Nghia Truong, Cem Yuksel, and Rama Hoetzlein. Fast fluid simulations with sparse volumes on the GPU. *Computer Graphics Forum*, 37(2):157–167, May 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Willems:2011:EEV

[WVV11] Niels Willems, Huub Van De Wetering, and Jarke J. Van Wijk. Evaluation: Evaluation of the visibility of vessel movement features in trajectory visualizations. *Computer Graphics Forum*, 30(3):801–810, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wilkie:2011:RAV

[WW11] A. Wilkie and A. Weidlich. Realistic appearance and volumes: a physically plausible model for light emission from glowing solid objects. *Computer Graphics Forum*, 30(4):1269–1276, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wang:2016:FBO

[WW16] L. Wang and E. Whiting. Fabrication: Buoyancy optimization for computational fabrication. *Computer Graphics Forum*, 35 (2):49–58, May 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wu:2015:SPB

[WWD15] Jun Wu, Rüdiger Westermann, and Christian Dick. A survey of physically based simulation of cuts in deformable bodies. *Computer Graphics Forum*, 34(6):161–187, September 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wang:2018:PMN

[WWF+18] Zhendong Wang, Longhua Wu, Marco Fratarcangeli, Min Tang, and Huamin Wang. Parallel multigrid for nonlinear cloth simulation. *Computer Graphics Forum*, 37(7):131–141, October 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wang:2010:RRT

[WWH+10] Yajun Wang, Jiaping Wang, Nicolas Holzschuch, Kartic Subr, Jun-Hai Yong, and Baining Guo. Rendering I: Real-time rendering of heterogeneous translucent objects with arbitrary shapes. *Computer Graphics Forum*, 29(2):497–506, May 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wu:2014:PDR

[WWH+14] Xiaokun Wu, Michael Wand, Klaus Hildebrandt, Pushmeet Kohli, and Hans-Peter Seidel. Particles and deformation: Real-time symmetry-preserving deformation. *Computer Graphics Forum*, 33(7):229–238, October 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wang:2018:FGI

[WWH18] Beibei Wang, Lu Wang, and Nicolas Holzschuch. Fast global illumination with discrete stochastic microfacets using a filterable model. *Computer Graphics Forum*, 37(7):55–64, October 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Weng:2013:IPS

[WWL+13] Yanlin Weng, Lvdi Wang, Xiao Li, Menglei Chai, and Kun Zhou. Image processing (session 2): Hair interpolation for portrait morphing. *Computer Graphics Forum*, 32(7):79–84, October 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Waldin:2019:CCM

[WWL+19] N. Waldin, M. Waldner, M. Le Muzic, E. Gröller, D. S. Goodsell, L. Autin, A. J. Olson, and I. Viola. Cuttlefish: Color mapping for dynamic multi-scale visualizations. *Computer Graphics Forum*, 38(6):150–164, September 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wheatland:2015:SAR

[WWS+15] Nkenge Wheatland, Yingying Wang, Huaguang Song, Michael Neff, Victor Zordan, and Sophie Jörg. State of the art reports: State of the art in hand and finger modeling and animation. *Computer Graphics Forum*, 34(2):735–760, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Widmer:2016:RRD

[WWT+16] S. Widmer, D. Wodniok, D. Thul, S. Guthe, and M. Goesele. Realistic rendering: Decoupled space and time sampling of motion and defocus blur for unified rendering of transparent and opaque objects. *Computer Graphics Forum*, 35(7):441–450, October 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Waldin:2017:FOE

[WWV17] N. Waldin, M. Waldner, and I. Viola. Flicker observer effect: Guiding attention through high frequency flicker in images. *Computer Graphics Forum*, 36(2):467–476, May 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wang:2011:SAS

[WXL+11] Y. Wang, K. Xu, J. Li, H. Zhang, A. Shamir, L. Liu, Z. Cheng, and Y. Xiong. Shape analysis: Symmetry hierarchy of man-made objects. *Computer Graphics Forum*, 30(2):287–296, April 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wang:2013:RCL

[WXL+13] Jun Wang, Kai Xu, Ligang Liu, Junjie Cao, Shengjun Liu, Zeyun Yu, and Xianfeng David Gu. Reconstruction: Consolidation of low-quality point clouds from outdoor scenes. *Computer Graphics Forum*, 32(5):207–216, August 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wang:2016:MAM

[WXR+16] J. Wang, Y. Xu, O. Remil, X. Xie, N. Ye, C. Yi, and M. Wei. Modeling: Automatic modeling of urban facades from raw LiDAR point data. *Computer Graphics Forum*, 35(7):269–278, October 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wu:2018:CCM

[WXW18] Q. Wu, K. Xu, and J. Wang. Constructing 3D CSG models from 3D raw point clouds. *Computer Graphics Forum*, 37(5): 221–232, August 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wang:2013:EBE

[WYD+13] C. Wang, Y. Yue, F. Dong, Y. Tao, X. Ma, G. Clapworthy, and X. Ye. Enhancing Bayesian estimators for removing camera shake. *Computer Graphics Forum*, 32(6):113–125, September 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wu:2017:ARN

[WYKR17] Lifan Wu, Ling-Qi Yan, Alexandr Kuznetsov, and Ravi Ramamoorthi. Adding and removing noise: Multiple axis-aligned filters for rendering of combined distribution effects. *Computer Graphics Forum*, 36(4):155–166, July 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wu:2013:FNP

[WYY13] Xiaoyue Wu, Xubo Yang, and Yang Yang. Fluids: a novel projection technique with detail capture and shape correction for smoke simulation. *Computer Graphics Forum*, 32(2pt4):389–397, May 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wang:2014:VTS

[WYZB14] Rui Wang, Yinhui Yang, Hongxin Zhang, and Hujun Bao. Variational tree synthesis. *Computer Graphics Forum*, 33(8):82–94, December 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wang:2013:FPS

[WYZC13] J. Wang, Z. Yu, W. Zhu, and J. Cao. Feature-preserving surface reconstruction from unoriented, noisy point data. *Computer Graphics Forum*, 32(1):164–176, February 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wu:2015:AIA

[WZ15] Hongzhi Wu and Kun Zhou. AppFusion: Interactive appearance acquisition using a Kinect sensor. *Computer Graphics Forum*, 34(6):289–298, September 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wang:2011:VEO

[WZC+11] Yunhai Wang, Jian Zhang, Wei Chen, Huai Zhang, and Xuebin Chi. Visualization: Efficient opacity specification based on feature visibilities in direct volume rendering. *Computer Graphics Forum*, 30(7):2117–2126, September 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wu:2015:SMM

[WZCF15] Xiaoqun Wu, Jianmin Zheng, Yiyu Cai, and Chi-Wing Fu. Shape and mesh: Mesh denoising using extended ROF model with L_1 fidelity. *Computer Graphics Forum*, 34(7):35–45, October 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wei:2019:FAQ

[WZG+19] Guangshun Wei, Yuanfeng Zhou, Xifeng Gao, Qian Ma, Shiqing Xin, and Ying He. Field-aligned quadrangulation for image vectorization. *Computer Graphics Forum*, 38(7):171–180, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wang:2013:IPS

[WZH13] Zhong-Qiang Wang, Lei Zhang, and Hua Huang. Image processing (session 4): Multiplane video stabilization. *Computer*

Graphics Forum, 32(7):265–273, October 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wang:2016:FIS

[WZK16] W. M. Wang, C. Zanni, and L. Kobbelt. Fabrication: Improved surface quality in 3D printing by optimizing the printing direction. *Computer Graphics Forum*, 35(2):59–70, May 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wang:2014:GGE

[WZKP14] Lili Wang, Shiheng Zhou, Wei Ke, and Voicu Popescu. GEARS: a general and efficient algorithm for rendering shadows. *Computer Graphics Forum*, 33(6):264–275, September 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wang:2012:VVA

[WZL+12] Yunhai Wang, Jian Zhang, Dirk J. Lehmann, Holger Theisel, and Xuebin Chi. Volume visualization: Automating transfer function design with valley cell-based clustering of 2D density plots. *Computer Graphics Forum*, 31(3pt4):1295–1304, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Wang:2017:CRS

[WZL+17] Dong Wang, Changqing Zou, Guiqing Li, Chengying Gao, Zhuo Su, and Ping Tan. Coloring, rendering, and sampling: $\mathcal{L}_0$ gradient-preserving color transfer. *Computer Graphics Forum*, 36(7):93–103, October 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Xue:2013:IPS

[XADR13] S. Xue, A. Agarwala, J. Dorsey, and H. Rushmeier. Image processing (session 4): Learning and applying color styles from feature films. *Computer Graphics Forum*, 32(7):255–264, October 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Xu:2018:CCE

[XBL+18] Shenyu Xu, Chris Bryan, Jianping Kelvin Li, Jian Zhao, and Kwan-Liu Ma. Chart constellations: Effective chart summarization for collaborative and multi-user analyses. *Computer*

Graphics Forum, 37(3):75–86, June 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Xue:2010:NPR

[XCDR10] Su Xue, Xuejin Chen, Julie Dorsey, and Holly Rushmeier. Non-photorealistic rendering: Printed patterns for enhanced shape perception of papercraft models. *Computer Graphics Forum*, 29(2):625–634, May 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Xu:2013:GVA

[XDC+13] Panpan Xu, Fan Du, Nan Cao, Conglei Shi, Hong Zhou, and Huamin Qu. Graphs: Visual analysis of set relations in a graph. *Computer Graphics Forum*, 32(3pt1):61–70, June 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Xue:2011:RMS

[XDR11] Su Xue, Julie Dorsey, and Holly Rushmeier. Reflectance and materials: Stone weathering in a photograph. *Computer Graphics Forum*, 30(4):1189–1196, June 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Xu:2018:EPS

[XDY18] Qun-Ce Xu, Bailin Deng, and Yong-Liang Yang. Ellipsoid packing structures on freeform surfaces. *Computer Graphics Forum*, 37(7):87–95, October 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Xu:2017:HMV

[XGDC17] Kaoji Xu, Xifeng Gao, Zhigang Deng, and Guoning Chen. Hexahedral meshing with varying element sizes. *Computer Graphics Forum*, 36(8):540–553, December 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Xu:2018:RHM

[XHC+18] Liyou Xu, Xiaowei He, Wei Chen, Sheng Li, and Guoping Wang. Reformulating hyperelastic materials with peridynamic modeling. *Computer Graphics Forum*, 37(7):121–130, October 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Xu:2018:DVS

[XHW+18] Sen-Zhe Xu, Jun Hu, Miao Wang, Tai-Jiang Mu, and Shi-Min Hu. Deep video stabilization using adversarial networks. *Computer Graphics Forum*, 37(7):267–276, October 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Xu:2017:DDS

[XKHK17] Kai Xu, Vladimir G. Kim, Qixing Huang, and Evangelos Kalogerakis. Data-driven shape analysis and processing. *Computer Graphics Forum*, 36(1):101–132, January 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Xiao:2010:IVE

[XL10] Chunxia Xiao and Meng Liu. Image and video I: Efficient mean-shift clustering using Gaussian KD-tree. *Computer Graphics Forum*, 29(7):2065–2073, September 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Xiao:2013:CSR

[XLH+13] Yi Xiao, Chi Sing Leung, Tze Yui Ho, Liang Wan, and Tien Tsing Wong. Concentric spherical representation for omnidirectional soft shadow. *Computer Graphics Forum*, 32(6):201–213, September 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Xu:2010:ALL

[XLL+10] Mingliang Xu, Huansen Li, Pei Lv, Wenzhi Chen, Gengdai Liu, Pengyu Zhu, and Zhigeng Pan. Animation: L4RW: Laziness-based realistic real-time responsive rebalance in walking. *Computer Graphics Forum*, 29(7):2187–2196, September 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Xu:2014:SPS

[XLS+14] Chunxu Xu, Yong-Jin Liu, Qian Sun, Jinyan Li, and Ying He. Surfaces: Polyline-sourced geodesic Voronoi diagrams on triangle meshes. *Computer Graphics Forum*, 33(7):161–170, October 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Xu:2015:SMP

[XM15] Ling Xu and David Mould. Shape and mesh: Procedural tree modeling with guiding vectors. *Computer Graphics Forum*, 34 (7):47–56, October 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Xu:2014:HLD

[XSE14] X. Xu, E. Sakhaee, and A. Entezari. High level direct volume rendering: Volumetric data reduction in a compressed sensing framework. *Computer Graphics Forum*, 33(3):111–120, June 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Xu:2013:IPS

[XSQ13] X. Xu, H. S. Seah, and C. K. Quah. Image processing (session 5): Animated 3D line drawings with temporal coherence. *Computer Graphics Forum*, 32(7):285–294, October 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Xu:2014:SST

[XSX+14] Weiwei Xu, Zhouxu Shi, Mingliang Xu, Kun Zhou, Jingdong Wang, Bin Zhou, Jinrong Wang, and Zhenming Yuan. Segmentation and structure: Transductive 3D shape segmentation using sparse reconstruction. *Computer Graphics Forum*, 33(5): 107–115, August 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Xiao:2013:FSR

[XSXM13] Chunxia Xiao, Ruiyun She, Donglin Xiao, and Kwan-Liu Ma. Fast shadow removal using adaptive multi-scale illumination transfer. *Computer Graphics Forum*, 32(8):207–218, December 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Xiao:2019:GCE

[XTZ19] J. Y. Xiao, J. T. Tang, and X. Y. Zhang. A generalized cubemap for encoding 360^o VR videos using polynomial approximation. *Computer Graphics Forum*, 38(7):359–367, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Xu:2015:RRR

[XWB15] Chao Xu, Rui Wang, and Hujun Bao. Rendering: Realtime rendering glossy to glossy reflections in screen space. *Computer Graphics Forum*, 34(7):57–66, October 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Xia:2013:ASO

[XWG+13] Yang Xia, Jiangqin Wu, Pengcheng Gao, Yuan Lin, and Tianjiao Mao. Animation (session 1): Ontology-based model for Chinese calligraphy synthesis. *Computer Graphics Forum*, 32 (7):11–20, October 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Xiao:2015:OBG

[XWL+15] Yi Xiao, Liang Wan, Chi Sing Leung, Yu-Kun Lai, and Tien-Tsin Wong. Optimization-based gradient mesh colour transfer. *Computer Graphics Forum*, 34(6):123–134, September 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Xu:2015:CCF

[XWY+15] Mingliang Xu, Yunpeng Wu, Yangdong Ye, Illes Farkas, Hao Jiang, and Zhigang Deng. Collective crowd formation transform with mutual information-based runtime feedback. *Computer Graphics Forum*, 34(1):60–73, February 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Xiao:2019:CBF

[XWY19] Xiangyun Xiao, Hui Wang, and Xubo Yang. A CNN-based flow correction method for fast preview. *Computer Graphics Forum*, 38(2):431–440, May 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Xu:2017:BIR

[XWZB17] Chao Xu, Rui Wang, Shuang Zhao, and Hujun Bao. BRDFs and illumination: Real-time linear BRDF MIP-mapping. *Computer Graphics Forum*, 36(4):27–34, July 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Xie:2014:SSS

[XXLX14] Zhige Xie, Kai Xu, Ligang Liu, and Yueshan Xiong. Segmentation and structure: 3D shape segmentation and labeling via extreme learning machine. *Computer Graphics Forum*, 33(5):85–95, August 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Xie:2013:SDC

[XXM+13] Xiaohua Xie, Kai Xu, Niloy J. Mitra, Daniel Cohen-Or, Wenyong Gong, Qi Su, and Baoquan Chen. Sketch-to-Design: Context-based part assembly. *Computer Graphics Forum*, 32 (8):233–245, December 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Xie:2015:SMP

[XXS+15] Zhige Xie, Kai Xu, Wen Shan, Ligang Liu, Yueshan Xiong, and Hui Huang. Shape and mesh: Projective feature learning for 3D shapes with multi-view depth images. *Computer Graphics Forum*, 34(7):1–11, October 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Xu:2018:OGN

[XXY+18] Jiamin Xu, Weiwei Xu, Yin Yang, Zhigang Deng, and Hujun Bao. Online global Non-rigid registration for 3D object reconstruction using Consumer-level depth cameras. *Computer Graphics Forum*, 37(7):1–12, October 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Xiao:2013:IPS

[XXZC13] Chunxia Xiao, Donglin Xiao, Ling Zhang, and Lin Chen. Image processing (session 6): Efficient shadow removal using subregion matching illumination transfer. *Computer Graphics Forum*, 32(7):421–430, October 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Xu:2019:ASR

[XYLY19] Qun-Ce Xu, Dong-Ming Yan, Wenbin Li, and Yong-Liang Yang. Anisotropic surface remeshing without obtuse angles. *Computer Graphics Forum*, 38(7):755–763, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Xie:2013:VIR

[XYM13] Jinrong Xie, Hongfeng Yu, and Kwan-Liu Ma. Volumes: Interactive ray casting of geodesic grids. *Computer Graphics Forum*, 32(3pt4):481–490, June 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Xing:2013:RSL

[XZP+13] Guanyu Xing, Xuehong Zhou, Qunsheng Peng, Yanli Liu, and Xueying Qin. Rendering (session 1): Lighting simulation of augmented outdoor scene based on a legacy photograph. *Computer Graphics Forum*, 32(7):101–110, October 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Yang:2018:APS

[YB18] Y. Yang and C. Barnes. Approximate program smoothing using mean-variance statistics, with application to procedural shader bandlimiting. *Computer Graphics Forum*, 37(2):443–454, May 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Yim:2012:VSC

[YBK+12] D. Yim, G. V. G. Baranoski, B. W. Kimmel, T. F. Chen, and E. Miranda. Visualization and simulation: a cell-based light interaction model for human blood. *Computer Graphics Forum*, 31(2pt4):845–854, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Yoshizawa:2010:FGB

[YBY10] Shin Yoshizawa, Alexander Belyaev, and Hideo Yokota. Fast Gauss bilateral filtering. *Computer Graphics Forum*, 29(1):60–74, March 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Yao:2019:UNN

[YC19] L. Yao and A. Chyau. A unified neural network for panoptic segmentation. *Computer Graphics Forum*, 38(7):461–468, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Yang:2017:RGB

[YCL+17] Sheng Yang, Kang Chen, Minghua Liu, Hongbo Fu, and Shi-Min Hu. Reconstruction and generation based on RGBD images: Saliency-aware real-time volumetric fusion for object reconstruction. *Computer Graphics Forum*, 36(7):167–174, October 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Yao:2017:FDM

[YCXW17] Miaojun Yao, Zhili Chen, Weiwei Xu, and Huamin Wang. Fabrication and design: Modeling, evaluation and optimization of interlocking Shell pieces. *Computer Graphics Forum*, 36(7):1–13, October 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Yang:2010:RVS

[YDF+10] Baoguang Yang, Zhao Dong, Jieqing Feng, Hans-Peter Seidel, and Jan Kautz. Rendering: Variance soft shadow mapping. *Computer Graphics Forum*, 29(7):2127–2134, September 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ye:2019:ICD

[YDP19] Wenjie Ye, Yue Dong, and Pieter Peers. Interactive curation of datasets for training and refining generative models. *Computer Graphics Forum*, 38(7):369–380, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ye:2018:UDF

[YDT+18] Zi Ye, Olga Diamanti, Chengcheng Tang, Leonidas Guibas, and Tim Hoffmann. A unified discrete framework for intrinsic and extrinsic Dirac operators for geometry processing. *Computer Graphics Forum*, 37(5):93–106, August 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Yang:2019:CSP

[YFL19] Yang Yang, Xiao-Ming Fu, and Ligang Liu. Computing surface PolyCube-Maps by constrained voxelization. *Computer Graphics Forum*, 38(7):299–309, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Yang:2012:SPM

[YFW12] Wenwu Yang, Jieqing Feng, and Xun Wang. Shape processing and modeling: Structure preserving manipulation and interpolation for multi-element 2D shapes. *Computer Graphics Forum*, 31(7pt2):2249–2258, September 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Yin:2011:NQP

[YFWR11] Xuetao Yin, John Femiani, Peter Wonka, and Anshuman Razdan. A new QEM for parametrization of raster images. *Computer Graphics Forum*, 30(8):2440–2451, December 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Yan:2014:MNF

[YGCO+14] Feilong Yan, Minglun Gong, Daniel Cohen-Or, Oliver Deussen, and Baoquan Chen. Men and nature: Flower reconstruction from a single photo. *Computer Graphics Forum*, 33(2):439–447, May 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Yan:2014:MBN

[YGJ+14] Dong-Ming Yan, Jianwei Guo, Xiaohong Jia, Xiaopeng Zhang, and Peter Wonka. Meshing: Blue-noise remeshing with farthest point optimization. *Computer Graphics Forum*, 33(5):167–176, August 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Yang:2013:GST

[YH13] Yong-Liang Yang and Qi-Xing Huang. Geometry (session 1): TrayGen: Arranging objects for exhibition and packaging. *Computer Graphics Forum*, 32(7):187–195, October 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Yang:2010:SOI

[YHGT10] Jason C. Yang, Justin Hensley, Holger Grün, and Nicolas Thibieroz. Shadows and order independent transparency: Real-time concurrent linked list construction on the GPU. *Computer Graphics Forum*, 29(4):1297–1304, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Yin:2016:FPR

[YHL+16] Kangxue Yin, Hui Huang, Pinxin Long, Alexei Gaissinski, Minglun Gong, and Andrei Sharf. Full 3D plant reconstruction via intrusive acquisition. *Computer Graphics Forum*, 35 (1):272–284, February 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Yang:2010:FDO

[YI10] Y. Yang and I. Ivrissimtzis. FEM and differential operators: Polygonal mesh watermarking using Laplacian coordinates. *Computer Graphics Forum*, 29(5):1585–1593, July 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Yue:2011:LRT

[YIC+11] Yonghao Yue, Kei Iwasaki, Bing-Yu Chen, Yoshinori Dobashi, and Tomoyuki Nishita. Lighting & rendering: Toward optimal space partitioning for unbiased, adaptive free path sampling of inhomogeneous participating media. *Computer Graphics Forum*, 30(7):1911–1919, September 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Yue:2012:MSP

[YIC+12] Yonghao Yue, Kei Iwasaki, Bing-Yu Chen, Yoshinori Dobashi, and Tomoyuki Nishita. Making and shadowing: Pixel art with refracted light by rearrangeable sticks. *Computer Graphics Forum*, 31(2pt3):575–582, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Yang:2018:MGV

[YJD+18] Yalong Yang, Bernhard Jenny, Tim Dwyer, Kim Marriott, Haohui Chen, and Maxime Cordeil. Maps and globes in virtual reality. *Computer Graphics Forum*, 37(3):427–438, June 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Yang:2012:NPR

[YKM12] Heekyung Yang, Yunmi Kwon, and Kyungha Min. Non-photorealistic rendering: a stylized approach for pencil drawing from photographs. *Computer Graphics Forum*, 31(4):1471–1480, June 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Yau:2019:BDA

[YKS+19] C. Yau, M. Karimzadeh, C. Surakitbanharn, N. Elmqvist, and D. S. Ebert. Bridging the data analysis communication gap utilizing a three-component summarized line graph. *Computer Graphics Forum*, 38(3):375–386, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ye:2010:MSS

[YL10] Yuting Ye and C. Karen Liu. Motion synthesis: Synthesis of responsive motion using a dynamic model. *Computer Graphics Forum*, 29(2):555–562, May 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Yu:2011:MSP

[YL11] W. Yu and X. Li. Mesh segmentation & processing: Computing 3D shape guarding and star decomposition. *Computer Graphics Forum*, 30(7):2087–2096, September 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Yan:2018:MSI

[YLCH18] X. Yan, C-F. Li, X-S. Chen, and S-M. Hu. MPM simulation of interacting fluids and solids. *Computer Graphics Forum*, 37(8): 183–193, December 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ye:2018:SIS

[YLD+18] Wenjie Ye, Xiao Li, Yue Dong, Pieter Peers, and Xin Tong. Single image surface appearance modeling with self-augmented CNNs and inexact supervision. *Computer Graphics Forum*, 37 (7):201–211, October 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Yi:2018:TGM

[YLG+18] Lei Yi, Hongjun Li, Jianwei Guo, Oliver Deussen, and Xiaopeng Zhang. Tree growth modelling constrained by growth equations. *Computer Graphics Forum*, 37(1):239–253, February 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Yuan:2014:MCC

[YLH+14] Chunqiang Yuan, Xiaohui Liang, Shiyu Hao, Yue Qi, and Qinping Zhao. Modelling Cumulus cloud shape from a single image. *Computer Graphics Forum*, 33(6):288–297, September 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Yang:2012:AIR

[YLHQ12] Lipeng Yang, Shuai Li, Aimin Hao, and Hong Qin. Animation and interaction: Realtime two-way coupling of meshless fluids and nonlinear FEM. *Computer Graphics Forum*, 31(7pt1): 2037–2046, September 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Yang:2014:PDH

[YLHQ14] Lipeng Yang, Shuai Li, Aimin Hao, and Hong Qin. Particles and deformation: Hybrid particle-grid modeling for multi-scale droplet/spray simulation. *Computer Graphics Forum*, 33(7): 199–208, October 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Yoo:2015:CTC

[YLL15] M.-J. Yoo, I.-K. Lee, and S. Lee. Colors and textures: Color sequence preserving decolorization. *Computer Graphics Forum*, 34(2):373–383, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Yang:2015:RSN

[YLLL15] Jingyu Yang, Ke Li, Kun Li, and Yu-Kun Lai. Registration: Sparse non-rigid registration of 3D shapes. *Computer Graphics Forum*, 34(5):89–99, August 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Yu:2010:VPA

[YLRC10] Li Yu, Aidong Lu, William Ribarsky, and Wei Chen. Visualization and perception: Automatic animation for time-varying data visualization. *Computer Graphics Forum*, 29(7):2271–2280, September 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Yuksel:2019:RTM

[YLT19] Cem Yuksel, Sylvain Lefebvre, and Marco Tarini. Rethinking texture mapping. *Computer Graphics Forum*, 38(2):535–551, May 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Yuan:2016:GMS

[YLX+16] Qing Yuan, Guiqing Li, Kai Xu, Xudong Chen, and Hui Huang. Geometric modeling: Space–time co-segmentation of articulated point cloud sequences. *Computer Graphics Forum*, 35 (2):419–429, May 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Ye:2017:SAU

[YMJ+17] Juntao Ye, Guanghui Ma, Liguo Jiang, Lan Chen, Jituo Li, Gang Xiong, Xiaopeng Zhang, and Min Tang. Simulation and animation: a unified cloth untangling framework through discrete collision detection. *Computer Graphics Forum*, 36(7): 217–228, October 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Yan:2010:VPP

[YMM10] S. Yan, N. Max, and K.-L. Ma. Visualization and perception: Polygonal surface advection applied to strange attractors. *Computer Graphics Forum*, 29(7):2281–2290, September 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Yu:2010:MPM

[YMS10] J. Yu, L. McMillan, and P. Sturm. Multi-perspective modelling, rendering and imaging. *Computer Graphics Forum*, 29(1):227–246, March 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Yoshiyasu:2014:MCP

[YMYK14] Yusuke Yoshiyasu, Wan-Chun Ma, Eiichi Yoshida, and Fumio Kanehiro. Maps: As-conformal-as-possible surface registration. *Computer Graphics Forum*, 33(5):257–267, August 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Younesy:2013:AIA

[YNM+13] H. Younesy, C. B. Nielsen, T. Möller, O. Alder, R. Cullum, M. C. Lorincz, M. M. Karimi, and S. J. M. Jones. Applications: an interactive analysis and exploration tool for epigenomic data. *Computer Graphics Forum*, 32(3pt1):91–100, June 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Yen:2019:EUS

[YPF19] Chi-Hsien Eric Yen, Aditya Parameswaran, and Wai-Tat Fu. An exploratory user study of visual causality analysis. *Computer Graphics Forum*, 38(3):173–184, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Yu:2019:FSS

[YPL19] Ri Yu, Hwangpil Park, and Jehee Lee. Figure skating simulation from video. *Computer Graphics Forum*, 38(7):225–234, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Yan:2019:FBC

[YS19] Z. Yan and S. Schaefer. A family of barycentric coordinates for co-dimension 1 manifolds with simplicial facets. *Computer Graphics Forum*, 38(5):75–83, August 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Yang:2018:FSF

[YSC+18] Wenwu Yang, Hock-Soon Seah, Quan Chen, Hong-Ze Liew, and Daniel Sýkora. FTP-SC: Fuzzy topology preserving stroke correspondence. *Computer Graphics Forum*, 37(8):125–135, December 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Yan:2019:PDV

[YSM19] Dingkun Yan, Yun Sheng, and Xiaoyang Mao. Pencil drawing video rendering using convolutional networks. *Computer Graphics Forum*, 38(7):91–102, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Yuksel:2015:SSS

[Yuk15] Cem Yuksel. Sampling & skins: Sample elimination for generating Poisson disk sample sets. *Computer Graphics Forum*, 34(2):25–32, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Yao:2010:ILA

[YWC+10] Chunhui Yao, Bin Wang, Bin Chan, Junhai Yong, and Jean-Claude Paul. Indirect lighting and ambient occlusion: Multi-image based photon tracing for interactive global illumination of dynamic scenes. *Computer Graphics Forum*, 29(4):1315–1324, June 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Yang:2019:CPB

[YWF+19] B. Yang, T. Wei, X. Fang, Z. Deng, F. W. B. Li, Y. Ling, and X. Wang. A color-pair based approach for accurate color harmony estimation. *Computer Graphics Forum*, 38(7):481–490, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Yuan:2018:RSS

[YWHB18] Yazhen Yuan, Rui Wang, Tianlei Hu, and Hujun Bao. Runtime shader simplification via instant search in reduced optimization space. *Computer Graphics Forum*, 37(4):143–154, July 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Yang:2015:FRS

[YWM15] Yong-Liang Yang, Jun Wang, and Niloy J. Mitra. Fabrication: Reforming shapes for material-aware fabrication. *Computer Graphics Forum*, 34(5):53–64, August 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Yates:2014:DRV

[YWS+14] A. Yates, A. Webb, M. Sharpnack, H. Chamberlin, K. Huang, and R. Machiraju. Data relationships: Visualizing multidimensional data with glyph SPLOMs. *Computer Graphics Forum*, 33(3):301–310, June 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Yu:2012:VSE

[YWTY12] Jihun Yu, Chris Wojtan, Greg Turk, and Chee Yap. Visualization and simulation: Explicit mesh surfaces for particle based fluids. *Computer Graphics Forum*, 31(2pt4):815–824, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Yu:2010:RRT

[YWY10] Xuan Yu, Rui Wang, and Jingyi Yu. Rendering: Real-time depth of field rendering via dynamic light field generation and filtering. *Computer Graphics Forum*, 29(7):2099–2107, September 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Yang:2018:UAV

[YXHH18] Hao Yang, Ke Xie, Shengqiu Huang, and Hui Huang. Uncut aerial video via a single sketch. *Computer Graphics Forum*, 37 (7):191–199, October 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Yan:2014:CIF

[YXX14] Qingan Yan, Zhan Xu, and Chunxia Xiao. Color and imaging: Fast feature-oriented visual connection for large image collections. *Computer Graphics Forum*, 33(7):339–348, October 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Yang:2018:DDM

[YYG18] Baorong Yang, Junfeng Yao, and Xiaohu Guo. DMAT: Deformable medial axis transform for animated mesh approximation. *Computer Graphics Forum*, 37(7):301–311, October 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Yan:2016:MIG

[YYL+16] Qingan Yan, Long Yang, Chao Liang, Huajun Liu, Ruimin Hu, and Chunxia Xiao. Matching and interpolation: Geometrically based linear iterative clustering for quantitative feature correspondence. *Computer Graphics Forum*, 35(7):1–10, October 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Yang:2018:CSS

[YYZZ18] Lingchen Yang, Lumin Yang, Mingbo Zhao, and Youyi Zheng. Controlling stroke size in fast style transfer with recurrent convolutional neural network. *Computer Graphics Forum*, 37(7): 97–107, October 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Yuan:2018:CDT

[YZC18] Ye Yuan, Changxi Zheng, and Stelian Coros. Computational design of transformables. *Computer Graphics Forum*, 37(8): 103–113, December 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Yao:2017:CSS

[YZL17] Guilin Yao, Zhijie Zhao, and Shaohui Liu. A comprehensive survey on sampling-based image matting. *Computer Graphics Forum*, 36(8):613–628, December 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Yan:2012:RST

[YZXW12] Ling-Qi Yan, Yahan Zhou, Kun Xu, and Rui Wang. Rendering systems and techniques: Accurate translucent material rendering under spherical Gaussian lights. *Computer Graphics Forum*, 31(7pt2):2267–2276, September 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zirr:2015:FVV

[ZAD15] Tobias Zirr, Marco Ament, and Carsten Dachsbacher. Flow visualization: Visualization of coherent structures of light transport. *Computer Graphics Forum*, 34(3):491–500, June 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhang:2016:TDD

[ZAM+16] Jiawei Zhang, Benjamin Ahlbrand, Abish Malik, Junghoon Chae, Zhiyu Min, Sungahn Ko, and David S. Ebert. Text and document data: a visual analytics framework for microblog data analysis at multiple scales of aggregation. *Computer Graphics Forum*, 35(3):441–450, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhang:2017:TBL

[ZBM+17] Xiaopeng Zhang, Guanbo Bao, Weiliang Meng, Marc Jaeger, Hongjun Li, Oliver Deussen, and Baoquan Chen. Tree branch level of detail models for forest navigation. *Computer Graphics Forum*, 36(8):402–417, December 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zanni:2013:SII

[ZBQC13] C. Zanni, A. Bernhardt, M. Quiblier, and M.-P. Cani. SCALe-invariant integral surfaces. *Computer Graphics Forum*, 32(8):219–232, December 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zimmer:2011:QSF

[ZBW11] Henning Zimmer, Andrés Bruhn, and Joachim Weickert. Quality and scalability: Freehand HDR imaging of moving scenes with simultaneous resolution enhancement. *Computer Graphics Forum*, 30(2):405–414, April 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhou:2018:KTS

[ZC18] Bo Zhou and Yi-Jen Chiang. Key time steps selection for large-scale time-varying volume datasets using an information-theoretic storyboard. *Computer Graphics Forum*, 37(3):37–49, June 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zimmer:2012:MSR

[ZCBK12] Henrik Zimmer, Marcel Campen, David Bommes, and Leif Kobbelt. Making and shadowing: Rationalization of triangle-based point-folding structures. *Computer Graphics Forum*, 31 (2pt3):611–620, May 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhang:2014:EBP

[ZCC14] Xiaoyan Zhang, Martin Constable, and Kap Luk Chan. Exemplar-based portrait photograph enhancement as informed by portrait paintings. *Computer Graphics Forum*, 33(8):38–51, December 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhou:2013:IPS

[ZCF+13] Bin Zhou, Xiaowu Chen, Qiang Fu, Kan Guo, and Ping Tan. Image processing (session 2): Garment modeling from a single image. *Computer Graphics Forum*, 32(7):85–91, October 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhang:2017:ODV

[ZCH+17] C. Zhang, M. W. A. Caan, T. Höllt, E. Eisemann, and A. Vilanova. Overview + detail visualization for ensembles of diffusion tensors. *Computer Graphics Forum*, 36(3):121–132, June 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhao:2017:COI

[ZCK17] X. Zhao, M. G. Choi, and T. Komura. Character-object interaction retrieval using the interaction bisector surface. *Computer Graphics Forum*, 36(2):119–129, May 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhao:2018:MFC

[ZCL18] Nanxuan Zhao, Ying Cao, and Rynson W. H. Lau. Modeling fonts in context: Font prediction on Web designs. *Computer Graphics Forum*, 37(7):385–395, October 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zheng:2014:SCF

[ZCOAM14] Youyi Zheng, Daniel Cohen-Or, Melinos Averkiou, and Niloy J. Mitra. Shape collections, features: Recurring part arrangements in shape collections. *Computer Graphics Forum*, 33 (2):115–124, May 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zheng:2013:SCS

[ZCOM13] Youyi Zheng, Daniel Cohen-Or, and Niloy J. Mitra. Shape construction: Smart variations: Functional substructures for part compatibility. *Computer Graphics Forum*, 32(2pt2):195–204, May 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhao:2018:CSR

[ZCT18] M. Zhao, W. Cai, and S. J. Turner. CLUST: Simulating realistic crowd behaviour by mining pattern from crowd videos. *Computer Graphics Forum*, 37(1):184–201, February 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zeng:2015:ISH

[ZCW$^+$15] Qiong Zeng, Wenzheng Chen, Huan Wang, Changhe Tu, Daniel Cohen-Or, Dani Lischinski, and Baoquan Chen. Images & scenes: Hallucinating stereoscopy from a single image. *Computer Graphics Forum*, 34(2):1–12, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhao:2019:OOI

[ZCW$^+$19] Xun Zhao, Weiwei Cui, Yanhong Wu, Haidong Zhang, Huamin Qu, and Dongmei Zhang. Oui! Outlier interpretation on multidimensional data via visual analytics. *Computer Graphics Forum*, 38(3):213–224, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhou:2019:AGV

[ZCX19] J. Zhou, X. Chen, and Y. Xu. Automatic generation of vivid LEGO architectural sculptures. *Computer Graphics Forum*, 38 (6):31–42, September 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhang:2013:IPS

[ZCZL13] J. Zhang, X. H. Chen, Y. Zhao, and H. Li. Image processing (session 6): an efficient and scalable image filtering framework using VIPS fusion. *Computer Graphics Forum*, 32(7):391–400, October 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhao:2016:RDA

[ZDJ16] Yandan Zhao, Hui Du, and Xiaogang Jin. Recognition-difficulty-aware hidden images based on clue-map. *Computer Graphics Forum*, 35(8):80–94, December 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhang:2014:BTP

[ZDM+14] L. Zhang, Q. Deng, R. Machiraju, A. Rangarajan, D. Thompson, D. K. Walters, and H.-W. Shen. Boosting techniques for physics-based vortex detection. *Computer Graphics Forum*, 33 (1):282–293, February 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhang:2015:SMG

[ZDZ+15] Wangyu Zhang, Bailin Deng, Juyong Zhang, Sofien Bouaziz, and Ligang Liu. Shape and mesh: Guided mesh normal filtering. *Computer Graphics Forum*, 34(7):23–34, October 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zeng:2016:VWC

[ZFA+16] W. Zeng, C.-W. Fu, S. Müller Arisona, A. Erath, and H. Qu. Visualizing waypoints-constrained origin-destination patterns for massive transportation data. *Computer Graphics Forum*, 35(8):95–107, December 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zeng:2013:STV

[ZFAQ13] Wei Zeng, Chi-Wing Fu, Stefan Müller Arisona, and Huamin Qu. Space and time: Visualizing interchange patterns in massive movement data. *Computer Graphics Forum*, 32(3pt3):271–280, June 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zheng:2011:SMM

[ZFCO+11] Youyi Zheng, Hongbo Fu, Daniel Cohen-Or, Oscar Kin-Chung Au, and Chiew-Lan Tai. Shape matching and manipulation: Component-wise controllers for structure-preserving shape manipulation. *Computer Graphics Forum*, 30(2):563–572, April 2011. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhang:2016:TMR

[ZFE16] L. Zhang, S. Fenney, and F. Escribano. Textures/mapping: Real-time texture synthesis and concurrent random-access rendering for low-cost GPU chip design. *Computer Graphics Forum*, 35(7):87–95, October 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zheng:2017:RBF

[ZFG+17] Qian Zheng, Xiaochen Fan, Minglun Gong, Andrei Sharf, Oliver Deussen, and Hui Huang. 4D reconstruction of blooming flowers. *Computer Graphics Forum*, 36(6):405–417, September 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhu:2016:IPN

[ZFJ+16] Lei Zhu, Chi-Wing Fu, Yueming Jin, Mingqiang Wei, Jing Qin, and Pheng-Ann Heng. Image processing: Non-local sparse and low-rank regularization for structure-preserving image smoothing. *Computer Graphics Forum*, 35(7):217–226, October 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhang:2012:IEP

[ZH12] Lei Zhang and Hua Huang. Image editing and processing: Hierarchical narrative collage for digital photo album. *Computer Graphics Forum*, 31(7pt2):2173–2181, September 2012.

CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhou:2014:BIG

[ZH14] L. Zhou and C. Hansen. BioMedical II: GuideME: Slice-guided semiautomatic multivariate exploration of volumes. *Computer Graphics Forum*, 33(3):151–160, June 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zirr:2018:RWF

[ZHD18] Tobias Zirr, Johannes Hanika, and Carsten Dachsbacher. Reweighting firefly samples for improved finite-sample Monte Carlo estimates. *Computer Graphics Forum*, 37(6):410–421, September 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zheng:2015:SMS

[ZHH+15] Qian Zheng, Zhuming Hao, Hui Huang, Kai Xu, Hao Zhang, Daniel Cohen-Or, and Baoquan Chen. Shape manipulation: Skeleton-intrinsic symmetrization of shapes. *Computer Graphics Forum*, 34(2):275–286, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhu:2015:RAA

[ZHK15] Lifeng Zhu, Xiaoyan Hu, and Ladislav Kavan. Reconstruction: Adaptable anatomical models for realistic bone motion reconstruction. *Computer Graphics Forum*, 34(2):459–471, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhang:2018:BTM

[ZHLW18] Zhuming Zhang, Xinghong Hu, Xueting Liu, and Tien-Tsin Wong. Binocular tone mapping with improved overall contrast and local details. *Computer Graphics Forum*, 37(7):433–442, October 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhai:2017:IMI

[ZHQH17] Xiao Zhai, Fei Hou, Hong Qin, and Aimin Hao. Inverse modelling of incompressible gas flow in subspace. *Computer Graphics Forum*, 36(6):100–111, September 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhu:2013:GSS

[ZIM13] L. Zhu, T. Igarashi, and J. Mitani. Geometry (session 1): Soft folding. *Computer Graphics Forum*, 32(7):167–176, October 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhou:2018:CIT

[ZJ18] Qingnan Zhou and Alec Jacobson. 2018 cover image: Thingi10K. *Computer Graphics Forum*, 37(1):451–452, February 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zou:2013:MAT

[ZJC13] Ming Zou, Tao Ju, and Nathan Carr. Meshing: an algorithm for triangulating multiple 3D polygons. *Computer Graphics Forum*, 32(5):157–166, August 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zwicker:2015:SAR

[ZJL+15] M. Zwicker, W. Jarosz, J. Lehtinen, B. Moon, R. Ramamoorthi, F. Rousselle, P. Sen, C. Soler, and S.-E. Yoon. State of the art reports: Recent advances in adaptive sampling and reconstruction for Monte Carlo rendering. *Computer Graphics Forum*, 34(2):667–681, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhou:2016:FDS

[ZKWG16] Yahan Zhou, Evangelos Kalogerakis, Rui Wang, and Ian R. Grosse. Fabrication: Direct shape optimization for strengthening 3D printable objects. *Computer Graphics Forum*, 35(7): 333–342, October 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zheng:2016:ESD

[ZLDM16] Youyi Zheng, Han Liu, Julie Dorsey, and Niloy J. Mitra. Editing, sketch & drawing: Smart Canvas: Context-inferred interpretation of sketches for preparatory design studies. *Computer Graphics Forum*, 35(2):37–48, May 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhou:2013:ASI

[ZLKW13] Yahan Zhou, Zhaoliang Lun, Evangelos Kalogerakis, and Rui Wang. Animation (session 2): Implicit integration for particle-based simulation of elasto-plastic solids. *Computer Graphics Forum*, 32(7):215–223, October 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhou:2013:SES

[ZLL13] Shizhe Zhou, Anass Lasram, and Sylvain Lefebvre. Synthesis: By-example synthesis of curvilinear structured patterns. *Computer Graphics Forum*, 32(2pt3):355–360, May 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhang:2015:SVQ

[ZLM+15] Tianxiang Zhang, Sheng Li, Dinesh Manocha, Guoping Wang, and Hanqiu Sun. Simulation and visualization: Quadratic contact energy model for multi-impact simulation. *Computer Graphics Forum*, 34(7):133–144, October 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhang:2016:SCP

[ZLMM16] Y. Zhang, W. Luo, E. A. Mack, and R. Maciejewski. Structures, clusters, and patterns: Visualizing the impact of geographical variations on multivariate clustering. *Computer Graphics Forum*, 35(3):101–110, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhang:2017:VVP

[ZLSW17] Xuaner Zhang, Joon-Young Lee, Kalyan Sunkavalli, and Zhaowen Wang. Video and visualization: Photometric stabilization for fast-forward videos. *Computer Graphics Forum*, 36 (7):105–113, October 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhu:2015:EBM

[ZLW15] Fei Zhu, Sheng Li, and Guoping Wang. Example-based materials in Laplace–Beltrami shape space. *Computer Graphics Forum*, 34(1):36–46, February 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhang:2016:FDD

[ZLW+16] Xiaoting Zhang, Xinyi Le, Zihao Wu, Emily Whiting, and Charlie C. L. Wang. Fabrication: Data-driven bending elasticity design by shell thickness. *Computer Graphics Forum*, 35 (5):157–166, August 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhao:2019:PSS

[ZLW+19] Hui Zhao, Xuan Li, Wencheng Wang, Xiaoling Wang, Shaodong Wang, Na Lei, and Xiangfeng Gu. Polycube shape space. *Computer Graphics Forum*, 38(7):311–322, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhang:2017:SAM

[ZLYL17] Zili Zhang, Xiaohui Liang, Chunqiang Yuan, and Frederick W. B. Li. Simulation and animation: Modeling cumulus cloud scenes from high-resolution satellite images. *Computer Graphics Forum*, 36(7):229–238, October 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhu:2018:GAI

[ZLZ+18] Xiaobin Zhu, Zhuangzi Li, Xiaoyu Zhang, Haisheng Li, Ziyu Xue, and Lei Wang. Generative adversarial image super-resolution through deep dense skip connections. *Computer Graphics Forum*, 37(7):289–300, October 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhang:2016:VDV

[ZM16] Y. Zhang and K.-L. Ma. Volume data visualization: Decoupled shading for real-time heterogeneous volume illumination. *Computer Graphics Forum*, 35(3):401–410, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhang:2019:DIE

[ZNZ19] Qing Zhang, Yongwei Nie, and Wei-Shi Zheng. Dual illumination estimation for robust exposure correction. *Computer Graphics Forum*, 38(7):243–252, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhang:2018:FPA

[ZOA+18] Yunjin Zhang, Marta Ortin, Victor Arellano, Rui Wang, Diego Gutierrez, and Hujun Bao. On-the-fly power-aware rendering.

Computer Graphics Forum, 37(4):155–166, July 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhi:2019:LLE

[ZOM19] Qiyu Zhi, Alvitta Ottley, and Ronald Metoyer. Linking and layout: Exploring the integration of text and visualization in storytelling. *Computer Graphics Forum*, 38(3):675–685, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhuo:2013:MFS

[ZR13] Wei Zhuo and Jarek Rossignac. Models: Fleshing: Spine-driven bending with local volume preservation. *Computer Graphics Forum*, 32(2pt3):295–304, May 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zirr:2019:DFD

[ZR19] Tobias Zirr and Tobias Ritschel. Distortion-free displacement mapping. *Computer Graphics Forum*, 38(8):53–62, November 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zimmer:2015:RTR

[ZRJ+15] Henning Zimmer, Fabrice Rousselle, Wenzel Jakob, Oliver Wang, David Adler, Wojciech Jarosz, Olga Sorkine-Hornung, and Alexander Sorkine-Hornung. Real-time rendering and filtering: Path-space motion estimation and decomposition for robust animation filtering. *Computer Graphics Forum*, 34(4):131–142, July 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zheng:2019:VEB

[ZRLS19] Boyan Zheng, Bastian Rieck, Heike Leitte, and Filip Sadlo. Visualization of equivalence in 2D bivariate fields. *Computer Graphics Forum*, 38(3):311–323, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zollhofer:2018:SAR

[ZSG+18] Michael Zollhöfer, Patrick Stotko, Andreas Görlitz, Christian Theobalt, Matthias Nießner, Reinhard Klein, and Andreas Kolb. State of the art on 3D reconstruction with RGB-D cameras. *Computer Graphics Forum*, 37(2):625–652, May 2018.

CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zeng:2019:RAE

[ZSJT19] W. Zeng, Q. Shen, Y. Jiang, and A. Telea. Route-aware edge bundling for visualizing origin-destination trails in urban traffic. *Computer Graphics Forum*, 38(3):581–593, June 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhou:2017:ACS

[ZSL+17] Yang Zhou, Huajie Shi, Dani Lischinski, Minglun Gong, Johannes Kopf, and Hui Huang. Analysis and controlled synthesis of inhomogeneous textures. *Computer Graphics Forum*, 36 (2):199–212, May 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zayer:2017:GAS

[ZSS17] Rhaleb Zayer, Markus Steinberger, and Hans-Peter Seidel. A GPU-adapted structure for unstructured grids. *Computer Graphics Forum*, 36(2):495–507, May 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zheng:2010:SMM

[ZST+10] Q. Zheng, A. Sharf, A. Tagliasacchi, B. Chen, H. Zhang, A. Sheffer, and D. Cohen-Or. Shape matching and modeling: Consensus skeleton for non-rigid space–time registration. *Computer Graphics Forum*, 29(2):635–644, May 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zadravec:2010:SSS

[ZSW10a] Mirko Zadravec, Alexander Schiftner, and Johannes Wallner. Surface and space structures: Designing quad-dominant meshes with planar faces. *Computer Graphics Forum*, 29(5):1671–1679, July 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhou:2010:GIF

[ZSW+10b] Yuanfeng Zhou, Feng Sun, Wenping Wang, Jiaye Wang, and Caiming Zhang. Geometry II: Fast updating of Delaunay triangulation of moving points by bi-cell filtering. *Computer Graphics Forum*, 29(7):2233–2242, September 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zheng:2010:SSM

[ZT10] Youyi Zheng and Chiew-Lan Tai. Shape segmentation: Mesh decomposition with cross-boundary brushes. *Computer Graphics Forum*, 29(2):527–535, May 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zollhofer:2018:SAM

[ZTG+18] M. Zollhöfer, J. Thies, P. Garrido, D. Bradley, T. Beeler, P. Pérez, M. Stamminger, M. Nießner, and C. Theobalt. State of the art on monocular 3D face reconstruction, tracking, and applications. *Computer Graphics Forum*, 37(2):523–550, May 2018. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhang:2012:IHS

[ZTW+12] Qing Zhang, Jing Tong, Huamin Wang, Zhigeng Pan, and Ruigang Yang. Imaging and hair: Simulation guided hair dynamics modeling from video. *Computer Graphics Forum*, 31 (7pt1):2003–2010, September 2012. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhang:2010:SMP

[ZVD10] H. Zhang, O. Van Kaick, and R. Dyer. Spectral mesh processing. *Computer Graphics Forum*, 29(6):1865–1894, September 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zukic:2014:RDS

[ZVE+14] Dženan Zukić, Aleš Vlasák, Jan Egger, Daniel Hořínek, Christopher Nimsky, and Andreas Kolb. Robust detection and segmentation for diagnosis of vertebral diseases using routine MR images. *Computer Graphics Forum*, 33(6):190–204, September 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhang:2010:SSM

[ZWC+10] Juyong Zhang, Chunlin Wu, Jianfei Cai, Jianmin Zheng, and Xue cheng Tai. Shape segmentation: Mesh snapping: Robust interactive mesh cutting using fast geodesic curvature flow. *Computer Graphics Forum*, 29(2):517–526, May 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zielasko:2016:NGI

[ZWHK16] D. Zielasko, B. Weyers, B. Hentschel, and T. W. Kuhlen. Networks and graphs 1: Interactive 3D force-directed edge bundling. *Computer Graphics Forum*, 35(3):51–60, June 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhang:2019:CAR

[ZWJ+19] Yu-Wei Zhang, Jing Wu, Zhongping Ji, Mingqiang Wei, and Caiming Zhang. Computer-assisted relief modelling: a comprehensive survey. *Computer Graphics Forum*, 38(2):521–534, May 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhao:2014:ALL

[ZWRH14] Kaiyu Zhao, Matthew O. Ward, Elke A. Rundensteiner, and Huong N. Higgins. Applications: LoVis: Local pattern visualization for model refinement. *Computer Graphics Forum*, 33 (3):331–340, June 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhang:2017:SOT

[ZWXL17] Junsong Zhang, Yu Wang, Weiyi Xiao, and Zhenshan Luo. Synthesizing ornamental typefaces. *Computer Graphics Forum*, 36 (1):64–75, January 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhu:2013:GSC

[ZWY+13] Lei Zhu, Mingqiang Wei, Jinze Yu, Weiming Wang, Jing Qin, and Pheng-Ann Heng. Geometry (session 2): Coarse-to-fine normal filtering for feature-preserving mesh denoising based on isotropic subneighborhoods. *Computer Graphics Forum*, 32(7): 371–380, October 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhou:2010:SDA

[ZXTD10] Kun Zhou, Weiwei Xu, Yiying Tong, and Mathieu Desbrun. Shape deformation and animation: Deformation transfer to multi-component objects. *Computer Graphics Forum*, 29(2): 319–325, May 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhu:2019:SSM

[ZXW19] Junqiu Zhu, Yanning Xu, and Lu Wang. A stationary SVBRDF material modeling method based on discrete microsurface. *Computer Graphics Forum*, 38(7):745–754, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhao:2017:SCT

[ZXZ+17] Haiming Zhao, Weiwei Xu, Kun Zhou, Yin Yang, Xiaogang Jin, and Hongzhi Wu. Stress-constrained thickness optimization for shell object fabrication. *Computer Graphics Forum*, 36(6):368–380, September 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhu:2010:SCP

[ZYF10] Bo Zhu, Xubo Yang, and Ye Fan. Simulation: Creating and preserving vortical details in SPH fluid. *Computer Graphics Forum*, 29(7):2207–2214, September 2010. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhang:2013:GSS

[ZYF13] Zhiyuan Zhang, KangKang Yin, and Kelvin W. C. Foong. Geometry (session 2): Symmetry robust descriptor for non-rigid surface matching. *Computer Graphics Forum*, 32(7):355–362, October 2013. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zheng:2017:NDD

[ZZ17] Quan Zheng and Changwen Zheng. NeuroLens: Data-driven camera lens simulation using neural networks. *Computer Graphics Forum*, 36(8):390–401, December 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zheng:2019:LIS

[ZZ19] Quan Zheng and Matthias Zwicker. Learning to importance sample in primary sample space. *Computer Graphics Forum*, 38(2):169–179, May 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhuang:2014:SCA

[ZZCJ14] Yixin Zhuang, Ming Zou, Nathan Carr, and Tao Ju. Shapes and cryptography: Anisotropic geodesics for live-wire mesh segmentation. *Computer Graphics Forum*, 33(7):111–120, October 2014. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhang:2015:IVE

[ZZH15] Lei Zhang, Yu-Hang Zhang, and Hua Huang. Image and video: Efficient variational light field view synthesis for making stereoscopic 3D images. *Computer Graphics Forum*, 34(7):183–191, October 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhu:2017:DEM

[ZZL$^+$17] Fei Zhu, Jing Zhao, Sheng Li, Yong Tang, and Guoping Wang. Dynamically enriched MPM for invertible elasticity. *Computer Graphics Forum*, 36(6):381–392, September 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhang:2017:VVV

[ZZLX17] Ling Zhang, Yao Zhu, Bin Liao, and Chunxia Xiao. Video and visualization: Video shadow removal using spatio-temporal illumination transfer. *Computer Graphics Forum*, 36(7):125–134, October 2017. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhang:2015:BMR

[ZZT15] Wenjing Zhang, Jianmin Zheng, and Nadia Magnenat Thalmann. Bodies in motion: Real-time subspace integration for example-based elastic material. *Computer Graphics Forum*, 34 (2):395–404, May 2015. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zhang:2016:FAB

[ZZWC16] Yu-Wei Zhang, Caiming Zhang, Wenping Wang, and Yanzhao Chen. Fabrication: Adaptive bas-relief generation from 3D object under illumination. *Computer Graphics Forum*, 35(7): 311–321, October 2016. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).

Zheng:2019:ASU

[ZZZ$^+$19] Lintao Zheng, Chenyang Zhu, Jiazhao Zhang, Hang Zhao, Hui Huang, Matthias Niessner, and Kai Xu. Active scene understanding via online semantic reconstruction. *Computer Graph-*

ics Forum, 38(7):103–114, October 2019. CODEN CGFODY. ISSN 0167-7055 (print), 1467-8659 (electronic).