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2019 [HC19]. 20s [KVE16].

Abstract [SNW16, ZZ13]. **Abstraction** [SGHL⁺19]. **abstractions** [MMS13].
Acceleration [RKS16]. **accelerations** [BSPB10]. **Acceptability** [MP20]. **acoustic** [FR08, LZG⁺13]. **Acquisition** [GHS⁺20].
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1994 [Bar05a]. **1996** [FTB05, WK05b].
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Better [IOYK19]. **between** [NGJT13, PD17, SNW16, WNW+07]. **bias** [HCS10]. **bidirectional** [FCH09]. **Big** [JSCR+15]. **Bimodal** [BGW11, BSVDD10]. **binning** [ECOG11]. **Biological** [NOSS17]. **Biomechanics** [JLS+17]. **Biometric** [RKS16, KHJK13]. **Biometrics** [KHKP15]. **blending** [CLR12]. **Blind** [RSM+15]. **blinks** [TCMH11]. **Blur** [SK16, BJK13, LFM12, NCSG11]. **board** [WBN+11]. **bodies** [MEDO09]. **Body** [GFD+15, KHW+15, KSLM15, BWG12, MJH+09, MJM+09, NGJT13]. **body-worn** [BWG12]. **Bonebright** [BM05]. **both** [NAB+11]. **Bouncing** [DFJ+20]. **Braille** [LPHL05]. **Brain** [VCA16]. **Brain-Computer** [VCA16]. **Brewster** [Bre05]. **Brightness** [CKAD18]. **browsing** [Fer05, LZG+13]. **Brungart** [BS05a]. **bumps** [LBT08, VVHV10]. **Button** [KBL14].

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D [AW15, AWR18, BSW10, BSHW14, EBPJ16, GLT05b, GVC⁺17, HOH15, HAHG17, JDR08, KPSL10, KHJK13, LPR06, LDDR18, Lav09, OR04, Ste15, SK16, VSKL17, WPDH14, WBNF06]. **Data** [BMGC05, BH17, FBT05, NW08, Bar05b, FTB05, HDH10, LME10, MP09]. **data-driven** [HDH10]. **datasets** [HR05a]. **Day** [KRV⁺14]. **Day-for-Night** [KRV⁺14]. **Daylighting** [MMSO15]. **Decisions** [FKM17]. **Decreases** [JWA19]. **definition** [HMS09]. **Deformation** [KFSN16, AJML13, LPHL05]. **Degraded** [TCGC19]. **degree** [ZLO13]. **Delay** [SXCS15]. **Density** [WKM⁺15, NW08]. **dependencies** [VCR08]. **depiction** [WBNF06]. **Depth** [AWR18, HOH15, HAHG17, JWA19, Kaw19, WRHS18, ZOH⁺15, EML13, HHL10, KMHO13, WP10, YBC13]. **Depth-based** [JWA19]. **Depth-Enhanced** [HAHG17]. **Depth-of-Field** [WRHS18]. **derive** [BSW10]. **Description** [CBB⁺14]. **Design** [BCD15, BMB19, KHH17, BC05, EM05a, EM05b, GMT09, RDF11, WK05b, WMVO05]. **designing** [AMR06]. **Desktop** [FTB05, FBT05]. **desynchronization** [MEDO09]. **detail** [PDZ05]. **Detection** [MGM16, NJS06, PMS17, VCA16, GDBP13, KSM⁺05, LZG⁺13, WMA12, WMS08]. **Determine** [CKWB05]. **Development** [HJ07]. **device** [LKTH06, SHBK05]. **Devices** [MSHLR16, AAM08]. **diagrams** [WB04]. **Difference** [DCRS15, LPT⁺06]. **Differences** [RNLH16, RPH10, FCH⁺07, TGT⁺09, ZCRTW12]. **Different** [BYB18, JAA⁺16, TMM17, TSC13]. **differently** [ZNWK12]. **Difficulty** [PK20]. **Diffuse** [TGG⁺20]. **Dimensional** [LZL17, HR05a, WMVO05]. **Dimensions** [TGG⁺20, WM08]. **direct** [FM05]. **direction** [BSH⁺06, MBG09, PI08]. **Discerning** [KDK⁺16]. **Discrete** [MW15]. **Discrimination** [RM16, SK16, TSRD07, BSH⁺06, HJ07, VGBF10]. **Dismounted** [GHS⁺20]. **Disparity** [KRV⁺14, CLR10]. **Displacement** [KBP⁺13, MGM16, DFZ⁺05]. **Display** [IOYK19, LPHL05, Bar05a, Bar05b, BS05b, BS05a, DFZ⁺05, EML13, GDBP13, GBLR10, HJ07, KW05, SCS05, WMVO05, WCCRT09]. **Displays** [BSH18, HOH15, HAHG17, JWA19, LLBM15, MD05, MGVM16, NMVRB20, SWA14, WPDH14, WRHS18, BM05, CLR10, HHL10, LFM12, MLK⁺06, PCK08, SCSS05, WK05a, ZNWK12]. **distal** [RTPG11]. **Distance** [AL15, BYB18, KCK⁺18, LWK18, MD05, PKCR05, FR08, FLKB07, GNP⁺10, KTCR09, NAB⁺11, NZG⁺11, RBCK12, SCRTW05, WCCRT09, ZNWK12]. **Distances** [LLBM15]. **Distinctiveness**

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Engine [PMS17]. **enhance** [RVSP09]. **Enhanced** [HAHG17, BC05, Bre05]. **Enhancement** [ABK⁺15, MI07]. **Enhancing** [KSM⁺05, PCK08, ZAAC12]. **enough** [ONS12]. **entities** [SMS13]. **Entropy** [KDS⁺15, ZZ13]. **Environment** [AL15, GATM18, JOY⁺18, RSM⁺15, APP07, LRSR10, MTCR⁺07, MRT⁺10, RPH10, WBN⁺11]. **Environments** [BSHW14, BYB18, EBPJ16, HHNOP19, JKB17, LRB15, RBC14, RRM⁺16, SXCS15, BB13, BSVDD10, FFW07, FCH⁺07, FLKB07, GNP⁺10, HBW11, JWB12, KBP⁺13, KCRT08, LPO09, LBWP07, MBCW10, MC05, NAB⁺11, NZG⁺11, PK07, PI08, PKCR05, RBCK12, SCRTW05, SAB07, SGS⁺11, WCCRT09, WNW⁺07]. **error** [LPO09]. **errors** [RO09]. **Establishing** [TUG⁺20]. **estimating** [RDLTS04]. **Estimation** [BYB18, FLKB07, LZL17, RNLH16, GDBP13, GNP⁺10, LXXB10, NW08, RLH⁺08]. **Estimations** [RNLH16]. **EuroHaptics** [HE05]. **Evaluating** [APK15, AK16, BGK17, HHO05, HCKH16, KPSL10, KYL⁺07, LCC15, MJH⁺09, RLV⁺10, WBCB08, ZCRTW12, BMGC05]. **Evaluation** [BMB19, BM05, EML13, EBPJ16, JDR08, LPT⁺06, MLK⁺06, MR18, RTSW18, VGBF10, VHBO14, WBC⁺07, WBN⁺11, ZYZ⁺17, AR08, BBD⁺09, BC05, DFZ⁺05, HJ07, HDH10, LME10, SGF⁺10]. **evaluations** [NCVW10]. **event** [LZG⁺13]. **Events** [DFJ⁺20]. **Evidence** [WAH⁺15]. **EvoFIT** [FHC04]. **evoked** [KWI09, MAYKM13]. **evolutionary** [FHC04]. **Example** [CSUN05, KHH17]. **Example-Based** [CSUN05, KHH17]. **exerting** [DFZ⁺05]. **expect** [SB12]. **experiences** [VSCM12]. **experiment** [RPH10]. **Experimental** [ARAP⁺18, WK05a]. **Experiments** [OR04, GB08, WMVO05]. **Experts** [DCRS15]. **exploiting** [HCS10].

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Expressions [CKWB05, NP15, GEMA13, KWI09, WBC⁺07, WBCB08]. **Expressive** [ZMM19, MDR10]. **Expressiveness** [DCRS15]. **extended** [ZLO13]. **Extension** [JKB17]. **extraction** [WBNF06]. **Eye** [LLBM15, PK20, RKS16, KVJG10, LFM12, LME10, MP09, NTKA12, TCMH11]. **eye-tracking** [LME10]. **Eyeball** [JDKN18]. **eyegaze** [AMR06].

Fabric [KHH17]. **Face** [FWN⁺14, NP15, VCA16, ZC06, BS06, OAD⁺12, PJN⁺11, SB12, ZLO13]. **faces** [BGL⁺08, TGJ08]. **Facial** [CXZ14, CKWB05, FKM17, HCKH16, NP15, FHC04, KWI09, NJS06, SB12, VSCM12, WBC⁺07, WBCB08]. **Facilitate** [ABK⁺15, AC11]. **facilitated** [RFR09]. **facilitation** [BGW11]. **factors** [RSPA⁺06]. **False** [AK16]. **familiarity** [ZLO13]. **fast** [ONS12]. **faster** [LZG⁺13]. **faster-than-real-time** [LZG⁺13]. **feasibility** [LPHL05]. **Feature** [BH17, GBA17, PK20, WKM⁺17, ZLQ⁺19, CKWB06]. **Feature-Based** [GBA17]. **Features** [FKM17, ZC06]. **FechDeck** [Fer19]. **Feedback** [ARAP⁺18, EBPJ16, KBL14, PTP14, AZ10, KL06, LKTH06, LBWP07]. **feedback-controlled** [LBWP07]. **Fernström** [Fer05]. **Fidelity** [APK15, HCS10, McN06, MRT⁺10]. **Field** [CKAD18, JKB17, WRHS18, ZOH⁺15, LPR06, NAB⁺11, WCCRT09]. **Field-of-View** [JKB17]. **Film** [WAH⁺15, CST⁺10]. **Films** [BH17]. **Filter** [Fau17]. **Filtering** [WRHS18]. **finger** [TSRD07]. **First** [DFZ⁺05]. **Fixations** [PHRE15, KVJG10, MP09, SMS13]. **fixed** [LPO09]. **FixTag** [MP09]. **flow** [PW10]. **Flowers** [FTB05]. **Focal** [KDK⁺16]. **Foot** [JSCR⁺15, SHBK05]. **Force** [ARAP⁺18, CWT⁺05, PTP14, BSH⁺06, DFZ⁺05, KL06, LKTH06, VGBF10]. **force-feedback** [KL06, LKTH06]. **forward** [BSPB10]. **foundations** [FRC10]. **foveal** [TGT⁺09]. **Foveated** [APLK17, WRHS18]. **Frame** [WAH⁺15]. **Frame-Rate** [WAH⁺15]. **framework** [Bar05a, Bar05b, FSG09, MMS06, YBC13]. **FrankenFolk** [OEMO16]. **frequency** [DRT07, LPEP12, ZC06]. **Friction** [IOYK19]. **frontal** [SB12]. **frowning** [SII04]. **Full** [GFD⁺15, NP15, PMS17]. **Full-Body** [GFD⁺15]. **Full-Face** [NP15]. **Functional** [WNW⁺07]. **functions** [FCH09]. **fused** [DCN⁺06]. **Fusion** [ZLQ⁺19].

gain [LPO09]. **Game** [KDCM15, PMS17]. **Games** [FKM17, BSW10]. **Gap** [JSCR⁺15]. **Gaze** [BSHW14, BH17, KDS⁺15, WPDH14, WMA12, BSW10, ENC⁺08, FCH09, HU11, KPAA10, MBG09, MDT09, NVW13, PI08, WWA11]. **gaze-based** [ENC⁺08]. **Gaze-contingent** [WMA12, MDT09]. **Gaze-to-Object** [BSHW14]. **Gazing** [SII04]. **Gender** [FCH⁺07, ZHRM15]. **Generated** [FWN⁺14, HBF16, SGHL⁺19, WBC⁺07]. **Generating** [SDBRC13]. **Generative** [KVDE19]. **Gestural** [CBB⁺14]. **Gesture** [MSHLR16, AZ10, MM13]. **gestures** [RM12]. **get** [HU11]. **Glare** [MGVM16]. **glideslope** [KPAA10]. **Global** [KPDP19, HFJS09, VSWB07]. **Glyphs** [MW15, Ste15]. **Grade** [VCA16]. **gradient** [RTPG11]. **Graph** [SMS13, WMA12]. **Graph-based** [SMS13]. **Graphics** [FL09, TUG⁺20]. **graphs** [NW08, WM08]. **Gröhn** [GLT05a]. **grounding** [YB04]. **Guest** [BO09, CRM09, FL09, Int06, Rus05, Tho07].

Guidance [GATM18]. **guided** [HCS10].
guidelines [CST⁺10].

Hair [RTSW18]. **Hand** [Fer19, RVH⁺19, WTWN16, AAM08, VGBF10]. **hand-arm** [VGBF10]. **hand-held** [AAM08]. **Handles** [SCM18]. **Handling** [MO09a]. **Haptic** [BSH⁺06, BCD15, EBPJ16, SXCS15, AJML13, CWT⁺05, CKWB06, CWB10, DKR⁺05, GEMA13, HDH10, JSHG08, KSM⁺05, LBT08, PDZ05, RFR09, SHBK05]. **HapticWalker** [SHBK05]. **Harmony** [MP20]. **HDR** [APK15, AK16, KYL⁺07, SDBRC13]. **Head** [JWA19, JKB17, LCC15, LLBM15, MD05, NMVRB20, WRHS18, JWB12, LAE09, RPH10, WCCRT09, ZNWK12].

Head-Mounted

[LLBM15, MD05, WRHS18, JWA19, NMVRB20, WCCRT09, ZNWK12].

Head-Worn [JKB17]. **Heading**

[APP07, KBL⁺06]. **Heads** [CMR⁺05].

Height [LLBM15]. **held** [AAM08].

Hermann [HR05b]. **Hero** [KHW⁺15].

heuristics [BSW10]. **High**

[APLR17, KDCM15, EML13, HCS10, HR05a, MMS06, NCVW10].

high-dimensional [HR05a].

High-Dynamic-Range [APLR17, EML13].

high-fidelity [HCS10]. **High-Level**

[KDCM15]. **Higher** [WAH⁺15].

Highlighting [KM17]. **HMD**

[BYB18, KTCR09, LRB15]. **HMD-Based**

[BYB18, LRB15]. **HMDs** [LWK18]. **holes**

[LBT08, VVHV10]. **holistic** [FHC04].

Horizon [MD05]. **HTC** [KCS17, KKC19].

HTTP [BMB19]. **HTTP-based** [BMB19].

Human [ASG⁺18, DK19, FWN⁺14, KMH⁺19, KM17, KVDE19, LDDR18, NOSS17, SK18, SNW16, TVR⁺11, DKR⁺05, ECOG11, HJO⁺10, JSG09, KVJG10, LZG⁺13, SII04, TJL⁺11, VGBF10].

Human-inspired [TVR⁺11].

Human-Machine [KM17].

Human-Perceived [LDDR18].

Human-Robot [SK18]. **Humans**

[ZHRM15, ZMM19, OAD⁺12, SB12].

Hybrid [MDT09]. **Hypothesis** [CXZ14].

ICAD [Bar05a, BM05, Bre05, BS05a, EM05a, Fer05, FTB05, GLT05a, HR05b, MPC05, SCS05, Vic05, WK05b, vdD05a].

Icons [SJ18]. **Identification**

[BFSV16, HBF16, HJ07, NW08, TSRD07].

Identifying [BOK10, TGJ08, MP09]. **II**

[LKTH06]. **illumination**

[DCR06, HFJS09, LXXB10, YCK⁺09].

Illusion [Kaw19, RVH⁺19, AR08, RVSP09].

Illustrations [SGHL⁺19]. **Image** [AW15,

BPFP16, FB05, NG06, PMS17, RNLH16,

LAE09, MDT09, RLH⁺08, RLV⁺10,

SDBRC13, SLW⁺11, TGT⁺09, WMS08].

image-processing [RLV⁺10].

Image-Quality [RNLH16]. **image/model**

[MDT09]. **image/model-based** [MDT09].

imagery [McN06, ONS12]. **Images**

[ABK⁺15, CSUN05, DK19, FWN⁺14,

GBA17, Kaw19, MMSO15, TCGC19,

AJML13, DCN⁺06, MI07, MMS06, MO09a, NCVW10, SDBRC13, SMI06, WP10].

Imaging [APLR17, FHC04]. **Immersive**

[EBPJ16, GATM18, JOY⁺18, KSLM15,

JWB12, KS12, KCRT08, LRSR10, MBCW10,

MC05]. **Impact** [KHKP15, MP20,

NMVRB20, WTWN16, MM13]. **Impaired**

[RL17, DKR⁺05]. **Impairments** [BPFP16].

Implications [GMT09]. **implicit** [HMS09].

importance [BAMB13]. **Important**

[ZMM19]. **Impressionism** [SMO⁺10].

Improving [DKR⁺05, HBF16, KCK⁺18,

KM17, KMHO13, PTP14]. **Inconsistencies**

[TLS⁺15]. **Inconsistency** [KMH⁺19].

Index [LZL⁺18]. **indicators**

[SCRTW05, ZCRTW12]. **indirect**

[YCK⁺09]. **Individual**

[DCRS15, RNLH16, ZCRTW12]. **Indoor**

[RL17]. **Induced** [LZL⁺18, RVSP09].

Industry [ASG⁺18]. **Inertial** [SK18].

Influence [CKAD18, FKM17, LZL17, RSM⁺15, SS19, VSKL17, BSH⁺06, NTKA12, RSPA⁺06, YCK⁺09]. **Influences** [HCKH16, MGM16, BB13]. **Information** [GHS⁺20, BSH⁺06, FSG09, KPSL10, VCR08, VSWB07, YBC13]. **information-theoretic** [FSG09]. **infrared** [KWI09]. **Initial** [KVE16]. **Insights** [AMR06]. **inspired** [TVR⁺11]. **Integrating** [AC11]. **integration** [FCH⁺07]. **Intelligent** [WKM⁺17]. **Intensity** [NP15]. **Intentions** [KHW⁺15, MDR10]. **Interaction** [EBPJ16, MSHLR16, VSKL17, SII04]. **Interactions** [KBL14]. **Interactive** [HHNOP19, KHH17, Ste15, AASH⁺12, PI08, TSC13, WB04, ZZ13]. **Interface** [PD17, AAM08, LBWP07, YB04]. **Interfaces** [VCA16, AZ10, GMT09]. **interference** [HBW11]. **Interferences** [PD17]. **Interlacing** [HOH15]. **Interleaved** [HAHG17]. **internal** [RDLTS04]. **international** [KW05]. **interpolation** [SLW⁺11]. **Interpretation** [RLH⁺08]. **Interpretation-based** [RLH⁺08]. **Interventions** [ABK⁺15]. **Introduction** [BT16, GS13, HC19, KMS15, MS12, RK18]. **Intuitiveness** [LSRR13]. **Invasive** [LZL⁺18]. **inverse** [WH08]. **Investigating** [AONB17, HHL10, MJM⁺09, WKM⁺15, ENC⁺08]. **investigation** [HFJS09]. **isotropic** [HVM06]. **Issue** [BT16, HC19, KMS15, RK18, FL09, GS13, HE05, MB10, MS12]. **ITMOs** [APK15].

Jitter [JDKN18]. **Joint** [JOY⁺18, SK18, SMS13, TSRD07]. **joint-angle** [TSRD07]. **JPEG** [SMI06]. **Judging** [DCRS15]. **Judgments** [LWK18, LRB15, KTCR09, KMHO13, SAB07, WCCRT09, ZNWK12].

Keep [JWA19]. **kinematics** [WMVO05]. **Kramer** [WK05b].

Lamps [KFSN16]. **language** [TVR⁺11, YB04]. **Latency** [APLK17, BBE16]. **lateral** [DFZ⁺05, LPHL05]. **Laughter** [NP15]. **LDR** [SDBRC13]. **Lead** [AAM08]. **Lead-me** [AAM08]. **Learning** [PK20, RVB13, DKR⁺05, GBLR10, KS12, KWSS08, YB04, ZAAC12]. **learns** [KS12]. **Ledge** [LRB15]. **less** [KBP⁺13]. **Level** [FB05, KDCM15, PDZ05]. **level-of-detail** [PDZ05]. **Light** [KPDP19, LWK18, VSKL17]. **Light-Material** [VSKL17]. **Lighting** [TLS⁺15, BAMB13, NCVW10, TGJ08]. **Lightness** [APLR17]. **limb** [BOK10]. **limits** [HS12, LPR06]. **Line** [TUG⁺20]. **Linear** [KHJK13, MW15, SB12]. **Linearities** [TCP⁺14]. **Lines** [TG19]. **Linguistics** [PK20]. **link** [WB04]. **liquid** [vdD05b]. **listeners** [RPH10]. **Listening** [PD17]. **Load** [LZL⁺18, ZLQ⁺19, HMS09]. **Local** [VSWB07, AJML13, Lav09]. **Localization** [WPDH14]. **Location** [RL17]. **Locomotion** [ASG⁺18, KCRT08, LBWP07, MTCR⁺07]. **locomotor** [WWA11]. **LOD** [DBS⁺09]. **Logos** [ZYZ⁺17]. **Lokki** [GLT05a]. **Long** [SWA14]. **Long-Term** [SWA14]. **look** [HU11]. **Looking** [PHRE15]. **Low** [FB05]. **Low-Level** [FB05]. **LSB** [WMS08]. **LSB-encoded** [WMS08]. **lumigraphs** [MO09b].

Machine [KM17, SNW16]. **Magnitude** [HCKH16, VGFB10]. **Make** [KFSN16]. **Making** [SGF⁺10]. **Malformation** [ABK⁺15]. **management** [DBS⁺09]. **manipulate** [KS12]. **Manipulated** [JLS⁺17]. **Manipulating** [CKWB05]. **Manipulation** [SK18, FM05, NVW13]. **Manipulations** [LLBM15]. **Manual** [USA20]. **Manufacturing** [ASG⁺18]. **map** [ZAAC12]. **Mapped** [GBA17]. **Mapping** [BSHW14, AG06, GB08]. **Mappings** [WK05a]. **Maps** [AK16]. **Marking** [KW05].

masking [Lav09]. **Mass** [SK18]. **Material** [BCS17, VSKL17, BSVDD10, HJ07]. **Materials** [FK19, FB05, DFJ+20]. **mathematical** [KHJK13]. **maximized** [LZG+13]. **McGurk** [CMR+05]. **McNamara** [Fer05]. **me** [AAM08]. **Means** [PTP14]. **Measure** [LDDR18, HMS09, Lav09]. **Measurement** [LZL+18, GNP+10, KBL+06, KWI09]. **measures** [McN06]. **Measuring** [ZLO13]. **mechanical** [WCCRT09]. **mechanically** [VVHV10]. **mechanics** [WH08]. **media** [SGA+07]. **mediation** [KWSS08]. **memory** [MRT+10]. **Mesh** [KVJG10, FSG09]. **Meshes** [GVC+17, Lav09]. **Message** [IG15]. **metaphors** [WK05a, WK05b]. **Method** [MMSO15, USA20, BB13, GNP+10]. **Methodology** [AK16, EM05b]. **Methods** [CMR+05, DCN+06, GATM18, KCK+18, JDR08]. **Metric** [GBA17]. **Metrics** [PMS17]. **Mimebot** [AONB17]. **Miner** [MPC05]. **Minification** [ZNWK12]. **mirrors** [AC11]. **Mitsopoulos** [EM05a]. **Mixed** [IOYK19]. **Mobile** [KBL14, MSHLR16, ONS12, WWA11]. **Modalities** [PD17, TMM17]. **Mode** [NP15]. **Model** [HR05b, KHKP15, SJ18, ZLQ+19, HVM06, KHJK13, LPT+06, SB12, SVHS06]. **Model-Based** [SJ18, HR05b, MDT09]. **Modeling** [APLR17, KPL+19, SBR07, TJL+11, TCMH11, WWA11, PW10]. **Models** [APK15, CMR+05, HHO05, KVDE19, NVW13, VSKL17, KBP+13, RDLTS04, vdD05b]. **modification** [LBT08]. **mono** [WP10]. **monocular** [EML13]. **Moral** [FKM17]. **Motion** [AWR18, HCKH16, JAA+16, JLS+17, KHW+15, MSHLR16, NOSS17, OEMO16, VHBO14, WTWN16, WB04, ZHRM15, BSPB10, BOK10, CLR12, DRT07, FLKB07, JWB12, LPR06, LAE09, MJH+09, MAYKM13, MTCR+07, NCSG11, NGJT13, RSPA+06, RFR09, RVSP09, TSRD07]. **motion-field** [LPR06]. **motivated** [CST+10, SLW+11]. **Mounted** [LLBM15, MD05, WRHS18, JWA19, NMVRB20, WCCRT09, ZNWK12]. **Mouse** [BFSV16, KL06]. **Movement** [GFD+15, KVDE19, HCS10, LAE09]. **Movements** [BFSV16, RKS16, NTKA12]. **Moving** [RVSP09, RBCK12]. **MR** [ABK+15]. **Multi** [ZLQ+19]. **Multi-Feature** [ZLQ+19]. **Multidimensional** [CWB10]. **multimedia** [BJK13]. **Multimodal** [BWG12, LCC15, RM16, TG19, TUG+20, GMT09, YB04]. **multiple** [AC11, LSRS10]. **multiscale** [LPT+06]. **multivariate** [RLV+10]. **multiview** [HHL10]. **muscles** [NJS06]. **Music** [DCRS15, MP20, WKM+15, WKM+17, AZ10, MDR10]. **Musical** [MGM16, PD17, VA05, WKM+17].

Natural [RM16, SVHS06, TGT+09, VSWB07, WMS08, WP10]. **natural-image** [TGT+09]. **Naturalness** [KVDE19]. **Navigation** [USA20, GBLR10, GLT05b, MLK+06, VVJD05]. **Near** [NAB+11, KWSS08]. **Near-field** [NAB+11]. **Negative** [LPO09, KWI09]. **Network** [TCGC19]. **networks** [NJS06]. **Neural** [PW10, TCGC19, NJS06]. **Night** [KRV+14]. **Nighttime** [MGVM16]. **NMF** [ZLO13]. **node** [WB04]. **Non** [AONB17, FKM17, LZL+18, TG19]. **Non-Invasive** [LZL+18]. **Non-player** [FKM17]. **Non-Verbal** [AONB17]. **Non-visual** [TG19]. **nonvisual** [EM05b, JSHG08]. **normal** [DKR+05]. **novel** [AJML13, DFZ+05, SHBK05, WMVO05]. **Numerically** [RDLTS04]. **numerosity** [GDBP13].

Object [BSHW14, CKWB06, HU11, SK18]. **Objective** [GVC+17]. **Objects** [KFSN16, LDDR18, CA13, NGJT13, RDLTS04]. **O'Brien** [AR08]. **observers** [ECOG11].

Obstacle [FFW07]. **occluders** [MO09a]. **ocular** [WMA12]. **Oculomotor** [KHKP15, KHJK13]. **off** [LRB15]. **Olfactory** [NMVRB20, RBC14]. **omnidirectional** [SGS+11]. **omnistereoscopic** [CLR10]. **Online** [WPDH14]. **operator** [GB08]. **operators** [AR08, AG06]. **optically** [VVHV10]. **Optimal** [ONS12]. **Optimizing** [BS05b, BS05a]. **organization** [MDR10]. **orientation** [RPH10, ZCRTW12]. **other** [PJM+11]. **other-race** [PJM+11]. **Outdoor** [TLS+15].

pace [TSC13]. **painters** [SMO+10]. **painting** [ZZ13]. **pairs** [SDBRC13]. **palette** [BC05]. **panoramas** [CLR12]. **panoramic** [MO09a]. **Parameter** [Fau17]. **Parameters** [KHKP15]. **Parametric** [LPEP12]. **part** [FBT05]. **participating** [SGA+07]. **path** [FCH+07, HHL10, KBL+06]. **path-searching** [HHL10]. **patients** [APP07]. **Pedestrian** [JOY+18, EPO11, SAB07]. **Pedestrians** [RL17]. **people** [KS12]. **Perceivably** [JAA+16]. **Perceived** [BMB19, CKAD18, KBL14, KCS17, KVDE19, KSLM15, LDDR18, SMI06, WKM+15, ZOH+15, BB13, DRT07, KBL+06, KL06, LKTH06, MJH+09, WP10]. **Perceiving** [AJML13]. **Perception** [ARAP+18, AWR18, BFSV16, CBB+14, CXZ14, CPVC19, CLR12, FWN+14, FB05, FL09, GFD+15, KPDP19, KCK+18, LAE09, MI07, MD05, NP15, RM12, SK18, SNW16, SLW+11, TLS+15, TMM17, TG19, TGT+09, VVHV10, ZHRM15, ZMM19, AASH+12, BSVDD10, Can09, CA13, CWT+05, ENC+08, FR08, KBP+13, MJM+09, MMS13, NAB+11, NZG+11, OR04, PKCR05, RBCK12, RSPA+06, RDF11, SCRTW05, TJL+11, YBC13]. **Perception-Based** [BFSV16, KPDP19, MI07]. **Perception-motivated** [SLW+11].

Perceptions [HCKH16, YB04]. **perceptive** [BBD+09]. **Perceptual** [APLR17, AR08, AW15, BSH18, BAMB13, EM05a, EPO11, FK19, HBM+14, JDKN18, KMH+19, LPR06, MM13, MAYKM13, MDR10, MR18, NCSG11, SCSG05, SGF+10, SGA+07, TGG+20, VCR08, VHBO14, YCK+09, ZB17, Bar05b, BMGC05, JSG09, MMS06, McN06, MO09a, MO09b, NG06, PCK08, RO09, WBCB08, WH08, WMVO05, ZZ13]. **Perceptually** [CST+10, CMR+05, Fau17, HCS10, KFSN16, LCC15, HVM06]. **Perfect** [KBL14]. **Performance** [DK19, DKR+05, GTAE04, HHL10, KBL+06, MBG09, MDR10, RLV+10]. **Performances** [DCRS15]. **Peripheral** [LWK18, DBS+09, TGT+09]. **Periphery** [BCS17]. **Personal** [WAEG06]. **Personality** [GFD+15, HCKH16, WTNW16]. **Perspective** [NOSS17]. **phenomena** [BAMB13]. **Photo** [FWN+14, KPL+19]. **Photoplethysmogram** [ZLQ+19]. **Photoplethysmogram-based** [ZLQ+19]. **Photorealism** [ZMM19]. **Physical** [EBPJ16]. **Physically** [vdD05b]. **physics** [vdD05a]. **physiological** [VSCM12]. **Picking** [KVE16]. **pictorial** [WP10]. **Pilot** [KPAA10]. **Ping** [DFJ+20]. **pipe** [FR08]. **pipeline** [BSW10]. **place** [WBN+11]. **places** [TKK+13]. **planar** [MMS13, RM12]. **Planning** [ABK+15]. **Plant** [KHKP15, KHJK13]. **plasticity** [SCSG05]. **platform** [BSPB10]. **plausible** [SVHS06]. **player** [FKM17]. **Point** [AWR18, NW08]. **point-estimation** [NW08]. **Pointing** [WP10]. **polar** [ZC06]. **Polarized** [HAHG17]. **Pole** [LRB15]. **Polygonal** [HHO05]. **Polyhedral** [CPVC19]. **Pong** [DFJ+20]. **poorer** [TGT+09]. **populations** [DKR+05]. **portable** [MP09]. **Portraits** [HBF16]. **Posed** [TCP+14]. **position** [KS12, TSRD07]. **positive** [KWI09]. **possibility** [RFR09]. **Possible** [LLBM15]. **potential** [HBW11]. **Predict**

[KHW⁺15, PI08]. **predicted** [KBP⁺13]. **Predicting** [HHO05, KVDE19, PK20]. **prediction** [BSW10, LPT⁺06]. **predictions** [RDF11]. **Predictive** [BCD15]. **Predictor** [KDCM15]. **Prefer** [WAH⁺15]. **Preference** [TKK⁺13, FCH⁺07]. **preferences** [GTAE04]. **presence** [MBG09].

Presentation [AL15, NP15, GNP⁺10, WMA12]. **Presents** [IOYK19]. **Press** [KBL14]. **pretended** [KWI09]. **Primitive** [KVDE19]. **principled** [EM05b]. **principles** [MB04, YBC13]. **Printed** [Kaw19]. **problems** [WH08]. **procedures** [CWB10]. **processing** [MMS06, RLV⁺10]. **Product** [SS19]. **profile** [SB12]. **Profiles** [TUG⁺20]. **Program** [BGK17, Vic05, VA05]. **Projection** [KFSN16, KBP⁺13]. **Propagation** [RRM⁺16]. **properties** [BSVDD10, WCCRT09]. **Proposed** [AK16]. **proprioception** [BOK10]. **prosthesis** [BOK10]. **protocol** [GNP⁺10]. **Proxemics** [LSRS10, KS12]. **proximal** [RTPG11]. **proximal-distal** [RTPG11]. **pseudo** [AJML13, LBT08]. **pseudo-haptic** [AJML13, LBT08]. **Psychoacoustic** [RRM⁺16]. **psychophysical** [HFJS09]. **psychophysically** [SVHS06]. **Psychophysics** [Fer19, TGJ08]. **pulling** [AAM08]. **Pupil** [JDKN18]. **purposes** [MAYKM13].

Qualities [GFD⁺15, BMGC05]. **Quality** [BPFP16, BMB19, DK19, GBA17, GVC⁺17, KBL14, PMS17, RNLH16, SGHL⁺19, VSKL17, NCVW10, RLH⁺08, RLV⁺10, SMI06]. **Quantifying** [MRT⁺10, SGHL⁺19, WP10]. **Quantity** [MW15]. **queries** [WB04].

race [PJN⁺11]. **radiologist** [AMR06].

Range [APLR17, EML13, MMS06, NCVW10].

ranking [SVHS06]. **rapid** [WB04]. **Rate** [WAH⁺15]. **ratings** [CKWB06]. **Ratio** [IOYK19]. **Reaches** [RSM⁺15]. **Reaching** [EBPJ16]. **reading** [BWG12, GTAE04]. **reading-related** [GTAE04]. **Real** [ASG⁺18, Can09, EBPJ16, FK19, LFM12, FFW07, GNP⁺10, LZG⁺13, McN06, NAB⁺11, NCVW10, ONS12, PK07, PKCR05, SCRTW05, SGF⁺10, WBC⁺07, WNW⁺07]. **Real-time** [LFM12]. **Real-world** [Can09, FK19, WBC⁺07]. **Realism** [FWN⁺14, BB13, ENC⁺08, WBCB08]. **Realistic** [CMR⁺05, VHBO14]. **Reality** [ASG⁺18, APLK17, AL15, JLS⁺17, KCK⁺18, KKC19, KSLM15, RVH⁺19, RM16, ZMM19, APP07, AG06, HFJS09, KS12, KWSS08, KMHO13, MBCW10, ONS12, RSPA⁺06, RVSP09, RVB13, SDW05, WAEG06]. **Recalibration** [KCRT08]. **Recognition** [RKS16, VCA16, BS06, BWG12, JSHG08, MB04, OAD⁺12, ONS12, PJN⁺11, SMO⁺10, TVR⁺11, ZC06]. **Reconstructing** [BFSV16]. **Recovery** [ARAP⁺18]. **Redirected** [HBW11]. **Reduce** [LLBM15]. **reducing** [LFM12, LPO09]. **Reduction** [MGVM16]. **redundancy** [TVR⁺11]. **Reference** [PMS17]. **Reflected** [LZL⁺18]. **Reflection** [TGG⁺20]. **Reflections** [Fer05]. **reflexlike** [RVB05]. **Region** [BS06]. **Region-based** [BS06]. **Regularities** [NOSS17]. **regulate** [VSCM12]. **regulation** [LSRR13]. **Reinforcement** [KS12]. **related** [GTAE04]. **Relative** [LZL17, KMHO13, WP10]. **Remote** [RL17]. **Rendering** [APLK17, JWA19, RTSW18, BGW11, BAMB13, BBD⁺09, HCS10, HDH10, JSG09, KYL⁺07, MDT09, NCSG11, PDZ05, PW10, SGA⁺07, KL06]. **replication** [RM12]. **representation** [LPEP12]. **representations** [BS06, WNW⁺07]. **Representing** [MW15]. **Reproducing** [RM16]. **Reproduction** [BSH18, AR08]. **Requirements** [APLK17, GHS⁺20]. **resampling** [FCH09]. **resistive** [KL06, LKTH06]. **resolution**

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Tablet [PD17, TG19]. **Tactile** [BSH18, IOYK19, PTP14, DFJ⁺20, TUG⁺20, WH08, DFZ⁺05, RTPG11, WMVO05]. **tagging** [MP09]. **Takala** [GLT05a]. **talker** [BS05b]. **Talking** [CMR⁺05, LCC15, MEDO09]. **Target** [GHS⁺20]. **targeted** [BOK10]. **Task** [HHNOP19, BGW11, Can09, MBG09]. **task-facilitation** [BGW11]. **Tasks** [USA20, AMR06, GTAE04, HHL10, NW08, NVW13, OAD⁺12]. **Technique** [KFSN16, FHC04, SII04, WMA12]. **techniques** [BMGC05, BBD⁺09]. **Teleoperation** [PTP14]. **temperature** [KWI09]. **Temporal** [TCP⁺14]. **Temporally** [KBL14]. **ten** [KW05]. **Term** [SWA14]. **terrains** [TSC13]. **Texture** [IOYK19, KHH17, FCH09]. **Textured** [GVC⁺17]. **Textures** [BSH18, IOYK19, HVM06, JDR08, KL06, LKTH06, TJL⁺11]. **their** [FRC10]. **theoretic** [FSG09]. **Thermal** [SJ18, HJ07]. **thin** [CA13]. **those** [NCVW10]. **Three** [TMM17, TGG⁺20, WM08]. **thresholds** [JWB12, VGBF10]. **Throwing** [SCRTW05, VHBO14]. **time** [LPEP12, LFM12, LZG⁺13, SAB07]. **time-frequency** [LPEP12]. **time-to-contact** [SAB07]. **Together**

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