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Title word cross-reference

1 [G CJ 14], 2.5 [WSFS19, WAS16], 3 [BWH18, CT14, GDM18, HB17, SMH14, vMM14], \( \alpha \) [VZC14], \( \beta \) [FSO17], \( \ell_1 \) [FWF17], \( \ell_p \) [HCBY18], I [CL14a, MPC16, MZM15, SLK17, BHS+16, CPL14, XYH14], N [MHBT15], t [CS19, LBR18].

-D [CT14, HB17, WAS16].
-Source [CS19, LBR18]. -Vector [BHS+16, XYH14, CPL14, MPC16, CL14a]. -Vector-Based [SLK17]. -Vectors [MZM15].

14 [FWM+14a].

2.5D [FFSS17]. 2017 [MDE+19].

3D [OGZ18].

4 [CRH+14].

AAC [CRH+14]. Abstractive [ZZZ16].

Acoustic [CTSC14, YLD15]. Act [MHBT15]. Acted [OR16a]. Action [WBSG18]. Activation [ZYG+14]. Active [AA17, AKN+16, BSB14, BBJ18, CC14a, CE14, CD17, GdC14, LC16b, LfdDG14, MX17, NNL15, PCG17, YH17, ZAZ+18, ZTQB19]. Activities [SBG17].

Adaptation [BDL15]. Adjusted [SAB16]. Adjustment [WW15].
[MSS17]. **Advancements** [LH14].

**Advancing** [Ano14-115, Ano14-116]. **Adversarial** [AB18, BCCZ19, BGD+18, LCTA19, STS18, TL19, YTWB19]. **Adverse** [VMOL16]. **Affine** [ZN14]. **Against** [CH18, TK14]. **AGC** [YLD15]. **AgentGraph** [CCT+19]. **Aggregation** [LWJ19]. **Aging** [KH16]. **Agreement** [PCB16b]. **Aid** [FPTJ17, SSFP18, SP15, WW15, YLJ16, KA16]. **Aided** [MFG15, QMS16, hShWsL15]. **Aids** [AHH+19, ABKP19, FWM+14a, FWM+14b, IC19, KNBC19, KPH15, MHD15, NNL15, PPSG17, SGM+15, SD16a, SNTD19, TNS+18, YKPMP18, ZEM18]. **Air** [SFK15]. **Airflow** [CWCP17]. **Alaryngeal** [DTN+14]. **Algorithm** [AAA19, CBA+15, CC14a, CC15, DG15, DPHG18, GTS+19, GLQ16, GB14, JT16, KGBP+16, LK19, PFG17, SOF15, SGH15a, SGH16, SRH15, VDC+17, YBC+14, YK14, YND14, ZZ+16, ZZH16]. **Algorithms** [BvWM18, BY15, CMG+17, CRH+14, EIPB+19, FdDARF16, HZF18, KBT19, LFdDG14, MHD15, SG14, SGH17a, SMVW14, TR14a, ZP15, ZN14]. **Aliasing** [AR16, RKN14, WSFS19]. **Aligned** [ZB14]. **Aligned-Parallel-Corpora** [ZB14]. **Aligning** [BCA15]. **Alignment** [CWJ16, DHD+19, HS15, NNS16, TS16, WED16]. **All-Pole** [SKH+15a]. **Allocation** [RV14]. **Allpass** [VM15]. **Alternating** [BH18, ES16, WRKG17]. **Alternative** [HWW16, MHD+17]. **AM** [VS14]. **Ambient** [HTG14, HTG15a, HTG15b]. **Ambiguity** [SSS18]. **Ambisonic** [CM18]. **Amen** [DM16]. **Amplitude** [DAR16, FWF17, KTT19, KBG16b, MAT15, MAK15, XWWW18]. **Analog** [YLD15]. **Analysis** [ATS18, ARSA14, AM16, AZGN14, BDV+14, BSB14, CZG+15, CH15, CPL14, DV14a, DST+19, DMP+18, Hac14, HMDG15, HDG16, HH14, HZF18, HM14, IY16, IO17, IO19, JMD+17, KOS+16, KD18, LHD16, MMT+19, MHDG15, MT18, MAL18, MDM15, MGT15, OWA15, PDS+16, PCB15, PM19, RG17, RVB+17, SAP14, SGH17b, SB18, VM15, WLLZ17, WCY19, WC16a, YEY17, YWLZ18, ZA14, ZDKL18, Ano16-52, Ano16-53, Ano16-54, Ano16-55, Ano16-56, Ano16-57]. **Analytic** [VS14, WAS16]. **Analyzed** [YHO+17]. **Analyzing** [LWJ19, ZXH16]. **ANC** [GLQ16]. **Anechoic** [ZW15]. **Angle** [PCB14]. **Animations** [CWCP17]. **Anisotropic** [TOKS14]. **Annotation** [MHB15]. **Annotations** [LCZ+17, ZWCT15]. **Anomalous** [KSU+19]. **ANSI** [YLJ16]. **Answer** [TWZ+18]. **Answering** [LWJ19, ZXH16]. **Anthropometric** [GMFG16]. **Anti** [WDD+16]. **Anti-Spoofing** [WDD+16]. **APA** [ZYG+14]. **Aperiodic** [CT14]. **Application** [CHC+14, GKC16, LLR+16, MAL18, OOK17, PDS+16, PM19, RKL14, SAB16, SHD14, SMVW14, TR14a, WZS14, ZCDS15, ZZH16]. **Applications** [CD17, CC15, CTLL17, CL18a, FPTJ17, RG17, SSFP18, SRH15, SP15]. **Applied** [AS17b, Ano17a, BSR17, Bre15, DM16, SB18, YHO+18]. **Approach** [ABA17, APH14, AY15, AKN+16, BC17, BC18, BCA15, BvWW17, BM15, CPBFSF16, CH18, CH16, CZ17, CZY+18, CK19, DTD16, FQG+15, GMFG16, JT15, LGTG18, LS14a, LD16, LSDM19, MH16, MSD14, OR16b, SD16a, TLW+17, TMH+14, WHRC16, WDDL17, WDDL18, WXZ16, XHY14, XDDL15, ZA14, ZAZ+18, ZHB+18, ZID+15, ZS16]. **Approaches** [BD16, FK19, FLSM16, RH18, RHvdP+16]. **Approximate** [SOF15]. **Approximation** [CY15, FK19, HCJT15, KHHJ19a, MBM15, SMVW14, VDC+17]. **Approximations** [WAS14]. **Arabic** [AAA19, RARR15, ZB14]. **Arbitrary** [KSHH18, NNS16, OIY+14].
Architecture
[CRVB+15, RARR15, YLD15, YLJ16].
Architectures [SMA+17, WDDL18]. Areas
[SAP14]. Argument [LZ16, ZZZ16].
Arousal [WYLZ16]. Arpeggios [BTBT18].
Array [BBJ18, FSA18, GEC15, HSK17, HL14, IO17, JSR16, JEP14, LWZ+14, NR14a, NHIK16, OFF+17, OISO14, PCB15, PC19, SR14, SvWRK15, SPM17a, SPM17b, TP15, TCY15, TR14b, TR15, WC16a]. Arrays [AR16, BCB18, BABC19, CM18, CT14, FFSS18, Hac14, HF15, HBC17, HZF17, HCB18, MXNB19, PCB16a, PCBS19, SST18, SLC+15, SKDN14, TH14, TH16, TJCB16, WD16, WCCB19, WRKG17, ZA14, ZBC14]. Arrival [ED18, HMM17, KK14, NV14, SLC+15, TP15, TTH14, TR15]. Arrivals [KB14].
Art [MSRND14]. Article [Ano19a, Ano14-90, Ano14-91].
Articulation [DB17]. Articulatory [CHWL14, CMG+17, GHAP17, GGC+17, HGAPB15, JJB16, KCMW17, NRČR14, SLH17, TKT17, WSY14, YMMI19].
Artificial [AF18, AF19]. Artificially [AKG+17]. Ascending [BTBT18].
Ascending/Descending [BTBT18].
Aspiratory [CWCP17]. ASR [DAGS+18, GWG+14, HSPK18, HIA+17, LAK16, LLLL19, SV18, TV15, WSY14, dCSVGAPM15].
Assessment [FBE19, KKK15, KNH+18, LLLL19]. Assisted [WSL15]. Association [AM18a, SSS18]. Associative [OOK17].
Asymmetric [AHH+19, BCB18]. Asynchronous [CBA+15]. Attack [MKMDM17]. Attacks [XNG+14].
Audio [Ano17u, Ano17v, Ano17w, Ano17x, Ano17y, Ano17-57, Ano18v, Ano18w, Ano18x, Ano18y, Ano18z, Ano18-27, Ano18-28, Ano18-29, Ano18-30, Ano18-31, Ano18a, Ano19a, Ano19c, Ano19t, AB14, AB15, BF18, BV16, BCA15, Bay15, BS14, Bre15, CHJ14, CHL+19, CJW16, DHSG15, DTC15, DVLH17, DSH18, DDNN19, EDO17, FSO17, FM15, FLB16, FBE19, GEC15, GRSP17, HTG14, HGT15a, HGT15b, HWRC15, HGT15c, IBN+18, JVR16, JYB+15, KA16, KSH17, KML18, KGBAP+16, KGG19, LG19, LM17, LBR16, LBR18, LB16, LDZ19, MBD18, MV19, MMT+19, MMCF18, MP16, MSRD14, MF17, MT18, MMMDL+14, MBTB14, MK16, NNS16, NR14b, NXX+17, NCC15, NLV16, ODG16, PKA14, PCW15, PHMB18, PHM+16, PHM+17, RG15a, Rak17, ROL+15, SW16, SLOVB15, SB18, SKH+15a, SKH+15b].
Audio [TZZ+15a, VML14, Wid18, Wid19, WL19, XNG+14, XNRG15, XNP+18, XO16, XZ19].
XHW+17, ZCQ+19, vHK14. Audio-Based [ROL+15]. Audio-to-Score [NNS16].
Auditory [CE15, CHWL14, DSMD15, JZJO19, KGH+16, MAK15, SP16, TMKO17, WWS+18, XGKM18]. Auditory-Inspired [XGKM18].
Audio-Receptive-Field [WWS+18]. Aug [FWM+14a]. Augmentation [CGK15]. Augmented [CWDA17, HMN17, LLWJ16, NNC19, RG15b, XWZ16].
Auto [HBB17, SZVZ16]. Auto-Regressive [HBB17]. Autocorrelation [AS17b, JFG+17, PT14]. Autoencoder [BCCZ19, GJ17, KKH19]. Autoencoders [DXZ+18, HL18, JMD+17, LMC18].
Autoencoding [CHL+19]. AutoGuitarTab [MFG15].
AutoMashUpper [DHYG14]. Automatic [ACRS14, AZGN14, BVGV15, BHS+16, BD16, CJ15, CLW+16, DHYG14, ESVK17, HYI+15, HXWS15, KSH17, KKK15, KG16, LKHU14, LDGHU14, LCZ+19, LS14b, LB16, MSFK15, MSRND14, MAK15, MKA16, NRCR14, OR16a, RARR15, RF16, SWW+17, SBM+19, SSKP16, SBG17, SLW15, WW16, WDS+18, WL19, ZH19].
Automation [MTS+19]. Autoregressive [GMH14, LSDM19, MIYO14, NCC15, WTY18]. Auxiliary [AA17, KKH19, ZCY16]. Averaging [CW18, WFN+18]. Awards [Ano19a].
Aware [DB18, LWC+18, MV19, QTY16, SF18, TWZ+18, XSL+19, ZXSD17, ZM17, ZS19].
Back [ACRS14, LH14, Ano14i, Ano14j, Ano14k, Ano14l, Ano14m, Ano14n, Ano14o, Ano14p, Ano14q, Ano14r, Ano14s, Ano14t, Ano15n, Ano15o]. Back-end [LH14].
Bandwidth-Extended [AKG+17]. Bank [AM16, MAK15, SG+15, WW15, YLJ16]. Base [FWF17, GJB15, LWJ19]. Based [AZK15, Abd18, AF19, AGW15, AJLW14, BWH18, BVGV15, BV17, BIK+18, BA19, BCA15, Bay15, BQGQ+17, BvWWM17, BH19, BM15, BSL15, BSL16, BH18, BD16, CSJD16, CW18, CZG+15, CW14, CHWL14, CJ15, CH15, CZY+18, CW16, CMG+17, CY15, CC14b, CC15, CSPFC+14, CSAR+14, CG16, CL17b, DuWDM14, DKO+18, DW17, DMVP16, DTN+14, DRK18, DG15, DSH18, DNN19, FSO17, FM15, FWM+14a, FWM+14b, FLMS16, FNN+19, FLB16, FdDARF16, GDC19, GY14, GTV19, GG18, GR14, GCJ+14, HSPK18, HW14, HSM19, HSK17, HTG14, HGT15b, HBF+16, HBB17, HS15, HIA+17, HGT15c, HZ17, HMKH18, IY16, ISZ15, IBN+18, JP14, JFG+17, JT14, JvWGD15, KG14, KLK17, KNC19, KHK17, KDY14, KPH15, KK14, KKGK18, KD16, KD18, KNH+18, KSB+19, KM15, KG+16, KBG16, KGG19, LGT16, LGT18, LC16a]. Based [LTWT17, LK19, LGHG17, LGGH18, LGGH19a, LCZ+19, LMC18, Lin19, LB16, LB16, LSYN19, MIYO14,
MTBB15, MBD18, MK15a, MHD15, May18, MC17, MBB15, MBD18, MTS19, MK16, NYS17, NXH17, NLL18, NN15, NV14, NAK17, OHN16, OOK17, OIX14, OD17, ODG16, OSDM16, PS19, PBC18, PW19, PLZL17, PCB16b, PT14, PM15, PHM17, PBQ15, QTY16, RV14, RDP14, RSR19, RH18, RG18, RMBK14, ROL15, SV17, SSFP18, SS16, SAC17, SD17, STH19, SDL15, SNTD19, SWH17, SHKB17, SGH17a, SKSD14, SMWV14, SK16b, SAS17, SLC15, SMB19, SLK17, SK17, SW16, SDK14, SSS18, TOKS14, TOS14, TM14, TM16, TQY16, TMM18, TH18, TTH14, TLT17, TKT17, VML14, WF18, WS14, WYH15, WYLZ16, WD16, WLL16, WDDL17, WYH17, WB18, WSC18a, WW19, WCY19, WZW19, WVC14, WHL14, WLL15b, WK16, WRKG17.

Based [XNG14, XNRG15, XWWW18, XLL19, XZW15, XDDL15, XO16, XHW17, XAJ14, YK14, YZL18, YLPL19, YX15, YHO17, YHO18, YH17, YMM19, YJX19, ZP15, ZCF14, ZSB17, ZWCT15, ZKA15, ZW16a, ZW17, ZH18, ZCH18, ZHH18, ZKH18, ZGO19, ZZH19, ZH15, ZJD15, ZCQ19, ZB14, ZSIA16, Ano16-50, Ano16-51, TMH14, Basis [KHT18, PSL17, VDC17]. Bass [AS17a, MG17]. Bayesian [AV16, BIK18, CH18, CS19, CY16, Ch18b, ET18, HAGS16, IBN18, LG19, LH16, MIYO14, OISO14, OIF14, SEM14, VM16, WAS14, WSH15, ZCS15, ZDC14]. Beamformed [LVZ14]. Beamformer [ABKP19, HDG16, HIA17, JTH14, JSR16, KSHH18, LYN14, PCB14, SNTD19, SGHI14, ZH14, ZCHH18, ZEM18]. Beamformer-Based [SNTD19]. Beamformers [BC17, BC18, BCB15, DMVP16, HMDG15, Non14]. Beamforming [AR16, ATP15, BCB15, BABC19, CBC19, CT14, HL14, HCB18, JSR16, KHH19a, MGGK17, PCB15, PCB16a, SDF18, SR14, SMB19, WCC19]. Beampatterns [HBC17, PCB19]. Beat [ZDG14]. Belief [SHD14, WWS18]. Bernoulli [Lin19]. Better [AAA19]. Between [AJB18, BTBT18, KTJ19, MVH16]. Beyond [sLGyLa15]. Bias [FPT18]. Bias-Compensated [FPT18]. Bidirectional [CH16, DAS18, LLL19]. Bilingual [BCC19, LFU17, WZL15, YSL15]. Binary [ATS18, DAFS15, DVLH17, HL18, RBBG15, WWS18, YK17]. Binaural [AJLW14, AHH19, AdHT16, ABKP19, BOL18, DHSG15, FBE19, HMDG15, HDG16, IC19, JSR16, JWLF14, KNBC19, KHH19a, MB18, MBD18, MD18, May18, PLZ17, SR14, SwRK15, SK17, SBVM16, TMKO17, VS14, YND14, ZW17, ZEM18]. Binaurally [YKP18]. Bio [ARW16]. Bio-Inspired [ARW16]. Biologically [dcSVGAP15]. Biomimetic [YLD15]. Biosignal [Ano16-50, Ano16-51, SWH17, SHKB17]. Biosignal-Based [SWH17, SHKB17, Ano16-50, Ano16-51]. Bird [JK19, KMG17, SBG17]. Bit [CLAG16, LJK17, SKH15]. Bitrate [BF18]. Bivariate [ZDL18]. Blank [Ano14i, Ano14j, Ano14k, Ano14l, Ano14m, Ano14n, Ano14p, Ano14q, Ano14r, Ano14s, Ano14t, Ano14u, Ano14v, Ano14w, Ano14x, Ano14y, Ano14z, Ano14a, Ano14b, Ano14c, Ano14d, Ano14e, Ano14f, Ano14g, Ano14h, Ano15a, Ano15b, Ano15c, Ano15d, Ano15e, Ano15f, Ano15g, Ano15h, Ano15i, Ano15j, Ano15k, Ano15l, Ano15m, Ano16a, Ano16b, Ano16c, Ano16d, Ano16e, Ano16f, Ano17b, Ano17c, Ano17d, Ano17e, Ano17f, Ano17g, Ano17h, Ano17i, Ano17j, Ano17k, Ano18a, Ano18b, Ano18c, Ano18d, Ano18e, Ano18f, Ano18g, Ano18h, Ano18i, Ano18j, Ano18k, Ano19b]. Blind [BBM17, BV16, CONVVC18, CG17, CK19, DB19, FK19, HCBY18, ISP19, KOS16, NV14, OOK17,


Co-Extraction [YJX19].

Co-Factorization [HL15].

Co-Localization [DHSG15].


Codebook [HBB17, VML14].

Codebook-Based [HBB17, VML14].

Coded [ZLF19]. Coder [SKH+15a, SKH+15b]. Codes [XAHJ+14].

Coding [AHH+19, BF18, CLAG16, CDW16, JSY16, JG19, MK16, SKH+15a].

Coefficients [AS17b, DP16, GI15, ISZA15, KS16, KBG16b, MKA+14].

Coherence [BBM17, MHD15, MD18, SGH16, XZW15].

Coherent [JC17, SK15].

Coherent-to-Diffuse [SK15].


Collecting [KNH+17]. Colored [SK18].

Colouration [WWH+18].

Combination [CPCBFSF16, CJ15, FdDARF16, IY16].

Combined [BCB15, MGGK17, MHGD15].

Combining [CMY16, KSK+15, LCC+15, MGB18, RDP14, SKM17, SY15, WJ15a, WW19, YK17]. Command [PCG17].

Comments [CE14].

Common [PP19, SD16b, SD16a]. Communication [AHO16-50, AN16-51, KBV17, MHD+17, SWH+17, SHKB17].

Community [WYLZ16, ZHX+16]. Community-Based [WYLZ16].

Compact [MBD+15, SRH15, WDDL18].


Comparison [AJB+18, BKS+18, KBV16, WDD+16, vHK14].

Compensated [FPTJ18]. Compensation [BGQO+17, DH14, HSK17, LC16b, MGF18, MIJ+14, Nos16, TZA14, WVCL14].


Complexity [CBA+15, DDZS17, FWM+14a, FWM+14b, FMD14, HL14, NWM16, SDF18, SLC+15, SLW15, VH19, WW15].

Component [CWYC17, IY16]. Components [CB14].

Composition [CLAG16, MFG15].

Compositional [ZM17]. Compositionality [DWX+16].

Comprehension [LLJ+19, ZLJ+19]. Compressed [KM+18, MCD14].

Compression [CZG+15, KGH+16, MF17, NR14b, WLT+18].

Compressive [WLL+16, WZS14]. Computation [FB18].

Computational [SSKP16].

Computationally [KAJC16, MDM15].

Computer [MFG15, QMS16, hShWSL15, WSL15].

Computer-Aided [MFG15, QMS16, hShWSL15].

Computer-Assisted [WSL15].

Concealment [LC16a]. Concentric [HCB18].

Concurrent [SCEH19].

Conditional [May18, RLPK15, TL19, YLL15].

Conditions [BHBS16, CW18, DW17, RKN14, SLGZ15, ZWW14, ZWW15].

Conduction [SFK15].

Confidence [DAGS+18].

Configuration [TR14b].

Confused [RARR15].

Confusion [LHD16].

Connectionist [OOK17].

Connectives [MHPB15].

Considering [WZS14].

Consistency [LZ16]. Consistent [JT15].

Consolidated [GVMGO17].

Constituent [ZDC14].

Constrained [AHH+19, ABK19, ABK19].
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Cross-correlation [PT14]. Cross-Dialect
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GJ17, HL18, HKHS15, JMD+17, JLWLF14,
KKLK18, KS+19, KYTEJ17, KK19, KG19,
LC16a, LCW+18, LK19, LS14a, LR17, LDZ19, LCM18, MBB17, MGB18, MZX+15, MZM15, MKA16, NW15, NLL+18, NLV16, PS19, PDS+16, QBY16, QCDW17, RARR15, SWW+17, SS16, SHD14, STT+19, SAS17, SZV16, SWCN19, TQY16, TQH+18, WS14, WDDL17, WWS+18, WC18a, WW19, WZ19, WBSG18, WYSID15, WGR+18, WL19, XDDL15, XHW+17, XAHJ+14, YMM19, ZW16a, ZW16b, ZZ+16, ZW17, ZH18, ZW19, ZZ19, ZJD+15.

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**Directive** [WCCB19]. **Directivity** [PBC16, RHvdP†16, WC16a]. **Disambiguating** [MHPB15].

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**Dissonance** [MBTB14]. **Distance** [CBCL15, GSA18, KHTL18, SKSD14].

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**Disease** [NRˇCR14].

**Disorder** [LLL19]. **Disorders** [NRˇCR14].

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**Document** [HPB15, HNY†15, yLS14, YW14, YCLS17]. **Documents** [GMH17, MBD†15]. **Domain** [AB18, ARSLN16, AGW15, BP14, BwWWM17, BBBS16, BCB18, DLG18, DMVP16, DB18, DB19, DBM15, GEC15, GCvWMJ14, HMN17, HCBY18, HHC16, JTHN14, KFH†14, LPHCB14, LKH14, LMC18, MAP14, MH18, MK17, OG14, PW19, SK16a, SB18, TM16, Ter16, VH19, VDM15, WB18, WUF†18, WW17, XWWW18, XHS†18, XMBN18, YFY17, ZAZ†18, ZHI†18, ZCQ†19, WZS14].

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**Expression** [CBG15]. **Expressive** [MSFK15].  
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**Extension** [AF18, AF19, LAGD18, LB16, ZPP15]. **External** [ABvM19, YKPMP18]. **Extra** [WED17]. **Extracted** [WSY14]. **Extracting** [HL18].  
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**F** [LK19]. **F0** [AB15, CWJ15, IIY16, LCTA19, WTY18]. **F1** [HXWS15]. **F1-Score** [HXWS15].  
**Facial** [JD17]. **Factor** [BDV+14, CC15, HH14, MAL18, QTY16, WLLZ17, YHO+17].  
**Factored** [AVK+15]. **Factorization** [ATA16, BV16, BOL+18, BSER17, CONVVC18, CBG15, CY16, ED18, FSO17, HL15, KHTL18, KSK+15, KOS+16, LKPR18, MH16, ZHH+16]. **Factorized** [CL14a, SS16]. **Factors** [KKJN17, SKAK16, WWLL14, WC16a, ZYG+14].  
**Fast** [FNM+19]. **Fast-Safe** [FNM+19]. **Family** [HBL14, TR14a]. **Far** [ATP15, ZSIA16].  
**Far-field** [ATP15]. **Farewell** [Ano18-32, Den14]. **Fast** [BF18, CRH+14, CL14a, Cum15, DAFS15, KKGH16, KBT19, ODG16, XAHJ+14]. **Fate** [PP19]. **FDAF** [GCvWMJ14]. **FDTD** [HB17, SRH15, vMM14]. **Feature** [AV16, BY15, BSER17, CWW14, CJI14, CZZ15, DH14, GMH14, IO17, KGP14, KKGK18, KNH+17, LWZ+14, MAK15, NXCL16, QCDW17, SAB16, SKDN14, VML14, WLT+18, WL19, XHW+17, ZDG14, ZW19].  
**Features** [AVK+15, BMVG17, CSJD16, CHWL14, CTL17, DHSG15, DW17, DB15, FOBP15, GKC16, GMFG16, GFP17, HLL15, HL18, JMD+17, JT15, LGHG17, LLL19, LCTA19, PKA14, STT+19, SGA15, SMA+17, SAS17, SKK14, SKM17, TD16, TZZ15b, YAP19, WYH17, WW19, WSY14, WK16, XGKM18, YK17, YB14, dICSVGAPM15, VZC14].  
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Gaussian-Impulse [TZZ+15a].

Gaussianization [Ano19c, MMMDL+14].

GCC [WRDP17]. GCC-NMF [WRDP17].

Gender [WDDL17]. General [BHBS16, FFSS18]. Generalized [ABvM19, DV14a, DV14b, DTL15, DST+19, JSR16, KPH15, Lin19, MH16, PLZL17, SDDCC15, SR14, SLW15, SKH+15a, VS14].

Generalized-Gaussian-Distributed [SKH+15a].

Generalizing [XLLY18].

Generated [EZS14, WWD14]. Generating [LM17].

Generation [ASC+18, BGD+18, BTD+19, HW16, HSZ+18, JD17, LGMD18, MSF15, OFF+17, RLK14, WC16b, WK16, XSL+19, YZW+18].

Generative [CLLD14, CRVB+15, GBH16, KYI+15, STS18, TL19].

Generic [DDNN19, RRdM16].

Genre [DHD+19, PKA14, RV14, ROL+15].

Genre-Based [RV14].

Geometric [APH14, WSFS19].

Geometries [DJY+19].

Geometrical [XLLY18].

Get [Ano17-68, Ano17-69, Ano15z, Ano15-27].

Get-A-Member [Ano17-68, Ano17-69].

Global [BLS15, BJB18, ET18, Nos16, YJX19].

GlotNet [JBTA19]. Glottal [ARSA14, ABA17, AJB+18, CMG+17, DP16, JBTA19, KDY14, KKGH16, MG18, MG19, SR16a].

GMM [WW14].

Goly [KM17].

Gossip [ZH14].

GPU [BGQ+17, LFdDG14, ODG16, SRH15].

GPU-Based [BGQ+17].

Gradient [HF15].

Gradients [RG15a].

Gram [MHBT15].

Grammar [ZDC14].

Graph [LK16, WYLZ16, WLLZ17, ZWCT15].

Graph-Based [LK16, ZWCT15].

Graphic [RVD14].

Graphs [yLSL14, PHMB18].

Grid [COH18, SLJ18].

Grounded [KSL19].

Group [Chi15b, ONKP16, SZL19].

Grouping [LSDM19].

Growing [WZL+15].

Growth [Li15].

Guest [HLL15].

Guided [FZZ+15, WZW19, ZA14].

Guitar [AS17a, MFG15].

HAAQI [KA16].

Hammerstein [DVWDM14].

Handling [HBF+16].

Handwritten [GMH17].

Hankel [JP14].

Hard [ZH19].

Harmonic [AKB+16, DMVP16, DIP14, ESJ17, EJ16, FNA15, HMN17, JTHN14, JC17, KF+14, LKPR18, MBT14, MDM15, MK15b, PSL17, PHK16, TOS14, TOS14, TM16, Ter4, WYH17, Ziv15].

Harmonic-Percussive [PSL17].

Harmonic/Percussive [LKPR18, TOS14, TOS14].

Harmonics [HZZ17, HZF18, SAC17, ZKA15, Ziv15].

Harmonics-Based [SAC17, ZKA15].

Head [BKK15, GSA18, MM15, MG18, MGF18, PAB19, RF19].

Head-Related [BKK15, GSA18, MBM15, PAB19, RF19].

Headline [ASC+18].

Headphones [GdC14, RG15b].

Hearing [AHH+19, ABKP19, FWM+14a, FWM+14b, FPTJ17, IC19, KNCB19, KPH15, MHD15, NHGD15, NWM16, NNL15, PPSG17, SSFP18, SG+15, SD16b, SD16a, SNTD19, SP15, TNS+18, WY15, YLJ16, YKPM18, ZEM18, KA16].

Hearing-Aid [YLJ16, KA16].

Height [KFH+14].

Heterogeneous [CL18b, LCZ+17].

Hidden [DBK15, HL18, PCW15, RV17, SS16, SRL16, TP16].

Hierarchical [AR+16, C15a, Chi18b, COH18, D1J+19, JHLK18, LG19, LAGD18, RV14, TWZ+18, TP16, WCY15, WWS+18].

Hierarchical-Diving [WWS+18].

Hierarchies [FGQ+15].

Hierarchy
[SZX⁺18]. Hierarchy-to-Sequence [SZX⁺18].
[AY17, BP14, DTDL16, FNA15, GB14, HB17, KKGH16, MTS⁺19, NR14a, RBV14, RF19, WCY15, WDDL18, WCCB19, XNRG15].

High-Order [HB17, WCY15].

High-Performance [MTS⁺19, WDDL18].

High-Precision [FNA15, RVB14].

High-Resolution [BP14, DTDL16, KKGH16, RF19].

Higher [AS17b, SAP14, vMM14].

Higher-Lag [AS17b].

Higher-Order [vMM14].

Highlight [HSZ⁺18].

Highly [YsL15].

Highway [LR17].

Hints [ZHZ19].

Histogram [RG15a].

Histograms [MJ18].

History [CBCL15].

HMM [AZK15, BD16, HSPK18, NYS17, PM15, SDK17, WWD14, YHO⁺17, ZSB17].

HMM-Based [BD16, HSPK18, PM15, SDK17, ZSB17].

HMMs [SLW15].

HMRFs [AB15].

Hoc [TJCB16, WC18b].

Hough [DTL15].

Howling [KPH15].

HPM [LCWC16].

Human [BBC⁺16, JZZJ19, WDD⁺16, XDH⁺17].

Humanoid [TR14b, TR15].

Humming [WJ15a].

Hurst [ZCF14].

Hurst-Based [ZCF14].

Hybrid [LKPR18, LGTC18, XWWW19].

Hypotheses [LAK16].

Hysteresis [MTBB15].

I-Vector [CL17b, GH17, KMAB18, ZSB17, XLLY18, JKKU18].

I-Vectors [KWGW17, PS17, LMC18, TMMZ18].

idea [Ano15z, Ano15-27].

Ideal [LM19].

Identification [Ano19c, AB14, EIPB⁺19, HCHBY18, HL15, JSMD18, LGGH18, LG16, MMMDL⁺14, PBC18, PBQ15, ROL⁺15, SH14a, TWC⁺18, VTN15, YsL15, ZH19, ZWW14, ZWW15].

Identifying [FDK15, WED17].


IEEE [Ano19j, Ano19k, Ano19l, Ano19m, Ano19n]
information

WAJL15, XGKM19, YZL18, ZYF18].

Kaiser [KPH15, SH17b]. Kalman [BvWWM17, BH18, DB18, DB19, NCC15, SGH15a, TCY15, XMBN18]. Karhunen [LPHCB14]. Keeping [Den14]. Kernel [DTC16, DTC17, DSH18, GI15, XDC17].

Kernels [WTHJ14]. Key [DAFS15, YZW18]. Keyword [HPB15, HBF16, LWL19, WJ15b, YGS19].Keyword-Attentive [LWL19].

Kinematic [JJB16]. Kinematic-Independent [JJB16]. KLT [RKLI4]. Knowledge [GJB15, LWJ19, yLSY14, LWC18, WTZ18].

Knowledge-Aware [LWL19]. Kronecker [CBC19, PBC18]. Kullback [SLGZ15].


Language [Ano17w, Ano17x, Ano17y, Ano17-57, Ano18v, Ano18w, Ano18x, Ano18y, Ano18z, Ano18-27, Ano18-28, Ano18-29, Ano18-30, Ano18-31, Ano18a, Ano19a, Ano19t, ACRS14, BDV14, CPCBFS16, CSJD16, CLC15, CLW16, CLW19, Chi15a, CBCL15, DH18, DB15, FOBP15, FLMS16, HLL15, HY15, HOF15, JHLK18, JSMD18, KG17, LTWT17, LFH15, LCC15, LCW16, MDY15, RV14, RV17, RLK14, SHD14, SHDG16, SLK17, SNS15, TWC18, VTN15, WZL15, WsL15, WSH15, YsL15, YTW19, ZZZ16, ZH18, ZZY19, ZWX15].

Language-Adversarial [YTW19]. Language/Dialect [ZH18]. Languages [DCLHJ18, PM19, ZP15]. Laplace [Chi15b].

Large [CL14b, DB15, ESVK17, JHLK18, SAP14, SFIL17, TB18, WBSG18].

Large-Scale [CL14b]. Laryngeal [DB17]. Laryngectomy [MHD17]. Lasso [RBR16]. Lasso-LS [RBR16]. Late [BRD15, BKS18, CS19, HCJT15, KD18, XGKM19].

Latency [CK19]. Latent [HM14, KGG19, RV14, RCL18, WTHJ14, WSH15, ZWCT15].

Lattice [CM18, LCW16]. Law [SAB16].

Layer [CLLD14, SS16]. Layer-Wise [CLLD14]. Layouts [CT14]. LCMV [HDG16, MGGK17, SGH17c].

LCMV-TRINICON [MGGK17]. Lead [MFG15, RLS18]. Learned [MMT19, ZW19]. Learning [AZK15, BXY14, BSR17, BSER17, CWDA17, CJ15, CM15, CTT19, CHL19, CY16, Ch18b, CTL117, DCLHJ18, DVLH17, FOBP15, FGQ15, GFG14, GH17, GCG17, GMFG16, HHWW15, ISP19, JG19, KKGK18, KUS19, KG19, yLSY14, LCW18, LK19, LK16, LB19, MP16, NLL18, NNL15, PHM16, Rak17, RH18, RARR15, RG18, RV17, SP16, SSFP18, STT19, SK16b, SCEH19, SLR16, TMM18, TR14a, VRN18, WsL15, WED17, WDDL18, WC18a, WW19, WHQY19, WZW19,
Learning-Based
[KKGK18, LK19, SSFP18, SK16b, WZW19].

Least
[BBM17, EIPB+19, LZHN14, SOF15, SD16b, ZHH16].

Least-Mean-Square
[ZZH16].

Least-Squares
[BBM17, EIPB+19, SOF15, SD16b].

Lecture
[YL14].

Lectures
[YsL15].

Legendre
[CCR16].

LEGOs
[ED18].

Leibler
[SLGZ15].

Lemma
[KSU+19].

Length
[CC14a].

Level
[CONVVC18, CHJ14, CC14b, DTN+17, FNA15, KYTJ17, OGZ18, SGH17b, TQW+15, YsL15].

Levels
[GB14].

Leveraging
[CLC+15, DSH18, XYH14, YW14].

Lexicon
[BCCZ19, DJY+19, KJG16, ZWCT15].

Library
[Ano15-28, Ano15-29].

LID
[JSMD18].

LID-Senones
[JSMD18].

Likelihood
[CWJ15, CWJ16, CG16, HH14, KDJJ16, KDJJ17, LGHG17, MH18, SHAGPRZ17].

Limited
[HLL15, HOF15, NNC19, SDK17].

Limits
[MK15c].

Limits-Potential
[MK15c].

Line
[TM16].

Linear
[ARS14, AS17b, BSB14, BLLP17, BSL15, BH18, CS19, CPL14, DV14a, DSHG15, DST+19, FFSS18, GR14, GCJ+14, HTG14, JBC16, JvWGD15, KKK15, MAPI14, MH18, NXL16, OOK17, PBC18, PCB16a, MG19, SAB16, YK14].

Linearly
[ABKP19, KSSH18, MHGD15, RMBK14].

Lines
[HL14].

Lingual
[ASC+18, CHWL14, LJX+16, LGR14, PM15, SDK17].

Linguistic
[DBM15, LWC+18, NNC19].

Linguistics
[OL15].

Link
[CSAR+14].

Linked
[YKPM18].

List
[Ano14-81, Ano15-70, Ano17-67, Ano18-66].

Listening
[BA16, LLW+19, LSDM19, RG15b].

Listwise
[ZLLS16].

Liveness
[STH+18].

LMS
[CC14a].

Local
[ATS18, BSL15, CC15, LFdDG14, WAS16, WHH+18, YK17].

Localization
[AKB+16, APH14, BOL+18, CBA+15, CPSFC+14, ČOH18, DSHG15, DG15, DPHG18, FPTJ17, FPTJ18, GSA18, HWR15, LGT16, LGT17, LGHG17, Lin18, MMB17, MGB18, MBM15, NR14a, PS19, PLZL17, PHK16, RJCW17, SDF18, SP17a, SP17b, SS18, TWS16, WRC16, WHRC16, WZW19, WRKG17, YLPL19, YZLY17, ZEM18].

Locally
[DHSG15].

Locally-Linear
[DHSG15].

Locally-Linear
[DHSG15].

Location
[AM18a, SKDN14].

Loève
[LPHCB14].

Log
[DLG18].

Logarithmic
[LKHU14].

Logic
[BM15].

Logic-Based
[BM15].

Lombard
[JRA17].

Long
[CBCL15, MKMDM17, NR14b, PDS+16, PHMB18, YB14, ZLJ+17].

Long-Term
[MKMDM17, YB14, ZLJ+17].

Loop
[DV14b, FB18, FB19, XYH14].

Loss
[ACB17, JZJØ19, LC16a, LWL+19, NWM16, XWZ16].

Loss-Augmented
[XWZ16].

Loudness
[LSW18].

Loudness-Invariant
[LSW18].

Loudspeaker
[BA16, BBJ18, DvWDM14, FNA15, GEC15, HSK17, KKV16, OFF+17, SSTS18, VDM15, ZA14].

Loudspeaker-Room
[BA16].

Loudspeaker-Signal-Domain
[VDM15].

Loudspeakers
[MJJ+14].

Low
[AM16, BF18, BIK+18, CBA+15, CLAG16, CWW14, CM15, CRH+14, CK19, CPSFC+14, EIPB+19, FWM+14a, FWM+14b, Hel14, HOF15, KSSH18, LJK17, LGR14, MGF18, MCD14, PKA14, SV18, SDF18, SMVW14, SLG15, SKH+15a, SKH+15b, SLGZ15, VH19, WW15, YLD15, YTWB19, YGS19, ZN14].

Low-Bit-Rate
[LJK17, SKH+15b].

Low-Bitrate
[BF18].

Low-Complexity
[CBA+15, SDF18, SLG15, VNH19].

Low-Cost
[CPSFC+14, KSSH18, ZN14].

Low-Delay
[CRH+14, SKH+15a, SKH+15b].

Low-Frequency
[MG18].

Low-Pass
[Hel14].

Low-Rank
[BIK+18, EIPB+19, LFdDG14, WAS16, WHH+18, YK17].
HOF15, PKA14, SLGZ15, SMVW14].

Low-Resource  
[CM15, LGR14, SV18, YTWB19]. Lowband  
[AF19]. LPC [WCY15]. LS [RBR16].

LSTM [CSS+19, CH16, HWT+17, KCMW17, SSK17, SNS15, XLL+19].

LSTM-Network [CSS+19]. LVCSR [CH16].

Lyric [WJ15a]. Lyrics [CWJ16].

Machine  
[BBC+16, BY15, CZY+18, GCG+17, HSZ+18, LLW+19, LWC+18, LCZ+19, MHPB15, NTM16, NTY19, NNC19, RG18, SXX+18, TZZ15b, WZL+15, WTZ18, WUF+18, WXZ+19, WXZ16, XZ15, ZL16, XSD17, ZSL19].

Machine-Learning [RG18]. Machines [CL14b, NTA15].

Magnitude [BIK+18, LGGH19a, LM19, PBS17, SLY14].

Management [CCT+19, WLL15b].

Manager [GY14]. Mandarin [CHC+14, CWCP17, HWW16, LCWC16, XWWW19].

Manifold  
[GMFG16, LGTM16, SV17, TR14a].

Manifolds [LGTG17]. Manipulation [EMTF17].

Many  
[ATA16, DTM+14, HSM19].

Many-to-Many [ATA16, HSM19]. MAP [MSD14, TMH+14]. MAP-based [TMH+14]. Mapping [BE17, GHAP17, HW15, KG19, WZL+14, PS17, PLZ17].

Mappings [TKT17]. Maps [DTC15, MAB+16, WCC+15].

Marginal [WXZ+19]. Marginalization [ET18].


Mashups [DHYG14]. Mask [BA19, RBBG15]. Masked [JT16].

Maskers [JT16]. Masking [DW17, DRK18, KML18, LS14a, LM19, WZ19, WWW16, WW17, ZH15].


max [SD16a]. Maximization [DG15, DPHG18, LGGH17, LSH14, SGH16, WD16].

Maximization-Based [WD16]. Maximize [KNH+17]. Maximum [CG16, HH14, HBL14, HS15, KL17, KD16, KDE17, LMC18, MI18, PBC16, SHAGPR17].


Measurements [BKK15, H14, KMM+18, KMG15, RF19]. Measures [DAGS+18, FDK15, MVH16, SF18, TM14, ZKDS18]. Mechanism [LWL+19, OZ18]. Media [XHS+18].

Meeting [BSL16, FMB16, TS16, YB14]. Meetings [BSL15]. Mel [DP16, JT15, LKH14, YH0+18].

Mel-Cepstrum-Based [YHO+18].

Mel-Frequency [JT15]. Melody [CW15, RDP14, WJ15a, ZCYZ18].


Merged [NYS17]. Merged-Output [NYS17]. Mesh [GDM18, SMH14]. Meter [GKC16].

Method [AGW15, DVP14, DTC16, DTC17, FSS18, GCWMJ14, JP14, JFG+17, KGH16, LCLM18, MF18, MGF18, MGT15, OFF+17, PCLP14, PBS17, SR16a, SAA15,
Methodology [PM15]. Methods
Models [Abd18, AVK+15, ACRS14, AGBC14, BSR17, BS14, CPCBFSF16, CLW+16, CLW+19, Chi18a, Chi15b, Cum15, CL18b, DKO+18, DBK15, DSN18, DXW+16, DH14, GMH14, HSPK18, H14, HYI+15, IBN+18, KLK17, KKWG17, LGT18, LBR18, LCW+16, LGR14, MGB18, MZM15, NW15, PCW15, RV17, SV18, XHW+17, ZM17].

Modification [DAR16, TKT17].

Modifications [EZS14].

Modified [PCG17].

Modify [TTB+16].

Modulated [JT16].

Modulation [BV16, CSS+19, DB15, DB18, DB19, GMH14, HS17, HH16, MAK15, MKA16, MKB17, TTB+16, WB18, XWWW18, XMB18].

Modulation-Based [HSK17].

Modulation-Domain [DB18, DB19, MBK17, XMB18].

momentum [Den14].

Monaural [CH15, CY16, DW17, DB19, FBE19, HKH15, JSV16, LSMD19, MV19, SWC19, TOS14, TCW19, WWW16, XGM18, ZW16b].

Monolingual [PM15].

Morph [MK15a].

Morph-Based [MK15a].

Morphological [FOBP15, HBF+16, LLR+16].

Morphologically [ZP15, dCSVAGAPMP15].

Motif [XO16].

Motifs [XO16].

Motion [SLH17].

Motivated [VD+17, VS14].

Movements [KCMW17, MMB17].

Moving [ND18, TH18, TR15].

MPEG [CRH+14].

MPEG-4 [CRH+14].

MSE [Wid19].

MSE-Optimal [Wid19].

MT [BDL15].

Multi [BSL15, CD17, CS19, DHYG14, DH+19, DAR16, D19, DXW+16, DHP14, FOB15, GTS+19, GKC16, HWRC15, JvWG15, KD16, KD17, MHD15, MHD15, SLOVB15, TZA14, YND14].

Multi-Compositionality [DXW+16].

Multi-Conditional [May18].

Multi-Device [HWR15].

Multi-Document [YW14].

Multi-Factor [QTY16].

Multi-Feature [ZDG14].

Multi-Frame [DAR16].

Multi-Genre [DHD+19].

Multi-Input [CD17].

Multi-Microphone [PC19, SNTD19, SHG15b, VH19].

Multi-Output [CD17].

Multi-Party [BSL15].

Multi-pitch [DHP14].

Multi-Purpose [GKC16].

Multi-Resolution [PP19].

Multi-Session [LH14].

Multi-Song [HDBG14].

Multi-Stage [GTS+19].

multi-style [VZC14].

Multi-Talker [WYSD15, YLL15].

Multi-Task [FOBP15, YX19].

Multiband [PPS17, XWWW18].

Multiband-Structured [PPG17].

Multichannel [BP14, BIK+18, Bay15, CONVC18, DDNN19, Emu18, HCBY18, IBN+18, KSK+15, LPHCB14, LBR16, LBR18, LGH18, LGH19a, LGH19b, LZN14, Lin18, LFD14, NV18, NLV16, OIY+14, RKL14, SWW+17, SEM+14, SK16a, SMV14, SBM+19, TH17, TS14, XMB18, YK14, ZDL18].

Multilayer [NXH+17].

Multilingual [SV17, ZHZ+16].

Multiloudspeaker [FWF17].

Multimedia [Ano17-58, Ano16g, Ano16h, Ano17l, Ano17m, Ano17n, Ano17o, Ano17p, Ano17q, Ano18l, Ano18m, Ano18n, Ano18o, Ano18p, Ano18q, Ano18r, Ano18s, Ano18t, Ano18u].

Multimicrophone [GVMG17, KHHJ19b, SHG16].

Multimodal [DTC17, GMH17, HM14, SLH17].

Multiobjective [WDDL18].

Multipitch [SY15].

Multiple [AHSS+18, ATV16, AM18a, AB15, BA16, BCA15, BOL+18, CH18, ESJ17, JYB+15, LGTG17, LW+14, LAK16, LGH17].
MMB17, MGGK17, NR14a, NYS17, PHK16, SLOV15, SSS18, TOS14, TS16, WED16, XNP+18, XDC+17, YLPL19, YZLY17, YHO+17, ZA14, ZH15, ZJD+15, KMG17].

**Multiple-Speaker** [LGHG17].

**Multiplicative** [FK19, HBB17].

**Multiplicity** [PBC16].

**Multirate** [YLJ16].

**Multiscale** [KDY14].

**Multisession** [GH17].

**Multisource** [LMC18, WRK18].

**Multispeaker** [SGH17c].

**Multitalker** [KYTJ17].

**Multitask** [BSR17, CM15, DCLHJ18, TMM18, TLWV17].

**Multiview** [GFG+14, MAST15, MBD+15].

**Multizone** [CH14, DRK18, JK15, RBR16].

**Music** [AS17a, AB15, CWYC17, CDW16, DHYG14, HJC19, JSYW16, KHCW15, KG16, LSW18, NWM16, NNS16, NYS17, PJA14, RV14, RLS+18, RrdM16, SBV17, SBD16, SY15, TOS14, VML14, YBC+14, ZCYZ18].

**Musical** [ARW+16, AB15, CWYC17, CDW16, DHYG14, HJC19, JSYW16, KHCW15, KG16, LSW18, NWM16, NNS16, NYS17, PJA14, RV14, RLS+18, RrdM16, SBV17, SBD16, SY15, TOS14, VML14, YBC+14, ZCYZ18].

**Named** [XHS+18].

**Names** [MK15a, PBQ15].

**Narrow** [AA17].

**Narrow-Band** [AA17].

**Narrowband** [AS15, CE14, FK19, JTHN14, LC16b, MX17].

**Nasalized** [VAP19].

**Natural** [CSJD16, CWH+16, LFH+15, RG15b, RLK14, SHD14].

**Naturalistic** [DSH18, KSH17].

**Near** [ATP16, HCJT15, MF18, PC19, ZS1A16].

**Near-End** [HCJT15, PC19].

**Near-Field** [ATP16, MF18].

**Nearest** [MD14, SDK17].

**Nearest-Neighbors** [MSD14, SDK17].

**Neck** [MVH16].

**Neck-Surface** [MVH16].

**Need** [GSA18].

**Negative** [ATA16, BDV+14, BOL+18, DYLH17, ED18, MD16, ONK16, ZIX+16].

**Neighbors** [MSD14, SDK17].

**Network** [ACRS14, BSR17, CSS+19, CLC+15, CLW+16, CLW+19, CGK15, DHD+19, DKO+18, DWX+16, FLMS16, GTV19, HW14, KCMW17, LTWT17, LSW18, LCM18, May18, MZM15, NW15, OZG18, QTY16, SS16, SBD16, TQY16, TQH+18, TB18, WDDL18, WWS+18, XAHJ+14, YCH19, YHO+18, ZW16a, ZZN+16, ZKH18].

**Network-Based** [GTV19, May18].

**Networks** [AHMJ+14, AF18, AM18a, AdTJ18, BMM17, BRD15, CBA+15, CLAG16, CLED14, CM15, CG17, CPSFC+14, CG16, DHCS15, DABS+18, DQY18, DTDL16, FB18, FB19, FWT+18, GWG+14, GRSP17, HKHJS15, JG19, JXLW14, KG16, LW15, LS14a, LWC18, MB15, MDY+15, MKA16, NLV16, PS19, PD+16, PHM+17, QBTY16, SW+17, STS18, SHAGPRZ17, SF18, SHD14, SH17a, STBC17, SWCN19, SNS15, TWZ+18, TCW19, TCY15, TL19, VMOL16, WAS14, WS14, WDDL17, WC18b, WCY19, WYS15, XDDL15, YLZ+18, YMM19, YJX19, ZCY16, ZHH18, ZHH19, ZPD19, ZLF19, ZZ19, ZJD+15, rPH+17].

**Neural** [AHMJ+14, AF18, AdTJ18, ACRS14, ASC+18, BSR17, CLAG16, CLED14, CLC+15, CM15, CLW+16, CZY+18, CLW+19, CGK15, CG16, DHD+19, DABS+18, DKO+18, DQY18, DBM15, DWX+16, DTDL16, FLMS16, FWT+18, GWG+14, GTV19, GRSP17, HW14, HKHJS15, HSH+18, JHLK18, JG19, JXLW14, KG16, LW15, LS14a, LWC18, MB15, MDY+15, MKA16, NLV16, PS19, PD+16, PHM+17, QBTY16, RCL18, SW+17, SS16, SF18, STBC17, SBD16, SXZ+18, SWCN19, SNS15, TQY16, TWZ+18, TWC+18, TB18, WS14, WDDL17, WTY18, WTZ18, WDDL18, WUF+18,
Object [JYB+15]. Objective
[BvWM18, FBE19, KNH+18, KTJ19, MGT15, PCLP14, TM14]. Objects
[JYB+15, MF17]. Oblique [SK18].
Observation [LKHU14, NHK16, RLPK15]. Observations [IO19]. occurrence
[CBCL15]. Off [SLJ18, ACRS14]. Off-Grid [SLJ18]. Offset [BBM17, WO16]. On-Bird
[SBG17]. On-the-Fly [ED017]. One
[DTN+14, ED18, MJJ+14, SMB18].
One-Dimension [MJJ+14].
One-Dimensional [SMB18].
One-to-Many [DTN+14]. Online
[AA17, AKN+16, BH18, CH15, DBN+17, ESJ17, HIA+17, LSW18, LSDM19, LGGH19a, MX17, MP16, SGH15a, TMH+14, YK14, ZHB+18]. Only [LFI+17]. Onsets
[Lin18]. Ontologies [JHLK18]. OOV
[HBF+16, SF17]. Open
Opening [KKGH16]. Operated [ISZA15].
Operator [KPH15]. Operators
[MSB18, SH17b]. Opinion
[MSFK15, YJX19, ZWX15]. Opportunities
[Li15]. Optimal
[AR16, FWF17, HCJT15, JBC16, NHK16, NJC16b, SKH+15a, Wid19, YEY17].
Optimization [ABA17, BC17, CFMM14, DwWM14, FWT+18, GEC19, GDC19, GY14, GG18, HKHS15, JEP14, KKHJ19a, LCZ+14, RBR16, SLK17, TK14, TR14b, YHO+17, ZCQ+19]. Optimized
[HGT15c, MKA16, MK16]. Optimizing
[BA16, BY15]. Option [FMN+19]. Order
[BBJ18, CM18, CASZ17, HB17, Hel14, MIYO14, PC16a, SAP14, WC15, WC16a, vMM14, NCC15]. Organization [vLSY+14]. Orientation [GI15]. Oriented
[LXS+18, WYH+15]. Orthogonal
[DMVP16, MJZ15, SOF15, XNP+18].
Orthonormal [VDC+17]. Other
[DSMD15, ZP15]. our [DRFO14]. Outcome
[MHB+18]. Outdoor [SMSV17]. Outlier
[CDWA17]. Output [CD17, NYS17].
Over-Determined [OG14, WRC16].
Overlapped [CDLX18, SH17b].
Overlapping [LVW+14, YB14, Ziv15].
Overview [LDGHU14, RLS+18, WC18a].
Packet [ISZA15, LC16a]. Packets
[FZZ+15]. Page [Ano17c, Ano14i, Ano14j, Ano14k, Ano14l, Ano14m, Ano14n, Ano14o, Ano14p, Ano14q, Ano14r, Ano14s, Ano14t, Ano14u, Ano14v, Ano14w, Ano14x, Ano14y, Ano14z]. Parsing
[MD18]. Parse [SK14]. Parsing
[CZZ15, LCZ+14, ODSM16, WYH+15, YZL+18]. Part [SD16a, DV14a, DV14b].
Partial [HL15, MD18]. Particle
Ano14-64, Ano14-76, Ano14-65, Ano14a,
Ano15-50, Ano15-51, Ano15-52, Ano15-53,
Ano15-54, Ano15-55, Ano15-56, Ano15-57,
Ano15-58, Ano15-59, Ano16k, Ano16l,
Ano16-32, Ano16-38, Ano16-33, Ano16-39,
Ano16-29, Ano16-30, Ano16-31, Ano16-34,
Ano16-36, Ano16-40, Ano16-35]. Processing
[Ano16-37, Ano16-41, Ano17-59, Ano16i,
Ano16j, Ano17r, Ano17z, Ano17s, Ano17-27,
Ano17t, Ano17u, Ano17v, Ano17w, Ano17x,
Ano17y, Ano18v, Ano18w, Ano18x, Ano18y,
Ano18z, Ano18-27, Ano18-28, Ano18-29,
Ano18-30, Ano18-31, Ano18a, Ano19a].
Processor [YLD15]. Product
[CBC19, PBC18]. Production
[ACB17, TKT17]. Profiling [PCG17].
Program [Ano17-68, Ano17-69]. Programming
[ABA17, BC17, BC18, SD16a, ZCYZ18].
Progressive [CDLX18]. Projection
[FLB16, SK18, ZN14]. Projection-Based
[FLB16]. Projective [LKPR18, MAST15].
Pronunciation
[CJ15, HBF+16, QMS16, hShWsL15, WsL15].
Pronunciation-Based [HBF+16].
Propagation [PMB+19, TVJ15].
Properties [BS14]. Proportionate
[LG16, PPSG17, ZN14, ZYG+14]. Prosodic
[Chi18a, NAK+17]. Prosody
[CHC+14, CWH+16, HWW16, OL15, SZL19].
Prototype [yLSY+14]. Pruning [TZZ15b].
PSD [KDJJ17, ET18, FSA18, KBG18,
KDJJ16, RG17, TH17]. Pseudo
[GBH16, JLU18, WC18b].
Pseudo-Determined [WC18b].
Pseudo-FMLLR [JKU18].
Pseudo-Whisper [GBH16].
Pseudospectral [BS14]. Pseudospectrum
[MKA+14]. Pseudospectral [BS14].}

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[MG18]. Psychological
[WWLL14]. Psychophysical [YLD15].
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publication [Ano14-77, Ano14-78,
Ano14-79, Ano14-80, Ano14-69, Ano14-70,
Ano14-71, Ano14-72, Ano14-73, Ano14-74,
Ano14-75, Ano14-76, Ano15-50, Ano15-51,
Ano15-52, Ano15-53, Ano15-54, Ano15-55,
Ano15-56, Ano15-57, Ano15-58, Ano15-59,
Ano16-38, Ano16-39, Ano16-40, Ano16-41].
Publish [Ano14-90, Ano14-91]. Publishing
[Ano18-43]. Pulse [DLG18]. Pulses [PT14].
Purpose [GKC16]. Pursuit [WZS14].
Pyramid [OGZ18].
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QIM [LJK17]. Quad [SW16]. Quad-Based
[SW16]. Quadratic
[ABA17, BS14, Wd18]. Quality
[AKG+17, BvWM18, BMVG17, Bre15,
CSS+19, DRK18, FBE19, KA16, KNH+18,
LFU+17, MGT15, SSFP18, VP17].
Quality-Based [DRK18]. Quantization
[CJ15, MK16, WCY15, YHO+18]. Quasi
[ARSA14]. Query
[yLS14, MAP14, RAB18, WJ15a].
Query-by-Example [MAP14].
Query-by-Singing [WJ15a].
Query-by-Singing/Humming [WJ15a].
Question [BGD+18, LWJ19, ZH+16].
Question-Specific [LWJ19]. Questions
[KG19].
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Radial [ATP16]. Radiance [BRD15].
Radiated [XWW18]. Radiativity
[MSS17]. Radius [JEP14]. Random
[yLS14, NYD18, PVM15, SAK16, YLL15,
ZH15]. Randomization [BF18].
Randomized [ZH14]. Rank
[BIK+18, CJ15, EIPB+19, HOJ15, PAK14,
PCB16b, SLGZ15, SMW14]. Rank-Based
[PCB16b]. Ranking [LXS+18, ZLS16].
RANSAC [TS14]. Rao [SGH17b, WCY19].
Raphson [FB19]. Rapid
[DKO+18, KGW17, VTN15, XLY18].
Rate [AHF+19, BMM17, CLAG16,
CHC+14, JBT15, LJ17, LCWC16, SH14b,
SKH+15b, WDI6, ZG16, ZH18].
Rate-Constrained [AHF+19].
Rate-Controlled [LCWC16, CHC+14].
Rate-Distributed [ZH18]. Ratio
[BA19, CASZ17, CC14b, SAC17, SK15,
```
Repeated [JFG+17]. Repeats [NNS16].

Representation [AGW15, ADM+17, BA19, CHL+19, LLL+19, MBD+15, PKA14, Rak17, SAS17, SZL19, SKH+15b, VML14, WVCL14, ZKA15, ZPP15].

Representation-Based [AGW15].

Representations [BV17, CZZ15, CSAR+14, DSMD15, MMC18, PHM+16, RG15a, SY15, YCLS17, YGG14, ZXH+16, vHK14].

Representing [WLL15b].

Reproduction [DRK18, HGT15a, HGT15b, JSR16, JK15, KBV16, KBV17, KFH+14, SR14, SvWRK15, TZA14, VDM15, ZA14].

Reranking [SKK14].

Rescoring [LCW+16].

Reshaping [MJ18].

Residual [Emu18, RBBG15, TQH+18, TCW19, WVCL14].

Resilient [YBC+14].

Resolution [BP14, DTDL16, KKKH16, PP19, RARR15, RF19, SKH+15b, TOS14].

Resource [Ano16-48, Ano16-49, CM15, HLL15, HOF15, LGR14, SV18, YTWB19, YGS19].

Resource-Limited [HLL15].

Resources [DBM15, NNC19].

Response [ADM+17, BWH18, CCR16, COH18, KBT19, LXS+18, TWSS16, XSL+19].

Responses [BA16, DMP+18, KB14, MCD14, TP15, Ter16, VDC+17].

Restoration [DM16, KSK+15].

Restricted [NTA15, NTM16, NTY19].

Results [MBK17].

Retrieval [ARS16, KSL19, yLSL14, sLGyLaC15, LCW+18, PDS+16, RRdM16, VML14, ZXH+16].

Reverberant [AGBC14, CW18, CASZ17, DW17, DPHG18, FSA18, FO17, FK19, JWL14, LKH14, MMB17, MGK17, SAC17, SWCN19, VBY18, WRK18, ZW17, ZW14, ZW15, ZW19].

Reverberation [BRD15, BKS+18, CS19, DBN+17, HCJT15, KD18, KDJD16, KDJD17, LBR16, LYN14, Lin18, NR14a, PLZL17, SH14a, SH14b, SGH17b, XGKM19].

Reverberation-Robust [Lin18].

Reverberator [PCLP14].

Reverse [DM16].

Reversion [RJCW17].

Review [MSRND14, WDS+18].

Reviewers [Ano14-81, Ano15-70, Ano17-67, Ano18-66].

Rhythm [GKC16, HS15, MFG15, NYS17, RDP14].

Rhythm-Based [RDP14].

Rich [SKK14, YZV+18, ZP15].

Riesz [AS15].

Risk [CY15].

RLS [CC15, ZN14].

RNN [GG18, NTA15, SKK17].

RNN-Based [GG18, SSK17].

Robot [TR14b].

Robots [TR15].

Robust [AV16, AS17b, AM18b, ATP19, ABKP19, BC17, BC18, BE17, BCB15, CBA+15, CCR16, CZ17, DSH18, GMH14, GWG+14, GI15, GB16, GCWMJ14, GB14, GJB15, HAGS16, HH14, HCBY18, HIA+17, HHC16, HLY16, JFG+17, KGP14, KAJC16, KS16, KD17, KMG17, KSSH18, KHHJ19b, LWZ+14, LDGH14, LS14a, LM15, LMC17, LZN14, Lin18, Lin19, MM17, MGB18, MPAE15, MPC16, MMCF18, May18, MZX+15, MAK15, NW14, NXCL16, Non14, PC16a, QTY16, QBTY16, QCDW17, MG18, RH18, SH14a, STH+18, SDF18, SMB+19, SW16, SKM17, SLW15, TD16, TQH+18, TMM18, TMMZ+15a, TWSS16, TV15, TMK17, TS16, WW16, WED16, WYH17, WCC19, WZ19, XNG+14, YG14, YLY15, ZHH16, ZBC14, ZWN14, ZCO+19, dCSVAG15, VZC14].

Robustness [CH18, HGT15c, NW15, SK16a].

Role [DBM15].

Roles [YW14].

Rolling [CDA+14].

Room [ADM+17, BWH18, BA16, BQO+17, BHBS16, BS14, CCR16, DHCS15, DAVW15, EGMM16, FdDAR16, HB17, KB14, MCD14, MNFG19, SAP15, SRH15, SWCN19, TZA14, TP15, Ter16, VDC+17, XGM18, YB14, vMM14].

Rotating [MXN19].

Rule [ZP15].

S1.11 [YLJ16].

Safe [FNM+19].

Sample [BRE15, WBSG18, ZDLK18].

Sampling [BBM17, BKK15, WD16].

Savitzky
[CHL±19, DDZS17, DSN18, SZX±18, TL19, WL19, YZW±18, ZLL±19].

**Sequence-to-Sequence**

[CHL±19, DSN18, ZLL±19]. **Sequences**

[BCA15, CCR16, XNP±18]. **Sequential**

[FMD14, GLC±14, RCL18]. **Session** [LH14].

**Set** [RARR15, TD16, WSY14, ZH15]. **Sets**

[MKA16, PAB19]. **Severe** [SAB16].

**Shaping** [KBT19, YHO±18, ZTQB19].

**Shift** [SKSD14]. **Shifting** [HGT15b]. **Short**

[HCJT15, KTJ19, LWZZ16, PDS±16, VH19, WHQY19, YZLY17, YZW±18].

**Short-Duration** [WHQY19]. **Short-Term**

[PDS±16, YZLY17]. **Short-Time**

[HCJT15, KTJ19, VH19]. **Shot** [ASC±18].

**Show** [DAFS15]. **Siamese** [ZPD19].

**Sidetone** [ABV19, DST±19]. **Sign**


[CWW14, DMVP16, EJ16, KSK±15, KD17, KHHJ19b, PCW15, RMBK14, SWW±17, SNTD19, SK18, SBVM16, VS14, VDM15, YZLY17]. **Signal-Dependent**

[DMVP16, KD17]. **Signal-to-Noise**

[CWW14]. **Signals**

[AKG±17, BP14, BSWP18, CT14, EJS17, HTG14, JD17, LSW18, LJK17, MP16, NWM16, NR14b, SK17, SB18, TOS14, TZZ±15a, VM15, WAS14, XNRG15, XGKM19, ZG16, Ziv15, vHK14]. **SII**

[HCJT15]. **Silent**

[BSWP18, KCMW17, MHD±17]. **Similar**

[MWT16]. **Similarities** [PHM±16].

**Similarity** [BA16, BM15, FMD14, FDK15, yLS14, OR16a, PHMB18, QW±19].

**Simple** [ZYF18]. **Simplified** [GLQ16].

**Simulating** [LLR±16]. **Simulation**

[BHBS16, BH19, CMFM14, HH17, HH14, KBV17, vMM14]. **Simulations**

[DAWM15, SwRK15]. **Simultaneous**

[SM18, TK14, YHO±17]. **Singer** [HL15].

**Singing** [CWW16, DAR16, HL15, IY16, KG16, MTBB15, TOS14].

**Singing/Humming** [WJ15a].

**Single**

[AM18b, AY15, BXY14, CDLX18, DAFS15, DB18, DBN±17, DTL16, GH17, GRSP17, HSPK18, KG14, LK19, MK15b, MK15c, MBK17, PSL±16, SGM±15, Tt16, VP17, WFN±18, WWD14, WDDL17, WYS15, WK18, XGKM19, YKMP18, YLL15, ZTQB19, ZPP15]. **Single-** [DAFS15].

**Single-Channel** [AM18b, BXY14, CDLX18, DB18, DBN±17, DTL16, GRSP17, KG14, LK19, MK15b, MK15c, MBK17, PSL±16, SGM±15, WFN±18, WWD14, WDDL17, WYS15, XGKM19, ZPP15].

**Single-Microphone** [YKMP18, YLL15].

**Single-Stage** [HSPK18]. **Sinusoidal**

[AF19, AJB±18]. **Sinusoidal-Based** [AF19].

**SiPTH** [MTBB15]. **Size**

[AA17, Brel15, CC14a, TM16, ZZ16]. **Sized**

[HWC±17]. **Sizes** [KKJN17]. **Skips**

[NNS16]. **SLAM** [EN18]. **Slavic** [ZP15].

**Sliding** [ZN14]. **Sliding-Window** [ZN14].

**Slot** [MDY±15]. **Small** [Brel15, CWH±16, HWC±17, LR17, TD16, WCCB19].

**Small-Footprint** [LR17]. **Small-Sized**

[HWC±17]. **Small-Spacing** [WCCB19].

**Smoothing** [HWW16, JC17, RG17].
Smoothness [TOKS14]. SMT [ARSLN16].
Snapshot [Ter16]. SNR [AY17, CH15, EMTF17, ET18, HBLC14,
KK14, LM15, MK15b, SFK15, SLGZ15].
SNR-Invariant [LM15].
Social [LTWT17, XHS +18].
Society [Ano14-33, Ano14-34, Ano14-35, Ano14-36, Ano14-37,
Ano15-39, Ano16u, Ano16v, Ano16-27, Ano16-28, Ano16w, Ano16x, Ano16y,
Ano16z, Ano17-38, Ano17-39, Ano17-40, Ano17-41, Ano17-42, Ano17-43, Ano17-44,
Ano17-45, Ano17-46, Ano17-47, Ano17-48, Ano17-49, Ano17-50, Ano17-51, Ano17-52,
Ano17-53, Ano17-54, Ano17-55, Ano17-56, Ano18-44, Ano18-45, Ano18-46, Ano18-47,
Ano18-48, Ano18-49, Ano18-50, Ano18-51, Ano18-52, Ano18-53, Ano18-54, Ano18-55,
Ano18-56, Ano18-57, Ano18-58, Ano18-59, Ano18-60, Ano18-61, Ano18-62, Ano18-63,
Ano19d, Ano19e, Ano19f, Ano19g, Ano19h, Ano19i, Ano19j, Ano19k, Ano19l, Ano19m,
Ano19n, Ano19o, Ano19p, Ano19q, Ano19r].
Society [Ano19s].
Soft [ZH19].
Solo [AS17a]. Solution [FB19, PCB15].
Solutions [WW15]. Solving [SDDCC15].
Some [ZP15]. Song [DHY14]. Songs [FDK15].
Sonority [SP17]. Sound [APH14, AM18a, ADM +17, BOL +18, BLLP17,
BvWM18, CONVVC18, CPSFC +14, ÇOH18, DTC17, DHP14, EJ16, FPTJ17, FPTJ18,
HWT +17, JC17, KMM +18, KBV16, KBV17, KNH +18, KSN +19, KMG17, KXS +19,
LLR +16, LGTG16, MGB18, MSS17, MJ18, MBM15, MAB +16, MSB18, MZX +15,
MDE +19, MNFGO19, NV14, NDV18, NHH16, OR16b, OFF +17, OIJ +14, PS19,
PLZL17, PSL17, PCG17, RBR16, RVB +17, SSKP16, SPM17a, SPM17b, SBG17,
TOKS14, TOS14, TH14, TH16, VDM15, WWS +18, WAS16, WSFS19, YLPL19, ZA14,
ZPD19, rPH +17, Ano16-52, Ano16-53, Ano16-54, Ano16-55, Ano16-56, Ano16-57].
Source [AV16, APH14, AM18a, AJLW14, ATP16, AB14, AB15, CBA +15, CONVVC18, CW18,
CZY +18, CS19, CY16, CK19, ÇOH18, DDNN19, EDO17, FSA18, FSO17, FPTJ17,
FPTJ18, FK19, GVMGO17, GRSP17, HHHJS15, IBN +18, JSYW16, JVR16,
KOS +16, KNH +18, KMG15, LKP18, LGTG16, LGTG17, LBR16, LBR18,
MBG18, MBD18, MV19, MMT +19, NV14, NLY16, OOK17, OIJ +14, PCB14, MG18,
RJCW17, SOF15, SDF18, SGH17c, SGH17a, SP17, SLL +16, SLOVB15, SPM17a,
SPM17b, SWCN19, SSS18, TH18, TS14, TWSS16, TE16, WWD14, WRC16,
WHRC16, WC18b, XWWW19, YLPL19, YZLY17, ZH15, ZP15].
Space [BDL15, CL14a, FGQ +15, HB17, KMB18, LFH +15, MAST15, MAB +16, MFG15,
MBD +15, PC19, WZL +15, WSH15, ZAZ +18].
Sources [WBSG18]. Spacing [WCCB19].
Span [JBC16]. Sparse [AKB +16, AGW15, ADM +17, BOL +18, BABC19, Ch18b,
CDW16, CSAR +14, CT14, DBK15, FK19, FWF17, HL14, HOF15, JSYW16, JK15,
JvWGD15, KKK15, LG16, PAK14, PAB19, RAB18, SAS17, SLZ19, SB18, SLY14,
SLGZ15, VDC +17, WAS14, WVC14, YGV14, ZF14, ZKDS18]. Sparsely [SMSV17].
Sparsity [AGBC14, Bay15, JYB +15, LGHG17, ONKP16, TH18, ZZLZ19].
Spatial [TH18].
CONVVC18, CH18, DMVP16, FLB16, HGT15a, HGT15b, HIA+17, IO17, IBN+18, KMG15, LGHG17, MF17, NV14, OGZ18, PAB19, RKN14, SAC17, TZA14, TH14, TH16, TTH14, VDM15, WW19, WSFS19, YLPL19, ZHH18, ZHB+18. Spatially

[ATP15]. Spatio

[ADM+17, JCBJ15]. Spatio-Temporal

[ADM+17, JCBJ15]. Speaker

[AS17b, CBG15, CL14b, CL17a, CL17b, CL18b, CL18c, DAGS+18, DAFS15, DQY18, DPHG18, FMB16, FNM+19, GH17, GHAP17, HH14, HGAPB15, JG19, JJB16, JKU18, KH16, KML18, KCMW17, LGTG18, LM15, LWZZ16, LMC17, LGHG17, LCWC16, LH14, LCM18, MPC16, MZN15, MH18, MSD14, NTY19, PBQ15, RSR+19, RH18, SH14a, SAB16, STH+18, SDK17, STT+19, SG14, SKAK16, SAK16, TMM18, TMMZ18, TLWV17, TCY15, TMH+14, VMOL16, WW19, WHQY19, WZW19, WDD+16, XLLY18, YB14, YH17, ZSB17, ZCY16, ZKH18, ZWW14, ZWW15, ZEM18, VZC14]. Speaker-Adapted

[DAGS+18]. Speaker-Adaptive

[HGAPB15]. Speaker-Dependent

[NTY19]. Speaker-Independent

[kCMW17, LCM18]. Speakers

[Lin18, Lin19, NR14a, SCEH19]. Speaking

[CHC+14, JBTJ15, LCWC16, TMH+14]. Special

[Ano16-50, Ano16-51, Ano16-52, Ano16-53, Ano16-54, Ano16-55, Ano16-56, Ano16-57, LFH+15, RVB+17, SHKB17]. Species

[JK19]. Specific

[LWJ19, SLL+16]. Specification

[YLJ16]. Spectra

[NTY19, SPM17a, SPM17b, SLY14, SKH+15a]. Spectral

[AF18, Bay15, BS14, BKS+18, DNN19, FFS18, GSA18, GKC16, HWW+15, HL18, ISP19, JFG+17, JRA17, KD18, KJTJ19, KBG16b, LKHU14, LS14a, LGGH19a, MGB18, MD18, MTH18, MAT15, MKMCM17, NWM16, PS17, PK15, SH14a, SSK17, SY15, SKH+15b, VRN18, WLL+15a, WGD15, WW19, ZKDS18]. Spectral-Amplitude

[KTJ19]. Spectro

[MD16, NXCL16, SGA15, vHK14]. Spectro-Temporal

[MD16, NXCL16, SGA15, vHK14]. Spectrum

[KS+15, KMG17, PSL17]. Spectrum

[AS15, BIK+18, BV16, DSMD15, MIYO14, TOKS14, TOS14]. Spectrotemporal

[ATS18]. Spectrum

[HGT15a, HHC16, MPAEBLB15, SZL19, SKH+15a, TTB+16, VM15, XNRG15, XNP+18, YLPL19, YMM19]. Spectrum-Based

[XNRG15]. Speech


[Ano16-41, Ano16i, Ano16j, Ano17-59, Ano17-60, Ano17r, Ano17v, Ano17-27, Ano17t, Ano17u, Ano17v, Ano17x, Ano17y, Ano17-57, Ano18, Ano18w, Ano18x, Ano18y, Ano18-28, Ano18-29, Ano18-30, Ano18-31, Ano18a, Ano19a, Ano19t, AS15, ACRS14, AGBC14, ACB17, AZGN14, BVGV15, BF18, BIK+18, BXY14, BA19, BHS+16, BE17, BD16, CE15, CSS+19, CLAG16, CW14, CHC+14, CHWL14, CRVB+15, CM15, CH5, CWH+16, CLW+16, CMY16,
CDLX18, CLW+19, Chí18a, CMG+17, CTL17, CH14, DHD+19, DP16, DLG18, DW17, DBK15, DXZ+18, DTL15, DST+19, DB15, DB18, DB19, DTN+17, DSN18, DTN+14, DBN+17, DRK18, DH14, DTDL16, DSH18, EMFT18, ESVK17, ET18, EZE14, GFG+14, GVMOG17, GDC19, GT19, GI18, GI15, GBH16, GCJ+14, GGC+17, GJB15, GJ17, HW14, HWW+15].

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[QTY16, QBY16, RKLI14, RFW16, RKN14, RG18, SV17, SP16, SWW+17, STS18, SSFP18, SF18, SDDCC15, SAA15, SM14, SGH15b, SGH15a, SGH16, SKSD14, STBC17, SR14, SAS17, SFIL17, SMB+19, SH17b, SSK17, SKDN14, SKM17, SM18, SL15, SLGZ15, SZV16, SK18, TM14, TTB+16, TQH+18, TCW19, TQW17, TB18, TH17, TJCB16, TKT17, TK14, TR14a, TE16, VBY18, VM15, VP17, VAP19, WWN+18, WWOD14, WS14, WNWW14, WCC+15, WLL+16, WW16, WDDL17, WTY18, WB18, WDDL18, WC18a, WLT+18, WTH14, WYSD15, WJ15b, WWW16, WW17, WRDP17, WHLG14, WZS14, WK16, XWWW18, XLL+19, XDH+17, XGKM18, XGKM19, XDDL15, XDC+17, XAHJ+14, XMBN18, YBC+14, YK14, YB14, YLL15, YTWB19, YGV14, YZLY17, YHO+17, YHO+18, ZCF14, ZHI14, ZF14, ZCDS15, ZW16b, ZG16, ZZN+16, ZW17, ZLF19, ZW19, ZZ19, ZJD+15, ZSIA16, VZC14].

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Speech-in-Noise [ZSIA16].

Speech-to-Speech [DTN+17].

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[BKK15]. Spherical [AR16, ATP16, CM18, DMVP16, EJ16, FSA18, Hac14, HMI17, HZF17, HZF18, JTHN14, JSR16, JEP14, JC17, NR14a, SSTS18, SAC17, SR14, SWRK15, TP15, Ter16, ZKA15].

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[CLAG16]. Spoken [Ano16-50, Ano16-51, CTLL17, CL18a, FLSM16, HS15, KG17, yLS14, yLSY+14, sGLyLaC15, LC18+18, LL19+19, MAP14, MDY+15, RAB18, RV17, SWH+17, SHKB17, SLK17, WLLL14].

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Spotting

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SR-HPM [LCWC16].

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SRRank [YW14].

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Stacked [WK16].

Stacking

[ZZN+16].

Stacks

[BWH18].

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Start [HSPK18].

Startle

[DMP+18].

State

[JHLK18, LB16, MSRN14, PC19, WHLG14, WLL15b, YSZC15, ZJD+15].

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State-Clustering [ZJD+15].

State-Space [PC19].

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[AJB+18, AKN+16, BY15, Bre15, CRVB+15, CZY+18, GJB15, HL18, HSZ+18, JBT19, KK19, KBG16a, MHPB15, MSD14, NNC19, NAK+17, RLK14, STS18, TTB+16, TKT17, TZZ15b, WZL+15, WTY18, WTZ18, XZW15, YEY17, ZLJS16, ZDLK18].
SLH17, TTB⁺16, WTY18, WAS16, WWH⁺18, WSFS19, WHLG14, WK16, YHO⁺17, YHO⁺18. **Synthesized** [YGS19]. **Synthesizer** [CMG⁺17]. **Synthesizing** [RHvdp⁺16]. **Synthetic** [ARSLN16, EKZ14, LWL⁺19]. **System** [JZJ⁺19, KBV17, KG17, yLSY⁺14, LAK16, LG16, MTS⁺19, MGT15, ODG16, PS17, PBC18, RBR16, SGM⁺15, SP17, SBB16]. **Systematic** [YLJ16]. **Systems** [AA17, Ano19c, AZGN14, BLPL17, CE14, Ch18a, CB14, EIPB⁺19, HHHK18, KG19, LK19, LC16b, LSY19, MSFK15, MMMDL⁺14, MSD14, RLK14, SSK17, WBSG18, WLL15b, XWZX16, YLJ16].


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Using [MAT15, MK16, MK15b, MJJ+14, NYD17, NTA15, NTM16, NNC19, NXCL16, NCC15, NNL15, NDV18, NAK+17, ODG16, PS19, PS17, PDS+16, PC19, PCB16b, MG19, RGI19, RRM16, SAB16, STH+18, SP16, SOF15, SDF18, SAP14, SAC17, SD15, SGI7, SGH15b, SGH15a, STBC17, SLG1A15, SP17, SmWRK15, SLL+16, SFK15, SLOVB15, SMH14, SLH17, SMSV17, SCEH19, SLGZ15, SZVZ16, SWCN19, TZA14, TH14, TH18, TP15, TR15, TNS+18, VRN18, VM15, VP17, VAP19, VDM15, WAS14, WWD14, WGD15, WCC+15, WRC16, WHRC16, WED17, WWS+18, WJ15b, WAS16, WSY14, WHLG14, WSH15, WJL15, WK16, WRK17, WRK18, XNP+18, XLL+19, XYH14, YB14, YGV14, YZW+18, YWLZ18, ZP15, ZZN+16, ZG019, ZDK18, DH14, LZHN14, MAP14, NR14a, ZA14].

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Variability [MBD15, SLL16, VMOL16].

Variable-order [NCC15].

Variance [ABKP19, Nos16, WCC+15].

Variants [ATS18]. Variational [AV16, KKH19, KBGAP+16, SEM+14].

Varying [KBGAP+16, LG19, LS14b]. Values [NYD17]. Valued [Emu18, HHC16, LK19, NTY19].

Variabilities [KMAB18].

Variability [MBD+15, SLL+16, VMOL16].
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