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4 [CRH⁺14].

1 [GCJ⁺14]. 2.5 [WAS16]. 3
[CT14, GDM18, HB17, SMH14, vMM14]. α
[VZC14]. β [FSO17]. ℓ_1 [FWF17]. *I*
[CL14a, MPC16, MZM15, SLK17, BHS⁺16,
CPL14, XYH14]. *N* [MHBT15].

-D [HB17, CT14, WAS16].

-Divergence-Based [FSO17]. **-Gram**
[MHBT15]. **-integration** [VZC14]. **-Norm**
[GCJ⁺14]. **-Optimal** [FWF17]. **-Vector**
[BHS⁺16, XYH14, CPL14, MPC16, CL14a].
-Vector-Based [SLK17]. **-Vectors**
[MZM15].

14 [FWM⁺14a].

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[WC16b]. **Accordance** [WC16b]. **Accuracy**
[HB17, OHN16]. **Accurate** [MBM15]. **ACE**
[EGMN16]. **ACM**
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Aligned-Parallel-Corpora [ZB14].
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All-Pole [SKH⁺15a]. **Allocation** [RV14].
Allpass [VM15]. **Alternating** [ES16, WRKG17]. **Alternative** [HWW16, MHD⁺17]. **AM** [VS14]. **Ambient** [HTG14, HGT15a, HGT15b]. **Amen** [DM16]. **Amplitude** [DAR16, FWF17, KBG16b, MAT15, MAK15].
Analog [YLD15]. **Analysis** [ARSA14, AM16, AZGN14, BDV⁺14, BSB14, CZG⁺15, CH15, CPL14, DV14a, DMP⁺18, Hac14, HMDG15, HDG16, HH14, HM14, IY16, IO17, JMD⁺17, KOS⁺16, LHD16, MHGD15, MAL18, MDM15, MGT15, OWA15, PDS⁺16, PCB15, RG17, RVB⁺17, SAP14, SGH17b, VM15, WLLZ17, WC16a, YEY17, ZA14, Ano16-52, Ano16-53, Ano16-54, Ano16-55, Ano16-56, Ano16-57].
Analytic [VS14, WAS16]. **Analyzed** [YHO⁺17]. **Analyzing** [ARW⁺16]. **ANC** [GLQ16]. **Anechoic** [ZWW15]. **Angle** [PCB14]. **Animations** [CWCP17].
Anisotropic [TOKS14]. **Annotation** [MHBT15]. **Annotations** [LCZ⁺17, ZWCT15]. **ANSI** [YLJ16].
Answering [ZXH⁺16]. **Anthropometric** [GMFG16]. **Anti** [WDD⁺16].
Anti-Spoofing [WDD⁺16]. **APA** [ZYG⁺14]. **Aperiodic** [CT14]. **Application** [CHC⁺14, GKC16, LLR⁺16, MAL18, OOK17, PDS⁺16, RKL14, SAB16, SHD14, SMVW14, TR14a, WZS14, ZCDS15, ZZH16].
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Approaches [BD16, FLMS16, RH18, RHvdP⁺16].
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Arabic [RARR15, ZB14]. **Arbitrary** [NNS16, OIY⁺14]. **Architecture** [CRVB⁺15, RARR15, YLD15, YLJ16].
Architectures [SMA⁺17]. **Areas** [SAP14].
Argument [LZ16, ZZZ16]. **Arousal** [WYLZ16]. **Array** [GEC15, HSK17, HL14, IO17, JSR16, JEP14, LWZ⁺14, NR14a, NHK16, OFF⁺17, OISO14, PCB15, SR14, SvWRK15, SPM17a, SPM17b, TP15, TCY15, TR14b, TR15, WC16a].
Arrays [AR16, CT14, Hac14, HF15, HBC17, HZF17, PCB16a, SLC⁺15, SKDN14, TH14, TH16, TJCB16, WD16, WRKG17, ZA14, ZBC14].
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Artificially [AKG⁺17]. **Aspect** [CZG⁺15].
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Attack [MKMDM17]. **Attacks** [XNG⁺14].
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Ano14-50, Ano14-62, Ano14-74, Ano14-51, Ano14-63, Ano14-75, Ano14-52, Ano14-64, Ano14-76, Ano14-53, Ano14-65, Ano14a, Ano15-40, Ano15-50, Ano15-41, Ano15-51, Ano15-42, Ano15-52, Ano15-43, Ano15-53, Ano15-44, Ano15-54, Ano15-45, Ano15-55, Ano15-46, Ano15-56, Ano15-47, Ano15-57, Ano15-48, Ano15-58, Ano15-49, 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, Ano16-37, Ano16-41, Ano16i, Ano16j, Ano17-59, Ano17-60, Ano17r, Ano17z, Ano17s, Ano17-27, Ano17t]. **Audio** [Ano17u, Ano17v, Ano17w, Ano17x, Ano17y, Ano17-57, AB14, AB15, BF18, BV16, BCA15, Bay15, BS14, Bre15, CHJ14, CWJ16, DHS15, DTC15, DVLH17, EDO17, FSO17, FM15, FLB16, GEC15, GRSP17, HTG14, HGT15a, HGT15b, HWRC15, HGT15c, JVR16, JYB⁺¹⁵, KA16, KSH17, KBGAP⁺¹⁶, LM17, LBR16, LB16, MP16, MSRND14, MF17, MMMDL⁺¹⁴, MBTB14, MK16, NNS16, NR14b, NXH⁺¹⁷, NCC15, NLV16, ODG16, PKA14, PCW15, PHM⁺¹⁶, PHM⁺¹⁷, RG15a, Rak17, ROL⁺¹⁵, SW16, SLOVB15, SKH^{+15a}, SKH^{+15b}, TZZ^{+15a}, VML14, XNG⁺¹⁴, XNRG15, XO16, XHW⁺¹⁷, vHK14]. **Audio-Based** [ROL⁺¹⁵]. **Audio-to-Score** [NNS16]. **Audio-Visual** [AZK15, DTC15]. **Audiobook** [CBG15]. **Audition** [TR14b]. **Auditory** [CE15, CHWL14, DSMD15, KGH⁺¹⁶, MAK15, SP16, TMK017]. **Aug** [FWM^{+14a}]. **Augmentation** [CGK15]. **Augmented** [CWDA17, HMN17, LLWJ16, RG15b, XWZ16]. **Authors** [Ano14-66, Ano14-67, Ano14-68, Ano14-57, Ano14-58, Ano14-59, Ano14-60, Ano14-61, Ano14-62, Ano14-63, Ano14-64, Ano14-65, Ano15-60, Ano15-61, Ano15-62, Ano15-63, Ano15-64, Ano15-65, Ano15-66, Ano15-67, Ano15-68, Ano15-69, Ano16-44, Ano16-45, Ano16-36, Ano16-37, Ano16-42, Ano16-43, Ano16g, Ano16h, Ano17z, Ano17-27, Ano17-57, Ano17-58, Ano17l, Ano17m, Ano17n, Ano17o, Ano17p, Ano17q]. **Auto** [HBB17, SZVZ16]. **Auto-Regressive** [HBB17]. **Autocorrelation** [AS17b, JFG⁺¹⁷, PT14]. **Autoencoder** [GJ17]. **Autoencoders** [DXZ⁺¹⁸, JMD⁺¹⁷]. **AutoGuitarTab** [MFG15]. **AutoMashUpper** [DHYG14]. **Automatic** [ACRS14, AZGN14, BVGV15, BHS⁺¹⁶, BD16, CJ15, CLW⁺¹⁶, DHYG14, ESVK17, HYI⁺¹⁵, HXWS15, KSH17, KKK15, KG16, LKHU14, LDGHU14, LS14b, LK16, MSFK15, MSRND14, MAK15, MKA16, NRČR14, OR16a, RARR15, RWF16, SWW⁺¹⁷, SSKP16, SBG17, SLW15, WW16]. **Autoregressive** [GMH14, MIYO14, NCC15]. **Auxiliary** [AA17, ZCY16]. **Aware** [QTY16, ZXSD17, ZM17].

Back [ACRS14, LH14, Ano14i, Ano14j, Ano14k, Ano14l, Ano14m, Ano14n, Ano14o, Ano14p, Ano14q, Ano14r, Ano14s, Ano14t, Ano15n, Ano15o]. **Back-end** [LH14]. **Back-off** [ACRS14]. **Backend** [GH17]. **Background** [CZ17, RDP14]. **Bag** [GPF17]. **Bag-of-Features** [GPF17]. **BaNa** [YBC⁺¹⁴]. **Band** [AA17, KKJN17]. **Band-Dependent** [KKJN17]. **Bandwidth** [AKG⁺¹⁷, AF18, LB16, Ziv15, ZPP15]. **Bandwidth-Extended** [AKG⁺¹⁷]. **Bank** [AM16, MAK15, SGM⁺¹⁵, WW15, YLJ16]. **Base** [FWF17, GJB15]. **Based** [AZK15, AGW15, AJLW14, BVGV15, BV17, BIK⁺¹⁸, BCA15, Bay15, BGQO⁺¹⁷, BvWWM17, BM15, BSL15, BSL16, BD16, CSJD16, CZG⁺¹⁵, CWW14, CHWL14, CJ15, CH15, CZY⁺¹⁸, CWJ16, CMG⁺¹⁷, CY15, CC14b, CC15, CPSFC⁺¹⁴, CSAR⁺¹⁴, CG16, CL17b, DvWDM14, DW17, DMVP16, DTN⁺¹⁴, DG15, FSO17, FM15, FWM^{+14a}, FWM^{+14b}, FLMS16, FLB16, FdDARF16, GY14, GR14, GCJ⁺¹⁴, HW14, HSK17,

HTG14, HGT15b, HBF⁺16, HBB17, HS15, HIA⁺17, HGT15c, HZF17, IY16, ISZA15, JP14, JFG⁺17, JT14, JvWGD15, KGP14, KLK17, KHK17, KDY14, KPH15, KK14, KD16, KMG15, KGH⁺16, KBG16b, LGTG16, LC16a, LTWT17, LGHG17, LB16, LK16, MIYO14, MK15a, MHD15, May18, MC17, MTBB15, MBD⁺15, MK16, NYS17, NXH⁺17, NNL15, NV14, NAK⁺17, OHN16, OOK17, OIY⁺14, OD17, ODG16, ODSM16, PLZL17, PCB16b, PT14]. **Based** [PM15, PHM⁺17, PBQ15, QTY16, RV14, RDP14, RH18, RG18, RMBK14, ROL⁺15, SV17, SS16, SAC17, SDK17, SDDCC15, SWH⁺17, SHKB17, SGH17a, SKSD14, SMVW14, SK16b, SAS17, SLC⁺15, SLK17, SSK17, SW16, SKDN14, TOKS14, TOS14, TM14, TM16, TQY16, TTH14, TLW⁺17, TKT17, VML14, WS14, WYH⁺15, WYLZ16, WD16, WLL⁺16, WDDL17, WYH17, WVCL14, WHLG14, WLL15b, WK16, WRKG17, XNG⁺14, XNRG15, XZW15, XDDL15, XO16, XHW⁺17, XAHJ⁺14, YK14, YLY15, YHO⁺17, YH17, ZP15, ZCF14, ZSB17, ZWCT15, ZKA15, ZW16a, ZW17, ZH15, ZJD⁺15, ZB14, ZSIA16, Ano16-50, Ano16-51, TMH⁺14]. **Basis** [PSL17, VDC⁺17]. **Bass** [AS17a, MGT15]. **Bayes** [CY15]. **Bayesian** [AV16, BIK⁺18, CH18, CY16, Chi18b, HAGSZ16, LHD16, MIYO14, OISO14, OIY⁺14, SEM⁺14, VMOL16, WAS14, WSH15, YSCZ15, ZDC14]. **Beamformed** [LWZ⁺14]. **Beamformer** [HDG16, HIA⁺17, JTHN14, JSR16, LYN14, PCB14, SGH17c, ZH14]. **Beamformers** [BC17, BCB15, DMVP16, HMDG15, Non14]. **Beamforming** [AR16, ATP15, BCB15, CT14, HL14, JSR16, MGGK17, PCB15, PCB16a, SR14]. **Beampatterns** [HBC17]. **Beat** [ZDG14]. **Belief** [SHD14]. **Between** [MVH16]. **Beyond** [sLGyLaC15]. **Bidirectional** [CH16]. **Bilingual** [LFU⁺17, WZL⁺15, YsL15]. **Binary** [DAFS15, DVLH17, RBBG15, YK17]. **Binaural** [AJLW14, AdHTJ16, DHSG15, HMDG15, HDG16, JSR16, JWLF14, MMB17, MHD15, MHGD15, May18, PLZL17, SR14, SvWRK15, SKM17, SBVM16, TMKO17, VS14, YND14, ZW17]. **Binaurally** [YKPMP18]. **Bio** [ARW⁺16]. **Bio-Inspired** [ARW⁺16]. **Biologically** [dlCSVAGAPM15]. **Biomimetic** [YLD15]. **Biosignal** [Ano16-50, Ano16-51, SWH⁺17, SHKB17]. **Biosignal-Based** [SWH⁺17, SHKB17, Ano16-50, Ano16-51]. **Bird** [KMG17, SBG17]. **Bit** [CLAG16, LJK17, SKH⁺15b]. **Bitrate** [BF18]. **Blank** [Ano14i, Ano14j, Ano14k, Ano14l, Ano14m, Ano14n, Ano14o, Ano14p, Ano14q, Ano14r, Ano14s, Ano14t, Ano14b, Ano14c, Ano14d, Ano14e, Ano14f, Ano14g, Ano14h, Ano15n, Ano15o, 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]. **Blind** [BBM17, BV16, CG17, KOS⁺16, NV14, OOK17, SH14a, SOF15, SH14b, SGH17a, TH17, WRDP17]. **Block** [BvWWM17, FdDARF16, LG16]. **Block-Based** [FdDARF16]. **Block-Sparse** [LG16]. **Blocking** [WGD15]. **Body** [MSS17]. **Boltzmann** [NTA15, NTM16]. **Bone** [SFK15]. **Bone-Conduction** [SFK15]. **Boosting** [ZW16a]. **Bottleneck** [JMD⁺17, WK16]. **Bound** [SGH17b]. **Boundary** [BHBS16]. **Bounded** [RLPK15]. **BPTT** [CH16]. **Break** [DM16]. **Bridge** [MSS17]. **Broadband** [BC17, BCB15, CT14, Non14, RMBK14]. **Broadcast** [CLC⁺15, PBQ15, XO16]. **BSS** [CY15, OG14]. **Build** [ARSLN16, PCB16b].

C50 [PSL⁺16]. **Calculation** [MV14]. **Calibration** [KH16]. **can** [Ano15z, Ano15-27]. **Canceler** [YEY17]. **Cancellation** [AA17, AR16, BvWWM17, CSAR⁺14, DLMM⁺18, FWM⁺14a, FWM⁺14b, GCvWMJ14, MV14, SK16a, SLGA15, SP15, ZZH16, ZYG⁺14]. **Canceller** [PPSG17]. **Candidate** [CWH⁺16]. **Capabilities** [CDA⁺14]. **Capacity** [XNRG15]. **Cascaded** [GHAP17, HGAPB15, NR14b]. **Cascading** [sLGyLaC15]. **Case** [BC17, WC16a]. **Casting** [OR16a]. **Categories** [Ano16k, Ano16l]. **Cellular** [CZ17]. **Center** [Ano16-48, Ano16-49]. **Centered** [AS17a]. **Cepstral** [DP16, EMTF17, JT15, KS16]. **Cepstrum** [IO17]. **Challenge** [EGMN16, MHB⁺18]. **Challenges** [TD16]. **Change** [PCB16b]. **Channel** [AM18b, BXY14, CDLX18, DBN⁺17, DTDL16, GRSP17, JvWGD15, KD16, KD17, KG14, MHD15, MHGD15, MF17, MK15b, MK15c, MBK17, PSL⁺16, SGM⁺15, SLOVB15, SKAK16, TZA14, WWD14, WDDL17, WYSD15, YND14, ZPP15]. **Channels** [YLD15]. **Characterization** [PHK16]. **Characterizing** [CTSC14]. **Chatbots** [LXS⁺18]. **Chinese** [Chi18a, LZC⁺14, LZ16, WSY14]. **Chord** [CB14, DDZS17, MSRND14]. **Chunk** [CH16]. **CI** [SF14]. **Circular** [HF15, HBC17, OFF⁺17, WAS16, ZA14]. **Clarity** [LCC⁺15]. **Class** [CSJD16, CJ15]. **Class-Based** [CSJD16]. **Class-Normalized** [CJ15]. **Classes** [LWZZ16]. **Classification** [BSER17, BMVG17, CWW14, CHJ14, DTL15, GPF17, HS15, JWLF14, LJX⁺16, LLWJ16, MZX⁺15, MHB⁺18, OHN16, PKA14, PMMM15, PHM⁺17, RG15a, Rak17, SK17, SHAGPRZ17, STBC17, SLY14, TQW⁺15, WAS14, WYH17, YK17, ZM17, VZC14]. **Classification-Based** [CWW14, WYH17]. **Classifier** [SMA⁺17]. **Classifiers** [PCB16b]. **Clean** [MC17]. **Clear** [NHK16]. **CLOpinionMiner** [ZWX15]. **Closed** [ARSA14]. **Closure** [DP16, KDY14, KKGH16]. **Closure/Opening** [KKGH16]. **Cluster** [TQY16]. **Clustering** [AB14, AB15, HPB15, KSK⁺15, ODG16, SKDN14, WLL⁺15a, XYH14, XO16, YH17, ZJD⁺15]. **Clustering-Based** [ODG16, SKDN14]. **Co** [CBCL15, DHS15, HL15, SLC⁺15]. **Co-Factorization** [HL15]. **Co-Localization** [DHS15]. **Co-occurrence** [CBCL15]. **Co-Prime** [SLC⁺15]. **Cochannel** [ZWW15]. **Cochlear** [CFMM14, NWM16, SF14, SMVW14, YLD15]. **Cochleograms** [dlCSVAGAPM15]. **Code** [AVK⁺15, HLL15, WLLZ17, WSY14, WSH15, YsL15]. **Code-Mixed** [HLL15]. **Code-Switched** [YsL15]. **Code-Switching** [AVK⁺15, WLLZ17, WSY14, WSH15]. **Codebook** [HBB17, VML14]. **Codebook-Based** [HBB17, VML14]. **Coder** [SKH⁺15a, SKH⁺15b]. **Codes** [XAHJ⁺14]. **Coding** [BF18, CLAG16, CDW16, JSYW16, MK16, SKH⁺15a]. **Coefficients** [AS17b, DP16, GI15, ISZA15, KS16, KBG16b, MKA⁺14]. **Coherence** [BBM17, MHD15, SGH16, XZW15]. **Coherent** [JC17, SK15]. **Coherent-to-Diffuse** [SK15]. **Collaborative** [TLWV17]. **Collabratec** [Ano16-46, Ano16-47, Ano17-61, Ano17-62, Ano17-63, Ano17-64, Ano17-65, Ano17-66]. **Collecting** [KNH⁺17]. **Combination** [CPCBFSF16, CJ15, FdDARF16, IY16]. **Combined** [BCB15, MGGK17, MHGD15]. **Combining** [CMY16, KSK⁺15, LCC⁺15, RDP14, SKM17, SY15, WJ15a, YK17]. **Command** [PCG17]. **Comments** [CE14]. **Common** [SD16b, SD16a]. **Communication** [Ano16-50, Ano16-51, KBV17, MHD⁺17, SWH⁺17, SHKB17]. **Community** [WYLZ16, ZXH⁺16]. **Community-Based** [WYLZ16]. **Compact** [MBD⁺15, SRH15]. **Companding** [Ziv15].

Comparison [KBV16, WDD⁺16, vHK14].
Compensation [BGQO⁺17, DH14, HSK17, LC16b, MGF18, MJJ⁺14, Nos16, TZA14, WVCL14].
Complete [CE14]. **Complex** [HLL15, HIA⁺17, HHC16, KBG16b, WWW16, WW17]. **Complex-Valued** [HHC16]. **Complexity** [CBA⁺15, DDZS17, FWM⁺14a, FWM⁺14b, FMD14, HL14, NWM16, SLC⁺15, SLW15, WW15].
Component [CWYC17, IY16].
Components [CB14]. **Composition** [CLAG16, MFG15]. **Compositional** [ZM17].
Compositional [DWX⁺16].
Compressed [MCD14]. **Compression** [CZG⁺15, KGH⁺16, MF17, NR14b].
Compressive [WLL⁺16, WZS14].
Computational [SSKP16].
Computationally [KAJC16, MDM15].
Computer [MFG15, QMS16, hShWsL15, WsL15].
Computer-Aided [MFG15, QMS16, hShWsL15].
Computer-Assisted [WsL15].
Concealment [LC16a]. **Conditional** [May18, RLPK15, YLL15]. **Conditions** [BHBS16, DW17, RKN14, SLGZ15, ZWW14, ZWW15]. **Conduction** [SFK15].
Configuration [TR14b]. **Confused** [RARR15]. **Confusion** [LHD16].
Connectionist [OOK17]. **Connectives** [MHPB15]. **Considering** [WZS14].
Consistency [LZ16]. **Consistent** [JT15].
Consolidated [GVMGO17]. **Constituent** [ZDC14]. **Constrained** [MHGD15, RMBK14, YSCZ15, YH17].
Constraint [BV17]. **Constraints** [HMDG15, SBV17]. **Constructing** [Chi18a].
Construction [VS14, WSY14]. **Containing** [NNS16]. **Content** [yLsL14, sLGyLaC15, LXS⁺18].
Content-Oriented [LXS⁺18]. **Contents** [Ano14-92, Ano14-93, Ano14-96, Ano14-97, Ano14-100, Ano14-101, Ano14-104, Ano14-105, Ano14-108, Ano14-109, Ano14-112, Ano14-113, Ano15-79, Ano15-80, Ano15-81, Ano15-82, Ano15-83, Ano15-84, Ano15-85, Ano15-86, Ano15-87, Ano15-88, Ano15-89, Ano15-90, Ano15-91, Ano15-92, Ano15-93, Ano16-58, Ano16-59, Ano16-62, Ano16-63, Ano16-64, Ano16-65, Ano16-66, Ano16-67, Ano16-68, Ano16-69, Ano16-70, Ano16-71, Ano16-72, Ano16-73, Ano16-74, Ano16-75, Ano17-99, Ano17-78, Ano17-79, Ano17-80, Ano17-81, Ano17-82, Ano17-83, Ano17-84, Ano17-85, Ano17-86, Ano17-87, Ano17-88, Ano17-89, Ano17-90, Ano17-91, Ano17-92, Ano17-93, Ano17-94, Ano17-95, Ano17-96, Ano17-97, Ano17-98, Ano18b, Ano14-94, Ano14-95, Ano14-98, Ano14-99, Ano14-102, Ano14-103, Ano14-106, Ano14-107, Ano14-110, Ano14-111, Ano14-114, Ano15-75, Ano15-76, Ano15-77, Ano15-78, Ano16-60, Ano16-61, Ano18a].
Context [BSR17, CGL⁺15, CH16, CZY⁺18, CBCL15, CDW16, SFIL17, WS14, WHLG14, ZDC14, ZXSD17]. **Context-Aware** [ZXSD17]. **Context-Dependent** [BSR17, CDW16, WS14, WHLG14].
Context-Sensitive-Chunk [CH16].
Contexts [NAK⁺17, SBG17]. **Contextual** [ZW16a]. **Continuity** [PSL17].
Continuity/Discontinuity [PSL17].
Continuous [BDL15, DB15, FGQ⁺15, LFH⁺15, MAL18, SFIL17, WZL⁺15].
Continuous-Space [WZL⁺15]. **Contours** [KYI⁺15]. **Contraction** [WHLG14].
Contrast [SDDCC15]. **Contributions** [SLR16]. **Control** [AA17, AKN⁺16, BSB14, CC14a, CE14, CD17, CDA⁺14, GdC14, LFdDG14, MX17, SLW15, TM16, YEY17].
Controllable [TKT17]. **Controlled** [HWT⁺17, KGH⁺16, LCWC16, CHC⁺14].
Controllers [BSB14]. **Controls** [PCW15].
Convergence [YEY17]. **Conversation** [JMD⁺17, WWLL14]. **Conversational** [ESVK17, MSFK15, WTHJ14, XDH⁺17, YB14]. **Conversations**

[HPB15, SWZ16, YB14]. **Conversion** [ATA16, CLLD14, DTN⁺14, JRA17, NTA15, NTM16, PS17, PM15, TLW⁺17, WVCL14]. **Converting** [ACRS14]. **Convex** [JBTL15]. **Convolutional** [AHMJ⁺14, CDW16, JSYW16, PHM⁺17, QBTY16, SP16, rPH⁺17]. **Convolute** [BP14, CY15, KBGAP⁺16, MD16, SOF15]. **Conveyed** [SDDCC15]. **Cooperative** [ZCDS15]. **Corpora** [LFU⁺17, ZB14]. **Corpus** [CWH⁺16]. **Correction** [FWM⁺14a, KDJJ17]. **Corrections** [SPM17a]. **Correlated** [PSL⁺16]. **Correlation** [ATP16, MC17, SAC17, WD16, PT14]. **Correlations** [SM14]. **Corrupted** [DBN⁺17]. **Cortical** [SKM17]. **Cosine** [SKSD14]. **Cost** [CPSFC⁺14, SSKP16, SLK17, ZN14]. **Countermeasures** [WDD⁺16]. **Counting** [WHRC16]. **Coupled** [AZK15, BVGV15, LCZ⁺17]. **Coupled-HMM-Based** [AZK15]. **Course** [yLSY⁺14]. **Covariance** [EJ16, NV14, ZF14]. **Cover** [Ano14u, Ano14v, Ano14-29, Ano14-30, Ano14-31, Ano14-32, Ano15r, Ano15s, Ano15v, Ano15w, Ano15x, Ano15y, Ano16o, Ano16p, Ano16q, Ano16r, Ano16s, Ano16t, Ano17-28, Ano17-29, Ano17-30, Ano17-31, Ano17-32, Ano17-33, Ano17-34, Ano17-35, Ano17-36, Ano17-37, FDK15, Ano14i, Ano14j, Ano14k, Ano14l, Ano14m, Ano14n, Ano14o, Ano14p, Ano14q, Ano14r, Ano14s, Ano14t, Ano14w, Ano14x, Ano14y, Ano14z, Ano14-27, Ano14-28, Ano15n, Ano15o, Ano15p, Ano15q, Ano15t, Ano15u, Ano16m, Ano16n]. **Covert** [STBC17]. **Cramér** [SGH17b]. **Creation** [DHYG14]. **Cries** [SK16b]. **Criteria** [JBTL15, WJ15b]. **Criterion** [HXWS15, WSH15]. **Cross** [CHWL14, Chi18a, DAFS15, GHAP17, LJX⁺16, LGR14, PT14, PM15, SDK17, SPM17a, SPM17b, YsL15, ZZZ16, ZWX15]. **Cross-correlation** [PT14]. **Cross-Dialect** [Chi18a]. **Cross-Language** [YsL15, ZZZ16, ZWX15]. **Cross-Lingual** [CHWL14, LJX⁺16, LGR14, PM15, SDK17]. **Cross-Show** [DAFS15]. **Cross-Speaker** [GHAP17]. **Cross-Spectra** [SPM17a, SPM17b]. **Crosslingual** [SV17]. **Crosstalk** [MV14]. **Crowdsourcing** [GMH17]. **Cue** [HMDG15, MHGD15, SBVM16]. **Cues** [May18]. **Cumulative** [CPSFC⁺14]. **Cumulative-Sum-Based** [CPSFC⁺14]. **Current** [SLGA15]. **Curriculum** [RH18]. **Curve** [MTBB15]. **Custom** [ISZA15]. **Cylindrical** [KFH⁺14].

D [HB17, CT14, GDM18, SMH14, WAS16, vMM14]. **Dance** [GKC16]. **Data** [ARSLN16, AM18a, Bre15, CBG15, CMY16, CGK15, DDZS17, FMB16, GCG⁺17, LAK16, MSD14, SDK17, XYH14]. **Data-Association** [AM18a]. **Data-Driven** [DDZS17]. **Database** [SLH17, WDD⁺16]. **DCASE** [MHB⁺18, SMA⁺17]. **De-synchronization** [XNG⁺14]. **Decay** [BY15, SH14b]. **Decaying** [BV17]. **Decision** [SHAGPRZ17]. **Decoding** [ACRS14, KLK17, MHBT15, MF17]. **Decomposition** [BIK⁺18, JP14, MK15b, PSL17, TZA14, TZZ⁺15a, WCY15]. **Deconvolution** [DVLH17]. **Decorrelation** [ZZH16]. **Decoupled** [HZF17]. **Decoupling** [CBCL15]. **Deep** [AF18, BSR17, CLAG16, CLLD14, CRVB⁺15, CM15, CH16, CTLL17, CGK15, CG16, DTDL16, FLMS16, GH17, GRSP17, GJ17, HKHJS15, JMD⁺17, JWLF14, KYTJ17, LC16a, LS14a, LR17, MMB17, MZX⁺15, MZM15, MKA16, NW15, NLV16, PDS⁺16, QBTY16, QCDW17, RARR15, SWW⁺17, SS16, SHD14, SAS17, SZVZ16, TQY16, WS14, WDDL17, WYSD15, WGR⁺18, XDDL15, XHW⁺17, XAHJ⁺14, ZW16a, ZW16b, ZZN⁺16, ZW17, ZM17, ZJD⁺15].

Deep-Sparse-Representation-Based [SAS17]. **Defined** [MTBB15]. **Deformed** [SLOVB15]. **Degraded** [AY17]. **Delay** [APH14, AM16, BRD15, BGQO⁺17, CRH⁺14, DV14b, DHCS15, HL14, SH17a, SKH⁺15a, SKH⁺15b, ZH14]. **Delay-Free** [DV14b]. **Delay-Lines** [HL14]. **Delayless** [CD17, KKJN17, PPSG17]. **Delta** [WSH15]. **Delta-Bayesian** [WSH15]. **Demixing** [FLB16]. **Demodulation** [AS15, VS14]. **Denoised** [JMD⁺17]. **Denoising** [BV17, Bay15, GJ17, HWW⁺15, WW17]. **Density** [SH17a, WGD15]. **Dependence** [CZY⁺18, ZLJ⁺17]. **Dependency** [CZZ15, LZC⁺14, LLWJ16, ODSM16, SKK14]. **Dependent** [BSR17, CDW16, DMVP16, KKJN17, KD17, SKAK16, SAK16, WS14, WHLG14, ZSB17]. **Dereverberation** [BV17, HWW⁺15, JvWGD15, KD16, LZHN14, MIYO14, May18, MD16, OIY⁺14, RKL14, SEM⁺14, SGH15b, SGH15a, SGH16, SGH17b, SK15, TK14, WW17, YK14]. **Derived** [MVH16, SLY14]. **Description** [RCL18]. **Descriptor** [FMD14]. **Design** [BC17, BSB14, CZ17, CFMM14, CT14, HL14, HBC17, JEP14, JK15, LYN14, Non14, PBC16, WW15, ZBC14]. **Detect** [SK16b]. **Detecting** [KB14]. **Detection** [BE17, CE15, CC14b, CTLL17, CL18, DTC15, DTC16, DTC17, FZZ⁺15, GPF17, GdC14, HWT⁺17, HXWS15, KSH17, KDY14, KPH15, KMG17, KKGH16, LLR⁺16, MAP14, McL14, MHB⁺18, MAT15, MKMDM17, PMMM15, QMS16, QCDW17, STH⁺18, SGA15, SH17b, SLK17, SM18, Ter16, TMKO17, WAS14, WsL15, WDDL17, WSH15, YBC⁺14, YB14, YLY15, ZW16a, ZH15, ZB14, rPH⁺17]. **Detection-Estimation** [SM18]. **Determinantal** [XO16]. **Determination** [ZKA15]. **Determine** [BM15]. **Determined** [KOS⁺16, OG14, WRC16]. **Deterministic** [WC16a]. **Device** [HWRC15, MHD⁺17]. **DFT** [YEY17]. **DFT-Domain** [YEY17]. **Diacritization** [RARR15]. **Diagnosis** [QMS16]. **Diagonalization** [SOF15]. **Dialect** [BDV⁺14, Chi18a, GJB15, HYI⁺15]. **Dialects** [CTSC14]. **Dialog** [WLL15b]. **Dialogue** [GY14, KG17, MHBT15, RLK14, hShWsL15, YSCZ15]. **Diarization** [DAFS15, FMB16, SKSD14, YB14, YH17]. **Dictionaries** [BVG15, CWDA17]. **Dictionary** [BXY14, DVLH17, GFG⁺14, RBR16, WED17]. **Difference** [BS14, CC14b, SvWRK15]. **Differences** [CTSC14]. **Differentiable** [SR16b]. **Differential** [PCB15, WC16a, ZBC14]. **Diffuse** [SK15]. **Diffuseness** [EJ16]. **Diffusion** [DTC15]. **Digit** [SAK16]. **Digital** [Ano15-28, Ano15-29, GDM18, LC16a, MSS17, PPSG17, PCLP14, SAA15, SRH15, SMH14]. **Dimension** [MJJ⁺14]. **Dimensional** [AG17, KBV17, XDC⁺17, ZA14]. **Diphthong** [GDM18]. **Diphthongs** [AG17]. **Diplophonic** [AHSS⁺18]. **Direct** [CASZ17, GCG⁺17, JD17, LGHG17, NR14a, RJCW17, SAC17, SLK17]. **Direct-Path** [LGHG17, NR14a]. **Direct-to-Reverberant** [CASZ17, SAC17]. **Direction** [HMN17, KK14, NV14, PCB16b, SLC⁺15, TP15, TTH14, TR15]. **Direction-of-Arrival** [KK14, SLC⁺15, TTH14]. **Directional** [KSK⁺15, TS14]. **Directions** [ES16]. **Directivity** [PBC16, RHvdP⁺16, WC16a]. **Dirichlet** [Chi15a, TP16]. **Disambiguating** [MHPB15]. **Discontinuity** [PSL17]. **Discourse** [BSL15, HNY⁺15, MHPB15, WYH⁺15]. **Discovery** [CL18, KJG16, SHDG16, WsL15, XO16]. **Discriminant** [CPL14, WCC⁺15, XAHJ⁺14]. **Discriminating** [AY15]. **Discriminative** [BXY14, HXWS15, LAK16, TR14a, WJ15b]. **Discriminatively** [ZF14]. **Disease**

[NRČR14]. **Disorders** [NRČR14]. **Dissonance** [MBTB14]. **Distance** [CBCL15, SKSD14]. **Distance-Based** [SKSD14]. **Distant** [MH16, NHK16, WHRC16]. **Distillation** [CLCW18]. **Distortion** [AM18b, DH14, FNA15, HSK17, MJJ+14]. **Distributed** [BF18, CBA+15, CZZ15, IO17, LGTG17, MH16, SAP14, SKDN14, SKH+15a, TH14, TH16, TCY15, WD16, WRC16, ZH14, ZCY16]. **Distribution** [ATP15]. **Distributions** [ATP16, WAS16, CPL14]. **Disturbances** [NCC15]. **Divergence** [FSO17, SLGZ15]. **Divergences** [SDDCC15]. **Diverse** [TZZ15b]. **Diversity** [AZGN14]. **DNN** [LMC17, WSY14, WK16]. **DNN-Based** [WK16]. **DNN-Driven** [LMC17]. **DNN-Extracted** [WSY14]. **DNNs** [SMA+17]. **DOA** [AM18a, CH18, HZF17, JTHN14, JCBJ15, KAJC16, RKN14, WAJL15]. **Document** [HPB15, HNY+15, yLsL14, YW14, YCLS17]. **Document/Query** [yLsL14]. **Documents** [GMH17, MBD+15]. **Domain** [ARSLN16, AGW15, BP14, BvWWM17, BHBS16, DLG18, DMVP16, DBM15, GEC15, GCvWMJ14, HMN17, HHC16, JTHN14, KFH+14, LPHCB14, LKHU14, MAP14, MBK17, OG14, SK16a, TM16, Ter16, VDM15, WW17, YEY17, WZS14]. **Domains** [RKL14]. **Dominance** [NR14a]. **Dominant** [YZLY17]. **Double** [GCvWMJ14]. **Double-Talk-Robust** [GCvWMJ14]. **Doubly** [TP16]. **DP** [CJ15]. **DP-Based** [CJ15]. **Drift** [BBM17]. **Driven** [BE17, DDZS17, DLMM+18, LMC17]. **Driving** [FFSS17]. **Drum** [DM16]. **Dual** [CZ17, CC14b, JEP14, KK14]. **Dual-Microphone** [CC14b, KK14]. **Dual-Radius** [JEP14]. **due** [ACB17]. **Duration** [HWT+17]. **Duration-Controlled** [HWT+17]. **Dyadic** [SWZ16]. **Dynamic** [AZK15, BGQO+17, GDM18, KB14, KGH+16, MAP14, MV14, WLL15b]. **Dynamical** [BLLP17]. **Dynamics** [PK15]. **Dysarthric** [KKK15].

Early [SGH15b]. **Echo** [CSAR+14, DLMM+18, GCvWMJ14, HGT15c, LB16, SH17a, SK16a, SLGA15, TK14, YEY17, ZZH16, ZYG+14]. **Echo-Based** [HGT15c]. **Edics** [Ano16-32, Ano16-33, Ano16-34, Ano16-35, Ano16i, Ano16j, Ano17-59, Ano17-60, Ano17r, Ano17s, Ano17t, Ano17u, Ano17v, Ano17w, Ano17x, Ano17y, Ano17-99, Ano18b, Ano14-45, Ano14-54, Ano14-55, Ano14-56, Ano14-46, Ano14-47, Ano14-48, Ano14-49, Ano14-50, Ano14-51, Ano14-52, Ano14-53, Ano15-40, Ano15-41, Ano15-42, Ano15-43, Ano15-44, Ano15-45, Ano15-46, Ano15-47, Ano15-48, Ano15-49, Ano16k, Ano16l]. **Editing** [BBC+16]. **Editorial** [DRFO14, Li15, Den14]. **EEG** [STBC17]. **Effect** [LD16]. **Effective** [CBCL15, CL14a, SSK17, YND14]. **Effects** [DB17, NWM16]. **Efficient** [ACRS14, CLW+16, DHCS15, HAGSZ16, KAJC16, LCW+16, MSS17, MBM15, MDM15, Nos16, SAPB15, TZA14, TS16, WED16, YLJ16, YSCZ15]. **Effort** [SAB16]. **EGG** [CMY16]. **Eigenvalue** [JP14]. **Eigenvoice** [DTN+14, MSD14]. **Eigenvoices** [SDK17]. **ELD** [CRH+14]. **Electroglottographic** [BMVG17]. **Electromyographic** [JD17]. **Electronics** [Ano16u, Ano16v]. **Element** [AG17]. **Elimination** [NCC15]. **Embedded** [DvWDM14]. **Embedded-Optimization-Based** [DvWDM14]. **Embedding** [PDS+16, XNRG15]. **Embeddings** [KJG16, PHM+17, YM17]. **Embracing** [Li15]. **EMD** [ZCF14]. **EMG** [JD17]. **EMG-to-Speech** [JD17]. **Emotion** [CWYC17, DXZ+18, GFG+14, PCB16b,

TD16, WCC⁺¹⁵, WLLZ17, WC16b, XDC⁺¹⁷, ZCDS15]. **Emphasis** [DTN⁺¹⁷]. **Empirical** [ARSLN16, CSJD16, ZKA15]. **Encoder** [RCL18, SZVZ16, ZXSD17]. **Encoding** [JYB⁺¹⁵]. **End** [HCJT15, KLK17, NW14, SBD16, LH14]. **End-to-End** [KLK17, SBD16]. **Energy** [CASZ17, ISZA15, SAC17, SH17b, ZSIA16]. **Engineering** [DM16, QCDW17]. **English** [CTSC14, WSY14]. **Enhanced** [GWG⁺¹⁴, NR14b, PK15, ZZZ16]. **Enhancement** [BVG15, BIK⁺¹⁸, CH15, DP16, DBK15, DTN⁺¹⁴, DBN⁺¹⁷, GVMGO17, HBB17, ISZA15, JVR16, JRA17, KGP14, KHK17, KK14, KMG17, KBG16a, KG14, KDJJ16, KDJJ17, LSH14, MWT16, MPAEBLB15, MC17, MK15b, MK15c, MBK17, NJC16a, RG18, SM18, SLGZ15, SZVZ16, TOS14, TM14, TJC16, TWSS16, TE16, WLL⁺¹⁶, WRDP17, WZS14, XDDL15, ZCF14, ZH14]. **Enhancer** [TM16]. **Enhancing** [EZS14, HHC16]. **Enjoyable** [MSFK15]. **Enrollment** [LH14]. **Ensemble** [AZGN14, LB16, TMH⁺¹⁴, ZW16b]. **Entropy** [MK16, NAK⁺¹⁷, WLL15b]. **Entropy-Based** [WLL15b]. **Envelope** [AF18, DSMD15, DAR16]. **Envelopes** [AY17]. **Environment** [FNA15, TMH⁺¹⁴]. **Environmental** [SK17, SSKP16, TMKO17, XHW⁺¹⁷, YND14]. **Environments** [DBK15, FSO17, FZZ⁺¹⁵, LSH14, MMB17, MGJK17, SGH17a, SK16b, VMOL16, ZW17]. **Epoch** [VP17]. **Equalization** [FdDARF16, KD16, KD17, RKL14]. **Equalizer** [LC16b, RVB14]. **Ergodic** [TP16]. **Error** [GCJ⁺¹⁴, GCvWMJ14, JT15, OHN16, WsL15, WK16]. **Errors** [CH18, NNS16, Non14]. **ESPRIT** [WAJL15]. **Estimates** [APH14, AM18a, JTHN14, KGH⁺¹⁶, TTH14]. **Estimating** [KGP14, OHN16, SAC17, SBV17]. **Estimation** [AF18, AM18a, AB15, BBM17, CH18, CH15, CASZ17, CL14a, CL17a, DAR16, EGMN16, EMTF17, ESJ17, FWM^{+14a}, FWM^{+14b}, GKC16, GB14, HMN17, HAGSZ16, HTG14, HGT15a, HZF17, IY16, JP14, JFG⁺¹⁷, JCBJ15, JT15, JBTL15, KAJC16, KK14, KKGH16, KBG16b, KDJJ16, KDJJ17, LFU⁺¹⁷, MPAEBLB15, MKA⁺¹⁴, MSRND14, MAT15, MK15b, MK15c, NJC16a, NJC16b, PS17, PT14, PCLP14, RKN14, RG17, SM14, SD16b, SD16a, SH14b, SGH16, SK15, SLC⁺¹⁵, SFK15, SM18, SY15, SKH^{+15a}, SLGZ15, SZVZ16, SLJ18, TH17, TP15, Ter16, TG16, TR15, TVJ15, TMH⁺¹⁴, TE16, WGD15, WD16, WYH17, WAJL15, ZG16, ZZN⁺¹⁶]. **Estimator** [PSL⁺¹⁶]. **Estimators** [SH14b, SGH17b]. **Estonian** [ESVK17]. **Evaluated** [PM15]. **Evaluating** [BDL15]. **Evaluation** [BBC⁺¹⁶, Bre15, CLW⁺¹⁶, CMG⁺¹⁷, JSR16, JEP14, NRČR14, YLD15]. **Event** [BLLP17, FZZ⁺¹⁵, GPF17, HWT⁺¹⁷, JP14, LLR⁺¹⁶, LZ16, MZX⁺¹⁵, PMMM15, RVB⁺¹⁷, SGA15, WSH15, rPH⁺¹⁷, Ano16-52, Ano16-53, Ano16-54, Ano16-55, Ano16-56, Ano16-57]. **Event-Based** [JP14]. **Events** [CPSFC⁺¹⁴, MHB⁺¹⁸, PHM⁺¹⁶, SMA⁺¹⁷]. **Evolution** [LB16, SWZ16, WLL15b]. **Example** [MAP14]. **Excitation** [EMTF17, SSK17]. **Exemplar** [BVG15, BV17, KGP14, TLW⁺¹⁷, WWD14, WVCL14, YGV14]. **Exemplar-Based** [BVG15, BV17, KGP14, TLW⁺¹⁷, WVCL14]. **Expanding** [DRFO14]. **Expansion** [CWH⁺¹⁶, LPHCB14, yLsL14]. **Expectation** [DG15, LSH14, SGH16]. **Expectation-Maximization** [DG15, LSH14, SGH16]. **Explicit** [DV14b, SRH15, vMM14]. **Exploiting** [MMB17, ODSM16, PSL17, SWZ16, WWLL14]. **Exploits** [May18]. **Exploring** [TZZ15b]. **Exponential** [CPCBFSF16, FOBP15, HOF15]. **Expression** [CBG15]. **Expressive**

[MSFK15]. **Expressiveness** [CBG15]. **Extended** [AKG⁺17, NAK⁺17]. **Extending** [GHAP17]. **Extensible** [ES16]. **Extension** [AF18, LB16, ZPP15]. **External** [YKPMP18]. **Extra** [WED17]. **Extracted** [WSY14]. **Extraction** [AV16, AY17, CWJ15, CL14a, GMH14, HPB15, HTG14, HGT15a, HGT15b, LZ16, MAB⁺16, MAK15, RMBK14, SAB16, TH14, TH17, VP17, ZWX15]. **Extractive** [CLC⁺15, CLCW18, LCC⁺15, YW14]. **Extractor** [ZSB17].

F0 [AB15, CWJ15, IY16]. **F1** [HXWS15]. **F1-Score** [HXWS15]. **Facial** [JD17]. **Factor** [BDV⁺14, CC15, HH14, MAL18, QTY16, WLLZ17, YHO⁺17]. **Factored** [AVK⁺15]. **Factorization** [ATA16, BV16, BSER17, CBG15, CY16, FSO17, HL15, KSK⁺15, KOS⁺16, MH16, ZXH⁺16]. **Factorized** [CL14a, SS16]. **Factors** [KKJN17, SKAK16, WWLL14, WC16a, ZYG⁺14]. **Family** [HBLC14, TR14a]. **Far** [ATP15, ZSIA16]. **Far-field** [ATP15]. **Farewell** [Den14]. **Fast** [BF18, CRH⁺14, CL14a, Cum15, DAFS15, KKGH16, ODG16, XAHJ⁺14]. **FDAF** [GCvWMJ14]. **FDTD** [HB17, SRH15, vMM14]. **Feature** [AV16, BY15, BSER17, CWW14, CHJ14, CZZ15, DH14, GMH14, IO17, KGP14, KNH⁺17, LWZ⁺14, MAK15, NXCL16, QCDW17, SAB16, SKDN14, VML14, XHW⁺17, ZDG14]. **Features** [AVK⁺15, BMVG17, CSJD16, CHWL14, CTLL17, DHSG15, DW17, DB15, FOBP15, GKC16, GMFG16, GPF17, HLL15, JMD⁺17, JT15, LGHG17, PKA14, SGA15, SMA⁺17, SAS17, SKK14, SKM17, TD16, TZZ15b, WYH17, WSY14, WK16, YK17, YB14, dICSVAGAPM15, VZC14]. **Feedback** [AA17, BRD15, BE17, BvWWM17, FWM⁺14a, FWM⁺14b, PPSG17, SD16b, SD16a, SH17a, SLGA15, SP15, XYH14]. **Feedback-Driven** [BE17]. **Feedforward** [BSB14, CC14a, SNS15]. **Fibonacci** [FM15]. **Field** [ATP16, ADM⁺17, BGQO⁺17, EJ16, FFSS17, KBV16, KBV17, KFH⁺14, MAB⁺16, WAS16, ZA14, ZSIA16, ATP15]. **Fields** [CE15, NYD17, YLL15]. **Filling** [MDY⁺15]. **Filter** [AM16, BvWWM17, DV14a, DV14b, FZZ⁺15, GCvWMJ14, HAGSZ16, KKJN17, KMG17, May18, MAK15, MKA16, MJJ⁺14, SGM⁺15, SD16b, SGH15a, SMVW14, SRH15, TTH14, TCY15, TE16, VP17, WW15, WRKG17, YLJ16, ZCY16]. **Filter-Bank** [SGM⁺15]. **Filterbank** [CFMM14, SP16, SGA15, YLD15]. **Filterbanks** [CRH⁺14]. **Filtered** [CC14a, FdDARF16, dICSVAGAPM15]. **Filtered-x** [FdDARF16, CC14a]. **Filtering** [ARSA14, ABA17, AY15, CH18, CD17, CMG⁺17, DMVP16, GMH14, GJ17, JCBJ15, KFH⁺14, LG16, MHD15, MHGD15, NCC15, OOK17, RG15b, SR16a, TH14, TH16, ZH15]. **Filtering-Based** [MHD15]. **Filters** [AM18b, BGQO⁺17, CCR16, FNA15, GEC15, Hel14, HBLC14, JBC16, KHCW15, MV14, ZG16]. **Finding** [HLL15]. **Fine** [YM17]. **Fingerprint** [XO16]. **Fingerprinting** [HWRC15, ODG16, SW16]. **Finite** [AG17, BHBS16, BS14, SvWRK15, ZH15]. **Finnish** [ESVK17]. **First** [CASZ17, WC16a, Ano15z, Ano15-27]. **First-Order** [CASZ17, WC16a]. **Fisher** [ATP15]. **Flamenco** [KG16]. **Flesh** [KCMW17]. **Flesh-Point** [KCMW17]. **Flexible** [ARW⁺16, KBG16a]. **Flow** [GI15, WC16b]. **Fluency** [BDL15]. **Fly** [EDO17]. **FM** [VS14]. **Following** [LD16]. **Footprint** [LR17]. **Foreground** [DP16]. **Foreign** [BHS⁺16, MK15a]. **Forests** [PMMM15]. **Forgetting** [CC15]. **Formalism** [KDY14]. **Formant** [FWM⁺14a, FWM⁺14b, JFG⁺17, YLY15]. **Formant-Based** [YLY15]. **Formulation** [Bay15]. **Fractional** [BGQO⁺17, Hel14].

Fractional-Order [Hel14]. **Fragment** [HLL15]. **Frame** [CHWL14, DAR16, YsL15]. **Frame-Level** [YsL15]. **Frames** [OD17]. **Framework** [BDL15, CE15, CLCW18, Chi18a, EDO17, ES16, GCvWMJ14, GHAP17, GJB15, KBG16a, LJX⁺16, LSH14, MV14, QMS16, RARR15, SM18, TQW⁺15, TJCB16, TR14b, WW16, WLL15b, XDC⁺17, YsL15]. **Free** [DV14b]. **Frequencies** [AHSS⁺18, AY17]. **Frequency** [AM16, AY15, AY17, BP14, BvWWM17, GCvWMJ14, HSK17, HBC17, JP14, JFG⁺17, JCBJ15, JT15, KYI⁺15, KGH⁺16, KBG16a, MAP14, MGF18, MCD14, NJC16b, OG14, RBR16, RG15a, RKL14, SKH⁺15a, SLJ18, TM16, TLW⁺17, TZZ⁺15a, WCC⁺15, WW17, YBC⁺14, ZKA15, ZG16, ZSIA16, ZH15]. **Frequency-Domain** [BvWWM17, GCvWMJ14, TM16]. **Frequency-Invariant** [HBC17]. **Friendly** [EDO17]. **Front** [Ano14u, Ano14v, Ano14w, Ano14x, Ano14y, Ano14z, Ano14-27, Ano14-28, Ano14-29, Ano14-30, Ano14-31, Ano14-32, Ano15p, Ano15q, Ano15r, Ano15s, Ano15t, Ano15u, Ano15v, Ano15w, Ano15x, Ano15y, Ano16m, Ano16n, Ano16o, Ano16p, Ano16q, Ano16r, Ano16s, Ano16t, Ano17-28, Ano17-29, Ano17-30, Ano17-31, Ano17-32, Ano17-33, Ano17-34, Ano17-35, Ano17-36, Ano17-37, NW14]. **Front-End** [NW14]. **Frozen** [CWDA17]. **Full** [Cum15, GLC⁺14, MC17]. **Full-Sentence** [MC17]. **Fully** [BD16]. **Function** [BKK15, HMDG15, ISZA15, KMG15, MVH16, MD16, PCB14, SAPB15, SDDCC15, SMH14]. **Functional** [BSL16, CSAR⁺14, ZA14, ZKA15]. **Functions** [FPTJ17, FFSS17, KD17, MBM15, MAT15, SGH15b, VDC⁺17, ZLLS16]. **Fundamental** [AHSS⁺18, AY17, JP14, JCBJ15, KYI⁺15, KBG16a, NJC16b, SLJ18, YBC⁺14, ZG16]. **Fusing** [ZZZ16]. **Fusion** [JVR16, PS17, SHAGPRZ17, SPM17a, SPM17b, VZC14]. **FxLMS** [PCG17]. **Gabor** [OD17, SGA15]. **Gain** [AA17, MAT15, Non14]. **Gains** [HBB17]. **Game** [hShWsL15]. **Gaussian** [ATP16, BDV⁺14, BSB14, CY15, GY14, GR14, GHAP17, HIA⁺17, HGAPB15, JRA17, LGR14, NNL15, RG18, RBBG15, SKH⁺15a, TZZ⁺15a, VZC14]. **Gaussian-Impulse** [TZZ⁺15a]. **Gaussianization** [MMMDL⁺14]. **GCC** [WRDP17]. **GCC-NMF** [WRDP17]. **Gender** [WDDL17]. **General** [BHBS16]. **Generalized** [DV14a, DV14b, DTL15, JSR16, KPH15, MH16, PLZL17, SDDCC15, SR14, SLW15, SKH⁺15a, VS14]. **Generalized-Gaussian-Distributed** [SKH⁺15a]. **Generated** [Ezs14, WWD14]. **Generating** [LM17]. **Generation** [HWW16, JD17, MSFK15, OFF⁺17, RLK14, WC16b, WK16]. **Generative** [CLLD14, CRVB⁺15, GBH16, KYI⁺15, STS18]. **Generic** [RRdM16]. **Genre** [PKA14, RV14, ROL⁺15]. **Genre-Based** [RV14]. **Geometric** [APH14]. **Geometries** [DAMvW15]. **Gestures** [HM14]. **Get** [Ano17-68, Ano17-69, Ano15z, Ano15-27]. **Get-A-Member** [Ano17-68, Ano17-69]. **Global** [BSL15, Nos16]. **Glottal** [ARSA14, ABA17, CMG⁺17, DP16, KDY14, KKGH16, SR16a]. **GMM** [WWD14]. **Golay** [KMG17]. **Gossip** [ZH14]. **GPU** [BGQO⁺17, LFdDG14, OGD16, SRH15]. **GPU-Based** [BGQO⁺17]. **Gradient** [HF15]. **Gradients** [RG15a]. **Gram** [MHBT15]. **Grammar** [ZDC14]. **Graph** [LK16, WYLZ16, WLLZ17, ZWCT15]. **Graph-Based** [LK16, ZWCT15]. **Graphic** [RVB14]. **Graphs** [yLsL14]. **Grid** [SLJ18]. **Group** [Chi15b, ONKP16]. **Growing** [WZL⁺15]. **Growth** [Li15]. **Guest** [HLL15]. **Guided** [FZZ⁺15, ZA14]. **Guitar** [AS17a, MFG15].

HAAQI [KA16]. **Hammerstein** [DvWDM14]. **Handling** [HBF⁺16]. **Handwritten** [GMH17]. **Hankel** [JP14]. **Harmonic** [AKB⁺16, DMVP16, DHP14, ESJ17, EJ16, FNA15, HMN17, JTHN14, JC17, KFH⁺14, MBTB14, MDM15, MK15b, PSL17, PHK16, TOKS14, TOS14, TM16, Ter16, WYH17, Ziv15]. **Harmonic-Percussive** [PSL17]. **Harmonic/Percussive** [TOKS14, TOS14]. **Harmonics** [HZF17, SAC17, ZKA15, Ziv15]. **Harmonics-Based** [SAC17, ZKA15]. **Head** [BKK15, MMB17, MBM15, MGF18]. **Head-Related** [BKK15, MBM15]. **Headphones** [GdC14, RG15b]. **Hearing** [FWM⁺14a, FWM⁺14b, FPTJ17, KPH15, MHD15, MHGD15, NWM16, NNL15, PPSG17, SGM⁺15, SD16b, SD16a, SP15, WW15, YLJ16, YKPMP18, KA16]. **Hearing-Aid** [YLJ16, KA16]. **Height** [KFH⁺14]. **Heterogeneous** [LCZ⁺17]. **Hidden** [DBK15, PCW15, RV17, SS16, SLR16, TP16]. **Hierarchical** [ARW⁺16, Chi15a, Chi18b, RV14, TP16, WCY15]. **Hierarchies** [FGQ⁺15]. **High** [AY17, BP14, DTDL16, FNA15, GB14, HB17, KKGH16, NR14a, RVB14, WCY15, XNRG15]. **High-Order** [HB17, WCY15]. **High-Precision** [FNA15, RVB14]. **High-Resolution** [BP14, DTDL16, KKGH16]. **Higher** [AS17b, SAP14, vMM14]. **Higher-Lag** [AS17b]. **Higher-Order** [vMM14]. **Highly** [YsL15]. **Highway** [LR17]. **Histogram** [RG15a]. **History** [CBCL15]. **HMM** [AZK15, BD16, NYS17, PM15, SDK17, WWD14, YHO⁺17, ZSB17]. **HMM-Based** [BD16, PM15, SDK17, ZSB17]. **HMMs** [SLW15]. **HMRFs** [AB15]. **Hoc** [TJCB16]. **Hough** [DTL15]. **Howling** [KPH15]. **HPM** [LCWC16]. **HRIR** [MAL18]. **HRTF** [RHvdP⁺16, ZKA15]. **HRTFs** [GMFG16]. **Human** [BBC⁺16, WDD⁺16, XDH⁺17]. **Humanoid** [TR14b, TR15]. **Humming** [WJ15a]. **Hurst** [ZCF14]. **Hurst-Based** [ZCF14]. **Hypotheses** [LAK16]. **Hysteresis** [MTBB15].

I-Vector [CL17b, GH17, ZSB17]. **I-Vectors** [KWGW17, PS17]. **idea** [Ano15z, Ano15-27]. **Identification** [AB14, HL15, JSMD18, LG16, MMMDL⁺14, PBQ15, ROL⁺15, SH14a, TWC⁺18, VTN15, YsL15, ZWW14, ZWW15]. **Identifying** [FDK15, WED17]. **IEEE** [Ano14-45, Ano14-77, Ano14-54, Ano14-66, Ano14-78, Ano14-55, Ano14-67, Ano14-79, Ano14-56, Ano14-68, Ano14-80, Ano14-57, Ano14-69, Ano14-46, Ano14-58, Ano14-70, Ano14-47, Ano14-59, Ano14-71, Ano14-48, Ano14-60, Ano14-72, Ano14-49, Ano14-61, Ano14-73, Ano14-50, Ano14-62, Ano14-74, Ano14-51, Ano14-63, Ano14-75, Ano14-52, Ano14-64, Ano14-76, Ano14-53, Ano14-65, Ano14a, Ano14-33, Ano14-34, Ano14-35, Ano14-36, Ano14-37, Ano14-38, Ano14-39, Ano14-40, Ano14-41, Ano14-42, Ano14-43, Ano14-44, Ano14-90, Ano14-91, Ano15-40, Ano15-50, Ano15-41, Ano15-51, Ano15-42, Ano15-52, Ano15-43, Ano15-53, Ano15-44, Ano15-54, Ano15-45, Ano15-55, Ano15-46, Ano15-56, Ano15-47, Ano15-57, Ano15-48, Ano15-58, Ano15-49, Ano15-59, Ano15-28, Ano15-29, Ano15-30, Ano15-31, Ano15-32, Ano15-33, Ano15-34, Ano15-35, Ano15-36, Ano15-37, Ano15-38, Ano15-39, Ano16k]. **IEEE** [Ano16l, Ano16-32, Ano16-38, Ano16-33, Ano16-39, Ano16-29, Ano16-30, Ano16-31, Ano16-34, Ano16-36, Ano16-40, Ano16-35, Ano16-37, Ano16-41, Ano16-46, Ano16-47, Ano16-48, Ano16-49, Ano16u, Ano16v, Ano16-27, Ano16-28, Ano16w, Ano16x, Ano16y, Ano16z, Ano17-59, Ano17-60, Ano17-61, Ano17-62, Ano17-63, Ano17-64, Ano17-65, Ano17-66, Ano17-38, Ano17-39, Ano17-40, Ano17-41, Ano17-42, Ano17-43, Ano17-44, Ano17-45, Ano17-46, Ano17-47,

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Joint [ABA17, AJLW14, BV17, CDLX18, CL17a, HKHJS15, JCBJ15, KD16, LZC⁺14, LZ16, MSS17, MAT15, MK16, NW15, PKA14, QTY16, SOF15, TQW⁺15, TLWV17, WW16, WED16, WLLZ17, WAJL15].

Kaiser [KPH15, SH17b]. **Kalman** [BvWWM17, NCC15, SGH15a, TCY15]. **Karhunen** [LPHCB14]. **Keeping** [Den14]. **Kernel** [DTC16, DTC17, GI15, XDC⁺17]. **Kernels** [WTHJ14]. **Key** [DAFS15]. **Keyword** [HPB15, HBF⁺16, WJ15b]. **Kinematic** [JJB16]. **Kinematic-Independent** [JJB16]. **KLT** [RKL14]. **Knowledge** [GJB15, yLSY⁺14]. **Kullback** [SLGZ15].

Label [PHM⁺17]. **Label-Tree** [PHM⁺17]. **Labeling** [DBM15]. **Labels** [YCLS17]. **Ladder** [DV14a, DV14b]. **Lag** [AS17b]. **Language** [AVK⁺15, Ano14-45, Ano14-77, Ano14-54, Ano14-66, Ano14-78, Ano14-55, Ano14-67, Ano14-79, Ano14-56, Ano14-68, Ano14-80, Ano14-57, Ano14-69, Ano14-46, Ano14-58, Ano14-70, Ano14-47, Ano14-59, Ano14-71, Ano14-48, Ano14-60, Ano14-72, Ano14-49, Ano14-61, Ano14-73, Ano14-50, Ano14-62, Ano14-74, Ano14-51, Ano14-63, Ano14-75, Ano14-52, Ano14-64, Ano14-76, Ano14-53, Ano14-65, Ano14a, Ano15-40, Ano15-50, Ano15-41, Ano15-51, Ano15-42, Ano15-52, Ano15-43, Ano15-53, Ano15-44, Ano15-54, Ano15-45, Ano15-55, Ano15-46, Ano15-56, Ano15-47, Ano15-57, Ano15-48, Ano15-58,

Ano15-49, 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, Ano16-37, Ano16-41, Ano16i, Ano16j, Ano17-59, Ano17-60, Ano17r, Ano17z, Ano17s, Ano17-27, Ano17t, Ano17u, Ano17v].

Language [Ano17w, Ano17x, Ano17y, Ano17-57, ACRS14, BDV⁺14, CPCBFSF16, CSJD16, CLC⁺15, CLW⁺16, Chi15a, CBCL15, DBM15, FOBP15, FLMS16, HLL15, HYI⁺15, HOF15, JSMD18, KG17, LTWT17, LFH⁺15, LCC⁺15, LCW⁺16, MDY⁺15, RV14, RV17, RLK14, SHD14, SHDG16, SLK17, SNS15, TWC⁺18, VTN15, WZL⁺15, WsL15, WSH15, YsL15, ZZZ16, ZWX15].

Languages [ZP15]. **Laplace** [Chi15b].

Large [CL14b, DB15, ESVK17, SAP14, SFIL17].

Large-Scale [CL14b]. **Laryngeal** [DB17].

Laryngectomy [MHD⁺17]. **Lasso** [RBR16].

Lasso-LS [RBR16]. **Late** [BRD15, HCJT15]. **Latent** [HM14, RV14, RCL18, WTHJ14, WSH15, ZWCT15].

Lattice [LCW⁺16]. **Law** [SAB16]. **Layer** [CLLD14, SS16]. **Layer-Wise** [CLLD14].

Layouts [CT14]. **LCMV** [HDG16, MGGK17, SGH17c].

LCMV-TRINICON [MGGK17]. **Lead** [MFG15]. **Learning** [AZK15, BXY14, BSR17, BSER17, CWDA17, CJ15, CM15, CY16, Chi18b, CTLL17, DVLH17, FOBP15, FGQ⁺15, GFG⁺14, GH17, GCG⁺17, GMFG16, HWW⁺15, yLSY⁺14, LK16, MP16, NNL15, PHM⁺16, Rak17, RH18, RARR15, RG18, RV17, SP16, SK16b, SLR16, TR14a, WsL15, WED17, WGR⁺18, XDC⁺17, XHW⁺17, YH17, ZCDS15, ZW16b, ZW17, ZXH⁺16, ZB14, ZPP15].

Learning-Based [SK16b]. **Least** [BBM17, LZHN14, SOF15, SD16b, ZZH16].

Least-Mean-Square [ZZH16]. **Least-Squares** [BBM17, SOF15, SD16b].

Lecture [yLSY⁺14]. **Lectures** [YsL15].

Legendre [CCR16]. **Leibler** [SLGZ15].

Length [CC14a]. **Level** [CHJ14, CC14b, DTN⁺17, FNA15, KYTJ17, SGH17b, TQW⁺15, YsL15]. **Levels** [GB14].

Leveraging [CLC⁺15, XYH14, YW14].

Lexicon [KJG16, ZWCT15]. **Library** [Ano15-28, Ano15-29]. **LID** [JSMD18].

LID-Senones [JSMD18]. **Likelihood** [CWJ15, CWJ16, CG16, HH14, KDJJ16, KDJJ17, LGHG17, SHAGPRZ17]. **Limited** [HLL15, HOF15, SDK17]. **Limits** [MK15c].

Limits-Potential [MK15c]. **Line** [TM16].

Linear [ARSA14, AS17b, BSB14, BLLP17, BSL15, CPL14, DV14a, DHSG15, GR14, GCJ⁺14, HTG14, JBC16, JvWGD15, KKK15, MAP14, NXCL16, OOK17, PCB16a, SAB16, YK14].

Linearly [MHGD15, RMBK14]. **Lines** [HL14]. **Lingual** [CHWL14, LJX⁺16, LGR14, PM15, SDK17].

Linguistic [DBM15]. **Linguistics** [OL15].

Link [CSAR⁺14]. **Linked** [YKPMP18].

Linking [FMB16]. **List** [Ano14-81, Ano15-70, Ano17-67]. **Listening** [BA16, RG15b]. **Listwise** [ZLLS16].

Liveness [STH⁺18]. **LMS** [CC14a]. **Local** [BSL15, CC15, LFdDG14, WAS16, YK17].

Localization [AKB⁺16, APH14, CBA⁺15, CPSFC⁺14, DHSG15, DG15, FPTJ17, HWRC15, LGTG16, LGTG17, LGHG17, MMB17, MBM15, NR14a, PLZL17, PHK16, RJCW17, SPM17a, SPM17b, TWSS16, WRC16, WHRC16, WRKG17, YZLY17].

Localizing [JC17]. **Locally** [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, YB14, ZLJ⁺17].

Long-Term [MKMDM17, YB14, ZLJ⁺17].

Loop [DV14b, XYH14]. **Loss** [ACB17, LC16a, NWM16, XWZ16].

Loss-Augmented [XWZ16]. **Loudspeaker** [BA16, DvWDM14, FNA15, GEC15, HSK17, KBV16, OFF⁺17, VDM15, ZA14]. **Loudspeaker-Room** [BA16]. **Loudspeaker-Signal-Domain** [VDM15]. **Loudspeakers** [MJJ⁺14]. **Low** [AM16, BF18, BIK⁺18, CBA⁺15, CLAG16, CWW14, CM15, CRH⁺14, CPSFC⁺14, FWM⁺14a, FWM⁺14b, Hel14, HOF15, LJK17, LGR14, MGF18, MCD14, PKA14, SMVW14, SLC⁺15, SKH⁺15a, SKH⁺15b, SLGZ15, WW15, YLD15, ZN14]. **Low-Bit-Rate** [LJK17, SKH⁺15b]. **Low-Bitrate** [BF18]. **Low-Complexity** [CBA⁺15, SLC⁺15]. **Low-Cost** [CPSFC⁺14, ZN14]. **Low-Delay** [CRH⁺14, SKH⁺15a, SKH⁺15b]. **Low-Frequency** [MGF18]. **Low-Pass** [Hel14]. **Low-Rank** [BIK⁺18, HOF15, PKA14, SLGZ15, SMVW14]. **Low-Resource** [CM15, LGR14]. **LPC** [WCY15]. **LS** [RBR16]. **LSTM** [CH16, HWT⁺17, KCMW17, SSK17, SNS15]. **LVCSR** [CH16]. **Lyric** [WJ15a]. **Lyrics** [CWJ16].

Machine [BBC⁺16, BY15, CZY⁺18, GCG⁺17, MHPB15, NTM16, RG18, TZZ15b, WZL⁺15, XWZ16, XZW15, ZLLS16, ZXSD17]. **Machine-Learning** [RG18]. **Machines** [CL14b, NTA15]. **Magnitude** [BIK⁺18, PBS17, SLY14]. **Management** [WLL15b]. **Manager** [GY14]. **Mandarin** [CHC⁺14, CWCP17, HWW16, LCWC16]. **Manifold** [GMFG16, LGTG16, SV17, TR14a]. **Manifolds** [LGTG17]. **Manipulation** [EMTF17]. **Many** [ATA16, DTN⁺14]. **Many-to-Many** [ATA16]. **MAP** [MSD14, TMH⁺14]. **MAP-based** [TMH⁺14]. **Mapping** [BE17, GHAP17, HWW⁺15, LWZ⁺14, PS17, PLZL17]. **Mappings** [TKT17]. **Maps** [DTC15, MAB⁺16, WCC⁺15].

Marginalized [ZCY16]. **market** [Ano15z, Ano15-27]. **Markov** [DBK15, NYD17, PCW15, RV17, TP16, YSCZ15]. **Mashups** [DHYG14]. **Mask** [RBBG15]. **Masked** [JT16]. **Maskers** [JT16]. **Masking** [DW17, LS14a, WWW16, WW17, ZH15]. **Masking-Based** [DW17]. **Masks** [HKHJS15]. **Matching** [MKA⁺14, OFF⁺17, WZS14, YGV14]. **Matrices** [LHD16, ZF14]. **Matrix** [ATA16, BSER17, DVLH17, HL15, JP14, KSK⁺15, KOS⁺16, SGH16, TH17, WGD15, ZXH⁺16]. **max** [SD16a]. **Maximization** [DG15, LGHG17, LSH14, SGH16, WD16]. **Maximization-Based** [WD16]. **Maximize** [KNH⁺17]. **Maximum** [CG16, HH14, HBLC14, HXWS15, KLK17, KDJJ16, KDJJ17, PBC16, SHAGPRZ17]. **Maximum-a-Posteriori-Based** [KLK17]. **MaxNSR** [WGD15]. **Mean** [JT15, RLPK15, SKSD14, ZZH16]. **Mean-Square** [JT15]. **Means** [Ezs14]. **Measure** [AKG⁺17, LCC⁺15, MJZ15]. **Measurement** [CCR16, FNA15, MAL18, SP17]. **Measurements** [BKK15, Hac14, KMG15]. **Measures** [FDK15, MVH16, TM14]. **Meeting** [BSL16, FMB16, TS16, YB14]. **Meetings** [BSL15]. **Mel** [DP16, JT15, LKHU14]. **Mel-Frequency** [JT15]. **Melody** [CWJ15, RDP14, WJ15a]. **Member** [Ano15-28, Ano15-29, Ano17-68, Ano17-69, Ano17-68, Ano17-69]. **Memory** [CL14a, GWG⁺14, OOK17, PDS⁺16, ZYG⁺14]. **Memory-Enhanced** [GWG⁺14]. **Mention** [ZB14]. **Merged** [NYS17]. **Merged-Output** [NYS17]. **Mesh** [GDM18, SMH14]. **Meter** [GKC16]. **Method** [AGW15, DV14b, DTC16, DTC17, GCvWMJ14, JP14, JFG⁺17, KKGH16, MGF18, MGT15, OFF⁺17, PCLP14, PBS17, SR16a, SAA15, SK16b, TG16, WCY15, WAJL15, XNG⁺14, XNRG15, ZW16b, ZH15].

Methodology [PM15]. **Methods** [GPF17, HB17, JVR16, JCBJ15, JK15, KBV16, LFH⁺¹⁵, LCW⁺¹⁶, RDP14, RJCW17, WLL^{+15a}, WAS16, YZLY17]. **Metric** [SF14]. **Metrical** [KHCW15]. **Metrics** [BDL15]. **MGM** [Ano17-68, Ano17-69]. **Micro** [DB15]. **Micro-Modulation** [DB15]. **Microcanonical** [KDY14]. **Microphone** [AR16, CBA⁺¹⁵, CZ17, CASZ17, CC14b, Hac14, HBC17, IO17, JEP14, KK14, LWZ⁺¹⁴, MVH16, NR14a, NHK16, Non14, OISO14, PCB15, PCB16a, SGH15b, SKDN14, SPM17a, SPM17b, SBVM16, TH14, TJC16, TP15, TCY15, TR14b, TR15, TE16, WD16, WC16a, WRKG17, YKPMP18, YLL15, ZCY16, ZBC14]. **Microphones** [LGTG17, MH16, STH⁺¹⁸, SAP14, SFK15, WRC16, WHRC16]. **Min** [SD16a]. **Min-max** [SD16a]. **Minimal** [MSD14]. **Minimax** [Non14]. **Minimization** [CY15, GCJ⁺¹⁴]. **Minimum** [JT15, RMBK14, WK16]. **Misequalization** [LC16b]. **Mises** [ATP15]. **Mismatch** [SH14a, SAB16]. **Mismatches** [WC16a]. **Mispronunciation** [HXWS15, QMS16]. **Missing** [WED17]. **Mitigating** [NWM16]. **Mixed** [CHJ14, HLL15, HYI⁺¹⁵, TZZ^{+15a}]. **Mixed-to-Panned** [CHJ14]. **Mixing** [AJLW14, HYI⁺¹⁵, SH17a]. **Mixture** [BDV⁺¹⁴, CWYC17, CY15, DH14, GR14, GHAP17, HIA⁺¹⁷, HGAPB15, LMC17, LGR14, MPC16, WDDL17]. **Mixtures** [BP14, BV16, DHP14, KBGAP⁺¹⁶, SDDCC15]. **MMSE** [KBG16b]. **MMSE-Based** [KBG16b]. **Modal** [BMVG17, TZA14]. **Mode** [ZCF14]. **Model** [ARW⁺¹⁶, AJLW14, BDV⁺¹⁴, BDL15, BCA15, CH16, CWYC17, CWCP17, CZY⁺¹⁸, CWJ15, Chi15a, CDA⁺¹⁴, DV14b, DvWDM14, DLG18, DDZS17, DBM15, GR14, HIA⁺¹⁷, HOF15, JFG⁺¹⁷, KKK15, KGH⁺¹⁶, LLR⁺¹⁶, LTWT17, LKHU14, LAK16, LJX⁺¹⁶, LS14b, MWT16, MDM15, NV14, OOK17, RLPK15, SAC17, SGH17a, SR16b, SLR16, TQY16, TLWV17, TWC⁺¹⁸, TZZ^{+15a}, TP16, TG16, TWSS16, TZZ15b, VMOL16, WZL⁺¹⁵, WYLZ16, WLLZ17, WSH15, ZDC14, ZZZ16]. **Model-Based** [BCA15, KGH⁺¹⁶, OOK17, SGH17a]. **Modeling** [AS17b, AKN⁺¹⁶, BP14, BHS⁺¹⁶, CHC⁺¹⁴, CLC⁺¹⁵, CDLX18, CWJ16, CBCL15, CC15, CGK15, DAMvW15, DAFS15, FOBP15, GLQ16, GBH16, GCJ⁺¹⁴, ISZA15, KYI⁺¹⁵, LM15, LWZZ16, LCC⁺¹⁵, LK16, LLWJ16, LXS⁺¹⁸, MX17, MSS17, MD16, MJJ⁺¹⁴, NCC15, OL15, RV14, RCL18, SS16, SLL⁺¹⁶, SSK17, SMH14, SMSV17, SLY14, SNS15, TMH⁺¹⁴, VM15, WS14, WLL^{+15a}, WCC⁺¹⁵, XZW15, YsL15, ZKA15, ZJD⁺¹⁵, VZC14]. **Modeling-Based** [CC15]. **Modelling** [ONKP16, SFIL17, WK16]. **Models** [AVK⁺¹⁵, ACRS14, AGBC14, BSR17, BS14, CPCBFSF16, CLW⁺¹⁶, Chi18a, Chi15b, Cum15, DBK15, DWX⁺¹⁶, DH14, GMH14, HH14, HYI⁺¹⁵, KLK17, KWGW17, LCW⁺¹⁶, LGR14, MZM15, NW15, PCW15, RV17, XHW⁺¹⁷, ZM17]. **Modification** [DAR16, TKT17]. **Modifications** [EZS14]. **Modified** [PCG17]. **Modify** [TTB⁺¹⁶]. **Modulated** [JT16]. **Modulation** [BV16, DB15, GMH14, HSK17, HHC16, MAK15, MKA16, MBK17, TTB⁺¹⁶]. **Modulation-Based** [HSK17]. **Modulation-Domain** [MBK17]. **momentum** [Den14]. **Monaural** [CH15, CY16, DW17, HKHJS15, JSYW16, TOS14, WWW16, ZW16b]. **Monolingual** [PM15]. **Montage** [OR16b]. **Moog** [DV14a, DV14b]. **Morph** [MK15a]. **Morph-Based** [MK15a]. **Morphological** [FOBP15, HBF⁺¹⁶, LLR⁺¹⁶]. **Morphologically** [ZP15, dICSVAGAPM15]. **Motif** [XO16]. **Motifs** [XO16]. **Motion** [SLH17]. **Motivated** [VDC⁺¹⁷, VS14]. **Movements** [KCMW17, MMB17]. **Moving** [NDV18, TR15]. **MPEG** [CRH⁺¹⁴].

MPEG-4 [CRH⁺14]. **MT** [BDL15]. **Multi** [BSL15, CD17, DHYG14, DAR16, DWX⁺16, DHP14, FOBP15, GKC16, HWRC15, JvWGD15, KD16, KD17, LH14, MHD15, MHGD15, May18, QTY16, SGH15b, SLOVB15, TZA14, WYSD15, YW14, YLL15, YND14, ZDG14, VZC14]. **Multi-Channel** [JvWGD15, KD16, KD17, MHD15, MHGD15, SLOVB15, TZA14, YND14]. **Multi-Compositionality** [DWX⁺16]. **Multi-Conditional** [May18]. **Multi-Device** [HWRC15]. **Multi-Document** [YW14]. **Multi-Factor** [QTY16]. **Multi-Feature** [ZDG14]. **Multi-Frame** [DAR16]. **Multi-Input** [CD17]. **Multi-Microphone** [SGH15b]. **Multi-Output** [CD17]. **Multi-Party** [BSL15]. **Multi-pitch** [DHP14]. **Multi-Purpose** [GKC16]. **Multi-Session** [LH14]. **Multi-Song** [DHYG14]. **multi-style** [VZC14]. **Multi-Talker** [WYSD15, YLL15]. **Multi-Task** [FOBP15]. **Multiband** [PPSG17]. **Multiband-Structured** [PPSG17]. **Multichannel** [BP14, BIK⁺18, Bay15, KSK⁺15, LPHCB14, LBR16, LZHN14, LFDG14, NDV18, NLV16, OIY⁺14, RKL14, SWW⁺17, SEM⁺14, SK16a, SMVW14, TH17, TS14, YK14]. **Multilayer** [NXH⁺17]. **Multilingual** [SV17, ZXH⁺16]. **Multiloudspeaker** [FWF17]. **Multimedia** [Ano17-58, Ano16g, Ano16h, Ano17l, Ano17m, Ano17n, Ano17o, Ano17p, Ano17q]. **Multimicrophone** [GVMGO17, SGH16]. **Multimodal** [DTC17, GMH17, HM14, SLH17]. **Multipitch** [SY15]. **Multiple** [AHSS⁺18, ATA16, AM18a, AB15, BA16, BCA15, ESJ17, JYB⁺15, LGTG17, LWZ⁺14, LAK16, LGHG17, MMB17, MGK17, NR14a, NYS17, PHK16, SLOVB15, TOS14, TS16, WED16, XDC⁺17, YZLY17, YHO⁺17, ZA14, ZH15, ZJD⁺15, KMG17]. **Multiple-Speaker** [LGHG17]. **Multiplicative** [HBB17]. **Multiplicity** [PBC16]. **Multirate** [YLJ16]. **Multiscale** [KDY14]. **Multisession** [GH17]. **Multispeaker** [SGH17c]. **Multitalker** [KYTJ17]. **Multitask** [BSR17, CM15, TLWV17]. **Multiview** [GFG⁺14, MAST15, MBD⁺15]. **Multizone** [CH14, JK15, RBR16]. **Music** [AS17a, AB15, CWYC17, CDW16, DHYG14, JSYW16, KHCW15, KG16, NWM16, NNS16, NYS17, PKA14, RV14, RRdM16, SBV17, SBD16, SY15, TOS14, VML14, YBC⁺14]. **Musical** [ARW⁺16, AB14, FMD14, MP16, WED16]. **Mutual** [IIY16, JT14, KHK17, KNH⁺17, RMBK14, TM14, TM16, TK14]. **MVDR** [HMDG15, HIA⁺17, PCB14, SM14]. **MWSG** [KMG17]. **Names** [MK15a, PBQ15]. **Narrow** [AA17]. **Narrow-Band** [AA17]. **Narrowband** [AS15, CE14, JTHN14, LC16b, MX17]. **Natural** [CSJD16, CWH⁺16, LFH⁺15, RG15b, RLK14, SHD14]. **Naturalistic** [KSH17]. **Near** [ATP16, HCJT15, ZSIA16]. **Near-End** [HCJT15]. **Near-Field** [ATP16]. **Nearby** [YKPMP18]. **Nearest** [MSD14, SDK17]. **Nearest-Neighbors** [MSD14, SDK17]. **Neck** [MVH16]. **Neck-Surface** [MVH16]. **Negative** [ATA16, BDV⁺14, DVLH17, MD16, ONKP16, ZXH⁺16]. **Neighbors** [MSD14, SDK17]. **Network** [ACRS14, BSR17, CLC⁺15, CLW⁺16, CGK15, DWX⁺16, FLMS16, HW14, KCMW17, LTWT17, LCW⁺16, May18, MZM15, NW15, QTY16, SS16, SBD16, TQY16, XAHJ⁺14, ZW16a, ZZN⁺16]. **Network-Based** [May18]. **Networks** [AHMJ⁺14, AF18, AM18a, BBM17, BRD15, CBA⁺15, CLAG16, CLLD14, CM15, CG17, CPSFC⁺14, CG16, DHCS15, DTDL16, GWG⁺14, GRSP17, HKHJS15, JWLF14,

KWGW17, KYTJ17, LC16a, LS14a, LB16, LR17, MMB17, MZX⁺¹⁵, MDY⁺¹⁵, MKA16, NLV16, PDS⁺¹⁶, PHM⁺¹⁷, QBTY16, SWW⁺¹⁷, STS18, SHAGPRZ17, SHD14, SH17a, STBC17, SNS15, TCY15, VMOL16, WAS14, WS14, WDDL17, WYSD15, XDDL15, ZCY16, ZJD⁺¹⁵, rPH⁺¹⁷]. **Neural** [AHMJ⁺¹⁴, AF18, ACRS14, BSR17, CLAG16, CLLD14, CLC⁺¹⁵, CM15, CLW⁺¹⁶, CZY⁺¹⁸, CGK15, CG16, DBM15, DWX⁺¹⁶, DTDL16, FLMS16, GWG⁺¹⁴, GRSP17, HW14, HKHJS15, JWLF14, KWGW17, KCMW17, KYTJ17, LC16a, LTWT17, LS14a, LCW⁺¹⁶, LR17, MMB17, May18, MZ⁺¹⁵, MDY⁺¹⁵, MZM15, MKA16, NW15, NLV16, PHM⁺¹⁷, QTY16, QBTY16, RCL18, SWW⁺¹⁷, SS16, STBC17, SBD16, SNS15, TQY16, TWC⁺¹⁸, WS14, WDDL17, WYSD15, XDDL15, XAHJ⁺¹⁴, ZW16a, ZXSD17, ZLJ⁺¹⁷, ZJD⁺¹⁵, rPH⁺¹⁷]. **Neurogram** [MJZ15]. **News** [CLC⁺¹⁵]. **NMF** [BP14, GWG⁺¹⁴, NDV18, SLGZ15, WRDP17]. **Noise** [AA17, AS17b, AM16, AM18b, AKN⁺¹⁶, BSB14, CC14a, CE14, CD17, CWW14, CZ17, DBK15, DBN⁺¹⁷, EZS14, GI15, GB14, GdC14, HH14, HCJT15, HIA⁺¹⁷, HBLC14, JFG⁺¹⁷, JTHN14, JT16, JBC16, KGP14, KAJC16, KD16, KDJJ16, KDJJ17, LPHCB14, LDGHU14, LS14a, LC16b, LFdDG14, LSH14, MX17, MPAEBLB15, MPC16, MHD15, MHGD15, NW14, NJC16a, PK15, QBTY16, QCDW17, RH18, RG17, RBBG15, SK17, SM14, SGM⁺¹⁵, SEM⁺¹⁴, SGH15b, SGH16, SGH17b, SGH17c, SMVW14, SLW15, SLGZ15, SZVZ16, SBVM16, TM16, TH17, TK14, TZZ^{+15a}, TVJ15, WGD15, WZS14, YBC⁺¹⁴, YKPMP18, YGV14, ZSIA16, VZC14]. **Noise-Independent** [EZS14]. **Noise-Robust** [AS17b, GI15, LDGHU14, LS14a]. **Noisy** [AdHTJ16, DH14, FZZ⁺¹⁵, FNA15, HW14, LKHU14, LH14, MGGK17, SGH17a, ZWW14]. **Non** [ATA16, BP14, BDV⁺¹⁴, DBK15, DVLH17, LSH14, MPAEBLB15, MAP14, MD16, NTM16, NJC16a, ONKP16, PSL⁺¹⁶, SOF15, TP16, WJ15b, ZXH⁺¹⁶]. **Non-Ergodic** [TP16]. **Non-Intrusive** [PSL⁺¹⁶]. **Non-Negative** [ATA16, BDV⁺¹⁴, DVLH17, MD16, ONKP16, ZXH⁺¹⁶]. **Non-Orthogonal** [SOF15]. **Non-Parallel** [NTM16]. **Non-Segmental** [MAP14]. **Non-Stationary** [BP14, DBK15, LSH14, MPAEBLB15, NJC16a]. **Non-Uniform** [WJ15b]. **Noncontinuous** [MAT15]. **Noniterative** [PBS17]. **Nonlinear** [CCR16, CSAR⁺¹⁴, CG16, CL17a, CL17b, DV14b, HSK17, MMMDL⁺¹⁴, SLGA15]. **Nonlinearly** [AdHTJ16]. **Nonmodal** [BMVG17]. **Nonnegative** [BV16, FSO17, HL15, KSK⁺¹⁵, KOS⁺¹⁶, MH16]. **Nonparametric** [Chi18b, LM15, MIYO14, TVJ15]. **Nonparametrics** [OISO14, OIY⁺¹⁴]. **Nonrecurrent** [ZLJ⁺¹⁷]. **Nonspeech** [AY15, PHM⁺¹⁶]. **Nonstationary** [NJC16b, OD17, TH17, WAS14]. **Nonuniqueness** [SK16a]. **NOPM** [MJZ15]. **Norm** [ABA17, BV17, DC16, GCJ⁺¹⁴]. **Norm-1** [ABA17]. **Norm-2** [ABA17]. **Normal** [JRA17]. **Normal-to-Lombard** [JRA17]. **Normalized** [CJ15, KS16, ZZH16, dICSVAGAPM15]. **Note** [NYD17, ONKP16]. **Notes** [WED17]. **Novel** [BKK15, DV14b, EDO17, LSH14, PCLP14, RJCW17, SR16a, SP16, TG16, WCY15]. **Null** [PBC16]. **Number** [OIY⁺¹⁴]. **Numbers** [FM15]. **Nutrition** [KG17]. **Object** [JYB⁺¹⁵]. **Objective** [MGT15, PCLP14, TM14]. **Objects** [JYB⁺¹⁵, MF17]. **Observation** [LKHU14, NHK16, RLPK15]. **occurrence** [CBCL15]. **Off** [SLJ18, ACRS14]. **Off-Grid** [SLJ18]. **Offset** [BBM17, WD16]. **On-Bird**

[SBG17]. **On-the-Fly** [EDO17]. **One** [DTN⁺14, MJJ⁺14]. **One-Dimension** [MJJ⁺14]. **One-to-Many** [DTN⁺14]. **Online** [AA17, AKN⁺16, CH15, DBN⁺17, ESJ17, HIA⁺17, MX17, MP16, SGH15a, TMH⁺14, YK14]. **Only** [LFU⁺17]. **OOV** [HBF⁺16, SFIL17]. **Open** [Ano14-82, Ano14-83, Ano14-84, Ano14-85, Ano14-86, Ano14-87, Ano14-88, Ano14-89, Ano15-71, Ano15-72, Ano15-73, Ano15-74, Ano17-70, Ano17-71, Ano17-72, Ano17-73, Ano17-74, Ano17-75, Ano17-76, Ano17-77, Hac14]. **Opening** [KKGH16]. **Operated** [ISZA15]. **Operator** [KPH15]. **Operators** [SH17b]. **Opinion** [MSFK15, ZWX15]. **Opportunities** [Li15]. **Optimal** [AR16, FWF17, HCJT15, JBC16, NHK16, NJC16b, SKH⁺15a, YEY17]. **Optimization** [ABA17, BC17, CFMM14, DvWDM14, GEC15, GY14, HKHJS15, JEP14, LZC⁺14, RBR16, SLK17, TK14, TR14b, YHO⁺17]. **Optimized** [HGT15c, MKA16, MK16]. **Optimizing** [BA16, BY15]. **Order** [CASZ17, HB17, Hel14, MIYO14, PCB16a, SAP14, WCY15, WC16a, vMM14, NCC15]. **Organization** [yLSY⁺14]. **Orientation** [GI15]. **Oriented** [LXS⁺18, WYH⁺15]. **Orthogonal** [DMVP16, MJZ15, SOF15]. **Orthonormal** [VDC⁺17]. **Other** [DSMD15, ZP15]. **our** [DRFO14]. **Outcome** [MHB⁺18]. **Outdoor** [SMSV17]. **Outlier** [CWDA17]. **Output** [CD17, NYS17]. **Over-Determined** [OG14, WRC16]. **Overlapped** [CDLX18, SH17b]. **Overlapping** [LWZ⁺14, YB14, Ziv15]. **Overview** [LDGHU14].

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Perpendicular [SPM17a, SPM17b]. **Personal** [GEC15]. **Personality** [SWZ16]. **Personalization** [CWYC17, NNL15]. **Personalized** [HWC⁺17, yLSY⁺14, LXS⁺18, hShWsL15, WW15]. **Personalizing** [GMFG16, LTWT17]. **Persons** [MHD⁺17]. **Perspective** [GVMGO17]. **PES** [Ano16-48, Ano16-49]. **Phase** [ARSA14, KBG16b, KG14, MK15b, MK15c, Non14, OD17, PCG17, PBS17, SLY14, VM15]. **Phase-Derived** [SLY14]. **Phase-Scheduled-Command** [PCG17]. **Phase-Uncertainty** [KBG16b]. **Phone** [WSY14]. **Phoneme** [CMY16, LHD16]. **Phones** [CZ17]. **Phonetic** [CGL⁺15, CTSC14, CWJ15, CWJ16, NAK⁺17, TWC⁺18, ZP15]. **Phonologically** [KKK15]. **Phonologically-Structured** [KKK15]. **Phrase** [ZSB17]. **Phrase-Independent** [ZSB17]. **Physically** [VDC⁺17]. **Physiologically** [CMG⁺17]. **Piano** [CDW16, ES16, LD16, NYD17, NYS17, SBD16, WED17]. **Pieces** [SBV17]. **Pitch** [FWM⁺14a, FWM⁺14b, GB14, HAGSZ16, HW14, KAJC16, MTBB15, RDP14, SM18, WYH17, WAJL15, ZZN⁺16, DHP14]. **Pitch-Based** [RDP14]. **Pitch-Synchronous** [SM18]. **Pitch-Time** [MTBB15]. **Pitched** [Ziv15]. **Pitman** [Chi15a, RV14]. **Pitman-Yor** [RV14]. **Placement** [KBV16]. **Planar** [CT14, SPM17a, SPM17b]. **Planning** [RLK14]. **Playing** [SLY14]. **PLCA** [AB15]. **PLDA** [Cum15, CL17a, CL17b, LM15, LMC17, MPC16]. **PLDA-Based** [CL17b]. **Plus** [HOF15]. **PNCC** [KS16]. **PNLMS** [DC16]. **Point** [KCMW17, XO16]. **Pole** [SD16b, SKH⁺15a, VP17]. **Pole-Zero** [SD16b]. **Polyglot** [CHWL14]. **Polynomial** [CC15, MJZ15, YSCZ15]. **Polyphonic** [AB14, AB15, BLLP17, HWT⁺17, KG16, MBTB14, NYS17, NR14b, ONKP16, SBD16, SY15, rPH⁺17]. **POMDP** [GY14]. **POMDP-Based** [GY14]. **Pooling** [SR16b]. **Popular** [SBV17]. **POS** [LZC⁺14, LCZ⁺17]. **Position** [Non14, TH16]. **Position-Selective** [TH16]. **Positions** [BA16]. **Post** [BBC⁺16, May18]. **Post-Editing** [BBC⁺16]. **Post-Filter** [May18]. **Posterior** [CY15, Cum15, CPL14]. **Posteriori** [KLK17]. **Postfilter** [SGH17c, YKPMP18]. **Postfiltering** [CRVB⁺15]. **Postfilters** [TTB⁺16]. **Potential** [MK15c]. **Power** [Ano16u, Ano16v, CC14b, GI15, KS16, LKHU14, MIYO14, MPAEBLB15, SAB16, SK15, TWSS16, WGD15, YLD15, dICSVAGAPM15]. **Power-Law** [SAB16]. **Power-Normalized** [KS16, dICSVAGAPM15]. **Powered** [SKH⁺15a]. **Pre** [NTA15]. **Pre-Trained** [NTA15]. **Precision** [FNA15, RVB14]. **Precompensation** [DvWDM14]. **Predicate** [ZZZ16]. **Predicting** [AdHTJ16, JT16]. **Prediction** [ARSA14, CPCBFSF16, GCvWMJ14, JT14, JvWGD15, MJZ15, MAP14, MP16, NR14b, SAB16, SF14, WYLZ16, YK14]. **Prediction-Based** [JvWGD15]. **Predictive** [AS17b]. **Predictors** [GCJ⁺14]. **Presence** [DTC16, KGH⁺16, YND14]. **Presentation** [MKMDM17, RLK14]. **Preservation** [HMDG15, MHD15, MHGD15, SBVM16]. **Preserving** [DTN⁺17]. **Pressure** [HF15, OFF⁺17]. **Prewhitening** [BvWWM17]. **Primary** [HTG14, HGT15a, HGT15b]. **Primary-Ambient** [HTG14, HGT15a, HGT15b]. **Prime** [SLC⁺15]. **Principal** [IIY16]. **Prior** [HIA⁺17, PS17]. **Priori** [CH15, EMTF17, SFK15]. **Priors** [JvWGD15, LBR16, RG18, SLL⁺16]. **Private** [OFF⁺17]. **Probabilistic** [BCA15, CPL14, LBR16, TWSS16, WLL15b]. **Probability** [KGH⁺16]. **Problem** [AM18a, AKN⁺16, SDDCC15]. **Process**

[JRA17, RV14, TP16, XO16]. **Processed** [AdHTJ16]. **Processes** [GY14, MIYO14, NNL15]. **Processing** [Ano14-45, Ano14-54, Ano14-55, Ano14-56, Ano14-47, Ano14-48, Ano14-49, Ano14-50, Ano14-51, Ano14-52, Ano14-53, Ano14-33, Ano14-34, Ano14-35, Ano14-36, Ano14-37, Ano14-38, Ano14-39, Ano14-40, Ano14-41, Ano14-42, Ano14-43, Ano14-44, Ano15-40, Ano15-41, Ano15-42, Ano15-43, Ano15-44, Ano15-45, Ano15-46, Ano15-47, Ano15-48, Ano15-49, Ano15-30, Ano15-31, Ano15-32, Ano15-33, Ano15-34, Ano15-35, Ano15-36, Ano15-37, Ano15-38, Ano15-39, Ano16-27, Ano16-28, Ano16w, Ano16x, Ano16y, Ano16z, Ano17-60, 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, Ano17-57, CT14, FWM⁺14a, FWM⁺14b, LFH⁺15, MAB⁺16, OISO14, SWW⁺17, SM14, SvWRK15, TM14, TR15, VS14, YND14, Ano14-77, Ano14-66]. **Processing** [Ano14-78, Ano14-67, Ano14-79, Ano14-68, Ano14-80, Ano14-57, Ano14-69, Ano14-46, Ano14-58, Ano14-70, Ano14-59, Ano14-71, Ano14-60, Ano14-72, Ano14-61, Ano14-73, Ano14-62, Ano14-74, Ano14-63, Ano14-75, 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, Ano16-37, Ano16-41, Ano17-59, Ano16i, Ano16j, Ano17r, Ano17z, Ano17s, Ano17-27, Ano17t, Ano17u, Ano17v, Ano17w, Ano17x, Ano17y]. **Processor** [YLD15]. **Production** [ACB17, TKT17]. **Profiling** [PCG17]. **Program** [Ano17-68, Ano17-69]. **Programming** [ABA17, BC17, SD16a]. **Progressive** [CDLX18]. **Projection** [FLB16, ZN14]. **Projection-Based** [FLB16]. **Projective** [MAST15]. **Pronunciation** [CJ15, HBF⁺16, QMS16, hShWsL15, WsL15]. **Pronunciation-Based** [HBF⁺16]. **Propagation** [TVJ15]. **Properties** [BS14]. **Proportionate** [LG16, PPSG17, ZN14, ZYG⁺14]. **Prosodic** [Chi18a, NAK⁺17]. **Prosody** [CHC⁺14, CWH⁺16, HWW16, OL15]. **Prototype** [yLSY⁺14]. **Pruning** [TZZ15b]. **PSD** [KDJJ17, KDJJ16, RG17, TH17]. **Pseudo** [GBH16]. **Pseudo-Whisper** [GBH16]. **Pseudospectral** [BS14]. **Pseudospectrum** [MKA⁺14]. **Psychological** [WWLL14]. **Psychophysical** [YLD15]. **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]. **Pulse** [DLG18]. **Pulses** [PT14]. **Purpose** [GKC16]. **Pursuit** [WZS14]. **QIM** [LJK17]. **Quad** [SW16]. **Quad-Based** [SW16]. **Quadratic** [ABA17, BSB14]. **Quality** [AKG⁺17, BMVG17, Bre15, KA16, LFU⁺17, MGT15, VP17]. **Quantization** [CJ15, MK16, WCY15]. **Quasi** [ARSA14]. **Query** [yLsL14, MAP14, WJ15a]. **Query-by-Example** [MAP14]. **Query-by-Singing** [WJ15a]. **Query-by-Singing/Humming** [WJ15a]. **Question** [ZXH⁺16]. **Radial** [ATP16]. **Radiance** [BRD15]. **Radiativity** [MSS17]. **Radius** [JEP14]. **Random** [yLsL14, NYD17, PMMM15, SAK16, YLL15, ZH15]. **Randomization** [BF18]. **Randomized** [ZH14]. **Rank**

[BIK⁺18, CJ15, HOF15, PKA14, PCB16b, SLGZ15, SMVW14]. **Rank-Based** [PCB16b]. **Ranking** [LXS⁺18, ZLLS16]. **RANSAC** [TS14]. **Rao** [SGH17b]. **Rapid** [KWGW17, VTN15]. **Rate** [BBM17, CLAG16, CHC⁺14, JBTL15, LJK17, LCWC16, SH14b, SKH⁺15b, WD16, ZG16]. **Rate-Controlled** [LCWC16, CHC⁺14]. **Ratio** [CAS17, CC14b, SAC17, SK15, WWW16]. **Rational** [WTHJ14]. **Ratios** [CWW14]. **Ray** [MAST15, MAB⁺16]. **RBM** [SP16]. **Re** [PS17]. **Re-Estimation** [PS17]. **Reach** [DRFO14]. **Real** [HZF17, NNS16, SK17]. **Real-Time** [NNS16, SK17]. **Realistic** [SP15]. **Reality** [RG15b]. **Reallocation** [ZSIA16]. **Receptive** [CE15]. **Recognition** [AHMJ⁺14, AZK15, AS17b, ACRS14, AZGN14, BVGV15, BDV⁺14, BHS⁺16, CM15, CLW⁺16, CWYC17, CDLX18, CB14, CL14b, CL17b, DXZ⁺18, DB15, DH14, ESVK17, FLMS16, GFG⁺14, GI15, GBH16, GH17, GJ17, HLL15, HYT⁺15, HHC16, KGP14, KS16, KCMW17, sLGyLaC15, LKHU14, LWZ⁺14, LDGHU14, LS14a, LWZZ16, LH14, LS14b, LK16, LGR14, LR17, MWT16, MK15a, MHD⁺17, MC17, MH16, MAK15, MKA16, NYD17, NW14, NXCL16, OHN16, PSL⁺16, QTY16, QBTY16, RH18, RWF16, SAB16, SV17, SP16, SWW⁺17, SAS17, SFIL17, SHDG16, SSKP16, SLK17, SKM17, SKAK16, SAK16, SBG17, SLW15, TD16, TLWV17, TR14a, WS14, WW16, WWLL14, WYSD15, XDH⁺17, XAHJ⁺14, ZF14, ZCDS15, ZJD⁺15]. **Recognizing** [XDC⁺17, YsL15]. **Recommendation** [HPB15]. **Reconstruction** [GCG⁺17, KFH⁺14, KG14, PBS17]. **Recording** [KFH⁺14, NHK16]. **Recordings** [AS17a, DM16, KG16, NCC15, SBG17, TS16, WED17]. **Recovery** [HLL15, PK15, SAA15]. **Rectangular** [DAMvW15]. **Recurrent** [CLC⁺15, CLW⁺16, HKHJS15, KYTJ17, LTWT17, LCW⁺16, MDY⁺15, NTA15, SNS15, TLWV17, ZXSD17, rPH⁺17]. **Recurrent-Neural-Network-Based** [LTWT17]. **Recursive** [DWX⁺16, DG15, RG17, SG14, hShWsL15]. **Reduced** [HL14, PCB16a]. **Reduced-Order** [PCB16a]. **Reduction** [AM16, AM18b, CZ17, HBLC14, JTHN14, JBC16, KD16, LPHCB14, MHD15, MHGD15, MBTB14, NWM16, RBBG15, SM14, SGM⁺15, SEM⁺14, SGH15b, SGH16, SGH17b, SGH17c, SMVW14, SBVM16, TM16, TK14, YKPMP18]. **Reference** [JJB16]. **References** [SLOVB15]. **Referencing** [FFSS17]. **Reflecting** [SMSV17]. **Reflection** [MKA⁺14]. **Reflections** [TP15, Ter16]. **Reflector** [RJCW17]. **Regression** [DHSG15, DTDL16, GR14, GHAP17, HGAPB15, JRA17, LS14b, MAL18, PMMM15, WS14, XDDL15]. **Regression-Based** [WS14]. **Regressive** [HBB17]. **Regularity** [SBV17]. **Regularization** [DC16, LGTG16, LGHG17, RHvdP⁺16, WGR⁺18, ZWCT15]. **Regularized** [BCB15, STBC17]. **Reinforcement** [CH14]. **Related** [BKK15, LFH⁺15, MBM15]. **Relation** [FWF17, LLWJ16]. **Relationships** [MVH16]. **Relative** [CB14, FPTJ17, KMG15, SGH15b]. **Relaxation** [YLJ16]. **Relaxed** [LZHN14]. **Relevance** [LZ16, LCC⁺15]. **Remote** [SBVM16]. **Reorganization** [MBTB14]. **Repeated** [JFG⁺17]. **Repeats** [NNS16]. **Representation** [AGW15, ADM⁺17, MBD⁺15, PKA14, Rak17, SAS17, SKH⁺15b, VML14, WVCL14, ZKA15, ZPP15]. **Representation-Based** [AGW15]. **Representations** [BV17, CZZ15, CSAR⁺14, DSMD15, PHM⁺16, RG15a, SY15, YCLS17, YGV14, ZXH⁺16, vHK14]. **Representing** [WLL15b]. **Reproduction** [HGT15a, HGT15b, JSR16, JK15, KBV16, KBV17, KFH⁺14, SR14, SvWRK15, TZA14, VDM15, ZA14]. **Reranking** [SKK14].

Rescoring [LCW⁺16]. **Residual** [RBBG15, WVCL14]. **Resilient** [YBC⁺14]. **Resolution** [BP14, DTDL16, KKGH16, RARR15, SKH⁺15b, TOS14]. **Resource** [Ano16-48, Ano16-49, CM15, HLL15, HOF15, LGR14]. **Resource-Limited** [HLL15]. **Resources** [DBM15]. **Response** [ADM⁺17, CCR16, LXS⁺18, TWSS16]. **Responses** [BA16, DMP⁺18, KB14, MCD14, TP15, Ter16, VDC⁺17]. **Restoration** [DM16, KSK⁺15]. **Restricted** [NTA15, NTM16]. **Results** [MBK17]. **Retrieval** [ARSLN16, yLsL14, sLGyLaC15, PDS⁺16, RRdM16, VML14, ZXH⁺16]. **Reverberant** [AGBC14, CASZ17, DW17, FSO17, JWLF14, LKHU14, MMB17, MGGK17, SAC17, ZW17, ZWW14, ZWW15]. **Reverberation** [BRD15, DBN⁺17, HCJT15, KDJJ16, KDJJ17, LBR16, LYN14, NR14a, PLZL17, SH14a, SH14b, SGH17b]. **Reverberator** [PCLP14]. **Reverse** [DM16]. **Reversion** [RJCW17]. **Review** [MSRND14]. **Reviewers** [Ano14-81, Ano15-70, Ano17-67]. **Rhythm** [GKC16, HS15, MFG15, NYS17, RDP14]. **Rhythm-Based** [RDP14]. **Rich** [SKK14, ZP15]. **Riesz** [AS15]. **Risk** [CY15]. **RLS** [CC15, ZN14]. **RNN** [NTA15, SSK17]. **RNN-Based** [SSK17]. **Robot** [TR14b]. **Robots** [TR15]. **Robust** [AV16, AS17b, AM18b, ATP15, BC17, BE17, BCB15, CBA⁺15, CCR16, CZ17, GMH14, GWG⁺14, GI15, GBH16, GCvWMJ14, GB14, GJB15, HAGSZ16, HH14, HIA⁺17, HHC16, IY16, JFG⁺17, KGP14, KAJC16, KS16, KD17, KMG17, LWZ⁺14, LDGHU14, LS14a, LM15, LMC17, LZHN14, MMB17, MPAEBLB15, MPC16, May18, MZX⁺15, MAK15, NW14, NXCL16, Non14, PCB16a, QTY16, QBTY16, QCDW17, RH18, SH14a, STH⁺18, SW16, SKM17, SLW15, TD16, TZZ⁺15a, TWSS16, TVJ15, TMKO17, TS16, WW16, WED16, WYH17, XNG⁺14, YGV14, YLY15, ZZH16, ZBC14, ZWW14, dlCSVAGAPM15, VZC14]. **Robustness** [CH18, HGT15c, NW15, SK16a]. **Role** [DBM15]. **Roles** [YW14]. **Rolling** [CDA⁺14]. **Room** [ADM⁺17, BA16, BGQO⁺17, BHBS16, BS14, CCR16, DHCS15, DAMvW15, EGMN16, FdDARF16, HB17, KB14, MCD14, SAPB15, SRH15, TZA14, TP15, Ter16, VDC⁺17, YB14, vMM14]. **Rotation** [MGF18]. **Rule** [ZP15].

S1.11 [YLJ16]. **Sample** [Bre15]. **Sampling** [BBM17, BKK15, WD16]. **Savitzky** [KMG17]. **Scalable** [MK16, VDC⁺17, XO16]. **Scale** [CL14b, WCC⁺15]. **Scale-Frequency** [WCC⁺15]. **Scattering** [DHCS15]. **Scenario** [ZWX15]. **Scenarios** [HOF15, LH14]. **Scene** [BSER17, IO17, MF17, PHM⁺17, RG15a, Rak17, RVB⁺17, YK17, Ano16-52, Ano16-53, Ano16-54, Ano16-55, Ano16-56, Ano16-57]. **Scenes** [LLR⁺16, MHB⁺18, SMA⁺17, SMSV17, TMKO17]. **Scheduled** [PCG17]. **Scheduling** [AA17]. **Scheme** [BKK15]. **Schemes** [FFSS17, FdDARF16, vMM14]. **Score** [CJ15, DM16, HXWS15, KH16, LD16, NNS16, WED17]. **Score-Aging** [KH16]. **Score-Informed** [DM16, WED17]. **Scores** [VMOL16]. **Scoring** [CJ15, Cum15]. **Screams** [SK16b]. **Search** [HBF⁺16, OR16a, ZP15]. **Secondary** [AKN⁺16, GLQ16, GdC14, MX17, WAS16]. **Secondary-Path** [GdC14, MX17]. **Section** [LFH⁺15, RVB⁺17]. **Segment** [WLL⁺15a]. **Segmental** [MAP14]. **Segmentation** [BSL15, BSL16, BD16, CMY16, DP16, KJG16, NJC16b, SBV17, TQW⁺15]. **Segregation** [JWLF14]. **Selection** [BY15, CHWL14, KNH⁺17, LAK16, NAK⁺17, XYH14, ZCF14]. **Selective** [TH16]. **Self** [HWRC15, SAA15]. **Self-Localization** [HWRC15].

Self-Recovery [SAA15]. **Semantic** [AVK⁺15, BM15, DBM15, FGQ⁺15, HM14, yLsL14, yLSY⁺14, SFIL17, WTHJ14, YW14]. **Semi** [LGTG16, LGTG17, LAK16, LS14b, ZB14]. **Semi-Parametric** [LS14b]. **Semi-Supervised** [LGTG16, LGTG17, LAK16, ZB14]. **Semidefinite** [BC17, SD16a]. **Semispontaneous** [HWC⁺17]. **Semisupervised** [DXZ⁺18, LK16]. **Senone** [FLMS16]. **Senone-Based** [FLMS16]. **Senones** [JSMD18]. **Sensing** [Chi15b, MCD14, WLL⁺16, WZS14]. **Sensing-Based** [WLL⁺16]. **Sensitive** [CH16]. **Sensor** [AM18a, BBM17, CG17, CPSFC⁺14, GCG⁺17, SHAGPRZ17]. **Sensors** [HF15]. **Sensory** [BE17]. **Sentence** [CZG⁺15, MSFK15, MC17, NAK⁺17, PDS⁺16, TQW⁺15, ZM17]. **Sentences** [HS15, RCL18]. **Sentiment** [CZG⁺15, KSH17, LJX⁺16, TQW⁺15]. **Sep** [SPM17a]. **Separable** [SZVZ16]. **Separating** [MGGK17]. **Separation** [AV16, AJLW14, AGBC14, BXY14, BV16, CWW14, CY16, DW17, DM16, DTDL16, EDO17, FSO17, GVMGO17, GRSP17, HL15, HKHJS15, IY16, JSYW16, JVR16, KSK⁺15, KOS⁺16, KYTJ17, KBGAP⁺16, LBR16, NW14, NW15, NV14, NDV18, NLV16, OOK17, OIY⁺14, PSL17, RDP14, SOF15, SGH17c, SGH17a, SKDN14, SLOVB15, TOKS14, TOS14, TS14, WWD14, WNW14, WRC16, WDDL17, WWW16, WRDP17, YLL15, ZW16b, ZZN⁺16, ZW17, Ziv15, ZPP15]. **Sequence** [DDZS17]. **Sequences** [BCA15, CCR16]. **Sequential** [FMD14, GLC⁺14, RCL18]. **Session** [LH14]. **Set** [RARR15, TD16, WSY14, ZH15]. **Sets** [MKA16]. **Severe** [SAB16]. **Shift** [SKSD14]. **Shifting** [HGT15b]. **Short** [HCJT15, LWZZ16, PDS⁺16, YZLY17]. **Short-Term** [PDS⁺16, YZLY17]. **Short-Time** [HCJT15]. **Show** [DAFS15].

Sign [KKJN17]. **Signal** [Ano14-33, Ano14-34, Ano14-35, Ano14-36, Ano14-37, Ano14-38, Ano14-39, Ano14-40, Ano14-41, Ano14-42, Ano14-43, Ano14-44, Ano15-30, Ano15-31, Ano15-32, Ano15-33, Ano15-34, Ano15-35, Ano15-36, Ano15-37, Ano15-38, Ano15-39, 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, BvWWM17, CWW14, DMVP16, EJ16, KSK⁺15, KD17, PCW15, RMBK14, SWW⁺17, SBVM16, VS14, VDM15, YZLY17]. **Signal-Dependent** [DMVP16, KD17]. **Signal-to-Noise** [CWW14]. **Signals** [AKG⁺17, BP14, CT14, ESJ17, HTG14, JD17, LJK17, MP16, NWM16, NR14b, SK17, TOS14, TZZ⁺15a, VM15, WAS14, XNRG15, ZG16, Ziv15, vHK14]. **SII** [HCJT15]. **Silent** [KCMW17, MHD⁺17]. **Similar** [MWT16]. **Similarities** [PHM⁺16]. **Similarity** [BA16, BM15, FMD14, FDK15, yLsL14, OR16a]. **Simplified** [GLQ16]. **Simulating** [LLR⁺16]. **Simulation** [BHBS16, CFMM14, HB17, Hel14, KBV17, vMM14]. **Simulations** [DAMvW15, SvWRK15]. **Simultaneous** [SM18, TK14, YHO⁺17]. **Singer** [HL15]. **Singing** [CWJ16, DAR16, HL15, IY16, KG16, MTBB15, TOS14]. **Singing/Humming** [WJ15a]. **Single** [AM18b, AY15, BXY14, CDLX18, DAFS15, DBN⁺17, DTDL16, GH17, GRSP17, KG14, MK15b, MK15c, MBK17, PSL⁺16, SGM⁺15, Ter16, VP17, WWD14, WDDL17, WYSD15, YKPMP18, YLL15, ZPP15]. **Single-Channel** [AM18b, BXY14, CDLX18, DBN⁺17, DTDL16, GRSP17, KG14, MK15b, MK15c, MBK17, PSL⁺16, SGM⁺15, WWD14, WDDL17, WYSD15, ZPP15]. **Single-Microphone** [YKPMP18, YLL15].

SiPTH [MTBB15]. **Size** [AA17, Bre15, CC14a, TM16, ZZH16]. **Sized** [HWC⁺17]. **Sizes** [KKJN17]. **Skips** [NNS16]. **Slavic** [ZP15]. **Sliding** [ZN14]. **Sliding-Window** [ZN14]. **Slot** [MDY⁺15]. **Small** [Bre15, CWH⁺16, HWC⁺17, LR17, TD16]. **Small-Footprint** [LR17]. **Small-Sized** [HWC⁺17]. **Smoothing** [HWW16, JC17, RG17]. **Smoothness** [TOKS14]. **SMT** [ARSLN16]. **Snapshot** [Ter16]. **SNR** [AY17, CH15, EMTF17, HBLC14, KK14, LM15, MK15b, SFK15, SLGZ15]. **SNR-Invariant** [LM15]. **Social** [LTWT17]. **Society** [Ano14-33, Ano14-34, Ano14-35, Ano14-36, Ano14-37, Ano14-38, Ano14-39, Ano14-40, Ano14-41, Ano14-42, Ano14-43, Ano14-44, Ano15-30, Ano15-31, Ano15-32, Ano15-33, Ano15-34, Ano15-35, Ano15-36, Ano15-37, Ano15-38, 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]. **Solo** [AS17a]. **Solution** [PCB15]. **Solutions** [WW15]. **Solving** [SDDCC15]. **Some** [ZP15]. **Song** [DHYG14]. **Songs** [FDK15]. **Sonority** [SP17]. **Sound** [APH14, AM18a, ADM⁺17, BLLP17, CPSFC⁺14, DTC17, DHP14, EJ16, FPTJ17, HWT⁺17, JC17, KBV16, KBV17, KMG17, LLR⁺16, LGTG16, MSS17, MBM15, MAB⁺16, MZX⁺15, NV14, NDV18, NHK16, OR16b, OFF⁺17, OIY⁺14, PLZL17, PSL17, PCG17, RBR16, RVB⁺17, SSKP16, SPM17a, SPM17b, SBG17, TOKS14, TOS14, TH14, TH16, VDM15, WAS16, ZA14, rPH⁺17, Ano16-52, Ano16-53, Ano16-54, Ano16-55, Ano16-56, Ano16-57]. **Soundfield** [JK15, MAST15, TZA14]. **Sounds** [CDA⁺14, TMKO17]. **Source** [AV16, APH14, AM18a, AJLW14, ATP16, AB14, AB15, CBA⁺15, CZY⁺18, CY16, EDO17, FSO17, FPTJ17, GVMGO17, GRSP17, HKHJS15, JSYW16, JVR16, KOS⁺16, KMG15, LGTG16, LGTG17, LBR16, NV14, NLV16, OOK17, OIY⁺14, PCB14, RJCW17, SOF15, SGH17c, SGH17a, SP17, SLL⁺16, SLOVB15, SPM17a, SPM17b, TS14, TWSS16, TE16, WWD14, WRC16, WHRC16, YZLY17, ZH15, ZPP15]. **Source-Specific** [SLL⁺16]. **Sources** [AKB⁺16, DHSG15, DG15, DTC17, JC17, KNH⁺17, LWZ⁺14, MMB17, MAB⁺16, MGGK17, NDV18, NHK16, OIY⁺14, PHK16, WAS16]. **Space** [BDL15, CL14a, FGQ⁺15, HB17, LFH⁺15, MAST15, MAB⁺16, MFG15, MBD⁺15, WZL⁺15, WSH15]. **Span** [JBC16]. **Sparse** [AKB⁺16, AGW15, ADM⁺17, BV17, BIK⁺18, Chi18b, CDW16, CSAR⁺14, CT14, DBK15, FWF17, HL14, HOF15, JSYW16, JK15, JvWGD15, KKK15, LG16, PKA14, SAS17, SLY14, SLGZ15, VDC⁺17, WAS14, WVCL14, YGV14, ZF14]. **Sparsely** [SMSV17]. **Sparsity** [AGBC14, Bay15, JYB⁺15, LGHG17, ONKP16]. **Spatial** [ATP16, CH18, DMVP16, FLB16, HGT15a, HGT15b, HIA⁺17, IO17, KMG15, LGHG17, MF17, NV14, RKN14, SAC17, TZA14, TH14, TH16, TTH14, VDM15]. **Spatially** [ATP15]. **Spatio** [ADM⁺17, JCBJ15]. **Spatio-Temporal** [ADM⁺17, JCBJ15]. **Speaker** [AS17b, CBG15, CL14b, CL17a, CL17b, DAFS15, FMB16, GH17, GHAP17, HH14, HGAPB15, JJB16, KH16, KCMW17, LM15, LWZZ16, LMC17, LGHG17, LCWC16, LH14, MPC16, MZM15, MSD14, PBQ15, RH18, SH14a, SAB16, STH⁺18, SDK17, SG14, SKAK16, SAK16, TLWV17, TCY15, TMH⁺14, VMOL16, WDD⁺16, YB14, YH17, ZSB17, ZCY16, ZWW14, ZWW15, VZC14]. **Speaker-Adaptive** [HGAPB15]. **Speaker-Independent** [KCMW17].

Speakers [NR14a]. **Speaking** [CHC⁺14, JBTL15, 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].

Specific [SLL⁺16]. **Specification** [YLJ16].

Spectra [SPM17a, SPM17b, SLY14, SKH⁺15a].

Spectral [AF18, Bay15, BS14, GKC16, HWW⁺15, JFG⁺17, JRA17, KBG16b, LKHU14, LS14a, MAT15, MKMDM17, NWM16, PS17, PK15, SH14a, SSK17, SY15, SKH⁺15b, WLL⁺15a, WGD15]. **Spectro** [MD16, NXCL16, SGA15, vHK14].

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

Spectrogram [KSK⁺15, KMG17, PSL17].

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

Spectrum [HGT15a, HHC16, MPAEBLB15, SKH⁺15a, TTB⁺16, VM15, XNRG15].

Spectrum-Based [XNRG15]. **Speech** [AHMJ⁺14, AZK15, AKG⁺17, AF18, AGW15, AS17b, AdHTJ16, AM18b, AY15, AY17, Ano14-45, Ano14-77, Ano14-54, Ano14-66, Ano14-78, Ano14-55, Ano14-67, Ano14-79, Ano14-56, Ano14-68, Ano14-80, Ano14-57, Ano14-69, Ano14-46, Ano14-58, Ano14-70, Ano14-47, Ano14-59, Ano14-71, Ano14-48, Ano14-60, Ano14-72, Ano14-49, Ano14-61, Ano14-73, Ano14-50, Ano14-62, Ano14-74, Ano14-51, Ano14-63, Ano14-75, Ano14-52, Ano14-64, Ano14-76, Ano14-53, Ano14-65, Ano14a, Ano15-40, Ano15-50, Ano15-41, Ano15-51, Ano15-42, Ano15-52, Ano15-43, Ano15-53, Ano15-44, Ano15-54, Ano15-45, Ano15-55, Ano15-46, Ano15-56, Ano15-47, Ano15-57, Ano15-48, Ano15-58, Ano15-49, 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, Ano16-37, Ano16-41, Ano16i, Ano16j, Ano17-59].

Speech [Ano17-60, Ano17r, Ano17z, Ano17s, Ano17-27, Ano17t, Ano17u, Ano17v, Ano17w, Ano17x, Ano17y, Ano17-57, AS15, ACRS14, AGBC14, ACB17, AZGN14, BVGV15, BF18, BIK⁺18, BXY14, BHS⁺16, BE17, BD16, CE15, CLAG16, CWW14, CHC⁺14, CHWL14, CRVB⁺15, CM15, CH15, CWH⁺16, CLW⁺16, CMY16, CDLX18, Chi18a, CMG⁺17, CTLL17, CH14, DP16, DLG18, DW17, DBK15, DXZ⁺18, DTL15, DB15, DTN⁺17, DTN⁺14, DBN⁺17, DH14, DTDL16, ESVK17, EZS14, GFG⁺14, GVMGO17, GI15, GBH16, GCJ⁺14, GCG⁺17, GJB15, GJ17, HW14, HWW⁺15, HBB17, HLL15, HCJT15, HS15, HYI⁺15, HWC⁺17, HM14, HHC16, ISZA15, JP14, JFG⁺17, JD17, JVR16, JT14, JT16, JWLF14, JRA17, JvWGD15, KGP14, KK14, KKK15, KS16, KCMW17, KYTJ17, KGH⁺16, KKGH16, KBG16a, KBG16b, KG14, KDJJ16, KDJJ17, LM17, sLGyLaC15, LC16a]. **Speech** [LKHU14, LWZ⁺14, LDGHU14, LS14a, LWZZ16, LJK17, LS14b, LCC⁺15, LK16, LGR14, LR17, LSH14, MWT16, MPAEBLB15, MJZ15, MK15a, MGK17, May18, MHD⁺17, MC17, MH16, MSD14, MD16, MAT15, MDM15, MAK15, MKA16, MK15b, MK15c, MBK17, NW14, NW15, NXCL16, NJC16a, NJC16b, Nos16, NAK⁺17, OHN16, OWA15, PSL⁺16, PK15, PHM⁺16, QTY16, QBTY16, RKL14, RWF16, RKN14, RG18, SV17, SP16, SWW⁺17, STS18, SDDCC15, SAA15, SM14, SGH15b, SGH15a, SGH16, SKSD14, STBC17, SR14, SAS17, SFIL17, SH17b, SSK17, SKDN14, SKM17, SM18, SLW15, SLGZ15, SZVZ16, TM14, TTB⁺16, TLWV17, TH17, TJCB16, TKT17, TK14, TR14a, TE16, VM15, VP17, WWD14, WS14, WNW14, WCC⁺15, WLL⁺16, WW16, WDDL17, WTHJ14, WYSD15, WJ15b, WWW16, WW17, WRDP17, WHLG14, WZS14, WK16, XDH⁺17, XDDL15, XDC⁺17, XAHJ⁺14, YBC⁺14].

Speech [YK14, YB14, YLL15, YGV14,

YZLY17, YHO⁺17, ZCF14, ZH14, ZF14, ZCDS15, ZW16b, ZG16, ZZN⁺16, ZW17, ZJD⁺15, ZSIA16, VZC14].

Speech-Distortion [AM18b].

Speech-in-Noise [ZSIA16].

Speech-to-Speech [DTN⁺17]. **Sphere** [BKK15]. **Spherical** [AR16, ATP16, DMVP16, EJ16, Hac14, HMN17, HZF17, JTHN14, JSR16, JEP14, JC17, NR14a, SAC17, SR14, SvWRK15, TP15, Ter16, ZKA15]. **Spiking** [CLAG16].

Spoken [Ano16-50, Ano16-51, CTLL17, CL18, FLMS16, HS15, KG17, yLsL14, yLSY⁺14, sLGyLaC15, MAP14, MDY⁺15, RV17, SWH⁺17, SHKB17, SLK17, WWLL14].

Spontaneous [HWC⁺17, WJ15b, WHLG14]. **Spoofing** [QCDW17, WDD⁺16]. **Spotforming** [TH16]. **Spotting** [WTHJ14, WJ15b].

Spread [HGT15c, XNRG15]. **Square** [JT15, ZH16]. **Squares** [BBM17, LZHN14, SOF15, SD16b]. **SR** [LCWC16]. **SR-HPM** [LCWC16]. **SRMR** [SF14]. **SRRank** [YW14]. **Stable** [GCJ⁺14].

Stacked [WK16]. **Stacking** [ZZN⁺16].

Stage [GRSP17, HZF17, SGM⁺15, SK16b, TOS14].

Startle [DMP⁺18]. **State** [LB16, MSRND14, WHLG14, WLL15b, YSCZ15, ZJD⁺15]. **State-Based** [WHLG14]. **State-Clustering** [ZJD⁺15].

Stationary [BP14, DBK15, LSH14, MPAEBLB15, NJC16a]. **Statistical** [AKN⁺16, BY15, Bre15, CRVB⁺15, CZY⁺18, GJB15, KBG16a, MHPB15, MSD14, NAK⁺17, RLK14, STS18, TTB⁺16, TKT17, TZZ15b, WZL⁺15, XZW15, YEY17, ZLLS16].

Statistically [EZS14]. **Statistics** [JSMD18, MKMDM17, NJC16a, OL15, TS14].

Steerable [WC16a]. **Steered** [TWSS16].

Steganalysis [LJK17]. **Steganography** [AGW15, LJK17]. **Step** [AA17, CC14a, CC14b, KKJN17, TM16, ZZH16]. **Step-Size** [AA17, CC14a, TM16, ZZH16]. **Step-Sizes** [KKJN17]. **Stereo** [AJLW14, CHJ14, HTG14, NCC15].

Stereo-Input [CHJ14]. **STFT** [KG14, PBS17]. **Stochastic** [WLL15b].

Strategy [MX17]. **Stream** [AZK15].

Streaming [DHP14]. **Streamlined** [PT14].

Streams [XO16]. **String** [MSS17]. **Strings** [SAK16]. **Strong** [OWA15]. **Structural** [SBV17]. **Structure** [KHCW15, TP16, ZZZ16, ZLJ⁺17].

Structured [AGBC14, CL18, KWGW17, KKK15, PPSG17, RCL18]. **Structuring** [yLSY⁺14]. **Student** [ISZA15]. **Studio** [ES16]. **Study** [CWW14, CFMM14, FLMS16, HF15, KBV17, PCB14, SKSD14].

Style [GKC16, WWLL14, VZC14]. **Sub** [CL14a, RARR15]. **Sub-Set** [RARR15].

Sub-Space [CL14a]. **Subband** [CD17, FZZ⁺15, GLQ16, KKJN17, KGH⁺16, PPSG17, SM14]. **Subbands** [MBM15].

Subglottal [MVH16]. **Subharmonic** [IYY16]. **Subject** [Ano17a]. **Subjected** [TM14]. **Subjective** [Bre15, PCLP14].

Subspace [GR14, LM15, LGR14, ONKP16, XDC⁺17, YZLY17]. **Subtraction** [KMG15].

Subtree [SKK14]. **Subword** [HBF⁺16].

Sum [CPSFC⁺14, ZH14]. **Summarization** [CLC⁺15, CLCW18, GLC⁺14, LCC⁺15, RRdM16, WYH⁺15, YW14, ZZZ16].

Summarizing [BSL16, HNY⁺15].

Summation [IYY16]. **Super** [CY15, McL14, RG18]. **Super-Audible** [McL14]. **Super-Gaussian** [CY15, RG18].

Superconductivity [Ano17a].

Superdirective [BCB15, CT14, PCB16a].

Supergaussian [RBBG15].

Superpositional [TG16]. **Supertags** [ODSM16]. **Supervised** [GFG⁺14, LGTG16, LGTG17, LAK16, Rak17, RV17, SK16b, WNW14, WsL15, YLL15, ZB14].

Support [CL14b]. **Suppression** [TZZ⁺15a].

Suprasegmental [SP17]. **Surface** [MVH16]. **Surnames** [ZP15]. **Survey**

[SWH⁺17]. **Sustained** [LD16]. **Swarm** [WRKG17]. **Switched** [YsL15]. **Switching** [AVK⁺15, WLLZ17, WSY14, WSH15]. **Syllable** [CGL⁺15, WHLG14]. **Syllable-Context** [CGL⁺15]. **Symbolic** [OL15]. **Synchronization** [CG17, XNG⁺14]. **Synchronous** [SM18]. **Syntactic** [AVK⁺15, XWZ16]. **Synthesis** [AG17, BRD15, BGQO⁺17, CHWL14, CRVB⁺15, CWH⁺16, CDA⁺14, DHCS15, DLG18, FFSS17, GDM18, HWC⁺17, MSS17, MSD14, MDM15, Nos16, NAK⁺17, OR16b, STS18, SSK17, SLH17, TTB⁺16, WAS16, WHLG14, WK16, YHO⁺17]. **Synthesizer** [CMG⁺17]. **Synthesizing** [RHvdP⁺16]. **Synthetic** [ARSLN16, EZS14]. **System** [KBV17, KG17, yLSY⁺14, LAK16, LG16, MGT15, ODG16, PS17, RBR16, SGM⁺15, SP17, SBVM16]. **Systematic** [YLJ16]. **Systems** [AA17, AZGN14, BLLP17, CE14, Chi18a, CB14, LC16b, MSFK15, MMDL⁺14, MSD14, RLK14, SSK17, WLL15b, XWZ16, YLJ16].

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Three-Dimensional [KBV17].
Thresholding [ISZA15]. **Throat** [STH⁺18, TE16]. **Throat-Microphone** [TE16]. **Tilt** [JRA17]. **Timbre** [ARW⁺16].
Time [APH14, AM16, BP14, BHBS16, GEC15, HB17, HGT15b, HCJT15, HGT15c, KB14, KBGAP⁺16, MAP14, MTBB15, NNS16, RG15a, SK17, SH17a, SH14b, TZZ⁺15a, WW17, WZS14, ZSIA16, ZH15].
Time-Delay [APH14]. **Time-domain** [WZS14]. **Time-Frequency** [AM16, BP14, TZZ⁺15a, WW17].
Time-Shifting [HGT15b]. **Time-Spread** [HGT15c]. **Time-Varying** [KBGAP⁺16].
Together [Ano14-115, Ano14-116]. **Tokens** [CTLL17, CL18]. **Tonal** [DDZS17]. **Tongue** [SLH17]. **Topic** [LJX⁺16, WTHJ14, XZW15, ZM17].
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Trained [NTA15, ZF14]. **Training** [CLLD14, CLW⁺16, CH16, CL14b, DH14, HXWS15, KYTJ17, LAK16, May18, MZM15, NTM16, NW15, QTY16, QMS16, hShWsL15, TQY16, TLWV17, WNW14, WW16, WJ15b, WK16, XWZ16, VZC14]. **Trait** [SWZ16].
Trajectory [LS14b, WK16]. **Transactions** [Ano14-45, Ano14-77, Ano14-54, Ano14-66, Ano14-78, Ano14-55, Ano14-67, Ano14-79, Ano14-56, Ano14-68, Ano14-80, Ano14-57, Ano14-69, Ano14-46, Ano14-58, Ano14-70, Ano14-47, Ano14-59, Ano14-71, Ano14-48, Ano14-60, Ano14-72, Ano14-49, Ano14-61, Ano14-73, Ano14-50, Ano14-62, Ano14-74, Ano14-51, Ano14-63, Ano14-75, Ano14-52, Ano14-64, Ano14-76, Ano14-53, Ano14-65, Ano14a, Ano15-40, Ano15-50, Ano15-41, Ano15-51, Ano15-42, Ano15-52, Ano15-43, Ano15-53, Ano15-44, Ano15-54, Ano15-45, Ano15-55, Ano15-46, Ano15-56, Ano15-47, Ano15-57, Ano15-48, Ano15-58, Ano15-49, 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, Ano16-37, Ano16-41, Ano16i, Ano16j, Ano16g, Ano16h, Ano17-59, Ano17-60, Ano17r, Ano17z, Ano17s, Ano17-27, Ano17t, Ano17u]. **Transactions** [Ano17v, Ano17w, Ano17x, Ano17y, Ano17-57, Ano17-58, Ano17l, Ano17m, Ano17n, Ano17o, Ano17p, Ano17q, Ano17a, DRFO14]. **Transcribing** [GMH17].
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Transcripts [BSL16]. **Transducers** [MHBT15]. **Transfer** [BRD15, BKK15, FPTJ17, HMDG15, KMG15, MBM15, MD16, SAPB15, SGH15b, SMH14].
Transform [AS15, DTL15, NXCL16, OWA15].
Transformation [WHLG14].
Transformations [CTSC14, CG16, CL17a, CL17b]. **Transient** [WAS14]. **Transients** [DTC16]. **Transition** [ODSM16]. **Transition-Based** [ODSM16].
Translation [BBC⁺16, BY15, CZY⁺18, DTN⁺17, LFU⁺17, MHPB15, TZZ15b, WZL⁺15, XWZ16, XZW15, ZZZ16, ZLLS16, ZXSD17, ZXH⁺16]. **Transmission** [LC16a].
Transplantation [CBG15]. **Tree** [DG15, HNY⁺15, PHM⁺17, YHO⁺17].
Tree-Based [DG15, YHO⁺17]. **Trellis** [MK16]. **Trellis-Based** [MK16]. **Trending** [GLC⁺14]. **Trimming** [HNY⁺15].
TRINICON [MGGK17]. **TTS** [CHC⁺14, LCWC16]. **Tuned** [AG17].
Tuning [YM17]. **Tunisian** [GJB15]. **Turbo** [RWF16]. **Turn** [SWZ16]. **Turn-Taking** [SWZ16]. **TV** [PBQ15]. **Twitter** [GLC⁺14].
Two [AG17, CC14b, GRSP17, HZF17, LCW⁺16, QMS16, SGM⁺15, SGH17a,

SK16b, TOS14, WHRC16, XDC⁺¹⁷].
Two-Dimensional [AG17, XDC⁺¹⁷].
Two-Pass [QMS16]. **Two-Stage** [GRSP17, HZF17, SGM⁺¹⁵, SK16b, TOS14].
Two-Step [CC14b]. **Tying** [CWYC17].
Type [OHN16].

Ultra [YLD15]. **Ultra-Low** [YLD15].
Unambiguous [RKN14]. **Uncertainties** [RLPK15]. **Uncertainty** [KGP14, KBG16b, RLK14, TVJ15].
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Understanding [CSJD16, GJB15, KG17, MDY⁺¹⁵, SHD14].
Unfrequent [MWT16]. **Uniform** [ATP16, HBC17, PCB16a, WJ15b].
Unifying [KOS⁺¹⁶]. **Unique** [PBC16].
Unit [LWZZ16, SHDG16, SLR16]. **Units** [HBF⁺¹⁶]. **Unscented** [TCY15]. **Unseen** [SZVZ16]. **Unsegmented** [HWC⁺¹⁷, MHB15]. **Unsupervised** [CDLX18, CTT17, CL18, KJG16, LJX⁺¹⁶, MP16, PBQ15, SP16, SK17, SR16b, SLR16, WsL15, WDDL17, XYH14, XHW⁺¹⁷].
Unsynchronized [TS16]. **Unvoiced** [KKG16]. **Update** [HBB17]. **Updating** [SF14]. **Urban** [SK16b]. **Use** [ARSLN16, DB15, SHDG16, CPL14]. **Used** [BS14, GEC15]. **User** [EDO17, HM14, LXS⁺¹⁸, WWD14].
User-Friendly [EDO17]. **User-Generated** [WWD14]. **Users** [SF14]. **Using** [AF18, AM18a, ATP15, AY17, ADM⁺¹⁷, AS15, AG17, AB15, BV17, BC17, BGQO⁺¹⁷, BLLP17, BvWWM17, BMVG17, CCR16, CE15, CHJ14, CHWL14, CLLD14, CWH⁺¹⁶, CASZ17, CWCP17, CMG⁺¹⁷, DC16, DP16, DvWDM14, DHSG15, DAFS15, DBM15, DTC15, ES16, FSO17, FWM^{+14a}, FWM^{+14b}, FOBP15, FPTJ17, FZZ⁺¹⁵, FDK15, FNA15, GMH14, GRSP17, GJ17, GDM18, HAGSZ16, HGT15a, HBF⁺¹⁶, HL15, HWW16, HWC⁺¹⁷, HGAPB15, IO17,

JSYW16, JTHN14, JYB⁺¹⁵, JWLF14, JK15, JRA17, KJG16, KKK15, KCMW17, KMG17, KHCW15, LWZ⁺¹⁴, LS14a, LCW⁺¹⁶, LFU⁺¹⁷, MJZ15, MZX⁺¹⁵, MDY⁺¹⁵, MZM15, MCD14, MSD14, MD16, MBTB14, MAT15, MK16, MK15b, MJJ⁺¹⁴, NYD17, NTA15, NTM16, NXCL16, NCC15, NNL15, NDV18, NAK⁺¹⁷, ODG16, PS17, PDS⁺¹⁶, PCB16b, RG15b, RRdM16, SAB16, STH⁺¹⁸, SP16, SOF15, SAP14, SAC17, SDK17, SG14].
Using [SGH15b, SGH15a, STBC17, SLGA15, SP17, SvWRK15, SLL⁺¹⁶, SFK15, SLOVB15, SMH14, SLH17, SMSV17, SLGZ15, SZVZ16, TZA14, TH14, TP15, TR15, VM15, VP17, VDM15, WAS14, WWD14, WGD15, WCC⁺¹⁵, WRC16, WHRC16, WED17, WJ15b, WAS16, WSY14, WHLG14, WSH15, WAJL15, WK16, WRKG17, XYH14, YB14, YGV14, ZP15, ZZN⁺¹⁶, DH14, LZHN14, MAP14, NR14a, ZA14]. **Utilizing** [YKPMP18]. **Utterance** [KYTJ17, LWZZ16]. **Utterance-Level** [KYTJ17]. **Utterances** [HYI⁺¹⁵].

Valence [WYLZ16]. **Valence-Arousal** [WYLZ16]. **Value** [NYD17]. **Valued** [HHC16]. **Variability** [MBD⁺¹⁵, SLL⁺¹⁶, VMOL16]. **Variable** [AA17, CC14a, CC15, JBC16, KKJN17, NCC15, RBR16, SLW15, ZG16, ZZH16].
Variable-order [NCC15]. **Variance** [Nos16, WCC⁺¹⁵]. **Variational** [AV16, KBGAP⁺¹⁶, SEM⁺¹⁴]. **Varying** [KBGAP⁺¹⁶, LS14b]. **Vector** [AJLW14, BHS⁺¹⁶, CL14b, CL17b, FWF17, FGQ⁺¹⁵, GH17, KOS⁺¹⁶, MPC16, NCC15, SLK17, WCY15, XYH14, ZSB17, CL14a, CPL14].
Vectors [CL17a, HMN17, KWGW17, MZM15, PS17, PSL17]. **Verification** [HH14, KH16, LM15, LMC17, MPC16, STH⁺¹⁸, VMOL16, WCC⁺¹⁵, WDD⁺¹⁶, ZSB17].
Versus [SSKP16]. **Very** [CLAG16, ESVK17, HW14, QBTY16]. **Via**

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