A Complete Bibliography of *IEEE/ACM Transactions on Audio, Speech, and Language Processing*

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**Title word cross-reference**

1 [BSR+23, DG23, GCJ+14]. 1000 [RGK24].  
2 [MASC23, ZHCB23]. 2.5  
[WSFS19, WAS16]. 3 [BWH18, BSR+23, CT14, DGMB21, ECH23, GDM18, HB17, SMH14, YLLC19, ZHCB23, vMM14].  
[WSJ+23]. 5 [LCRY24]. α [VZC14]. β  
[FSO17]. ĵ [FWF17], ĵp [HCBY18]. F0  
[ZWW23a]. F0 [LTE+21, WTY+20b]. I  
[CL14a, KWGW17, MPC16, MZM15, SLK17, BHS+16, CPL14, GH17, KMAB18, PS17, RSR+19, XYH14, ZSB17]. M  
[YHC+20]. N [MHBT15]. O(n3) [LZZP22].  
Q [ZYW+24]. R2 [LQQW+24], t  
[CS19, LBR18]. U [JLKK21]. X  
[CZM+24, ZLX+24].

-D [CT14, HB17, WAS16].  
-Divergence-Based [FSO17]. -Estimate  
[YHC+20]. -Gram [MHBT15]. -Hour  
[RK24]. -integration [VZC14]. -Net  
[RLK21]. -Network [ZYW+24].  
-Noise-Robust [LTE+21]. -Norm  
[GCJ+14, HCBY18]. -Optimal [FWF17].  
-Source [CS19, LBR18]. -Vector  
[BHS+16, GH17, KMAB18, XYH14, ZSB17, CPL14, MPC16, CL14a]. -Vector-Based  
[SLK17]. -Vectors  
[PS17, KWGW17, MZM15].

/r/ [SGB22].

14 [FWM+14a]. 19 [ZTM+23].

2 [MZC+24]. 2.0 [LLC+23b]. 2.0-Based  
[FSN24]. 2.5D [FFS17]. 2017 [MDE+19].
2019 [PMA+21], 2021 [Ano21a, LWS+23].
29 [Ano21a].

3D [OGZ18, ZHCB21].

4 [CRH+14].

Acoustic-Articulatory
[GHAP17, HGAPB15]. Acoustic-Phonetic
[CWJ15, CWJ16].
Acoustic-to-Articulatory
[JJB16, SSSS22]. Acoustic-to-Word
[DLY+19]. Acoustical [LLLL19, YK21b].

Acoustics
[AGV24, AGD+22, BHBS16, BS14, CMM+23, DHCS15, HB17, KE23, SRH15, SLH17].
Acquisition [PCW15, RV17, TH16].
Acronyms [MK15a].

Across
[CTSC14, TALP24, YLD15].
Act
[MHBT15]. Acted [OR16a].
Action [WBSG18].
Activation
[CAFFR23, JLKK21, ZYG+14].

Activity
[BE17, CE15, CC14b, DWX+21, DTC15, DTC16, DTC17, DB17, DSH18, GG18, KM23, MLMT24, McL14, TON+22, YLY15, ZW16a]. ACTUAL [ZDY+23].

Actuator
[Rv-WM22]. ACVAE [KKTH19].

ACVAE-VC [KKTH19]. Ad
[TJCB16, WC18b]. Ad-hoc [WC18b].

Adaptable
[NCC21]. Adaptation
[ARSLN16, BDV+14, BE17, CWYC17, CQ22, CLL+21b, Ch18a, DHD+19, DKO+18, DXW+23, DBM15, FCG24, GR14, HBK24, HMO21, KGW17, LCWC16, LMC18, LM23a, MK15a, MH18, MSD14, NXCL16, PKR+24, RLPK14, SML+24, SS16, SSK17, SJHT21, SSAS21, SZL19, SRL16, SLR16, WUF+18, WH22, WWG+23, WSZN22, XLLW21, XYH14, XSC+23, XAHJ+14].

Adapted
[DAGS+18, SW20]. Adapters
[GZX+21, HZW+22].

Adaption
[GHJ+23, ZGL+23].

Adaptive
[AM16, BBC+16, BvWM17, BvWM18, CE15, CBS23, CD17, CWR+22, DKO+18, DH20, DWX+16, DGCY23, EV23, FWM+14a, FWM+14b, FNA15, FdDARF16, GCxWMJ14, GZX+21, GYdL+21, HCBY18, HDLL23, HBCC22, HQTX23, HLZ+23, HGAPB15, KKJN17, KWZ24, LCLM18, LRG21, IWL24, LC16b, LG16, LFdDG14, MLy+22, MMCF18, MSB18, MZM15, MDM15, MZL21a, NTM16, NW15, PPSG17, QCN+21, RG15b, RG17, RLF14, SGL+21, SP15, TM16, TZA14, TQY16, TQH+18, TNS+18, VE24, WBL22, WYH20, WXL+21, YK14, YEY17, Yan22, YPL21, YHC+20, ZYL+21, ZGZ23, ZDZ+21, ZEM18].
adCF [MMR+22]. Additive
[HAGA21, HCJT15]. Addressable
[QVZY24]. Addressing [LLW21].

Adequacy
[BDL15]. Adjustable [WW15].

Adjusted
[SAB16]. Adjustment
[CWH+16]. ADL [ZXY+21]. ADL-MVDR
[ZXY+21]. Admittance [MSS17].

Advanced
[GWL+24]. Advancements
[LH14]. Advances [RPK23, XXWY24].
Advancing
[DLY+19, Ano14-115, Ano14-116].

Adversarial
[AB18, BCCZ19, BGD+18, CWZ+23, CHL+23, DLL+21, HRL+21, JGD+24, LY21, LFQ19, LLC22, rLcHcC+22, LSG+23b, LCTA19, MV23, NLYK24, PKP+21, STS18, SWH22, TZA+23, TL19, WWG+23, WYZ+23, WLL+22, XHRC24, YTWB19, YTF+23, ZM24].

Adverse
[LC24, VMOL16]. AdvExpander [SWH22].

Aerial
[YLH23]. AF [CBS23]. Affective
[HHZ+21, HSWC21, WLYL16, WC16b].

Affects
[WTQ+19]. Aflne
[CNZ+24, FdDPG21, NLZ23, ZN14].

African
[HK24]. African-American
[HK24]. Against
[CH18, DLL+21, TK14].

AGC [YLD15]. Agent [LWCC21, YZY24].

AgentGraph
[CCT+19]. Agglutinative
[LHZ+24]. Aggregating
[TM22].

Aggregation
[CMY+21, GCG21, GGZ23,
Ano16i, Ano16j, Ano17-59, Ano17-60, Ano17r, Ano17z, Ano17s, Ano17-27, Audio
[Ano17t, 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, Ano21a, AB14, AB15, BF18, BV16, BC15, Bay15, BBFS21, BMV+23, BS14, Bre15, CWL22, CHJ14, CHL+19, CLW24, CWJ16, CWT22, DHSG15, DTC15, DVLH17, DSH18, DDNN19, EDO17, FSO17, FM15, FLB16, FBE19, GEC15, GaKGB21, GdBBS21, GCG21, GBF21, GRSP17, HGT15a, HGT15b, HPPM24, HWRC15, HGT15c, IBN+18, IJSN21, JVR16, JYB+15, KLY24, KA16, KSH17, KML18, KLC24, KBGAP16, KEzW21, KGG19, KCL21, LG19, LM17, LB16, LDG+23, LL24, LLWQ24, LC23, LM17, NCC19, NK15b, NK22, NTO+23, NLY16, ONG16, PDS14, PEO+20, PPM+24, PGS+22, PCW15, PHM18, PHM+16, PHM+17, QW+21, QW+23, RG15a, Rak17, ROL+15, SOK24, SSSL21, SW16, SLOV15, SB18, SLWY20, Sug22, SKH+15a, SKH+15b, SMK19, SRT23, TZZ+15a, TKH21, VML14, WPP+21, WGLZ21, Wd18, Wd19, WL19, XMG+14, XRG15, XNP+18, XV21, XO16, XHW+17, XXWY24, Yzw+21, ZM21, ZLO+22, ZSH20, ZYD+23, ZAL24, ZDZ+21, ZLL24a, ZQ+19, ZNX+21, ZTC23, vH14].


Automatic [AATKS21].

[ACRS14, AZGN14, BVGV15, BK24b, BH17+, BD16, CJ15, CLW16, CSZZ24, CLSy121, DHY14, ESVK17, FCCA23, GLW20, HK24, HHZ15, HY15+, HXWS15, KSH17, KKK15, KG16, LKHU14, LDGHU14, LCZ19, LS14b, LK16, LPI1+, LR17+, MSFK15, MSRND14, MAK15, MKA16, NR17, O’S24, OR16a, RGR22, RARR15, RWF16, SWW17, SHJY21, SW20, SBM19, SSKP16, SBG17, SLW15, SKT21, TZL+23, WW16, WTY+23, WZ19, WZH22, ZH19, ZDZ19, ZGC19, ZDZ23, ZGC+23].

Automation [MTS19].

Autoregressive [BYT1a, CLZ19, FCCA23, GMH14, cHrLLyL23, LLC22, LSDM19, MIYO14, NCC15, PDKG24, WTY18, WTY+20b, WHO1+, WHT+21, YCL22].

Auxiliary [AA17, KKTH19, SHJT21, ZCY16].

Availability [QCL23].

Averaging [CW18, WFN+18].

Awards [Ano19a].

Aware [AGB+24, ADLX23, BM21, BOR23, CMY+21, CLJW24, DZW20, DFY+24, DB18, DZ23, HCQ24, HDLL23, KCL21, LCW+18, LLZ+21c, LSWN23, LH+22a, LHZ+24, LCG+24, LZ19+, MZZ23, MV19, MH121, MWT+23, MTKS21, MZL1b, NDS+23, QTY16, QCN+21, STS21, SF18, SWC+21, TW+18, VDH24, WXS24, XZL+23, XSL19, YLH23, ZXSD17, ZXX19, ZL21a, ZZZ22a, ZLZ+24, ZM17, ZZ19, ZTC23].

Awareness [GYXY23, LSLK24].

Away [ZYU22].

Axial [HFL+23].

Axial-Attention-Based [HFL+23].

Azimuth [SCB21, XBZ+24].

Back [ACRS14, LH14, Ano14i, Ano14j, Ano14k, Ano14l, Ano14m, Ano14n, Ano14o, Ano14p, Ano14q, Ano14r, Ano14s, Ano14t, Ano15n, Ano50].

Back-end [LH14].

Back-off [ACRS14].

Backend [GH17].

Background [CZ17, RDP14].

Backward [LFQL19, ZTWY19].

Bad [MIR+21].

Bag [GBF21, GF17, LCYW21].

Bag-of-Audio-Words [GBF21].

Bag-of-Features [GC17].

Bag-of-Words [LCYW21].

Bank [AA17, KKJN17, LSWN23, LY23, WCC+23].

Band-Dependent [KKJN17].

Band-Split [LY23].

Banded [MIR21].

Bandwidth [AKG17, AF18, AF19, BNvdB20, GDC19, HJZB23, LAGD18, LB16, MV23, Ziv15, ZPP15].

Bandwidth-Extended [AKG17].

Bank [AM16, MWD12, MAK15, SGM15, WW15, WXL+21, YLJ16].

Banking [LYWC23].

Barriers [LLZ+21b].

BART [CXvG+23].

Base [FWF17, GJB15, LWJ19, WQ24a].

Based [AZK15, Abd18, AFG+23, AF19, AGW15, AB21, AJLW14, AMK+20, ADGE19, BWH18, BVGV15, BV17, BIK+18, BA19, BV23, BCA15, Bay15, BGQO+17, BHAM19, BHAM21, BKTR24, BJ24, BvWWM17, BG21, BH19, BM15, BSTM21, BSL15, BSL16, BH18, BD16, BG23, CWL22, CvdPHH21, CTO21, CSD16, CDLL19, CDLL21, CW18, CBN+24, CZG+15, CWW14, CHWL14, CJ15, CH15, CZY+18, CQ22, CHQ24, CMY+22, CCC21, CW16, CMG+17, CG19, CMD+23, CY15, CC14b, CC15, CPSFC+14, CSAR+14, CG16, CL17b, DMHZ22, DMSM21, DvWDM14, DKO+18, DW17, DMVP16, DWX+23, DmMvW20b, DBC20, DFY+24, DTN+14, DRK18, DG15, DY22, DSH18, DDNN19, DG23, FSO17, FM15, FCCA23, FWM+14a, FWM+14b, FBWG23, FLM23, FLMS16, FNM+19, FD21, FLB16, FSN24, FSE121, FdDARF16, GDC19, GWQ23, GBL24, GY14, GaKGB21, GTV19, GG18, GR14, GJ+14].

Based [GvdP23, GAM23, GLL20, GGZ23, GXW+23, HSPK18, HF21, HW14, HSM19, HSK17, HKB24, HTG14, HGT15b, HBF+16, HBB17, HFL+23, HS15, HIA+17, HdHTJ22, HKHP23, HHO+21, HFW+22, HCKW23, HCY21a, HAS21, HCY21b, HZBW23,
HGT15c, HZF17, HBCC22, HQTX23, HMK18, IY16, IK23, ISZA15, IBN+18, IISN21, JP14, JFG+17, JT14, JBWZ24, JYC+24, JyWG15, KGP14, KAA+24, KLM17, KVMV+24, KNBC19, KHK17, KDY18, KPH15, KAA+24, KL18, KISZ15, IBW18, WC18a, W19, WCY19, WZW19, WPY+21, WCC+21, WYY22, WDW+23, WTY+23, WLT24, WLG+24, WYY24, WSM19, WCL14, WHLG14, WLL15b, WK16, WRKG17, WZ21, WCL+21a, XH23, XNG+14, XNFR15, XHR11, XW18, XCZ+23, XLL+19, XLZ+23, XZW15, XZB+24, XD15, XO16, XWH+17, XYY+14, XAH+14, XM21, YK14, YZL+18, YLPL19, YCM+21, YC22, YK21a, YWT23, YLY15, YH+17, YHO+18, YH21, YH17, YMM19, YXJ19, YHC+20, ZP15, ZCF14, ZSB17, ZWCT15, ZFC+23, ZKA15, ZW16a, ZW17, ZHH18, ZHH18, ZK18, ZGL+20, ZLZ21, ZL21a, ZZ22, ZSC+23b, ZQZ+23, ZGO19, ZZX+21, ZGZ23, ZZZ+23, ZZ19, ZH15, ZID+15, ZJL21, ZLC+24]. Based [MBD18, MK15a, MLD15, MUK22, MP20, MLC+23, M18, MTZ+21, MC17, MPC+24, MK16, MVN22, NYS17, NKS21, NXX+17, NW24, NLL+18, NNL15, NCB23, NV14, NDS+23, NAK+17, ODNA23, OH16, OCS21, OOK17, OVN+22, OY+14, OD17, ODG16, ODSM16, OWW+23, PS19, PBC18, PAPC19, P19, PL19, PC16b, PLQZ23, PT14, PM15, PZP19, PSH+17, PBQ15, QDSL19, QYT23, QT216, QLY+17, R14, RDP14, RSR+19, RPK23, RH18, RA23, RG18, RM14, RWL+23, ROL+15, SML+24, SV17, SSFP18, SS16, SAC17, SD17, STT+19, SSDC15, SS21, SNTD19, SWH+17, SHKB17, SHG17a, SK14, SMVW14, SHCV23, SH16b, SAS17, SLC+15, SSSL21, SGL+21, SLS23, SGL+23, SZZ22, SMB+19, SKL17, SSK17, SCW21, SW16, SKDN14, SBP+24, SWC20, SHZ+23]. Based [SYG+24, SKT21, SMvdP22, T0K21, TOS14, TM14, TM16, TQY16, TMM18, TZW21, TW21, TZZ+21, TH18, TON+22, TTH14, TLW+17, TQM+23, TKT17, TDL19, UKS19, VML14, WFN+18, WS14, WYY+15, WYLZ16, WDS16, WDL+16, WDD17, WY17, WB18, WC18a, W19, WCY19, WZW19, WPY+21, WCC+21, WYY22, WDW+23, WTY+23, WLT24, WLG+24, WYY24, WSM19, WCL14, WHLG14, WLL15b, WK16, WRKG17, WZ21, WCL+21a, XH23, XNG+14, XNFR15, XHR11, XW18, XCZ+23, XLL+19, XLZ+23, XZW15, XZB+24, XD15, XO16, XWH+17, XYY+14, XAH+14, XM21, YK14, YZL+18, YLPL19, YCM+21, YC22, YK21a, YWT23, YLY15, YH+17, YHO+18, YH21, YH17, YMM19, YXJ19, YHC+20, ZP15, ZCF14, ZSB17, ZWCT15, ZFC+23, ZKA15, ZW16a, ZW17, ZHH18, ZHH18, ZK18, ZGL+20, ZLZ21, ZL21a, ZZ22, ZSC+23b, ZQZ+23, ZGO19, ZZX+21, ZGZ23, ZZZ+23a, ZWS+23, ZZ19, ZH15, ZID+15, ZJL21, ZLC+24]. Based [ZCQ+19, ZLSC23, ZB14, ZXX+21, ZS16, dSC16, LMO16, Ano16-50, Ano16-51, TMH+14, MYNO23, RG21, SSS18, ZM21]. Bases [BK24b]. Basis [KHT18, PSL17, VDC+17]. Bass [AS17a, MGT15]. Bayes [CY15]. Bayesian [AV16, BIK+18, B122, CNFG23, CH18, CS19, CY16, Ch18b, DBL20, ET18, HAGS16, HXL+21, IN+18, LG19, LHD16, LGH19, MIYO14, IOS14, OY+14, SEM+14, SC16, VML16, WAS14, WSH15, XLL21, YSCZ15, ZDC14, ZM23]. Beam [Son21]. Beamformed [LWZ+14]. Beamformer [AVM19, ABKP19, CBHC21, CMM+23, GMD21, HDG16, HIA+17, JTH14, JSR16, KSH18, LYN14, PCB14, SNTD19, SGH17, ZH14, ZCHH18, ZZ22, ZEM18]. Beamformer-Based [SNTD19]. Beamformers [BC17, BC18, BCB15, DMVP16, HMDG15, IBC21, LHC+23, Non14, YOM21, YBHC21, ZDD21, ZHP21]. Beamforming [ABB+23, AR16, ATP15, BCB15, BABC19, CP21, CBC19, CT14,
[LYY24, SFK15, WCZR23, ZH19].

Bone-Conducted [LYY24].
Bone-Conduction [SKF15]. Boosting
[GWCT23, ZW16a, ZCW+24]. Bootstrap
[CW18]. Both [EMTF18, LSL24].

Bottleneck [CCC'24, DMSM21, JMD'+17,
LNKL22, STT'+19, WK16]. Bound
[CCC21, SGH17b, WCY19]. Boundaries
[ZZZ23]. Boundary
[BHBS16, SSTS18, YTF+23]. Bounded
[RLPK15]. Bounds [TC22]. Box [TZL+23].

BPTT [CH16]. Branch
[CC21, SYG+24, TYZ+22, ZZX+23b].
Branching [WTQ'+19]. Break [DM16].
Bridge [ACK21, MSS17]. Bridging
[LLZ+21c, WTW20]. Broad [LCY+23].

Broadband [BC17, BC18, BCB15, CT14,
MZA20, Non14, RMBK14]. Broadcast
[CLC+15, DHD+19, PACPF+23, PBQ15,
WHB+21, XO16]. BSS
[CY15, OG14, YK21a]. Build
[ARSLN16, PCB16b]. Building
[DOL+23, LGL+24, PM23, Zhe23]. BYOL
[NT'O+23].

C50 [PSL+16]. Cabin [AC24]. Calculation
[MV14]. Calibration [Bor23, Cum21, CS23,
FNM'+19, HCY21a, HCY21b, KH16, KH21,
MR20, TIM18, WCY19, WSG21]. Calls
[AMK'+20]. Can
[CHL+24, Ano15z, Ano15-27]. Canceler
[YEY17, ZGL+23]. Cancelers [Emu18].
Cancellation [AA17, AR16, BVW17,
BVWM18, CS19, CASR'+14, DSK+19,
DDMvW20a, DLMM'+18, FWM'+14a,
FWM+14b, GCvWM14, GYDL+21, HBB24,
JK21, LV22, LP22, MV14, MK21, PC19,
RvW22m, SNTD19, SK16a, SLGA15, SP15,
ZZH16, ZLLZ23, ZYG+14, ZGZ23].
Canceller [ABvM19, PPSG17]. Cancer
[AFG'+23]. Candidate
[CWH+16, LJZ22, ZH21]. Capabilities
[CDA'+14]. Capacity [XNRG15]. Capsule
[LFM'+23, WCL+21b, ZWHD23]. Caption
[ZYD+23]. Captioning
[XXWY24, ZYD+23]. Capture [HJZB23].
Car [AC24]. Care [KAA'+24]. CASA
[BA19, LW19]. CASA-Based [BA19].
Cascade [WW22, ZWW23a]. Cascaded
[GHAP17, HGPAB15, LSG'+23b, NR14b].
Cascading [sLGlLaC15]. Case [BC17,
GSA18, LP22, MBDV23, PKR'+24, WC16a].
Case-Enhanced [LP22]. Cases [GHS'+21].
Casting [OR16a]. Categories
[Ano16k, Ano16l]. Causal [GS21, MYK'+24,
WZZ+24, Wid18, Wid19, ZLC'+24].
CausalABSC [ZLC'+24]. Causality [KJ21].
Causality-Constrained [KJ21]. Cause
[ADLX23, CJC+21, FYG+21, HZL23,
SCCM23, SHZ+23]. CCI [GH23b].
CCI-MOBILE [GH23b]. CEGM
[CDLL21]. Cellular [CZ17]. Center
[AMK'+20, Ano16-48, Ano16-49]. Centered
[AS17a]. Centric [ICB24]. Cepstral
[DP16, EMTF17, EMTF18, JT15, KHTL18,
KS16, SK18]. Cepstrum [IO17, YHO+18].

CET2 [XZFN23]. CFDRN [LWYD23].
CGMM [ZSC'+23b]. CGMM-Based
[ZSC'+23b]. Challenge [EGMN16, KSG'+21,
KGG'+21, MDE'+19, YCC'+24, MHB'+18].
Challenges [SYKL21, TD16, XXWY24].
Change [BC18]. Change-Constrained
[BC18]. Change
[ALH+21, PCB16b, SHJT21, YUK21].
Changes [MASC23]. Channel
[AM18b, BXY14, BV23, CBN'+24, CDLX18,
CS19, CH23, DSV'+19, DB18, DBN'+17,
DDTL16, FD21, GDC19, GRSP17,
JvWGD15, KD16, KG14, LG19,
LC15, LDG+23, MXH21, MLMT24, MHD15,
MGHD15, MF17, MR20, MK15b, MK15c,
MBK17, PSL'+16, PZP19, PT21, QCL23,
SGL'+15, SLOVB15, SKAK16, TZA14,
TG23, TG24, WFN+18, WWD14, WDDL17,
WLT24, WYS15, XGKM19, XZH+24,
YCC+22, YND14, YZW+21, ZTB19,
ZY+21, ZWZ+21, ZLLZ23, ZTDD23b,
ZZY+24, ZPP15]. Channel-Aware
Codebook [GXW+23, HBB17, HCZC24, VML14, WSM19]. Codebook-Based [HBB17, VML14, WSM19]. Codec [LHM21, ZLO+22]. Coded [ZXF23, ZLF19].

Coder [SKH+15a, SKH+15b]. Codes [XAHJ+14]. Coding [AHH+19, BF18, CLAG16, CDW16, GHF23b, HPPM24, JSYW16, JG19, JPF+23, KM21, MK16, PZW+21, SKH+15a, SKM19, ZSL+22].

Coefficient [ZZX+21]. Coefficients [AS17b, DP16, GI15, ISZA15, KS16, KBG16b, ZGL+23].

Coefficient-Switched [ZGL+23].


Coherence [BBM17, FSA20, MHD15, MD18, RJW19, SGH16, XZW+15]. Coherent [JC17, MLP+24, SK15, XZF23, ZYW+24, ZCHW24].

Coherence-to-Diuse [SK15].


Collisions [PBA+23]. Collusion [ZXX+21].

Colored [SK18]. Colorful [ZYUZ+22].

Colouration [WWH+18]. Comb [RJW19].

Combination [CPCBFSF16, CJ15, FdDARF16, IYJ16, MMTT24, YM21].


Combining [CMY16, CLL+21b, KSK+15, LCC+15, MGB18, RDP14, SKM17, SY15, WJ15a, WW19, YK17]. Command [PCG17]. Commands [VSL21]. Comments [CE14, LLCS24]. Common [GSP23, PP19, SD16b, SD16a].


Comparing [Abd18, TM21]. Comparison [AJB+18, AHF21, BKS+18, KBV16, ON+22, WDD+16, vHK14]. Comparisons [RGK24]. Compensated [FPTJ18].

Compensation [BBQO+17, BBHAR24, DV23, DBP+24, DH14, HSK17, LC16b, MGF18, MF21, MJ+14, Nos16, TZA14, WVL14].


Complex [Emu18, FLL+23, GTSM24, HLL15, HIA+17, HKI23, HHC16, KGB16b, LK19, LLZ+21a, MV19, MF18, NTY19, TW20, WWW21, WXW+24, WWW16, WW17, ZMC+24, ZLZ+24].

Complex-Domain [HKI23].

Complex-Valued [Emu18, HHC16, TK19, NTY19].

Complexity [CBA+15, DDZS17, FWM+14a, FWM+14b, FMD14, HL14, LZZP22, NWM16, SDF18, SLC+15, SLW15, VHI19, WW15].

Component [BV23, CWYC17, GJYW23, IY16, ZGL+20]. Components [CB14]. Composers [TP22].

Composers-Performers [TP22]. Composite [LLW23].

Composition [CLAG16, MFG15]. Compositional [ZM17].

Compositionality [DXX+16].

Comprehension [LW+19, LYCX22, MSW+22, MZZ23, ZZL+19, ZLZ21, ZZZ22a, ZZZZ22b, ZZD23, ZZZL22]. Comprehensive [KPA+24].

Compressed [KMM+18, LWL+21, LWLS24, MCD14].

Compression [CZG+15, HPPM24, HDW+23, KG+16, LYH+22, MF17, NR14b, TW21, WLT+18]. Compressive [WLL+16, WZS14].
Computation
[AB21, FB18, LPI²1, LLL24].
Computational [SSKP16, SMO²1].
Computationally [KAJC16, MDM15].
Computer [MFG15, QMS16, hShWsL15, WsL15].
Computer-Aided [MFG15, QMS16, hShWsL15].
Computer-Assisted [WsL15].
Concatenative [ZLD21].
Concealment [LC16a].
Concentric [HCB18, PC24, SCB21, ZHCB21].
Concept [AFG²3, ZCHW24].
Concertos [OM24].
Concurrent [MASC23, SCEH19].
Condition [Bor23, XT23].
Condition-Aware [Bor23].
Conditional [LZAY23, May18, RLPK15, TL19, WLT24, YLL15].
Conditioned [BSW²4, DVO²3, DYY²3, SHG21].
Conditioning [NNC21].
Conditions [BHBS16, CW18, DW17, GLQ21, KK23, RKN14, SLGZ15, ZWW14, ZWW15].
Conducted [HJZB23, LYY24, WCZR23].
Conduction [SFK15].
Conjugate [SLZ²1, SBP²4, XCZ².3].
Connectionist [OOK17, WJ23].
Connectives [MHPB15].
Conquer [LW19].
Considering [HSWC21, WYY24, WZS14].
Consistency [CCH²1, HCC²3, LZ16, LMW²4].
Consistent [JT15, KWZ24].
Consolidated [GVMGO17].
Consonant [MLC²3].
Consonant-Vowel [MLC²3].
Constant [PC24].
Consequence [LZZP22, ZDC14].
Constrained [AHH²1, AHH²0, ABKP19, BC18, CXvG²3, FD21, GQXZ19, KJ21, KSHH18, LFQL19, MHGD15, RMBK14, SGL²1, SGLS23, SZW23, Wid19, YSCZ15, YH17, ZW19, ZDD21].
Constraint [BV17, HCBY18, LHL²3b, LWYC23].
Contributions

[AKUS23, AA17, ATR+21, AC24, AFdDG23, AKN+16, BS14, BB18, CC14a, CE14, CD17, CDA+14, FdDG21, GdC14, HK24, KCD20, KBI+21, LYWX22, LLZ+23a, LLY+23, LFdDG14, LSGH24, MX17, MZA20, MMS+20, MMZ23, MNFGO19, SGL+21, SGLS23, SGL+23, SLW15, SKM19, TM16, TNS+18, VHI9, VE24, XCZ+23, YEY17, YPL21, ZAZ+18, ZHB+18, ZTQB19, ZZZ+21, ZQZ+23, ZPW23, ZLX+24, ZLSC23]. **Controllable**

[BRC24, DY22, HCC+23, LNNL22, MOT+23, TKT17, WFy+22, YWT23].

**Controlled** [HWT+17, KGH+16, LCWC16, MJ18, VR19, YZW+18, CHC+14].

Controller [VE24]. Controllers [BSB14].

Controlling [SCB21]. Controls [KKJK23, PCW15]. Conv [LM19].

Conv-TasNet [LM19]. Conventional [Zhe23]. Convergence [YEY17].

Conversation

[JMD+17, WWL14, YZW+18].

Conversational [ESVK17, LLT21b, MSFK15, SWC20, WTHJ14, WXS24, XDH+17, XWS+21, YB14]. Conversations

[ADLX23, HPB15, HSWC21, LWW24, PMB+20, SFE23, SW16, XZFN23, YLG22, YB14]. Conversion

[ATA16, CCL31, DZL20, DLT+21, DTX+14, HSM19, HHW+21, JRA17, KKTH19, LNNL22, Llb21, LCC+21, LCTA19, LLL+23, MZC+24, NTA15, NMI16, PS17, PM15, SHCV23, SZL19, SYKL21, TLW+17, WWX+23, VCW14, XT23, XC2+23, ZLL+19, ZLD20, ZZZL21, ZKDS18, ZGO19, ZWT23]. Converting

[ACRS14, ZDG021]. Convex

[JHLT15, KHHJ19a, MKK21, PC21].

Convolution [GZG23, MXH21, MZZ21a, WFR+21, WHO+21, WHT+21, XLC+23].

Convolutional

[AHMJ+14, AdTJ18, CC21, CP21, CDW16, DGM21, FWT+18, GL24, GSTM24, GAPG19, JCM23, JSY16, JG19, KH24, KEzW21, LCC22, LdWWS21, LHZ+24, MPC+24, MZL21b, NIK+22, OCS21, OGZ18, PHM+17, QBTY16, QCN+21, SP16, SGLS23, TQH+18, TW20, VDH24, WPY+21, YHL+23, ZKH18, ZPD19, ZW2+21, ZYY+24, ZLF19, rPH+17].

Convolutions [TCW19]. Convolutive

[BP14, CY15, FK19, KBGAP+16, LGGH18, LGGH19b, MD16, SOF15, WWL21, WYY22].
Convolved [SDDCC15]. Cooperative
[HKM’24, ZCDS15]. Coprime [MLP’24].
Copy [AGB’24, GBL24]. CorefDPR
[YLG22]. Coreference [YLGG22].
Corpora [LFU’17, ZB14]. Corpus
[CWH’16, CMY’21, LLWC’21, MMBT’21,
PW’22, WCRZ’23, ZS’20]. Corpus-Aware
[CMY’21]. Corrected [APWB23].
Correction [AAA19, BHAMR19,
FWM’14a, KDJJ17, ZWHD23, ZLJ22].
Corrections [SPM17a]. Correlated
[PSL+16]. Correlates [HHZ+21].
Correlation [ATP16, CTE21, PLL’23,
MC17, PACPJF’23, SAC17, WD16, PT14].
Correlation-Based [PACPJF’23].
Correlations [Lin18, SM14]. Correlator
[AM20]. Corentropy [ZGGZ23].
Correspondence [GHS+21]. Corrupted
[DBN+17]. Corruption [MIR+21].
Cortical [SKM17]. Cosine [SKSD14]. Cost
[CPSFC+14, DCW’21, KSHH18, SSKP16,
SLK17, ZN14]. Counterfactual [WZZ+24].
Counterfactually [SHJY21].
Countermeasures [WDD’16, ZWC+23].
Counting
[CH23, NK22, WHRC16, YLPL19].
CountNet [SCEF19]. Coupled
[AZK15, AGD’22, BVGV15, LCZ+17].
Coupled-HMM-Based [AZK15].
Coupling [SDS23, LSTK21]. Course
[yLSY+14]. Covariance [CONVVC18, EJ16,
MUT’20, MXNB19, NV14, PC19, SIKN23,
YLH23, ZF14, ZDLK18]. 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, Ano18-33, Ano18-34,
Ano18-35, Ano18-36, Ano18-37, Ano18-38,
Ano18-39, Ano18-40, Ano18-41, Ano18-42,
FKD15, HC19, 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]. COVID [ZTM+23].
COVID-19 [ZTM+23]. Crâmer
[SGH17b, WCY19]. CRBs [LLGG20, LG20].
Creation [DHYG14]. CRF [WL19]. Cries
[SK16b]. Criteria
[JBTL15, WJ15b, vNK+23]. Criterion
[HXWS15, SH19, WSH15]. Cross
[AF23, ASC’18, BYT’21a, BWZC22,
CDLL21, CHWL14, Chi18a, CTE21,
CLHK21, DAFS15, DKDN20, FL19,
FLC’23, GDC19, GHAP17, GHJ’23,
HZW’22, JHLK18, JBWZ24, LCM18,
LYZ21, LWX’22, LHC’23, LSZ23, LLC’24,
LLWQ24, LIX’16, Lin18, LFL’23, LYCX22,
LGR14, PW22, PT14, PM15, QWW’23,
SV18, SDK17, SPM17a, SPM17b, SLWY20,
TXH’23, WJ23, WQ24b, XLZ’23, XHS’18,
Ys15, ZFC’23, ZZZ16, ZS20, ZSC’23a,
ZQZ’23, ZSS’23, ZWX15, ZTL21,
ZWTL23, ZLL’24a, ZCW’24, ZLL’24b].
Cross-Attention [QWW’23, XLS’23].
Cross-Channel [GDC19]. Cross-Corpus
[PW22, ZS20]. Cross-correlation [PT14].
Cross-Dialect [SCHI18a]. Cross-Domain
[JWZ24, LSZ23, LYCX22, SLWY20,
XHS’18, ZFC’23, ZCW’24].
Cross-Entropy [BWZC22, SV18, WJ23].
Cross-Entropy-Guided [CDLL21].
Cross-Language
[HJLKH18, YsLS15, ZZZ16, ZWX15].
Cross-Lingual
[ASC’18, CHWL14, DKDN20, FL19,
FLC’23, GHJ’23, HZW’22, LYZ21,
LHC’23, LLC’24, LIX’16, LFL’23,
LGR14, PM15, SDK17, TXH’23, WQ24b,
ZTL21, ZWTL23, ZLL’24b]. Cross-Modal
[AF23, BYT’21a, LLWQ24, ZSC’23a,
ZLL’24a]. Cross-Modality [CLHK21].
Cross-Recording [LCLM18]. Cross-Show
[DAFS15]. Cross-Speaker
[GHAP17, LWX+22, ZQZ+23, ZLL+24b].
Cross-Spectra [SPM17a, SPM17b].
Cross-Utterance [ZSZ+23]. Crosslingual
[SV17, YGS19]. Crossstalk
[KJY21, MV14, MKM21]. Crowdsourced
[LB19, MMM23]. Crowdsourcing [GMH17].
CSS [SHL+21]. CSS-LM [SHL+21]. CTC
[DLX+19, FCCA23, YKL+23, ZM21].
CTC-Based [ZM21]. CTNet [LLT21b].
Cube [WBC+21]. Cue [HMDG15, MHGD15, SBVM16, TE23, XCHX24].
Cue-Preserving [TE23]. Cued [LLL24].
Cues [ABKP19, May18]. CUHK [LGH+21].
Cumulative [CPSFC+14].
Cumulative-Sum-Based [CPSFC+14].
CUPVC [LWYC23]. Current [SLGA15].
Curriculum [BWZC22, CZZC23, GHJ+23, LB19, RH18, ZMX+21, ZWL+23a].
Curriculum-Style [GHJ+23]. Curve
[MTBB15]. Custom [ISZA15]. Customer
[AMK+20, MSW+22]. Customized
[LY+23]. Cylindrical
[KFH+14, MFH21, PBM+19].

D-CNN [MASC23]. D-Score [ZLHL21].
Damped [HCY21b]. Dance [GKC16].
Data [ARSLN16, AGV24, AGB+24, AM18a, BYT+21b, BZ15, CBG15, CMY16, CGK15, DCZ19, DDZS17, DWX+21, DZ23, FMB16, GCG+17, HRL+21, HS19, HMO21, JQ124, JW+22, JGD+24, KXS+19, LGTG18, LAK16, LMW+24, LGL+22, LFWZ23, MSD14, NSNN20, PJTJ24, QZ22, QCL23, RG21, SDK17, SSAS21, WDV+23, WQ24b, WK24b, XYH14, XY+23, YLFL22, ZZZ121, ZZZ+24]. Data-Association
[AM18a]. Data-Driven
[DDZS17, DWX+21, LGTG18, PJWTJ24].
Data-Efficient [SSAS21]. Data-to-Text
[AGB+24]. Database
[KG19, SLH17, WDD+16, ZWC+23].
Dataset [FFP+22, LWY+23, LLC+23b].
Datstore [DZD+24]. DBSA [ZZX+23b].
DBSA-Net [ZZX+23b]. DCASE
[MHP+18, MDE+19, PMA+21, SMA+17].
DCT [SB18, XH23]. De-synchronization
[XNG+14]. Deal [KMA18]. Dealing
[WZMH22]. Debiasing [WZZ+24, ZLC+24].
Decay [BY15, SH14b]. Decaying [BV17].
Decentralized [CZK+21, ZTQB19].
Decide [LCL+21]. Decimation [HKHP23].
Decision [SHAGPRZ17, SWC20, ZZZX].
Declipping [GAKGB21]. Decoder
[CHQ24, DOL+23, HFW+22, JSG+22, LKC+21, LPM+23, LWCL19, TZZ+21].
Decoding [ACRS14, CXV+23, GLQ21, KKL17, MHB15, MF17, WL19, ZWY19].
Decomposed [ZYW+24]. Decomposition
[ADM+19, BIK+18, BG21, CS23, DGCA23, HWW+3a, JP14, KD18, LWY+23, MMS+20, MK15b, NK21, NEN21, PBC18, PSL17, SBP+24, TZA14, TZZ+2a, WCY15, WCC+21].
Decomposition-Based
[BD18, SBP+24]. Decompositions
[WBC+21]. Deconvolution [DVLH17].
Decorrelation [SFV23, ZHZ16].
Decoupled [HZF17]. Decoupling
[CBC15, DCYY22, LL+23, SGY+24].
Deep
[AFG+23, AF18, BHP+23, BS17, CLA+21, CLAG16, CDL19, CLLD14, CRVB+15, CM15, CH16, CCT+19, CLL+21b, CTT17, CGK15, CG16, DAV+18, DQY18, DTDL16, FLMS16, GN23, GTV19, GTSM24, GH17, GvD+23, GSP17, GJ17, GLQ21, HMDG15, LLT21b, LGVD23, LG19, LK19, LM23b, LM23b, LW19, LR17, LDZ19, LCM18, LSGH24, MM17, MGB18, MLC+23, MZX+15, MZM15, MTZ+21, MMR+22, MPC+24, MKA16, NW15, NR22, NW15, PLX24, QZ21, QCL23, QQ12, QB13, QQ22, QQ12, QQ22, QQ12, QQ22, QQ12, QQ22, QQ12, QQ22, QQ12, QQ22, QQ12, QQ22, QQ12, QQ22, QQ12, QQ12, QQ22, QQ12, QQ12]
[HNT$^+$23, MMT$^+$19]. Deficient
[LLGG20, Yan22]. Deficient-Length
[Yan22]. Defined
[MTBB15]. Deformable
[KH24, MYL$^+$21]. Deformed
[SLOVB15]. Degraded
[AY17]. Delay
[APH14, AM16, AGD$^+$22, BRD15, BQGO$^+$17, CB21, CRH$^+$14, DV14b, DSD23, DHCS15, FB18, FB19, HL14, HXL$^+$21, HXG$^+$23, LMV21, SH17a, SFV23, SKH$^+$15a, SKH$^+$15b, ZH14]. Delay-Free
[DV14b, FB18, FB19]. Delay-Lines
[HL14]. Delayed
[FK24]. Delayless
[CD17, KKJN17, LSGH14, PPSP17]. Delta
[WSH15]. Delta-Bayesian
[WSH15]. Demixing
[FLB16]. Demodulation
[AS15, VS14]. Denoised
[JMD$^+$17, TMMZ18]. Denoising
[VB17, Bay15, DZWC20, DB19, GJ17, HWW15, MDCS20, QL24, VRN18, WW17, ZLJ22, ZZX$^+$23a]. Dense
[PW21]. Density
[BKS$^+$18, COH18, KD18, NCB23, SH17a, WGD15]. Dependence
[CZY$^+$18, TKH21, WK24b, YZL$^+$18, ZLJ$^+$17]. Dependencies
[BLZ21]. Dependency
[CZZ15, GHJ$^+$23, JLDZ24, LZC$^+$14, LZZP22, LSG$^+$23a, LLWJ16, LLL$^+$19, ODSM16, SKK14, WZZ$^+$18, WZ21, ZCY$^+$22]. Dependency-to-Dependency [WZZ$^+$18]. Dependent
[BSR17, BSTM24, CDW16, CS23, DSD23, DMVP16, DDZL19, DSH18, KKJN17, KD17, LM23a, MASC23, MMR$^+$22, NTY19, STT$^+$19, SAK16, SAK16, WS14, WHLG14, WHO$^+$21, WHT$^+$21, ZSB17]. Depth
[LCQ23]. Depth-First
[LCQ23]. Dereverberation
[ADM$^+$19, BV17, BH18, DST$^+$19, DDmW20a, DB19, FC23, HWW$^+$15, HBCC22, ISP19, JvWGD15, KD16, KH24, LRWG23, LGGH18, LGGH19a, LGW$^+$23, LLW23, LZHN14, LldCF23, MIYO14, May18, MD16, OIY$^+$14, PDKG24, QL24, RKL14, RWL$^+$23, SF18, SIKN23, SEM$^+$14, SGH15b, SGH15a, SGH16, SGH17b, SK15, TK14, UNI$^+$24, WLL21, WYY24, WW17, XBJ$^+$24, YG24, YK14, YC22]. Derived
[LRG21, MVH16, SL14]. Descending
[BTBT18]. Descent
[QYCT23]. Description
[RCL18]. Descriptions
[WQZ$^+$21, WvdHZ$^+$21]. Descriptor
[FMD14]. Design
[BC17, BC18, BS14, BBHAR24, BBJ18, BCB18, C17, CMM$^+$23, CFMC14, CT14, DV23, HL14, HBC17, HCB20, IBC21, JEP14, JK15, KJ21, LYN14, LHH$^+$23, Non14, PBC16, PCBS19, Son21, WW15, ZBC14, ZHCB21, ZHCB23, ZSL$^+$22]. Desired
[YG24]. Desynchronization
[ZZX$^+$21, ZZX$^+$23a]. Detect
[CWZ$^+$23, KTH$^+$20, SK16b, XZXS23]. Detecting
[BHH22, KAA$^+$24, KB14, LLZ$^+$21b]. Detection
[AC24, ALH$^+$21, AAA19, BE17, BJ24, BPYG23, CE15, CC21, CC14b, CTLL17, CL18a, DH20, DQY18, DWY21, DWX$^+$21, DTC15, DTC16, DTC17, DKDN20, DSH18, FZZ$^+$15, GMD24, GG18, GAPPG19, GJ22, GPF17, GdC14, HWT$^+$17, HHZ$^+$21, HFL$^+$23, HXWS15, JGM23,
JLP+21, JWBR21, JYC+24, JGK+22, KSH17, KKY14, KPH15, KSU+19, KMG17, KXS+19, KHE21, KKGH16, KM23, LLR+16, LSW18, LCSL19, LWW+21, LPL+21, LJWC23, LWS+23, LHL+22b, LLZ+23c, MAP14, MLMT24, MSB18, McL14, MCZ21, MHB+18, MDE+19, MAT15, MKMMD17, NSA21, PMMM15, PMA+21, PLT+18, QMS16, QCMD17, MG18, RAB18, RA23, RPL+23, STH+18, SHJT21, SGA15, SH17b, SLK17, SM18, TH18, TM21, TSKO20, VAP19, WAS14, WL15, WDL17, WSL+20, WZW+23, WBSG18, WSL20, WWG23, WDW23, WK24a, WSH15, WSG21, XYY+23, XLL+23, YBC+14, YDZ19, YWDDQ21, YB14, YLY15, YH21, YUK21, ZW16a.

Detection [ZWW23a, ZXZZ23, ZWC+23, ZLJB23, ZH15, ZTM+23, ZB14, rPH+17].

Detection-Estimation [SM18]. Detector [AFG+23]. Detectors [DLL+21].

Determinantal [XO16]. Determination [ZKA15]. Determine [BM15]. Determined [KOS+16, LKM23, MMT+19, MTK+20, OG14, WRC16, WC18b, YK21a].

Deterministic [WFY+22, WC16a].

DetTrans [XZSX23]. Development [MTS+19]. Developmental [BHH22].

Device [HWRC15, MHD+17, TYZ+22, XYY+23].

Devices [HdHTJ22, LV22, TALP24, ZL21a].

DFT [LSNC21, SH19, YEY17].

DFT-Domain [LSNC21, SH19, YEY17].

DiCLET [LHC+23]. DiCLET-TTS [LHC+23].

Dictionaries [BVGV15, BK24b, CWDA17, LKPR18].

Dictionary [BXY14, DCAS22, DVLH17, GFG+14, LL23a, RBR16, VRN18, WED17].

Dictionary-Free [LL23a].

Difformorphic [SHCV23]. Difference [BS14, CvdPHH21, CSY+21, CC14b, GXY23, LHW+21, MPKS+23, PS19, PZW+21, SyWRK15, TWIN23, dCBC23].

Differences [CONVVC18, CTSC14, IC19, MYNO23].

Different [GLQ21, QCL23].

Differentiable [MS23, SFRK+23, SR16b].

Differential [ABB+23, BBAS19, BCB18, CCT21, CMM+23, CBC19, HCB20, IBC21, JHW+21, JBC23, PCB15, PCBS19, TC19, TC22, WC16a, YBHC21, ZBC14, ZBC21, ZHCB23].

Diffraction [KE23].

Diffound [YYW+23].

Diffuse [SK15].

Diffuseness [EJ16].

Diffusion [CZM+24, DTC15, LRWG23, LLZ+23a, LHC+23, RWL+23, YYW+23].

Diffusion-Based [LRWG23, RWL+23].

Digit [SAK16].

Digit [ANO15-28, ANO15-29, BBFS21, GdBB21, GDM18, LC16a, MSS17, PPSG17, PCLP14, SAA15, SRH15, SMH14, VE24].

Dilated [TCW19, WHO+21, WHT+21, ZWZ+21].

Dimension [LFZ23, MJ+14].

Dimension
[AG17, ADGE19, DCZ19, KBV17, SMB18, UKS19, WCY19, WYLZ20, XDC+17, ZA14].

**DINO** [HCQ24].  **DIP** [DSH18].

**DIP-Based** [DSH18].  **Diphthong** [AG17, ADGE19].

**Diphthonic** [AHSS+18, AP21].  **Direct** [AL23, CASZ17, DGC+18, GCG+17, JD17, LGHG17, MTR+21, NR14a, RCJW17, SAC17, SLK17, YLL21, ZM20].

**Direct-Path** [LGHG17, NR14a, YLL21].

**Direct-to-Reverberant** [CASZ17, SAC17, ZM20].

**Directed** [ZLZ+24].  **Direction** [BKTR24, DGMB23, ED18, GWLL22, HMN17, HMO21, HAS21, KK14, NV14, PCB16b, SLC+15, TP15, TTH14, TR15].

**Direction-of-Arrival** [BKTR24, HMO21, KK14, SLC+15, TTH14].

**Directional** [BH19, HPPM24, KSK+15, PAB19, TS14, WLT24].

**Directions** [ES16].

**Directive** [WCCB19].  **Directivity** [AVG24, AB21, LJJ+23, PBC16, RHvdP+16, WC16a].  **Directly** [TM21].

**Dirichlet** [Chih+15a, HKN18, KGG19, TP16].

**Disambiguating** [MHPB15].

**Discontinuity** [PSL17].  **Discontinuous** [LJL+23].  **Discourse** [BSL15, HNY+15, HW23, JQL24, MHPB15, MIR+21, MZL+21b, WYH+15, WSJ+23].

**Discovered** [Kam23].  **Discovery** [CL18a, KJG16, SHGD16, WSLe15, WZSN21, XO16].

**Discrepancy** [CLL+21b, LMC18].  **Discrete** [SKM19, YYW+23].

**Discriminant** [CPL14, LSA23, WCC+15, XAHJ+14, ZS20].

**Discriminating** [AY15].

**Discriminative** [BX14, HXWS15, LAK16, LSG+23b, LSTK21, TR14a, WHQY19, WJ15b, ZHS20, ZXXZ23].

**Discriminatively** [HSPK18, ZF14].

**Discriminator** [CLL+21b].  **Disease** [AATKS21, LRP+23, NSA21, NRCR14, RA23].

**Disentangled** [AJK24, HC+23, LZAY23, WPG+23, ZLD20, ZMZ24].

**Disentanglement** [BK24a, CHGS23, LCW24, TALP24, ZQZ+23].

**Disentangling** [ASX22, LWX+22, QLW+24].

**Disfluencies** [KHE21].  **Disorder** [LLL19].

**Disorders** [AGF+23, NRCR14].  **Dissonance** [MBTB14].

**Distance** [AB21, CBC15, GSA18, KHTL18, KGBPM24, SKSD+14, YXX+22, ZM20].

**Distance-Based** [SKSD14].  **Distant** [MLMT24, MH16, NHK16, WHRC16].

**Distantly** [MLMT24, MH16, NHK16, WHRC16].
DNN-Driven [LMC17]. DNN-Extracted [WSY14]. DNN-Supported [EMTF18].
DNNs [SNK21, SMA+17]. Do [GSA18, WK24a]. DOA [AM18a, BSTM21, CH18, CH21, FSA20, HNF20, HZF17, JTHN14, JCBJ15, JWBR21, KAJC16, LJWC23, MLP+24, RKN14, VDH24, WCY19, WAJL15, WRK18, XBZ+24].
DOA-Based [WCY19]. Doctor [ZYZU22].
Document-Grounded [TDDN24].
Document-Level [ZZJ+23].
Document-to-Document [LLJ+23].
Document/Query [yLS14].
Documents [GMH17, MBD+15]. Does [YLC+24].
Domain-Insensitive [ZZJ+23].
Domain-Sensitive [MHZ+24].
Domain-Shift [NCC21]. Domains [RL14, YXX+22]. Dominance [NR14a].
Dominant [YZLY17]. Double [CTE21, FLY23, GCvWMJ14, ICB24, SWC20].
Double-Cross-Correlation [CTE21].
Double-Talk [ICB24].
Double-Talk-Robust [GCvWMJ14].
Doubly [BGD+18, TP16]. DP [CJ15].
DP-Based [CJ15]. DPGMM [WSZN21, WSZN22]. DPGMM-RNN [WSZN21, WSZN22]. Dramatic [MSEC21].
Drug [KAA+24]. Drum [DM16, LKPR18, WDS+18]. DSTC10 [TDDN24, YCC+24]. DSTC8 [JCYwH21, KGG+21]. DSTC9 [TDDN24].
Dual [CLZ+23, CZ17, CLZ+24, CC14b, JEP14, KK14, LC22, LKR23, LLZ+23c, LCTA19, PLQZ23, SYG+24, TZW24, WYL+23].
Dynamical [BLLP17].
Dynamics

Due [AFG+23, AGV24, TGGE21, ACB17].
DUMA [ZZZL22]. Duration [DW21, HWT+17, LNNL22, WHQ19].
Duration-Controlled [HWT+17]. During [RF19].
Dyadic [SW16]. Dynamic [AZK15, BGQ0+17, DBP+24, GZG23, GDM18, Kam23, KMM+18, KB14, KGH+16, KGG19, MAP14, MV14, NDS+23, TYZ+22, TP19, WLL15b, XSL+19, YLFL22, ZCYZ18].
Dynamical [BLLP17]. Dynamics
Dysarthric [JNP+21, PK15]. Dysphonic [ZLJB23].

E-Model [RCR+21]. Ear [BHAMR19, BHAMR21]. Ear-Aligned [BHAMR21]. Earbuds [LP22]. Early [DDBW23, DDMvW20b, SGH15b, XGKM19]. Early-To-Late [XGKM19].


EC [LP22]. EC-ANC [LP22]. Echo [CSAR+14, DDBW20, DDBW23, DLMM+18, Emu18, Emu20, GCwMJ14, GYDL+21, HBM24, HGT15c, ICB24, IWY+23, LB16, PC19, PC21, RwWM22, SH17a, SK16a, SLGA15, TK14, VH19, YEE17, ZH16, ZGL+23, ZLL+23, ZYG+14, ZGZ23, ZXN+21].


Embedding-Aware [ZTC23]. Embeddings [AGM23, BSW+24, DR22, KJG16, KMG21, LCZ+19, MUK22, NNC20, NNC21, PHM+17, SSI21, WZC22, WZ24, XV21, YMI17, YTF+23, YWLY18, YUK21, ZLZW21, ZLJ22, ZTL21, ZTC23].
OWW$^{+23}$, PS19, PW19, PW21, PW22, PW23, PZP19, QDSL19, RG18, RG21, RWL$^{+23}$, SBN$^{+19}$, SSSS22, SBM$^{+19}$, SM18, SLGZ15, SZVZ16, SYG$^{+24}$, SK18, TOS14, TM14, TD23, TCW19, TW20, TZW21.

Enhancement
[TW21, TJCB16, TG21, TG23, TE23, TP19, TWS16, TE16, VBY18, WFN$^{+18}$, WLL$^{+16}$, WB18, WDDL18, WTW20, WW22, WZG$^{+23}$, WWW23, WRDP17, WSM19, WZS14, XHRC24, XDDL15, XMBN18, XMBN21, YOM21, ZCF14, ZH14, ZWZ$^{+21}$, ZCDH21, ZTDD23a, ZQN$^{+23}$, ZWW19, ZZ19, ZAL24, ZZZD23].

Enhancer
[CHWQ24, TM16].

Enhancing
[CCC$^{+24}$, EZS14, HHC16, LSG$^{+23a}$, LMW$^{+24}$, LFM$^{+23}$, MCL22, XFH$^{+23}$].

Enjoyable
[MSFK15].

Enroll
[LWK$^{+22}$].

Enroll-Test
[LWK$^{+22}$].

Enrollment
[DVO$^{+23}$, LH14].

Ensemble
[AZGN14, GBF21, KWZ$^{+24}$, LM23b, LB16, SV18, TMH$^{+14}$, ZW16b].

Ensembling
[WDDL18].

Entire
[MYKO24].

Entity
[CxV$^{+23}$, CCC$^{+24}$, FCC$^{+23}$, FLY23, HSZ$^{+18}$, JLZD24, JWC21, QZLH21, VSK$^{+24}$, WZMH22, XHS$^{+18}$, YJX20, ZCHW24, ZWW$^{+23b}$, ZCY$^{+22}$, ZQF$^{+24}$].

Entity-Level
[YJX20].

Entity-Relation
[JLZD24].

Entropy
[BWZC22, CDLL21, MK16, NA$^{+17}$, SV18, WJ23, WLL15b].

Environment
[AC24, CWP$^{+22}$, CZN$^{+24}$, FSA18, FNA15, GWQ3, MM2B15, TMH$^{+14}$, WCK18].

Environmental
[SK17, SSKP16, TP23, TMKO17, XHH$^{+17}$, YND14].

Environments
[BHP$^{+23}$, DBK15, DDMvW20b, DPHG18, FSO17, FZZ$^{+15}$, GAM23, JLKK21, JBZ21, LSH14, MMB17, MGK17, NV21, SGH17a, SK16b, SWCN19, VMOL16, XCHX24, ZW17].

Epoch
[VP17, VAP19].

Epoch-Synchronous
[VAP19].

Equalization
[FDARF16, KD16, KD21, LGGH18, LM21, PMS$^{+19}$, PGS$^{+22}$, PT21, PAB19, RKL14].

Equalizer
[LC16b, RVB14, VR19].

Equivalent
[DCAS22].

Equivariance
[SNK21].

Ergodic
[TP16].

Erratum
[Ano19c].

Error
[CD19, DKDN20, GSVM14, HBC22, JH15, KTJ19, LCB$^{+23}$, OHN16, TNS$^{+18}$, WSL15, WK16, WTO$^{+19}$, YC22, ZLX$^{+24}$].

Error-Based
[HBC22, VC22].

Errors
[AAA19, CH18, MDBV23, NNS16, Non14, SSF122, ZW23].

ESPRIT
[HZF18, WAJL15].

ESPRIT-Type
[HZF18].

Essay
[MIR$^{+21}$].

Estimate
[Emu18, LHW$^{+21}$, SGL$^{+21}$, YHC$^{+20}$].

Estimated
[AVM19, BSW$^{+24}$, WCW$^{+21}$].

Estimates
[APH14, AM18a, JTH14, KG16, TTH14].

Estimating
[HHMK18, KPG14, OHN16, RGR$^{+22}$, SAC17, SBV17, SCEH19].

Estimation
[AF18, AM18a, AMK$^{+20}$, AB15, AM20, BBM17, BV23, BKTR24, BSTM21, Bor22, CATS20, CH18, CH15, CASZ17, CSY$^{+21}$, CS19, CTE21, CP21, CH21, CL14a, CL17a, DAR16, DDB20, DDB23, DGMB23, DDMvW20b, EGMN16, EMTF17, EMTF18, ES17, FSA18, FA20, FWM$^{+14a}$, FWM$^{+14b}$, FSEI21, GTS$^{+19}$, GWLL22, GKC16, GB14, GMD21, HCN17, HAGSZ16, HH219, HTG14, GT15a, HMO21, HNF20, HK123, HZBW23, HZF17, IYY16, JP14, JEV23, JGF$^{+17}$, JCB15, JH15, JLP$^{+21}$, JBZ21, JBT15, KAJC16, KK19a, KK14, KD18, KG16, KHJ19b, KGBP24, KGB16b, KDJ16, KDJ17, LLLG29, LG20, LWZG21, LH23, LMB23, LNC23, Lin19, LFU$^{+17}$, LSL24, MLP$^{+24}$, MPAEBLB15, MKA$^{+14}$, MD18, MMM23, MYNO23, MSRN14, MCS21, MAT15, MXNB19, MYC$^{+23}$, MR20, MK15b, MK15c, NJC16a,
NJC16b, PS17, PC21, PT14, PZP19.

**Estimation**

[PCLP14, RKN14, RG17, SIUW21, SM14, SD16b, SD16a, SH14b, SGH16, SK15, SLC+15, SKF15, SMO+21, SM18, SY15, SKH+15a, SLGZ15, SZVZ16, SLJ18, TD23, TH17, TP15, TE16, TP19, TG16, TR15, TV15, TMH+14, TE16, VDI24, VSL21, WGD15, WD16, WYH17, WXZ+19, WAKL15, WRK18, XGKM18, XGKM19, XZB+24, XLLY18, YG24, YLH23, YK21b, ZG16, ZZN+16, ZHH19, ZWW23a, ZM20].

**Estimations** [HAS21]. **Estimator** [PSL+16]. **Estimators** [BKS+18, NCB23, SH14b, SGH17b].

**Estonian** [ESVK17]. **ETEH** [CMY+22].

**Evaluated** [PM15, PBA+23]. **Evaluating** [BDL+15, SCY22].

**Evaluation** [BBC+16, BvWM18, BKS+18, Bre15, CLW+16, CMG+17, FWT+18, GaKGB21, GLQ21, GTV19, GLW20, JSR16, JEP14, LCZ+19, MLC+23, MVN22, NRČR14, PMA+21, SW20, SMB18, TKH21, TL19, VHH18, WYY+21, WK24b, YLD15, ZLHL21, ZWL+23a, vNKb+23].

**Evanescent** [MTKS21].

**Evanescent-Region-Aware** [MTKS21].

**EVD** [NEWN23].

**Event** [AGM23, BLLP17, CC21, DWY21, FZZ+15, GMD24, GPF17, HWT+17, HKM+24, JPF14, KXS+19, LRL+16, LZ16, LPL+22, LFWZ23, MCMF18, MSB18, MZX+15, MDE+19, PMM15, PMA+21, RVB+17, SGA15, TKO20, WWS+18, WDW+23, WSH15, WSG21, rPH+17, Ano16-52, Ano16-53, Ano16-54, Ano16-55, Ano16-56, Ano16-57].

**Event-Based** [JP14].

**Events** [CPFSF+14, DH20, FFP+22, JGM23, MM23, MHB+18, PHM+16, SMA+17].

**Evidence** [ZZD23].

**Evolution** [LB16, MTS+19, SWZ16, WLI15b].

**Evolution-Strategy-Based** [MTS+19].

**Evolutionary** [HMK18].

**Evolving** [YD+21].

**Examining** [MDCS20].

**Example** [MAP14, RAB18].

**Examples** [CWZ+23, JWH+22, SWH22].

**Excitation** [EMTF17, EMTF18, JBT19, SSK17, WY+22].

**Exemplar** [BGV15, BV17, KGP14, LCW24, RA23, TLW+17, WWD14, WVCL14, WCL+21a, YGV14].

**Exemplar-Based** [BGV15, BV17, KGP14, RA23, TLW+17, WVCL14, WCL+21a].

**Exemplar-Guided** [LCW24].

**Exemplars** [YGS19].

**Expecting** [DRFO14, GLWQ22, SWH22].

**Expansion** [CWH+16, GDC19, GH23a, LPHCB14, yLs14, PC21, YC22].

**Expectation** [BG23, DG15, DPY18, LSH14, SGH16].

**Expectation-Maximization** [BG23, DG15, DPY18, LSH14, SGH16].

**Experts** [LZ23, ZDV+23, Zhe23].

**Explain** [CLC+22].

**Explainable** [CLL+21a].

**Explicit** [DV14b, FB18, SRH15, ZLS+21, vMM+14].

**Exploit** [LPL+22, ZQ+22].

**Exploiting** [BSTM21, CLW+19, DDN19, FL19, HZW+22, JWH+22, LLWC21, LSB+21, MMB17, MLP+24, ODS16, PSL17, QYC16, SWZ16, WWL14].

**Exploits** [May18].

**Exploring** [GC14b, FB18, SRH15, ZLS+21, vMM14].

**Expressive** [DB16].

**Expression** [CBG15, WZH22].

**Expressions** [WCL+23].

**Expressive** [CMD+23, LCZ+23, LSG21, MSF15, QDS19].

**Expressiveness** [CBG15].

**Extended** [AKG+17, GMD21, NAK+17].

**Extending** [AVB19, GHAP17].

**Extensible** [ES16].

**Extension** [AF18, AF19, HZB23, LAGD18, LB16, MV23, NIK+22, ZPP15].

**Extensively** [QL24].

**External** [ABvM19, BYT+21b, HLB+24, YKMP18, ZL21a].

**Extra** [WED17].

**Extract** [WSZ22].

**Extracted** [WSY14].

**Extracting** [HL18, ZL21b].
Extraction

[AV16, ADLX23, AY17, BSTM24, CXvG+23, CJY+21, CW15, CCC+24, CL14a, DVO+23, FYG+21, GMH14, HPB15, HTG14, HGT15a, HGT15b, HLZ23, JLD24, LZ16, LPL+22, LLHW24, LCRY24, LLW21, LZR+23, LLS24, LLL+19, MAB+16, MYK+24, MAK15, NM21, RMBK14, SAB16, SCCM23, SHZ+23, TH14, TH17, TON+22, VP17, WLT24, WFR+21, XLZ+23, YDZ19, YJX19, ZJZ+23, ZCYZ18, ZW19, ZYD+21, ZQ+22, ZMC+24, ZWX15, ZYL21].

Extractor [CLC+15, CLCW18, LCC+15, MSW+22, VW14, ZYW+20]. Extractor [GGL23, ZSB17].

Extreme [BJZ23].

F [LK19]. F0 [AB15, CWJ15, IIY16, KK19a, LCTA19, TGGE21, WTY18]. F1 [HXWS15].

F1-Score [HXWS15]. Face [EMXD20].

Facial [JD17]. Fact [GHS+21, ZZGD21].

Fact-Article [GHS+21]. Factor [BDV+14, CC15, HH14, MAL18, NK21, QTY16, SGL+21, SGLS23, WLLZ17, YHO+17].

Factorized [AVK+15]. Factorization [ATA16, BV16, BOL+18, BSER17, CONVVC18, CBG15, CY16, ED18, FSO17, HL15, JLKK21, KHTL18, KSK+15, KOS+16, LKPR18, MH16, MUT+20, MTKS21, PPM+24, WGL21, WYY22, ZBCH21, ZXRH+16].

Factorized [CL14a, GWL+24, SS16, ZDZ+21]. Factors [HK24, KKKJ17, SKA16, WWLL14, WC16a, ZYG+14]. Facts [ACK21, BYY+23].


FastMVAE2 [LKM23]. Fate [PP19]. FC [NR22]. FC-U2-Net [NR22]. FDDT [GCvWMJ14].

Feedback [AV16, AATKS21, BY15, BSER17, BSTM24, CWW14, CHJ14, CZZ15, CWB+22, DH14, DGCY23, GMH14, GZGZ23, HC19, IO17, KGP14, KKKG18, KNH+17, LHO+24, LWY+14, LJH+24, LWYD23, LCQ14, LSG+23b, LFZW23, MAK15, NM21, NXCL16, QCDW17, SAB16, SKDN14, SLWY20, SMvpP22, TALP24, TON+22, TQM+23, VML14, WLT+18, WL19, XHW+17, ZDG14, ZW19, ZLZW21, ZQ+22, ZYD+23, ZLJB23].

Features [AFG+23, AVK+15, BPG23, BMVG17, CSJD16, CHWL14, CTLL17, DSHG15, DW17, DB15, FOBP15, GKC16, GMFG16, GP17, HLL15, HLI18, JMD+17, JT15, KTH+20, LGH17, LWZG21, LLLL19, LSB+21, LPI+21, LKR3, LCTA19, PKA14, RG21, STT+19, SGA15, SMA+17, SAS17, SW20, SKK14, SKM17, TD16, TZZ15b, VAH19, VDH24, VAP19, WYH17, WW19, WSY14, WK16, WSNZ22, XGM18, XYY+23, YK17, YB14, ZM21, ZFC+23, ZTM+23, dCSVAGMP15, VZC14].

Feed [ATR+21]. Feed-Forward [ATR+21].

Feedback [AA17, BRD15, BE17, BvWWW17, BvW18, DSD23, FWM+14a, FWM+14b, PPSG17, SD16b, SD16a, SNTD19, SH17a, SFV23, SLGA15, SP15, TNS+18, XYH14, ZLL+24a].

Feedback-Driven [BE17]. Feedback [BSB14, CC14a, MMS+20, SNS15, VE24].

Few [CWR+22, DYY+23, ED18]. Few-Shot [CWR+22, DYY+23]. Fewer [HRL+21].

Fibonacci [FM15]. Fidelity [WWX+23, YPH23, YWT23]. Field [AKUS23, ATP16, ADM+17, BGQO+17, BATS21, EJ16, FFSS17, FFSS18, GF22, KMM+18, KBV16, KBV17, KEZW21, KFIH+14, KCD20, KBI+21, LLGG20, LG20, LMGG21, MAZ21, MFH21, MAB+16, MF18, OBP+24, QCL23, UKS19, VAH19, WYO23,
WWS+18, WAS16, WHH+18, WSFS19, ZA14, ZHB+18, ZSIA16, ATP15. **Fields**
[CE15, HNF20, MZA20, NYD17, YLL15].

**FifthNet** [OS21]. **Figure** [KTH+20].

**Figure-of-Merit** [KTH+20].

**Filtered** [LYCX22, MDY+15].

**Filter**
[AM16, AM20, BvWM17, DV14a, DV14b, DDMw20a, EV23, FZZ+15, FB18, FB19, GCvWMJ14, HAGSZ16, HHHK18, IISN21, KJ21, KKJN17, KE23, KMG17, Lin19, LLL+23, LGH24, ML22, May18, MAA15, MAA16, MGG+14, MGG+15, SD16b, SH19, SGL15a, SGL+23, SRH15, SBS+24, TE23, TTH14, TCY15, TE16, VP17, WTY20a, WW15, WRKG17, WXL+21, XCZ+23, YLJ16, YPH23, YPL21, YWT23, YHC+20, ZCY16, ZCY18, ZZTD23b, ZGG23, ZDLK18, dCBB23].

**Filter-Bank** [SGM+15].

**Filterbank**
[CFMM14, SP16, SGA15, YLD15].

**Filterbanks** [BRC24, CRH+14].

**Filtered**
[CC14a, CZN+24, FdDARF16, ZLX+24, dICSVAGAP15].

**Filtered-x**
[FDdF16, CC14a].

**Filtering**
[ARSA14, ABA17, AY15, CH18, CD17, CMG+17, DMVP16, DB18, DB19, ET18, GMH14, GJ17, GS21, GYDL+21, HBCC22, JCBJ15, KFH+14, LRG21, LGGH19a, LG16, MHD15, MHG15D, NNC21, NCC15, OOK17, PZZZ22, MG19, RG15b, SR16a, TD23, TWW22, TH14, TH16, TG21, TGGE21, WXL+21, XBZ+24, XMBN18, XMBN21, ZHH18, ZH15].

**Filtering-Based**
[MHD15].

**Filters**
[AM18b, BGQO+17, BG21, BH18, CCR16, CBS23, DRK18, FD21, FNA15, GEC15, He14, HBL14, JGM23, JBC16, KHWC15, LSN21, MV14, MZL21b, PGS+22, PT21, SSTS18, TG23, TG24, WCC+21, WST+21, W1d18, W1d19, Y1d22, ZG16].

**Financial**
[LPM+23].

**Finding**
[HL115, ZH119].

**Fine**
[FSN24, GGL23, GHS+21, GHJ+23, LJL+23, MLL+22, SLH+21, WZMH22, WY23, YPC+22].

**Fine-Grained**
[GHS+21, GHJ+23, LJJ+23, WZMH22, WY23, YPC+22].

**Fine-Tuned**
[FSN24].

**Fine-Tuning**
[GGL23, MLL+22, SLH+21].

**Fingerprint**
[OX16].

**Fingerprinting**
[HWRC15, ODG16, SW16].

**Finite**
[AB21, AG17, ADGE19, BHS16, BS14, HNF20, MPPS+23, OVN21, SWRK15, ZH15].

**Finite-Difference**
[MPPS+23].

**Finite-Distance**
[AB21].

**Finnish**
[ESVK17].

**First**
[BBAS19, BBJ18, CASZ17, LCQ23, MFH12, TC19, TC22, WC16a, Ano15z, Ano15-27].

**First-**
[TC19].

**First-Order**
[BBAS19, BBJ18, CASZ17, TC22, WC16a].

**Fisher**
[ATP15].

**Fixed**
[FB18, LGH24, SGL+23].

**Fixed-Filter**
[LGH24, SGL+23].

**Fixed-Point**
[FB18].

**Flamenco**
[KG16].

**Flat**
[HSPK18].

**Flat-Start**
[HSPK18].

**Flattening**
[HHZ+21].

**Flexible**
[ARW+16, KB16a, PACP+23, YLK+21].

**Flexibly**
[ACK21].

**Floating**
[LYH+22].

**Floating-Points**
[LYH+22].

**Flow**
[CLW24, G15, SDC23, WC16b, ZCW24].

**Flow-Based**
[SHC23].

**Fluency**
[BDL15].

**Fluent**
[ZCW24].

**FluentNet**
[KHE21].

**FluGCP**
[ZCW24].

**Fly**
[EDO17].

**FM**
[VS14].

**FMM**
[JKU18].

**Focusing**
[ACK21].

**Following**
[LD16].

**Footprint**
[LR17].

**Foreground**
[DP16].

**Foreign**
[BHS+6, MK15a, ZGO21, ZWT23].

**Forensic**
[WH22].

**Foresight**
[LLT+21a].

**Forests**
[PMM15].

**Forgetting**
[CC15].

**Fork**
[PWS+23].

**Form**
[dCBB23].

**Formalism**
[KDY14].

**Formant**
[FWM+14a, FWM+14b, JFG+17, YLY15].

**Formant-Based**
[LY15].

**Formants**
[SIUW21].

**Formulation**
[Bay15].

**Forward**
[ATR+21, LFQ19, ZTW19].

**Four**
[WDW+23].

**Four-Stage**
[WDW+23].

**Fourier**
[WCC+21, LYB+23, VH19, XZC+23].
Fractional
[BGQO+17, Hel14, HCB20, MMZ23].
Fractional-Order [Hel14].
Fragment
[HLL15]. Fractionation [WLF23]. Frame
[DV14b, FB18, FB19, HSM19, LKC+21, LLC23a, SSFP18, TYW+23], Frequencies [AHSS+18, AY17, BSR+23, HJC19].
Frequency [AM16, AY15, AY17, BP14, BOSR23, BVWM17, BCB18, BABC19, CvdPHH21, DSD23, DSH18, EV23, GLWQ22, GJYW23, GLLL22, GcvWMJ14, GZZY23, HSK17, HCBY18, HEMN21, HBC17, HCB18, JP14, JFG+17, JCBJ15, JT15, JWB21, KJ21, KTY+15, KXS+19, KGH+16, KBG16a, LSNW23, LFWZ23, LM19, MTRNR21, MAP14, MOT+23, MGF18, MCD14, NV21, NJC16b, OG14, PDKG24, RBR16, RG15a, RKL14, SUK24, SLGS23, Son21, SKH+15a, SKM19, SLJ18, TM16, TWIN23, TLW+17, TZZ+15a, WCC+15, WZW19, WW17, YM21, YBC+14, Yan22, YK21a, ZKA15, ZG16, ZTQB19, ZQN+23, ZZS+21, ZSIA16, ZH15]. Frequency-Band [LSWN23].
Frequency-Dependent [DSD23, DSH18].
Frequency-Domain
[BvWW17, BCB18, GcvWMJ14, HCBY18, KJ21, SGLS23, SKM19, TM16, Yun22]. Frequency-Energy [FWZ23].
Frequency-Invariant
[BABC19, HBC17, HCB18, Son21]. Frequency-Resolution [EV23]. Fricatives [XWW19]. Friendly [EDO17]. Front
[BNvdB+20, Cun15, GLC+14, JLZD24, MC17, SIKN23, WCC+23, WY23]. Full-Sentence [MC17]. Full-Song [WY23]. Fully [BD16, FWT+18, LLC22]. Function
[BKK15, CSY+21, CG20, HMDG15, ISZA15, KMG15, LG18H18, LG19hb, LEI21, MVH16, MMR+22, MD16, MNGFO19, MR20, PCB14, PAB19, RF19, SAPB15, SDDCC15, SM14H, WYY22, YLL21, ZHH19, ZDD21]. Function-Based [WY22]. Functional
[BSL16, CSAR+14, WSZN21, ZA14, ZKA15]. Functions [APWB23, BHAM19, FPTJ17, FPTJ18, FFSI17, GSA18, KD17, MBM15, MPKS+23, MDCS20, MAT15, SGH15b, VDC+17, ZLLS16]. Fundamental
[AHSS+18, AY17, HJC19, HEMN21, JP14, JCBJ15, KYI+15, KBG16a, MOT+23, NJC16b, SLJ18, YBC+14, ZG16]. Fusing
Gabor [OD17, SGA15]. Gain
[AA17, AC24, MAT15, NZL23, Non14].
Gains [HBB17]. Game [hShWvS15].
Gamma [NY21]. Gammatone [JGM23].
GAN [BK24a, CHL23, KVMV24, MV23].
Gap [GAM23, WTW20]. Gate [MWT23].
Gated [FYT21, GAPGG19, LKC21, TWZ18, TCW19, TW0, ZQZH19].
Gating [TB18]. Gaussian [ATP16, BDV14, BS14, CDLL19, CY15, DDNN19, GY14, GR14, GHAP17, HIA17, HGAP15, JRA17, KK19b, LGR14, MTK20, NNL15, NCB23, RG18, RBBG15, SKH15a, SKM19, TZZ15a, ZVC14, YUK21].
Gaussian-Impulse [TZZ15a].
Gaussianization [Ano19c, MMMDL14].
GCC [WRDP17]. GCC-NMF [WRDP17].
GCN [YHL17]. Gender [WDDL17].
General [BZ23, BBHS16, FFS18, JQL24, LYZ23, NTO23]. General-Purpose
[NTO23]. Generality [ZJL21].
Generalization
[GAM23, HWW23b, PW22, ZWL23b].
Generalized [ABvM19, CDDL19, CWR22, DV14a, DV14b, DTL15, DST19, JSR16, KPH15, Lin19, MH16, PLZL17, RPL23, SDCC15, SR14, SLW15, SKH15a, SKM19, VS14, XZ23, ZDZ23].
Generalized-Gaussian-Distributed
[SKH15a]. Generalizing
[LSL23, XLY18]. Generate [CLL21a].
Generated [EZS14, WWD14]. Generating
[LM17, SWH22, WQZ21, WCL23, ZZH21].
[BGQO+17, LFdG14, ODG16, SRH15].

GPU-Based [BGQO+17]. Grad [CAFRR23]. Grad-Transfer [CAFRR23].

Gradformer [PFLX24]. Gradient [CAFRR23, HF15, QYCT23, SLZ+21, SBP+24, XCZ+23, YPL21].

Gradient-Weighted [CAFF23].


Granularity [LKK+21, LHG+24, PFLX24, TZS+21, WYL+23]. Graph [BLZ21, CBW+24, CMY+21, FLL+23, JBWZ24, KD1, LPM+23, LHL+23b, LK16, LHG+24, QCN+21, SGF+21, WYLZ16, WLLZ17, WYL+23, WWG+24, WZM21, WZ21, WFR+21, XZL+21, XLZ+23, XZL+23, YHL+23, ZWCT15, ZZZH22, ZZY+24, ZLZ+24, ZCY+22]. Graph-Based [KD21, LK16, WZ21, ZWCT15].

Graph-to-Sequence [WZM21]. Graphic [RVB14, VR19].

Graphone-Based [SML+24]. Graphs [yLSL14, PHMB18].

Greek [PKR+24]. Grid [COH18, HKHP23, LJL+23, SLJ18].


Group [CDI5b, DCA22, LVM21, LHM21, ONKP16, SLZ19]. Group-Delay [LMV21].

Grouped [DS23].

Grouping [LSBM19, YYY+23]. Growing [WZL+15].

Growth [Li15].

GRTr [SSA21].

GTrans [YYY+23].

Guaranteeing [SNK21].

Guest [HLL15].

Guidance [RC23].

Guided [AGB+24, BNA24, CDLL21, FZ+15, HRL+21, KBC+23, LPL+22, LCW24, LCZ23, NIK+22, WZM19, XCHX24, ZZJ+23, ZAI14, ZZK22].

Guitar [AS17a, MFG15, SWEV23].

H [PMB+20].

H-AAIQ [KA16].

HACN [LFM+23].

Hallucination [SSFL22].

Hammerstein [DvWDM14].

Handling [HBF+16].

Handwritten [GMH17].

Hankel [JP14].

Hard [ZH19].

Harmonic [AKB+16, AB21, BPG23, BAS20, DMVP16, DHP14, ESJ17, EJ16, FNA15, GJ22, HN21, JTHN14, JC17, KF+14, LKPR18, MMS+20, MOT+23, MPR+24, MTKS21, MBT14, MDM15, MK15b, NK21, PSL17, PHK16, SCW21, TOS14, TM16, Ter16, VAH19, WYH17, WZG+23, YK21a, Ziv15].

Harmonic-Net [MOT+23].

Harmonic-Percussive [BPG23, PSL17].

Harmonic-Temporal [NK21].

Harmonic/Percussive [LKPR18, TOS14].

Harmonics [HZF17, HZF18, SAC17, ZKA15, Ziv15].

Harmonics-Based [SAC17, ZKA15].

Hate [LLZ+23c].

HDRS [MMBT21].

Head [AFG+23, APWB23, BKK15, BHAR19, BBHAR24, GSA18, MMB17, MBM15, MGF18, MPKS+23, PAB19, RF19].

Head-Related [APWB23, BKK15, BHAR19, GSA18, MBM15, MPKS+23, PAB19, RF19].

Head-Tracker [BBHAR24].

Headline [ASC+18].

Headphones [Gdc14, LV22, RG15b].

Heads [LLZ+21a].

Health [KAA+24, ZLW+24].

Hearing [AHH+19, ABK19, DV23, DDP+24, FWM+14a, FWM+14b, FPTJ17, GwdP23, HdHT22, IC19, KNBC19, KPH15, LV22, MWW22, MHD15, MHDG15, NNM16, NNL15, PPSG17, SFFP18, SGM+15, SD16b, SD16a, SNTD19, SP15, TNS+18, WW15, YLJ16, YKPM18, ZZ22, ZEM18, KA16].

Hearing-Aid [YLJ16, KA16].

Hearing-Loss [DV23].

Height [KFH+14].

Heterogeneous [CL18b, FLC+23, LCZ+17, ZZXH22].

HGEN [ZZXH22].

HHT [MC21].

Hidden [DBK15, HBT+21, HL18, KSG24, PCW15, RV17, SS16, SLR16, TP16].

Hierarchical
[ARW+16, AMK+20, CXX+23, Chi15a, Chi18b, COH18, DJY+19, FZM24, JHKL18, JLP+21, KM23, LG19, LZC+23, LAGD18, LWCL19, LZL+23, LGH+24, LCG+24, NNC20, NNC21, PLQZ23, RV14, RC23, TWZ+18, TP16, WCY15, WWS+18, WSL+20, WZMH22, WLL+23, WLF23, XLZ+21, YLC+24, ZZIH22, ZWHD23, ZLW+24]. Hierarchical-Diving [WWS+18]. Hierarchies [FGQ+15]. Hierarchy [SZX+18, YLC+24, ZQL22]. Hierarchy-to-Sequence [SZX+18].

Hiformer [WLL+23]. High [AY17, BP14, DTDL16, FNA15, GB14, HB17, HCQ24, KLS+21, KKGH16, MCS21, MTS+19, NR14a, RBV14, RF19, WCY15, WDDL18, WCCB19, WWX+23, WFR+21, XNRG15, XPC+22, YPH23, YPC+22, YWT23, YH21].

High-Fidelity [WWX+23, YPH23, YWT23]. High-Order [HB17, MCS21, WCY15, WFR+21, YPC+22].

High-Performance [HCQ24, MTS+19, WDDL18].

High-Quality [FNA15, RBV14].

High-Resolution [BP14, DTDL16, KLS+21, KKGH16, RF19].

Higher [AS17b, BSR+23, GLWQ22, HPM24, HF23, SAP14, ZZI+21, vMM14].


Hints [ZH19]. Histogram [RG15a].

Histograms [MJ18]. Historical [MV23].

History [CBCL15, KSK21, LCYW21, LLZ+23d].

IDLMA [TDDN24]. HMM [AZK15, BD16, DBL20, HSPK18, NYS17, PM15, SDK17, WWD14, YHO+17, ZSB17].

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

HMMs [SLW15]. HMRFs [AB15]. Hoc [TJCB16, WC18b]. Holistic [ZLHL21].


Hour [RGK24]. Householder [MWC+23]. Howling [AC24, KPH15]. HPM [LCWC16].


Humans [TM21]. Humming [WJ15a]. Hurst [ZCF14]. Hurst-Based [ZCF14].

Hybrid [ALH+21, EV23, LKPR18, LGTG18, LLdCF23, LFM+23, RGK24, WSZ21, WSZN22, XWWW19, ZSL+22, ZLSC23].

Hybrid- [EV23]. Hyperbolic [XCZ+23]. Hypotheses [LAK16]. Hypothesis [HEMN21]. Hysteresis [MTBB15].
Implementation [DV14b, GdBBS21, HKH23, LFdDG14, Nos16, SRH15, ZN14].

Implications [SMA17]. Implicit [MRL21b]. Importance [BKTR24, CB14, RG18]. Improve [CDLL19, CHL+23, HBF+16, KGP14, LSB+21, MLL+22, PW22, RRdM16].

Improved [ATR+21, CWT22, DH14, FFSS17, KMG21, KG14, yLSL14, LLC+23b, PCB15, PHM+17, PPSG17, SF14, SGM+15, TG23, TDL19, VHBS21, YsL15, YND14, ZS+23].

Improvement [BNA24, CAPFR23, HCTJ15, HWW23b, KNBC19, SSS22]. Improvements [BD16, YHC+20, ZS1A].

Improves [GBF21]. Improving [CLSyL21, DC16, FSN24, GCG21, HWW16, LWZ22, LSL19, KKM21, MCD14, TP15, TRL6, TZZ+15a, VDC+17, YK21].

Impulse [ADM+17, BWH18, CCR16, CCTO21, CNFG23, DGCA23, GS21, JEvW23, KB14, KD24, KBT19, MKM21, MCD14, TP15, Ter16, TZZ+15a, VDC+17, YK21].

Impulsive [MCZ21, NCC15, RBBG15, ZLSC23].

Imputation [RLPK15]. In-Domain [JGK+22, QCL23]. Inactive [JWH+22].

Inaugural [Ano19t, Li15]. Incidence [PCB14]. Incoherent [BABC19]. Incoming [SN1D19]. Incomplete [KMG15].

Inconsistency [ZLW+22]. Incorporate [GZX+21]. Incorporated [LGL+24].

Incorporating [AL23, BYY+23, CWL22, HCTJ15, MWT+23, MIR+21, RCR+21, STS18, WTZ18, ZL21a, ZAL24]. Incorrect [LC24]. Increase [KNH+18].

Increased [DVO+23, SK16]. Increasing [RGR+22]. Incremental [CGL+15, MP16, RLK14].

Independent [CMY16, ESY14, GZ23, HNT+23, JJB16, KCMW17, KOS+16, LWLS24, LW19, LPI+21, LCM18, LLL+23, MMT+19, MTK+20, NIK+22, WQHY19, WTW20, WH22, WDD+16, XH23, YM17, ZSB17, ZKH18, ZM23].

Index [Ano14a, Ano17a, Ano18a, Ano21a, KA16]. Indian [MVN22, PM19]. Indic [PM23].

Indirect [PCW15]. Individual [CB14, GSA18, JK19, KJKN17, ZG+20, ZYG+14].

Individual-Weighting-Factors [KJKN17].

Individualised [DV23].

Indoor [DCZ19, LYN14, SCW21]. Induced [GA20].

Induction [BCCZ19, CLZ+23, ZDC14]. Inductive [SML+24]. Infant [AHF21].

Inference [AV16, BWH18, Bre15, KWW24, LZ16, LHL+23a, SEM+14, TG22, WZZ+24, YJX19, ZDD23, ZLC+24]. Inferring [KHCW15]. Infinite [MIYO14].

Infinite-Order [MIYO14]. Influence [HK24, MNGFO19, RF19]. Influences [CHC+14].


Information [YKL+23, YMM19, ZW16a, ZYD+21, ZMC+24, ZMZ24, ZDD+21, Ano14-77,

Information-Based [RMBK14].

Information-Theoretic [FDK15, ZMZ24].

Informative [KNH+17].

Informed [AF23, CHJ18, DM16, FPTJ17, FPTJ18, KKGK18, KBG16a, SFDRB21, SBM+19, TH14, TTH14, WWD14, WED17].

Infused [ZQF+24].

Initial [WDD+16].

Innovation [HNF20].

Innovations [Ano19t, Den14].

Inpainting [MPHM19, MPC+24, PHMB18].

Input [Ano19c, CD17, CHJ14, EV23, HM14, MMMDL+14].

Input-Output [EV23].

Inputs [XZSX23].

Insights [HCB18, SMO+21, TG23].

Inspired [ARW+16, JGM23, LZZP22, LSH+23, LWWY23, MAK15, XGKM18, dCSVAGAPM15].

Instance [BY15, LZD+23].

Instant [KKGH16, MG18].

Instantaneous [EMTF17, JP14, KGH+16, NJC16b, TTH14].

Instants [DP16, KDV14].

Instrument [AS17a, KM23, MSS17, SCY22, SHG21].

Instrument-Centered [AS17a].

Instruments [AGV24].

Integral [RPL+23, SG21].

Integrated [DDMvW20a, GGL23, IBN+18, ZZY+24, ZEM18].

Integrating [BYT+21b, CWUS22, FBWG23, TYW+23, WCC+23].

Integretion [AVM19, GJB15, JY23, MKA16, SKDN14, WLZH21, YZW+21, ZZJ+23, VZC14].

Intelligence [WRKG17].

Intelligent [KAA+24].

Intelligible [LM17].

Intensity [Hac14, HMN17, KKKJ23, YWLZ18].

Intent [AGB+24, CJY+22, ZXZZ23].

Intention [TP22].

Intents [SFEB23].

Inter [BV23, CHGS23, LYL21, PM19, TWIN23, WZC23, ZZJ+23].

Inter- [CHGS23].

Inter-Aspect [LYL21].

Inter-Component [BV23].

Inter-Pair [ZZJ+23].

Inter-Pausal [PM19].

Interacting [SGY+24].

Interaction [LZL+23, LHG+24, WWG+24, WWLLL14, ZLL+24a].

Interactions [JGHN23, LLL+22].

Interactive [GLL20, LCW+18, ZWW+23b, ZLG+22].

Interaural [CvdPHH21, IC19, MHD15, MD18, PZW+21, RJW19, dCBC23].

Interference [HMDG15, HWW23b, TK14, ZLSC23].

Interfering [DDMvW20a, HdlHTJ22].

Interframe [AM18b].

Interleaved [VP21].

Intermittently [IO19].

Internet [LGL+24].

Interpolated [JGSC+22].

Interpolation [ADN+17, APWB23, KBI+21, MCD14, RBBG15, TJV24, WYO23].

Interpretability [PPM+24, WGR+18, SUY+18].

Interpretational [YLQZ24, ZZY19].

Interpreting [AFG+23].

Interrelate [CCY+24].

Interval [AATKS21].

Intonation [TG16].

Intra [CHGS23, JYB+15].

Intra-Object [JYB+15].


Introduction [LFH+15, RVB+17, SHKB17].

Intrusive [CSS+19, PSL+16, PJTJ24, VHK18, XZF23, ZFC+23].

Intuitive [AdHTJ16, AdTJ18, BNA24, ECJF21, EZS14, GTSM24, HCJT15, JT14, JT16, JRA17, KNBC19, KHK17, KKK15, KT19, LY21, MZJ15, PJTJ24, PK15, SF14, SW20, SZS22, TM14, VHK18, ZSIA16].
[CDA⁺14, SGLS23]. Invariant
[BABC19, HBC17, HCB18, KTYTJ17, LSW18, LM15, Son21, WYO23, ZWL⁺23b].
Invasive [BSWP18]. Inventories
[WCW⁺21]. Inverse [ARSA14, ABA17, AKN⁺16, CMG⁺17, GJ17, LGGH19a, PT21, MG19, SR16a, SH19, SGL⁺21, ZF14].
Inversion [DSMD15, HGAPB15, JJB16, PT21, SSSS22, TKT17]. Invertible
[HKHP23]. Investigating [BLZ21, DQY18].
Investigation [CSJD16, CD17, CCC21, GA20, LHI14, NW14, PCLP14].
Investigations [CWC17]. Irregularities
[GdC14], ISNMF [MV19]. Isomorphic
[LYZ21, TXH⁺23]. Issue
[Ano16-50, Ano16-51, KSG⁺21, SHKB17, Ano16-52, Ano16-53, Ano16-54, Ano16-55, Ano16-56, Ano16-57]. Italian
[MBD23].
Iterative
[CTLL17, JLP⁺21, LRG21, MCL22, PC21, SOF15, SH19, WHRC16, WCC⁺21]. IVN
[DH14].

Jitter [MCS21]. JMS [ZLW⁺24]. JMS-QA
[ZLW⁺24]. JoinER [CXG⁺23]. Joining
[TSKO20]. Joint
[ABA17, AJLW14, ADM⁺19, BV17, BSW⁺24, BB21, CXG⁺23, CDLX18, CL17a, DDBW23, DDMvW20a, DZF⁺23, FYT⁺21, GDC19, HCH23, HHHJS15, IISN21, JCB15, JLP⁺21, KMB18, KD16, KHJ19b, LL19, LZC⁺14, LZ16, LZZP22, LMH23, LLC⁺24, LLDPC23, MMS17, MYKO24, MAT15, MK16, NW15, PKA14, QTY16, QZLH21, QL24, SOF15, SHJT21, SSJS22, SGY⁺24, TQW⁺15, TLLV17, UNI⁺24, WW16, WED16, WLLZ17, WQ24a, WAJL15, XGKM19, XBR⁺24, YG24, YZL⁺18, YLGG22, ZYF18, ZMC⁺24, ZLW⁺24, ZYW⁺20, ZZSD23].
Joining [JWBR21]. Jointly [ACK21].
Judgment [LQW⁺24].

Kaiser [KPH15, SH17b]. Kalman

[BvWW17, BH18, DDMvW20a, DB18, DB19, EV23, MMY⁺23, NCC15, SGH15a, TCY15, XMBN18, XMBN21]. Karhunen
[LPHCB14]. Keeping [Den14]. Keeps
[ZYU22]. Kernel [CL1⁺21b, DT16, DTC17, DSH18, GI15, KBI⁺21, XDC⁺17].
Kernels [CH21, WTHJ14]. Key
[DAFS15, YZW⁺18]. Keyphrase
[LLW21, YYZY24]. Keyword
[HPB15, HBF⁺16, LY⁺23, LWL⁺19, LETJ21, WJ15b, YCM⁺21, YGS19, YCS23].
Keyword-Attentive [LWL⁺19]. KGAgent
[YYZY24]. Kinematic [JJB16].
Kinematic-Independent [JJB16]. KINet
[BYY⁺23]. KLT [RKL14]. Knowing
[QCN⁺21]. Knowledge [BYT⁺21a]
[BYT⁺21b, BYY⁺23, BK24b, CWUS22, DYY⁺23, PLL⁺23, GJB15, HLB⁺24, HDW⁺23, IK23, JQL24, LWJ19, yLSY⁺14, LWC⁺18, MPL⁺21, LHL⁺23b, LZD⁺23, QVZ24, RPL⁺23, SGF⁺21, TP23, WTZ18, WWG⁺24, WQ24a, XFH⁺23, XZL⁺23, XZFN23, YLK⁺21, YKL⁺23, XSSL19, ZLZ21, ZLZ⁺22, ZLZ⁺24, ZGD21].
Knowledge-Aware [LWC⁺18].
Knowledge-Conditioned [DYH⁺23]. Knowledge-Grounded
[BYY⁺23, ZZFN23]. Knowledge-Language [ZYY⁺23].
Knowledge-Regularized [QVZY24]. Knowledgeable [ZZZ22b]. Kronecker
[BG21, CBC19, HBCC22, IBC21, PBC18, SBP⁺24, WBC⁺21, WCC⁺21]. Kullback
[SLGZ15]. KWS [CMY⁺22].

L¹ [MBDV23]. Label [CLZ22, JCYwH21, KTH⁺20, PHM⁺17, WZL24, WZMH22, XXS⁺23, YLC⁺24, ZWHD23].
Label-Correction [ZWHD23]. Label-Tree
[PHM⁺17]. Labeled
[FP⁺22, Lin19, MSB18, OV21]. Labeling
[CMY⁺21, CLZ⁺24, CJY⁺22, DB15, FWRJ21, GCG21, MMM23, MZL21a, PC21, SGL20, WXS24, XWS⁺21, ZQZH19].
**ZGC**\(^+23\). **Labelled** [HRL\(^+21\), KXS\(^+19\)].

**Labels**
[Bor22, DVO\(^+23\), FCG24, JGK\(^+22\), LC24, LCSI19, LB19, MMM23, SKT21, YCLS17].

**Ladder** [DV14a, DV14b]. **Lag** [AS17b].


**Language-Adversarial** [YTWB19].

**Language-Independent** [LPI\(+21\)].

**Language/Dialect** [ZH18].

**Languages** [DCLHJ18, FLC\(+23\), KMG21, NNC20, PM19, TGG22, ZP15].

**Laplace** [Chi15b].

**Large**
[CL14b, DB15, ESS17, GaKGB21, JHLK18, SAP14, SFIL17, TB18, WBS18, ZCY\(+22\)].

**Large-Scale** [CL14b, GaKGB21, ZCY\(+22\)].

**Laryngeal** [DB17].

**Laryngectomy** [MHD\(*17\)].

**Lasso** [RBR16].

**Lasso-LS** [RBR16].

**Late**
[BRD15, BKS\(+18\), CS19, DDBW20, DDBW23, GSP23, HCJT15, KD18, VP21, XGKM19].

**Late-Reverberation** [VP21].

**Latency**
[CK19, EV23, WWWR23, ZPW23].

**Latent**
[GN23, HM14, JPX\(+23\), KGG19, LWCL19, LCL\(+23b\), PKP\(+21\), RV14, RCL18, SGL\(+23\), WTHJ14, WSH15, YPC\(+22\), ZWCT15].

**Latent-Domain** [JPX\(+23\)].

**Latent-State** [LCL\(+23b\)].

**Lattice**
[CM18, LCW\(+16\), TYW\(+23\)].

**Lattice-Free** [TYW\(+23\)].

**Law** [SAB16].

**Layer**
[CLLD14, GYXY23, QCN\(+21\), SS16, XSC\(+23\)].

**Layer-Level** [GYXY23].

**Layer-Wise** [CLLD14].

**Layers**
[GN23, TYZ\(+22\), YYY\(+23\)].

**Layouts**
[CT14].

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

**LCMV-TRINICON** [MGGK17].

**Lead**
[MFG15, RLS\(+18\)].

**Learn** [SGL\(+21\)].

**Learnable** [CWZ\(+23\)].

**Leaderboard** [GLW20].

**Learned** [HNT\(+23\)].

**Learners**
[MFD23, TJV24].

**Learner**
[MBDV23, TJV24].

**Learning**
[LCS19].

Learning [RV17, RC23, SP16, STS21, SSFP18, SST+19, SSFL22, SGY+24, SK16b, SCY22, Sg20, SG21, SYKL21, SCEH19, SWC20, SHZ+23, SLR16, TM18, TW20, TZW21, TW21, TR14a, TDL19, VRN18, WS15, WED17, WDDL18, WC18a, WW19, WHQV19, WZW19, WLY+23, WZM21, WBSG18, WGR+18, WZH22, WLT+22, XHRC24, XLW21, XDC+17, XIW+17, XCHX24, YLL21, YZZ24, YTGB19, YTF+23, YH17, YW+23, ZM21, ZYL+21, ZFC+23, ZCS15, ZW16b, ZW17, ZH18, ZS20, ZMX+21, ZZZL21, ZXXH22, ZSC+23a, ZZXX23, ZWL+23a, ZMC+24, ZWW21, ZYW+24, ZMZ24, ZXY+16, ZLJ21, ZLG+22, ZZZW23, ZZZD23, ZQF+24, ZB14, ZZP15, ZT23c], Learning-Based [CDLL19, GvdP23, GAM23, HBK24, KKGK18, LK19, LPL+22, SSFP18, SK16b, WZW19, XHRC24, ZFC+23], Least [BBM17, EIPB+19, JK21, LH23, LZHN14, SOF15, SD16b, SH19, ZHZH16, ZGL+23, ZLY+24]. Least-Mean- [ZGL+23], Least-Mean-Square [ZZH16], Least-Squares [BBM17, EIPB+19, JK21, SOF15, SD16b, SH19], Least-Squares-Based [LH23], Lecture [yLSY14], Lectures [YsL15], Legal [GHS+21, LQW+24], Legendre [CCR16, CH21], LegoNN [DOL+23], LEGOs [ED18], Leibling [SLGZ15], Lemma [KSU+19], Length [CC14a, SIU21, Yan22], Less [vNKB+23], Level [AL23, CvdPHH21, CONVVC18, CHJ14, CWU+19, CZWC23, CC14h, DTN+17, DY22, FNA15, GWLL22, GXY23, HQTX23, KTYTJ17, LWZG21, LHL+23a, LSL24, LYL21, LLCT22, MASC23, MHZ+24, OZ18, QZLH21, SFDRB21, SGH17b, Sg20, Sug22, TQW+15, TM22, WWG+24, WZ21, YsL15, YH21, YJX20, ZZJ+23, ZL21b, ZDZ+21, dCBA23], Level-Dependent [MASC23], Levels [GB14], Leverage [QCN+21], Leveraging [BJ24, CLC+15, DSH18, LB23, LCY+23, XYH14, YW14, YKL+23], Lexical [QLL+21, QLZ+21], Lexically [LFQ19], Lexicon [BCCZ19, CLZ+23, DJY+19, KJG16, ZWCT15], LF [HXL+21, HXC+22, LTE+21], LF-MMI [HXL+21, HXC+22], Library [Ano15-28, Ano15-29], LID [JSM18], LID-Seoners [JSM18], Lightweight [LJH+24, LHM21, XZSX23, YPH23], Likelihood [CW15, CWJ16, CP21, CG16, HH14, KD1J16, KD1J17, LHGI17, LMH23, MH18, SHAG17Z21, TWIN23], Limited [HLL15, HOF15, NNC19, SDK17, ZZZ+24], Limits [KM21, MK15c], Limits-Potential [MK15c], Line [TM16], Linear [ARSA14, AS17b, BS14, BLL17, BG21, BSL15, BBAS19, BH18, CCT21, CMM+23, CS19, CPL14, DV14a, DSHG15, DST+21, DDMvW20a, FFSS18, GR14, GCJ+14, HBB24, HTG14, HBB22, JBC16, JHW+21, JYX20, ZZJ+23, ZL21b, ZDZ+21, dCBA23].
JvWGD15, KKK15, LHJ+23, MAP14, MH18, MMZ23, NXCL16, OOK17, PBC18, PCBl6a, MG19, SAB16, TG23, TG24, WYY24, XBJ+24, XY+23, YOM21, YK14, ZTM+23, ZNN+21.

Linear-in-The-Parameters [BG21].

Linearity [ATR+21]. Linearity [ABKP19, KSHH18, MHGD15, RMBK14, ZDD21]. Linearly-Constrained [ZDD21].

Linguistic [OL15, ZWTL23]. Linguistics [DFY+24, DBM15, LWC+18, NNC19, WSL+20, ZLD20].


Loudspeaker [ATR+21, BA16, BBJ18, DwWDM14, FNA15, GEC15, GFS22, HF21, HSK17, KBV16, MFH21, OFF+17, SSTS18, VDM15, ZA14].

Loudspeaker-Based [HF21]. Loudspeaker-Room [BA16].

Loudspeaker-Signal-Domain [VDM15].

Loudspeakers [LCL23a, MMZ23, MJJ+14].

Low [AM16, BF18, BIK+18, CvdPHH21, CBA+15, CLG+16, CWW21, CM15, CSS23, CHL+24, CRH+14, CK19, CPSFC+14, DZF+23].
DW17, DRK18, FZM24, JY23, KML18, LS14a, LM19, MTNR21, NDS+23, WZW19, WWW16, WW17, YK21a, ZH15.

Masking-Based [DW17]. Masking [HKHJS15, LK19]. Matching [AKUS23, GLQ21, GLL20, LWJ19, MKA+14, MS23, OFF+17, SSTS18, UKS19, WZS14, YGV14, YXX+22, ZSC+23b].

Matching-Aggregation [LWJ19]. Match [LGL+22, WZH22, ZZXH22]. Matrices [LHD16, MUT+20, ZT+14, MKA14, MS23, OFF+17, SSTS18, UKS19, WZS14, YGV14, YXX+22, ZSC+23b].

Maximization-Based [WD16]. Maximize [KNH+17]. Maximizing [LCL23a]. Maximum [CL+21b, CP21, CG16, HH14, HBLC14, HXWS15, KL+17, KDJJ16, KDJ+17, LHM+23, LMC18, LHH+23, MH18, PBC16, SHAGPRZ17, TWIN23].

Maximum-a-Posteriori-Based [KL17]. Maximum-Likelihood [CP21, MH18].

MaxNSR [WGD15]. MDN [DY22]. Mean [CL+21b, JT15, KTJ19, LMC18, RLPK15, SKSD14, ZHZ+16, ZL+23, ZLX+24].


Measures [CPGL24, DAGS+18, FDK15, MVH16, SSFP18, TM14, TKH21, ZKDS18]. Mechanism [HCKW23, LWF+19, LIT+21a, LL+24, LHY+23, OZG18, PLQZ23, WGP+21, WZH22, ZXX+21].


Mel-Cepstrum-Based [YHZ+18]. Mel-Frequency [JS15]. Melody [CWJ15, RDP14, WJ15a, ZCY18].


Measurement [CCR16, CCTO21, FNA15, MAL18, SP17, XZF23]. Measurements [BKK15, Hac14, KMM+18, KMG15, RF19].

Measures [CPGL24, DAGS+18, FDK15, MVH16, SSFP18, TM14, TKH21, ZKDS18]. Mechanism [HCKW23, LWF+19, LIT+21a, LL+24, LHY+23, OZG18, PLQZ23, WGP+21, WZH22, ZXX+21].


Mel-Cepstrum-Based [YHZ+18]. Mel-Frequency [JS15]. Melody [CWJ15, RDP14, WJ15a, ZCY18].

HB17, JVR16, JCBJ15, JK15, KBV16, KML18, LFH+15, LYL+21, LCW+16, O’S24, RDP14, RJC17, TON+22, WLL+15a, WAS16, WXS24, ZLY17. **Metric** [GSA18, LCZ+19, LY21, MMR+22, MVN22, SF14]. **Metrical** [KHCW15].

**Metrics** [BDL15, FWT+18, GTSM24, VKH18]. **METTS** [ZLL+24b]. **MFMVDR** [FD21]. **MGM** [Ano17-68, Ano17-69]. **Micro** [DB15]. **Micro-Modulation** [DB15]. **Microcanonical** [KDY14]. **Microphone** [ABB+23, AR16, AFdDG23, BC18, BCB18, CBA+15, CM18, CZ17, CASZ17, CCT21, CC14b, DDMvW20a, ED18, ECH23, FSA18, FSEI21, GvdP23, GS21, Hac14, HGYN23, HAGA21, HCY21b, HBC17, HCB18, HCB20, IO17, JEP14, JHW+21, KK14, LWZ+14, LH23, LHM23, LAP23, MVH16, MXNB19, NLR14a, NHIK16, Non14, OBP+24, OISO14, PCB15, PCB16a, PCBS19, PC19, SSTS18, SNTD19, SGH15b, SCB21, SKDN14, SPM17a, SPM17b, SBVM16, TD23, TZW21, TH14, TJB16, TP15, TCY15, TR14b, TR15, TNS+18, TC19, TC22, TE16, VH19, WD16, WC18b, WCCB19, WC+21, WC16a, WRKG17, YZCW21, YKPM18, YLL15, ZCY16, ZCHH18, ZCDH21, ZLLZ23, ZBC14, ZHCB21, ZHCB23, WWW21]. **Microphones** [ABvM19, BBAS19, LGTG17, MAZS22, MH16, STH+18, SAP14, SFK15, WRC16, WHRC16]. **Microwave** [BSWP18]. **Mid** [MCF18]. **Mid-Term** [MCF18]. **MIDI** [WL19]. **MIDI-Trained** [WL19]. **Min** [SD16a]. **Min-max** [SD16a]. **Minimal** [MSD14]. **Minimax** [Non14]. **Minimising** [SZW23]. **Minimization** [CY15, GCJ+14]. **Minimum** [ABKP19, FJT+23, JT15, RMBK14, WGLZ21, WST+21, WK16, ZPO+21]. **Minimum-Volume** [WGLZ21]. **Mining** [GLT23, LLWC21, XLG+23]. **Misarticulated** [MP20]. **Misequalization** [LC16b]. **Mises** [ATP15]. **Mismatch** [CS23, LWK+22, SH14a, SAB16]. **Mismatched** [DCLHJ18]. **Mismatches** [BC18, WCI6a]. **Mispronunciation** [HXWS15, LSL19, PL+18, QMS16]. **Miss** [GA20]. **Missing** [IO19, NSNN20, WED17]. **Mitigating** [LC24, NWM16]. **Mixed** [BATS21, CM18, CH14, DLY+19, GDC19, HLL15, HY1+15, LSW18, TZZ+15a, YXY+21]. **Mixed-Bandwidth** [GDC19]. **Mixed-Order** [CM18]. **Mixed-to-Panned** [CHJ14]. **Mixed-Units** [DLY+19]. **Mixing** [AJLW14, HY1+15, LBR18, SH17a]. **Mixture** [BDV+14, CWYC17, CY15, DH14, GR14, GHAP17, HSN18, HIA+17, HAGAP15, LMC17, LM22, LGR14, LZ23, MPC16, WDDL17, ZGZ23]. **Mixtures** [BP14, BV16, CH23, DHP14, HJC19, HSN18, KBGAP+16, LKM23, SDDCC15, SMvdP22]. **Mixup** [CJY+22]. **ML** [LLGG20, LG20]. **MMI** [HXL+21, HXC+22, TYW+23]. **MMSE** [ET18, KBG16b]. **MMSE-Based** [KBG16b]. **mmWave** [OWW+23]. **mmWave-Based** [OWW+23]. **Mobile** [TZW21, GH23b]. **Modal** [AW23, BYT+21a, BMVG17, CHGS23, FSA20, GYXY23, LLWQ24, LLL24, TZA14, TLD+23, WCZR23, WYL+23, YTF+23, ZSC+23a, ZLL+24a, ZCQ+19]. **Modality** [CLHK21, GYXY23]. **Mode** [UKS19, WWG+23, ZCF14]. **Mode-Matching** [UKS19]. **Model** [AR+16, AJLW14, AMK+20, BVD+14, BDL15, BCA15, CONNC18, CW18, CH16, CWYC17, CWCP17, CY+18, CJY+21, CW15, Chi15a, CDA+14, CS23, DV14b, DLY+19, DHD+19, DwWM14, DLG18, DJY+19, DDZS17, DFY+24, DBM15, DDNN19, FLL+23, GTS+19, GLWQ22, GWQ23, GR14, HSN18, HIA+17, HDW+23, HOF15, IO19, JFG+17, JBTA19, KSL19, KNBC19, KMAB18, KKK15, KG+16, KHHJ19b, KGG19, LLR+16, LWJ19, LG19, LTWT17, LRWG23, LLWC21, LK14U14.


Model-Agnostic [LM23a].

Model-Based [BCA15, CW18, GWQ23, KNBC19, KGH+16, MBD18, OOK17, SGH17a, WB18].


Modeling-Based [CC15, DDNN19].

Modelling [DY22, HKM+24, LYB+23, ONKP16, SFIL17, WZC23, WK16, XZFN23, ZS+23].

Models [Abd18, AVK+15, ACRS14, AGBC14, BYT+21a, BS14, CAFFR23, CPCBFSF16, CLW+16, CLW+19, CHL+24, Chi18a, Chi15b, CJK21, Cum15, CL18b, Cum21, DOL+23, DKO+18, DBK15, DSN18, DWX+16, DH14, GMH14, HSPK18, HK24, HH14, HY1+15, IBN+18, JGSC+22, KKL17, KGW17, KK19a, KW23, KPA+24, KCL21, LGTG18, LBR18, LCLS19, LCW+16, LL21, LGR14, MGB18, MASC23, MLC+23, MZM15, NW15, OCS21, PCW15, RV17, RWL+23, SV18, SFRK+23, SS22, SHL+21, SWEV23, WTY20a, XHW+17, XYH+21, YKL+23, YCL22, ZM17].

Modern [PKR+24].

Modification [DAR16, MCF21, SSS22, TKT17, ZS+23].

Modifications [EZS14].

Modern [PKR+24].

Modiﬁcation [DAR16, MCF21, SSS22, TKT17, ZS+23].

Modulated [HSK17].

Modulation-Based [HSDK].

Modern [PKR24].

Modiﬁcation [DAR16, MCF21, SSS22, TKT17, ZS+23].

Modulated [HSK17].

Module [LJH+24, ZQ+23].

modules [Den14].

Mongolian [LSB21].

Monaural [BS21, CH15, CY16, DW17, DB19, FBE19, GvdP23, HKHS15, JSYW16, KH24, LSHM19, LZL+21a, LW19, MW19, NK21, SWCN19, TOS14, TWC19, TW20, TWT20, WBL21, WZLG+23, WW16, XGKM18, YDW+21, ZW16b].

Mongolian [LSB+21].

Monolingual [PM15].

Montage
Moog [DV14a, DV14b]. Morph [MK15a]. Morph-Based [MK15a].

MorPhEMe [QVZY24]. Morphological [FOBP15, HBF+16, LLR+16, LSB+21].

Morphologically [ZP15, dICSVAGAPM15].

Morphology [LHZ+24].


Movements [KCMW17, MMB17, TGGE21, YLLC19].


MSMC [GXW+23]. MSMC-TTS [GXW+23]. MSSstyleTTS [LZC+23].


Multi-Codebook [GXW+23]. Multi-Compositionality [DWX+16].

Multi-Conditional [May18]. Multi-Cue [XCHX24]. Multi-Data [JQ24].

Multi-Device [HWRCC1].

Multi-Dimensional [DCZ19].

Multi-Document [AGC23, YW14].

Multi-Domain [BM21, JGHN23, LWLL24, LZ23, MHD+24, RC23]. Multi-Factor [QTY16]. Multi-Feature [ZDG14].

Multi-Frame [DAR16, SIKN23, TD23, ZXY+21].

Multi-Genre [DHD+19]. Multi-Grained [HCC+23, ZSC+23a, ZZD23].


Multi-Layered [JJ14]. Multi-Metric [LYZ+14].

Multi-Microphone [DMMvW20a, PC19, SNTD19, SGH15b, VH19, ZCDH21, ZLLZ23, WWW21].

Multi-Modal [GYX23, LLL24, TLD+23].
WCZR23, WYL+23, YTF+23.
Multi-Motion-Informed [AF23].
Multi-Objective [ZF+23].
Multi-Style [VZC14].
Multichannel [BP14, BIK+18, Boy15, CONVC18, DDDN19, EMM18, RNT+23, HCBY18, HdhTJ22, HBCC22, IBN+18, IISN21, KSK+15, LPHCB14, LBR16, LBR18, LGGH18, LGGH19a, LGGH19b, LZHN14, Lin18, LFDG14, MYKO24, MUT+20, MTKS21, NDV18, NLV16, OJY+14, QL24, RKL14, SWW+17, SEM+14, SK16a, SBN+19, SMVW14, SBM+19, TH17, TG21, TE23, TS14, WYO23, WCC+21, WGLZ21, WYY22, WYY24, XMBN18, XMBN21, YK14, ZDLK18, dSCB24, dCBC23].
Multiformat [Sug22]. Multilayer [NXH+17].
Multilingual [KMG21, LYY+23, LCC23a, SV17, YCS23, ZHX+16, ZLL+24b].
Multiloudspeaker [FWF17].
Multimodal [Ano17-58, Ano16g, Ano16h, Ano17i, Ano17m, Ano17n, Ano17o, Ano17p, Ano17q, Ano18l, Ano18m, Ano18n, Ano18o, Ano18p, Ano18q, Ano18r, Ano18s, Ano18t, Ano18u].
Multimicrophone [GVMGO17, KHHJ19b, SGH16].
Multimodal [CCF+21, CHGS23, CLW24, CCC+24, DTC17, GM17, HQTX23, HM14, KS21, LLZ+21c, LCRY24, MXH21, NK22, SFEB23, SLH17, VSK+24, YJX20, ZKKC22, ZWS+23].
Multiobjective [WDDL18]. Multipitch [SY15].
Multiple [AHSS+18, AT16, AM18a, BA16, BCA15, BOL+18, BBFS21, BG23, CQH18, DCZ19, ESJ17, HEMN21, HAS21, HZL23, JYB+15, KLC11, LG17, LWZ+14, LAK16, LGHG17, LWL+21, LJWC23, MMB17, MA21, MGK17, NR14a, NYS17, OV21, PH16, SLOV15, SSS18, TOS14, TS16, WED16, WLZH21, XNP+18, XPC+22, XDC+17, YLPL19, YZCW21, YZLY17, YHO+17, ZA14, ZH15, ZJD+15, KMG17].
Multiple-Choice [KLC11].
Multiple-Integration [WLZH21].
Multiple-Speech-Source [LJWC23].
Multiplicative [FK19, HBB17].
Multiplicity [PBC16].
Multitask [YLJ16].
Multiresolution [DG23, NKS21].
Multiscale [KDY14, LCC+24].
Multisession [GH17].
Multisource [BSTM21, LMC18, WRK18].
Multispeaker [SGH17c].
Multistage [ZHC23].
Multitalker [KYTJ17, SMvdP22].
Multiview [DR22, GFG+14, MAST15, MBD+15].
Multizone [AKUS23, CH14, DRK18, JK15, RBR16].
MuSE [KKJK23].
MuSE-SVS [KKJK23].
MuseMorphose [WY23]. Music
[AS17a, AB15, BPG23, CWYC17, CMD+23, CDW16, DHYG14, GGL23, HJC19,
HNT+23, JSYW16, JLP+21, KM23, KHCW15, KG16, LSW18, LSH+23, LCZ23,
LY23, MV23, NWM16, NNS16, NYS17, PKA14, RV14, RLS+18, RRdM16, SBV17,
SFRK+23, SBD16, SY15, TOS14, TP22, VML14, WY23, WLF23, YBC+14, ZM21,
ZCYZ18, BAS20, HAS21]. Musical
[AVG24, ARW+16, AB14, FMD14, MP16, SCY22, SHG21, WED16]. Musically
[OM24]. Musicians [TP22]. MusicYOLO
[WTY+23]. Mutual
[IIY16, JT14, KHK17, KNH+17, MYT+19, RMBK14, TM14, TM16, TK14]. Mutuality
[SCCM23]. MVDR
[AVM19, GM21, HMDG15, HIA+17, PC14, SM14, TD23, ZCHH18, ZXY+21].
MWF [ZL21a]. MWSG [KMG17].
Named
[FLC+23, FLY+23, LWCC21, QZLH21, XHS+18, ZWW+23b, ZCY+22]. Names
[MK15a, PBQ15]. Narrow
[AA17]. Narrow-Band
[AA17]. Narrow-band
[AS15, CE14, FK19, HFL+23, HK123, JTHN14, LC16b, MX17, ZLSC23].
Nasalized
[VAP19]. Native
[DKDN20, LCSL19, Lib21].
Native-Nonnative
[Lib21]. Natural
[CSJD16, CWH+16, CHL+23, JWH+22, LFH+15, LHL+23a, LLC+23b, NLYK24,
RG15b, RLK14, SHD14, SHW22, WCL+23, XWY+23, ZMX+21]. Naturalistic
[DSH18, KSH17]. Near
[ATP16, BNA24, FJT+23, HCJT15, LMGG21, LY21, MF18, PC19, VAH19, ZSIA16].
Near-End
[BNA24, FJT+23, HCJT15, LY21, PC19]. Near-Field
[ATP16, LMGG21, MF18, VAH19]. Nearby
[YKPMP18]. Nearest
[BG21, DZD+24, MSD14, SDK17].
Nearest-Neighbors
[MSD14, SDK17]. Nearest
[BG21, DZD+24, MSD14, SDK17].
DGMB21, DQY18, DTDL16, DG23, FdDPG21, FB18, FB19, FWT+18, GLT23, GBL24, GWG+14, GTSM24, GRSP17, HXL+21, HCY21a, HXC+22, HZBW23, HLSB23, HKHJS15, JGM23, JG19, JWL14, KWGW17, KK19a, KYTEJ17, KH24, KEzW21, KSHH18, LC16a, LS14a, LY21, LWZG21, LdLvWWS21, LYH+22, LAGD18, LB16, LFQL19, LR17, LCTA19, LLL+23, MGB18, MZI+15, MDY+15, MLL16, OS21, OCS21, PS19, PDS+16, PZW+21, PPM+24, PHM+17, QYCT23, QBTY16, RVVM22, SWW+17, STS18, SHAGPRZ17, SF18, SHJT21, SHD14, SH17a, SFW23, STBC17, SWCN19, SNS15, TWZ+18, TCW19, TW20, TWIN23, TCY15, VDH24, VMOL16, WAS14, WS14, WDDL17.

Nonparametric [Chi18b, LM15, MIYO14, TVJ15].

Phase-Uncertainty [PCG17].

PhaseDCN [ZWZ’21].

Phone [LRP’23, WWG’23].

Plane [DCLHJ18, DY22, Kam23, rLcHeC’22, LCB’23, WSV14].

Phoneme [BSWP18, CMY16, CB21, KBG’23, LNNL22, LHD16, SFDRB21, WSZN21, YCM’21].

Phoneme-Based [LNNL22].

Phoneme-Unit-Specific [CB21].

Phones [ZLZ21].

Phonological Placement [LSB’21, ZP15, ZGO19].

Phonology-Augmented [NNC19].

Phrasal Planning [ABB’21, 23].

Pitch [BTBT18, FWM’21a, 14a, GB14, GJ22, HAGSZ16, HW14, KLK23, KAJC16, Lin19, MTBB15, RDP14, SM18, WYH17, WAIJ15, WHO’21, WHT’21, YWT23, ZZN’16, DHP14].

Pitch-Controllable [YWT23].

Pitch-Dependent [WHO’21, WHT’21].

Pitch-Synchronous [SM18].

Pitch-Time [MTBB15].

Pitched [Ziv15].

Pitchman [Chi15a, RV14].

Pitman-Yor [RV14].

Pivot [ZLZ21].

Placement [GFS22, KBV16, KCD20].

Planar [ABB’23, BBJ18, CT14, HCB20, SPM17a, SPM17b].

Plane [ADM’19].

Planning [RLK14, YLFL22].

Platform [GH23b].

Platforms [KAA’24].

Playback [GLQ21].

Playing [SLY14, WBLC22].

PLCA [AB15].

PLDA [Bor22, Cum15, CL17a, CL17b, CL18b, LM15, LMC17, MPC16].

PLDA-Based [CL17b].

Plots [CLL’21a].

Plug [HCKW23].

Plug-and-Play [HCKW23].

Plus [HOF15, WYF’22].

PN [XNP’18].

PNCC [KS16].

PNLMS [DC16].

PoE [ZDZ’23].

Point [FB18, KCMW17, MP20, XO16].

Pointer [SZW23].

Points [JWBR21, LYH’22].

Polarities [XNP’18].

Pole [SD16b, SKH’15a, VP17].

Pole-Zero [SD16b].

Policy [RC23, SWC20, ZYW’24, ZTC23].

Polyglot [CHWL14].

Polynomial [CC15, MJZ15, NEN21, NEWN23, YSC15].

Polyphonic [AGM23, AB14, AB15, BLLP17, GGL23, HWT’17, KG16, MBTB14, NYS17, NR14b, ONKP16, SBD16, SY15, ZCYZ18, rPH’17].

PoLyScriber [GGL23].

POMDP [GY14].

POMDP-Based [GY14].

Pool [MSB18, OGI20, SR16b, YDW’21, ZSH20, ZDZ’21].

PoP [HNT’23].

PoP-IDLMA [HNT’23].

Popular [SBV17].

Port [BBFS21].

POS [LZC’14, LCZ’17, ZYL’18, ZYF18].

Position [Non14, TH16].

Position-Selective [TH16].

Positions [BA16].

Positive [LSYN19, TLD’23].

Post [BBC’16, DLL’21, May18].

Post-Editing [BBC’16].

Post-Filter [May18].

Post-Processing [DLL’21].

Posterior [CY15, Cum15, LLLL19, CPL14].

Posteriorogram [ZGO19].

Posteriors [KLK17].

Postfilter [SH17c, YKPMP18].

Postfiltering [CRVB’15, MD18].

Postfilters [TTB’16].

Potential [MK15c].

Power [Ain16u, Ain16v, BKS’18, CC14b, COH18, GTSM24, GI15, KS16, KD18, LKHU14, MIYO14, MPAEBLB15, NCB23, QDSL19, SAB16, SK15, TWSS16, WGD15, WLF23, YLD15, diCSVAGAPM15].

Power-Law [SAB16].

Power-Normalized
Pre-trained [CHL+24, KWZ+24].
Pretraining [GCG21, HHW+21, LZD+23].
Prewhitening [BvWWM17]. Primary
[HTG14, HG1T5a, HG1T5b, LLS24].
Primary-Ambient
[HTG14, HG1T5a, HG1T5b, LLS24]. Primary
[SLC+15]. Principal [IIY16, ZGL+20].
Principle [LWK+22]. Principled [RGK24].
Prior [BV13, CWUS22, CS19, HNT+23, HIA+17, KGG19, MPC+24, PS17, SBN+19, XFI+23, YG24]. Prior-Based [MPC+24].
Prior [AVM19, CH15, EMTF17, SFK15].
Priors [DBLC20, ET18, FK24, JvWGD15, LBR16, RG18, SLL+16, WYY24]. Privacy
[DRK18, NM21, RSR+19]. Privacy
[DRK18]. Privacy-Preserving
[NM21, RSR+19]. Private [OFF+17].
Probabilistic [BCA15, CPL14, LBR16, MG18, MG19, TWSS16, WLL15].
Probability [KGH+16, MWT+23, PJTJ24, TDL19, WSM19, ZLZW21].
Probability-Aware [MWT+23]. Problem
[AM18a, AKN+16, DCY22, DDM+20, GWCT23, HGYN23, KHHJ19a, FWS+23, SDDCC15, WZH22, ZZXH22]. Problems
[HLG+22]. Procedures [TD23]. Process
[GLWQ22, HSN18, JRA17, RV14, TJV24, TP16, XO16]. Processed [AdHTJ16].
Processes
[GY14, KK19b, MIYO14, NNL15].
Processing
[PWS+23]. Realistic [SP15]. Reality [RG15b]. Reallocation [ZSA16].
Reasoning [LSG+23a, LLC+23b, WZZ+24, WWX+24, ZZJ+23, ZLZ+24, ZBW+24].
Recall [LQW+24]. Receptive
[CE15, KEzW21, WWS+18]. Recognition
[AHMJ+14, AZK15, Abd18, AB18, AS17b, ACRS14, AZGNI4, BVG15, BDY+14, BYT+21a, BYT+21b, BHS+16, BSWP18, CWL22, CDLL21, CM15, CLW+16, CWYC17, CDLX18, CLW+19, CCH+21, CB14, CP21, CLSyL21, CL14b, CL17b, CL18c, DHZ+19, DXZ+18, DXW+23, DB15, DCLHJ18, DH14, DZF+23, DG23, ESKV17, FSA20, FYT+21, FCCA23, FZM24, FLMS16, FN19+19, FLC+23, FLYJ23, GFG+14, GDC19, GH15, GBBH16, GH17, GH23a, GWL+24, GJ17, HK24, HLL15, HYI+15, HZW+22, HZC+22, HSWC21, HXL+21, HHC16, IK23, JK19, JGD+24, JGSC+22, KGP14, KH21, KS16, KCMW17, KBG+23, KTH+20, sLGyLaC15, LKC+21, LFO+24, LKhu14, LWZ+14, LDGHU14, LS14a, LWZZ16, LW+20, LWCC21, LWK+22, LDC+23, LSH+23, LLIWQ4, LLI21b, LWYD23, LWY+23, LH14, LS14b, LK16, LGH+21, rLHC+22, LSG+23b, LKR23, LLL24, LB19, LGR14, LR17, LFM+23, MWT16, MK15a, MCL22, MHD+17, MC17, MH16, MAK15, MAK16].
Recognition [MTS+19, NY17, NW14, NXCL16, OS21, OHH16, PSL+16, PRK+24, PHS+24, QTY16, QBTY16, QZLH21, QZ22, RGR+22, RPK23, RH18, RWF16, RGK24, SAB16, SV17, SP16, SSW+17, SHYJ21, SSFL22, SGY+24, SAS17, SFIL17, SSSL21, SCY22, SMB+19, SHDG16, SSSP16, SLK17, SKM17, SKAK16, SK16, SBG17, SLW15, SLW20, TD16, TQH+18, TLVW17, TB18, TYW+23, TR14a, TZA+23, TDL19, TP22, WS14, WW16, WWS+18, WLT+18, WTW20, WBLC22, WH22, WCRZ23, WWLL14, WYSD15, WL19, WCL+21b, WK24b, XH23, XDH+17, XHS+18, XLLY18, XYH+21, XAHJ+14, YLQZ24, YTWB19, YLK+21, YZW+21, YCL22, YHL+23, ZFY14, ZCDS15, ZH18, ZS20, ZWS+23, ZWZ+23b, ZJD+15, ZDZ+21, ZLG+22, ZCY+22, ZGC+23, ZZGD23, ZCW+24]. Recognizing
[XDC+17, YsL15]. Recombination
[LWYD23]. Recommendation
[HDZC20, HPB15]. Reconfigurable
[MW12]. Reconstructing [MLP+24].
Reconstruction [CNFG23, ECH23, GGC+17, HKPR21, KFH+14, KG14, LSGL21, MYNO23, PBS17, QLW+24, SSI21, SB18, TWIN23, WFN+18, XWWW19].
Reconstructions [NLL+18]. Recording
[KFH+14, LCLM18, NHK16, SSSL21].
Recordings [AS17a, DA16, KD18, K16, NCC15, SBG17, TS16, WED17]. Recovery
[HLL15, MB18, PK15, SAA15, YLG22].
Rectangular [DAMW15]. Recurrent
[CLC+15, CLW+16, CLHK21, DHD+19, DAGS+18, FYT+21, GBL24, GTSM24, GAPGG19, HKHJS15, KK19a, KYTJ17, LTWT17, LKC+21, LWZG1, LAG18, LCW+16, MDY+15, NTA15, SF18, SNS15, TWZ+18, TW20, TLVW17, WSB+21, YMM19, ZXSID17, ZPW23, rPH+17].
Recurrent-Neural-Network-Based
[LTWT17]. Recursive
[BG23, DDMW20b, DWX+16, DG15, EIPB+19, NN20, RG17, SG14, lShWSL15].
Reduce [ZWTL23]. Reduced
[GT19, HL14, KD24, PCB16a].
Reduced-Order [PCB16a]. Reduction
[ATR+21, AHH+19, AH+19, AM16, AM18b, BH18, CZ17, CSZZ24, CCC21, DST+19, DDMW20a, Emu18, Emu20, HCH23, HBL14, JTHN14, JBC16, KD16, LPHCB14, LGGH18, LFZZ23, MHD15, MD18, MBTR14, NWM16, RBBG15, RyWM22, SM14, SG+15, SEM+14, SG15b, SG16, SG17b, SG17c, SMVW14, SK18, SBVM16, TM16, TK14, UNI+24, WCC+21, WHB+21, YKPMP18, ZCHH18, ZHH18, ZL21a, ZZ22,
[DGCA23, DDBW20, DDBW23, Emu18, Emu20, GLT23, ICB24, Lib21, RBBG15, SSGL21, TQH+18, TCW19, WCCL14].

**Residual-Echo** [ICB24]. **Resilient** [EMXD20, YBC+14, ZZX+21, ZZX+23a].

**ResNet** [WDW+23], **ResNet-Conformer** [WDW+23].

**Resolution** [BP14, BZ21, DTDL16, EV23, KVMV+24, KLC24, KLS+21, KKH16, MPC+24, PP19, RARR15, RF19, SKH+15b, TOS14, VSK+24, WW21, YLGW22, YDW+15].

**Resource** [Ano16-48, Ano16-49, CM15, CSS23, CHL+24, DZF+23, FLYJ23, HLL15, HZW+22, HOE+21, JCY+24, KMG21, KAA+24, KSG24, LHL+23a, LMW+24, LHZ+24, LG14, QZ22, SML+24, SV18, WQ24b, WSZN22, YTW+19, YGS19].

**Resource-Limited** [HLL24]. **Resources** [DBM15, NNC19].

**Response** [ADM+17, BWH18, CCR16, CCTO21, CNFG23, CP21, ÇOH18, GL20, GLL+21, HCK23, JEW+23, JCY+17, KSK21, KD24, KBT19, LX5+18, MYK+24, MMK21, SWC20, TWSS16, XSL+19]. **Responses** [BA16, DGC23, DMP+18, EV23, GS21, KB14, MCD14, TP15, Ter16, VDC+17, YK21b, ZZH21].

**Restaurant** [MMBT21]. **Restoration** [DM16, KSK+15, LLY24]. **Restore** [HCZ24]. **Restricted** [NTA15, NTM16, NTY19]. **Results** [MBK17].

**RETIF** [DDMvW20b]. **Retrieval** [ARSLN16, GLL20, KSL19, yLSL14, sLgyLaC15, LCW+18, PDS+16, RRdM16, SSAS21, SWC+21, VML14, ZM21, ZHX+16, ZLL+24a]. **Retrieval-Based** [GLL20].

**Retrieve** [CQ22]. **Retrieve-and-Edit** [CQ22]. **Reuse** [CXY+19b, LNY21].

**Reused** [ZLX+24]. **Reverberant** [AGBC14, BKTR24, CW18, CAS17, DW17, DDMvW20b, DPH18, FSA18, FSA20, FSO17, FK19, FK24, GWQ23, GAM23, JWR21, JWL14, LKH14, LH23, LMH23, MMB17, MTR21, MGGK17, MCF21, NEN21, SAC17, SWCN19, VBY18, WWL21, WRK18, ZW17, ZWW14, ZWW15, ZWW19, ZM20]. **Reverberation** [BRD15, BB21, BKS+18, CS19, DDBW20, DBN+17, GSB23, HCJT15, KD18, KDJ16, KDJ17, LLGG20, LG20, LBR16, LNY14, Lin18, LLdCF23, NR14a, PLZL17, SH14a, SH14b, SGH17b, VP21, XGM19].

**Reverberation-Robust** [Lin18]. **Reverberator** [PCLP14]. **Reverse** [BRD15, LGL+22]. **Reversion** [RJCW17].


**Rhythm** [GKC16, HS15, MGF15, NYS17, RDP14]. **Rhythm-Based** [RDP14]. **Rich** [SKK14, YZW+18, ZP15]. **Riemannian** [YQCT23]. **Riesz** [AS15]. **Ring** [PC24].

**Risk** [CY15]. **RNN** [CC15, ZN14].

**Robots** [TR14b]. **Robot** [TR14b]. **Robotic** [QWW+23].

**Robust** [TR15]. **Robust** [AGM23, AV16, AM18b, ATP15, ABKP19, AM20, AAT21, BC17, BC18, BE17, BCB15, CATS20, CLZ+23, CCR16, CTO21, CJ17, CCT21, CP21, DMH22, DGMB21, DWY21, DSH18, FYT+21, FD21, GMH14, GWG+14, GI15, GBH16, GCVWM14, GAPGG19, GB14, GJB15, HAGSZ16, HCQ24, HH14, HCBY18, HIA+17, HCZC24, HHC16, HU16, JFG+17, KGP14, KAJC16, KI19a, KIS16, KLC24, KD17, KMG17, KSH18, KHHJ19b, LWZ+14, LDGHU14, LS14a, LM15, LNC21, LTE+21, LLWQ24, LZN14, Lin18, Lin19, LM23b, LETJ21, LHL+22b, MMB17, MGB18, MPAE15, MPC16, MLMT24, MMCF18, May18, MZX+15, MAK15, NW14, NXCL16, NNC21, Non14, PCB16a, QTY16,


Singing [CWJ16, DUR16, GLW20, HHO+21, HL15, IYY16, KKJK23, KG16, MDCS20, MTBB15, NR22, SFDRB21, SW20, TOS14, WGW+23, WTY+23, WZ23, YDW+21, YWW+23].

Singing/Humming [WJ15a]. Single [AM18b, AY15, BXY14, BV23, CDLX18, CH23, DAFS15, DB18, DBN+17, DTD16, FD21, GWW22, GH17, GRSP17, HSPK18, KG14, LK19, LH23, LMH23, LJWC23, LWL+22, MK15b, MK15c, MBK17, PSL+16, PT21, SGM+15, TD23, Ter16, Vp17, WFN+18, WWD14, WDDL17, WYS15, WK18, XGM19, XRXW21, YKPM18, YLL15, ZTBQ19, ZWZ+21, ZTDD23b, ZPP15]. Single-Dependent [DAFS15, PT21]. Single-Channel [AM18b, BXY14, BV23, CDLX18, CH23, DB18, DBN+17, DTD16, FD21, GRSP17, KG14, LK19, MK15b, MK15c, MBK17, PSL+16, SGM+15, WFN+18, WWD14, WDDL17, WYS15, XGM19, ZWZ+21, ZTDD23b, ZPP15].

Smoothness [TOKS14]. SMT [ARSLN16].
Snapshot [Ter16]. Snowman [MPKS+23].
SNR [AY17, BV23, CH15, EMTF17, ET18, 
HBLIC14, KK14, LM15, MK15b, RG21, 
SFK15, SLGZ15]. SNR-Based 
[RG21, BV23]. SNR-Invariant [LM15].
Social [KAA+24, ITWT17, SFEB23, 
XHS+18, ZZH+18]. 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, Ano17-47, 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 [Ano19a, Ano19b, Ano19c, Ano19d, SOCP 
[HGYN23]. Soft [CJY+22, LCSL19, ZH19].
Soft-Target [LCSL19]. Softmax [LKC+21].
Softmax-Free [LKC+21]. Solo [AS17a].
Solution 
[FB19, LWK+22, PCB15, dCBC23].
Solutions [NV21, WW15]. Solving 
[GWCT23, LGL+22, SDDCC15, ZZXH22].
Some [ZP15]. Song 
[DHYG14, HC19, SW20, WY23]. Songs 
[FDK15]. Sorority [SP17]. Sound 
[AKUS23, AGM23, APH14, AM18a, 
ADM+17, BRC24, BOL+18, BLLP17, 
BvWm18, BAS20, BAS21, CONNVC18, 
CC21, CSY+21, CPSFC+14, ÇÖH18, 
DCZ19, DMHZ22, DVO+23, DGMB21, 
DGMB23, DWY21, DTC17, DHP14, EJ16, 
FPTJ17, FPTJ18, FFP+22, GFS22, GMD24, 
HWT+17, HHZ+21, HFVF20, HPKR21, 
HAS21, JGM23, JC17, KM21, KMM+18, 
KV16, KB17, KK23, KNH+18, KSU+19, 
KMG17, KXS+19, KBD20, KBI+21, 
KGBPM24, LRT+16, LGT16, LSNC21, 
LCL23a, LFWZ23, MGB18, MAZ21, 
MTNR21, MFH17, MSS17, MJ18, MAHZ22, 
MBM15, MAB+16, MMM23, MS23, MSB18, 
MZX+15, MDE+19, MNFG09, M020, 
MR20, NV14, NDV8, NHK16, OR16b, 
OFF+17, OBP+24, OY+14, PS19, PZW+21, 
PLZL17, PSL17, PG17, PMA+21, RBR16, 
RVI+17, SLZ+21, SSKP16, SPM17a, 
SPM17b, SBG17, TKS14, TOS14, TH14, 
TH16, TON+22, TP23, TSKO20]. Sound 
[UKS19, VDM15, WYO23, WWS+18, 
WDW+23, WK24a, WAS16, WSFS19, 
YLPL19, YLL21, YYW+23, ZA14, ZPD19, 
ZSC+23b, rPH+17, Ano16-52, Ano16-53, 
Ano16-54, Ano16-55, Ano16-56, Ano16-57]. 
Sound-Based [TON+22]. Sound-Class 
[DVO+23]. Sound-Field [KMM+18]. 
Sound-Quality [BvWm18]. SoundBeam 
[DVO+23]. Soundfield [DRK18, ECH23, 
FSA20, JK15, MAST15, TZA14]. Sounds 
[CD+14, NK21, SCY22, TMKO17, ZH19]. 
Soundscape [DR22]. SoundStream 
[ZLO+22]. Soundtracks [PW+23]. Source 
[AV16, AB21, APH14, AM18a, AJJW14, 
ATP16, AB14, AB15, BAS20, BAS21, 
BG23, CBA+15, CONVVC18, CW18, 
CZY+18, CSY+21, CSY19, CY16, CK19, 
ÇÖH18, ÇH21, DCZ19, DMHZ22, DCAS22, 
DMGB21, DMVW20b, DDNN19, EDO17, 
FSA18, FSA20, FSO17, FPTJ17, FPTJ18, 
FK19, FK24, GVMG17, GJYW23, GH23b, 
GvdP23, GRSP17, HNT+23, HAS21, 
HKHS15, IBN+18, ISN21, JSYW16, 
JVR16, JWB21, KK23, KOS+16, KNH+18, 
KMG15, KCD20, KGBPM24, LKPR18, 
LGT16, LGT17, LBR16, LBR18, 
LLZ+21b, LTE+21, LH23, LKM23, LMH23,
LSZ23, LJWC23, LLL+22, LHM21, LLL+23, LY23, MGB18, MBD18, MV19, MMT+19, MAZS22, MYK+24, MTKS21, MTK+20, NKS21, NSA21, NK22, NV14, NSNN20, NLV16, OOK17, OVH+22, OY+14, ÖM24, PCB14, PZW+21, MG18, RJCW17, RJW19, SOF15, SDF18, SFRK+23, SGH17c, SGH17a, SP17].

**Source**

[SSGL21, SSL+16, SHG21, SLOVB15, SPM17a, SPM17b, SWCN19, SS18, TH18, TS14, TWSS16, TE16, UNI+24, VAH19, VHBS21, WW21, WRC16, WHRC16, WC18b, WTY20a, WGLZ22, WYY22, WH22, WWX+23, XWW21, YG24, YLPL19, YLL21, YZCW21, YPH23, YZLY17, YWT23, ZH15, ZZL+23, ZZP15].

**Source-Filter**

[LLL+23, WTY20a, YPH23, YWT23].

**Source-Specific** [SLI+16].

**Source** [AKB+16, BOL+18, BH19, CATS20, DSG15, DMB23, DG15, DTC17, JC17, KN1+17, LWZ+14, MMB17, MBA+16, MGGK17, NDV18, NHK16, OV21, OY+14, PH16, TH18, WCCB19, WAS16, ZZZ+21].

**Speakers**

[BDL15, CPGL24, CL14a, FLL+23, FGQ+15, HBI7, KMAB18, LFH+15, LM23b, LSLK24, MAST15, MBA+16, MFG15, MBD+15, PKP+21, PMB+20, PC19, SYG+24, WZL+15, WSH15, ZAZ+18, ZYD+23].

**Spaces**

[LYZ22, TXH+23, WBS18].

**Sparsity**

[LLH22, MAB18, MBD18, MV19, MMT+19, MAZS22, MYK+24, MTKS21, MTK+20, NKS21, NSA21, NK22, NV14, NSNN20, NLV16, OOK17, OVH+22, OY+14, ÖM24, PCB14, PZW+21, MG18, RJCW17, RJW19, SOF15, SDF18, SFRK+23, SGH17c, SGH17a, SP17].

**Sparse-Echo-Path** [ZG17+23]. **Sparsely** [SMSV17]. **Sparsity**

[AGBC14, Bay15, GJYW23, GaKGB21, JYB+15, LGHG17, NZL23, ONK16, TH18, XZB+24, ZZLZ19, ZTDD23a].

**Sparsity-Based** [GaKGB21, TH18].

**Sparsity-Driven** [ZTDD23a].

**Sparsity-Promoting** [NZL23]. **Spatial**

[ATIP16, ABKP19, BKTR24, CNV18, CH18, DMVP16, DGCA23, FLB16, FK24, HGT16a, HGT15b, HIA+17, IO17, INB+18, KMG15, KBI+21, LCL23a, LGGH17, LLS24, LAP23, MF17, MUT+20, NV14, OZG18, PACP17+23, PAB19, QL24, RKN14, SAC17, SIKN23, TZA14, TH14, TH16, TG21, TTH14, TQM+23, TSKO20, VH24, VDM15, WW19, WSFS19, YLPL19, ZHH18, ZHB+18, ZG17+20, ZZZ+21].

**Spatially**

[ATIP16, BKTR24, CNV18, CH18, DMVP16, DGCA23, FLB16, FK24, HGT16a, HGT15b, HIA+17, IO17, INB+18, KMG15, KBI+21, LCL23a, LGGH17, LLS24, LAP23, MF17, MUT+20, NV14, OZG18, PACP17+23, PAB19, QL24, RKN14, SAC17, SIKN23, TZA14, TH14, TH16, TG21, TTH14, TQM+23, TSKO20, VH24, VDM15, WW19, WSFS19, YLPL19, ZHH18, ZHB+18, ZG17+20, ZZZ+21].

**Spatially-Regularized** [UNI+24]. **SpatialNet** [QL24].

**Spatial-Temporal**

[AD17+17, CNFG23, JCB15].

**Speaker**

[AS17b, ASX22, ADLX23, ALH+21, BWZC22, BHP+23, BOSR23, BJ24, BSW+24, BSTM24, Bor23, Bs21, CLA+21, CWL22, CB15, CB21, CWZ+23, CYY+24, CH23, CL14b, CL17a, CL17b, CL18b, CL18c,Cum21, CS23, DMSM21, DAGS+18, DAFS15, DXW+23, DBC20, DQY18, DPHG18, DGCY23, FL19, FMB16, FNM+19, GH17, GHAP17, GZG23, GGZ23, HCC24, HN14, HMO21, HLL20, HEMN21, HW23a, HW23b, HGBA15, JG19, JKC+24, JJB16, JKL18, KHYK22, KVMV+24, KH16, KH21, KMI18, KCMW17, LGT18, LCLM18, LM15, LW23, LMC17, LGHG17, LW+22, LWK+22, LLHW24, LLY+24, LCWC16, LM22, LM23a, LM23b, LH14, L19, LCQ23, LSLK24, LSTK21, LCM18, LLI+23, MZ23, MPC16, MUK22, MZM15, MWC+23, ZG17+23, ZKDS18, ZZL+23].
MMR°22, MH18, MSD14, NTY19, NDS°23, O'S24, PKP°21, PBQ15, QWW°23, QCL23, RSR°19, RH18, SH14a, SAB16, STH°18, STS21, SIUW21, SDK17, SHJT21, STT°19.

**Speaker**
[SG14, SHCV23, SCY22, SG21, SCW21, SKAK16, SAK16, TMM18, TMMZ18, TJWV17, TLD°23, TCY15, TMH°14, TM22, VMOL16, WW19, WHQY19, WWL21, WCW°21, WH22, WYZ°23, WLT24, WDD°16, WLL°22, WK24b, XHL18, XRWL21, XSC°23, XCHX24, YLQZ24, YB14, YH17, ZG21, ZSB17, ZCY16, ZKH21, ZLD20, ZQZ°23, ZWL°23b, ZWW14, ZWW15, ZT21, ZM23, ZLL°24b, ZEM18, ZM20, VZC14].

**Speaker-Adapted**
[DAGS°18].

**Speaker-Adaptive**
[HGAPB15].

**Speaker-Aware**
[ADLX23, MZZ23].

**Speaker-Dependent**
[NTY19].

**Speaker-Independent**
[KCMW17, LCM18, LLL°23].

**Speaker-Normalization**
[SIUW21].

**Speakers**
[HWG°23, LIA18, LIn19, NR14a, ODNA23, SCEH19].

**Speaking**
[CHC°14, JBTL15, LLC°24, LCWC16, TMH°14].

**SPEC**
[CSS23].

**Special**
[Ano16-50, Ano16-51, Ano16-52, Ano16-53, Ano16-54, Ano16-55, Ano16-56, Ano16-57, KSG°21, LFH°15, RYB°17, SHKB17].

**Specialized**
[ACK21].

**Species**
[JK19].

**Spectral-Amplitude**
[KTJ19].

**Spectral**
[ECJF21, MD16, NXL16, SGA15, vHK14].

**Spectral-Temporal**
[ECJF21, MD16, NXL16, SGA15, vHK14].

**Spectrogram**
[SK°15, KMG17, PSL17].

**Spectrograms**
[AS15, BIK°18, BV16, CAFFR23, DSMD15, HFL°23, MIYO14, TOKS14, TOS14].

**Spectrospatial**
[TWW22].

**Spectrottemporal**
[ATS18].

**Spectrum**
[HGT15a, HHC16, LLS24, MPAEBLB15, SL19, SKH°15a, TTB°16, VM15, XNRL15, XNP°18, YLPL19, YWDQ21, YLQZ24, YMM19, ZTM°23].

**Spectrum-Based**
[XNRL15].

**Speech**
WTY18, WB18, WDDL18, WC18a, WLT18, WTW20, WTY20a, WTY18b, WWL21, WWW21, WCW18, WW21, WW22, WWG18, WCR23, WZG18, WWWR23, WCC18, WWY24, WTHJ14, WYSD15, WJ15b, WWW16, WW17, WRDP17, WSM19, WHLG14, WZ15, WK16, WCL19, WCL18, WCL15, WZC18a.

XRWL21, XZF23, XYY, XMBN18, XMBN21, YBC, YH21, YLLC19, YZW, WWL21, WWW21, WCW18, WMY21, YPC18, YB14, YLL15, YTWF19, YGV14, YZL17, YLK18, YHO17, YHO18, YH21, YLLC19, YZ18a, YCL18, ZCF14, ZG18, ZH14, ZFC18, ZFC14, ZCDS15, ZW16b, ZG16, ZZN18, ZW16, ZW17, ZS20, ZL21b, ZXY18, ZNZ3, ZWZ18, ZCHD21, ZZZ17, ZTDD3a, ZW23a.

Speech [ZLL18, ZSC18, ZQQ18, ZWC18, ZZS18, ZTDD23b, ZQA23, ZLF19, ZWW19, ZDG021, ZSL22, ZZZ19, ZAL24, ZJD18, ZTL21, ZLD21, ZLQ22, ZZZ24, ZGC23, ZTM23, ZZZ23, ZCW18, ZLL24b, ZSA16, vN18, vKB23, VZC14, BB21].

Speech-Aware [VHH42].

Speech-Distortion [AML18].

Speech-in-Noise [SSZ12, ZIA16].

Speech-Music [BP23].

Speech-to-Speech [DTN17].

SpeechFormer [CXX18].

Spell [NCC21].

Sphere [BKK15].

Spherical [AB21, AR16, ATP16, CNGF21, CM18, DMV16, EJ16, FSA18, FD21, Hao14, HM17, HAGA12, HZ17, HZ18, JTH14, JSR16, JEP16, JC17, LAP23, MMS20, MTKS21, NR14a, NEW23, SSTS18, SAC17, SR14, SWW15, TP15, T16, TJV24, VAH19, ZKA15].

Spherical-Harmonic-Domain [MMS20].

Spiking [CLAG16, PZW18, XY18].

Split [LY23].

Spoken [AN16-50, AN16-51, CTLL17, CL18a, FLMS16, HS15, KG17, KTH20, KCL21, yLS14, yLSY14, sLYLaC15, LCW18, LLW19, LWW24, MAP14, MWT23, MDY15, QC141, RAB15, RV17, SWH17, SHK17, SLK17, WQZ21, WvdHZ21, WWDW22, WWL14, WZW23].

Spontaneous [HWC17, WJ15b, WHLG13].

Spoof [LSK24].

Spoofed [KYL24, LWS18].

Spoofing [DLL19, DQ18, GG19, KHY22, QCDW17, RPL18, WDD16, YDZ19, YWDQ21, ZLL18].

Spot [LC13a].

Spotforming [TH16].

Spotting [LYY19, LETJ21, WTHJ14, WJ15b].

Spread [HG15, XNRG15, XNP18].

SQL [WLUH21].

SQuAD [LLW19].

Square [DMM20b, JT15, KTJ19, ZH16].

Squared [HL17].

Squares [BBM17, EIP19, KJ21, LH23, ZH14, SOF15, SD16b, SH19, ZGL18].

SR [LC16].

SR-HPM [LC16].

SRMR [F14].

SRP [DS19].

SRP-PHAT [DS19].

SRRank [YW14].

SSAP [HLH22].

SSD [NSY18].

SSVD [ZZX23a].

SSVS [ZZX23a].

SSVS-SSVD [ZZX23a].

Stable [GJC14].

Stably [HK23].

Stacked [DZC21, WK16].

Stacking [ZZN18].

Stacks [BWW18].

Stage [ABB18, GTS19, GRSP17, GXX18, HSP18, HZ17, LLZ18, L Y24, LdW19, LFW23, LLL22, SGM18, SK16, SWCN19, WWD18, XHR12, ZWW19, TOS14].

Stance [WLS18].

Standard [GLW20].

Start [HSP18].

Startle [DMP18].

State [BM21, JHLL18, JGHN23, LWWL24, LB16, LCL23b, MMBT21, MSR14, PC19, SYG18, WHLG14, WLL15, YSC15, ZYL21, ZJD24].

State-Based [WHLG14].

State-Clustering [ZJD15].

State-Space [PC19, SYG18].

Stationary [BP14, DBK15, LSH14, MPA16, NJC16].

Statistical [AQB18, AKN18, BY15, BRL15, CRVB15, CZY18, GJB15, HFL18, HSZ18, JBT19].
KK19a, KK19b, KBG16a, MHPB15, MSD14, NNC19, NAK+17, RLK14, STS18, SYKL21, TTB+16, TKT17, TZZ15b, WZL+15, WTY18, WTY20a, WTY+20b, WK24b, XZW15, YYE17, ZLLS16, ZDLK18.

Statistically [BNA24, EZZ14]. Statistics [BV23, JSMD18, MKMDM17, NJC16a, OL15, TS14]. Status [LXK+21, XXW24].

STD [LCZ+19]. Steerable [BJA19, CMM+23, WC16a, ZHCB21, ZZL+23].

Step [OH18, TWSS16, ZDD21].

Steering [CSV+21, CP21, JHW+21, SNTD19].

Steganalysis [LJK17, LWLS24, PLQ23, TQM+23].

Steganography [AGW15, DFY+24, LJK17, LWL+21, LWLS24].

Step [AA17, CC14a, CGL+24, CC14b, HZF18, KKJN17, TM16, ZHZ16]. Step-by-Step [CGL+24]. Step-Size

[AA17, CC14a, TM16, ZHZ16]. Step-Sizes [KKJN17].

Stepwise [CGL+24, TL19, YPC+22].

Stepwise-Refining [YPC+22]. Stereo [AJLW14, CHJ14, HTG14, LP22, NCC15, ZZL+23a]. Stereo-Input [CHJ14].


[KG14, MBD18, PBS17, WWWR23].

STFT-Domain [WWWR23]. Stimulation [LWL+19]. Stochastic [LRW23, NC23, WYF+22, WLL15b].

STOI [SW20]. Stops [MP20, VAP19].

Storable [GGZ23]. Storm [LRWG23].

Story

[CLL+21a, LHL+22a, PACP+23, ZHZ19].

Storylines [LHL+22a]. STRAIGHT

[AJB+18]. Strain [CG21]. Strategies [GH23b, HHIKM18, TM21].

Strategy [KM21, LSG+23b, LET+21, MX17, MLP+24, MLL+22, MTS+19]. Stream

[AZK15, LWM+20, LYB+23]. Streaming

[DHP14, IK23, JGSC+22]. Streamlined

[PT14]. Streams [DSH18, TQM+23, XO16].

Strengths [XNP+18]. String [MSS17].

Strings [SAK16]. Strong

[MMM23, OWA15]. Structural [FWR21, SVB17, VCL+23, WLF23, ZKDS18].

Structure [JSB+22, KJK23, MCHW15, MIR+21, TP16, WWX+24, WLX+21, WXS24, ZZZ16, ZLL+17, SYY+18].

Structure-Aware [WXS24]. Structured

[AGBC14, CCT+19, CL18a, CLZ22, DZLGO20, KRR17, KKK15, OS21, PZZ22, PPSG17, RCL18, WYL20, ZKDS18]. Structuring [LSY+14].

Student [DWX+21, ISZ15, LSL24, TDL19, CS19, LBR18]. Studio [ES16].

Study [BML+23, CWW14, CGL+24, CFMM14, FLMS16, GSA18, HF15, JHW+21, KBV17, LHC+23, MBDUV23, PCB14, PKR+24, SKD14, ZCD121, ZLL+22]. Stuttered

[KHE21]. Stuttering [BHH22].

Style

[ASX22, GKC16, GHJ+23, HCC+23, LZZ+23, LLL+24, LSL21, LHY23, NLL+18, SWC+21, WWX+23, WLL14, WY23, ZPD19, ZL21b, VZ14, SWC+21].

Style-Aware [SWC+21]. Sub [CL14a, MTK+20, RARR15, WCC+23, ZLSC23].

Sub-Algorithm [ZLSC23]. Sub-Band [WCC+23]. Sub-Gaussian [MTK+20].

Sub-Set [RARR15]. Sub-Space [CL14a].

Subband

[CD17, FZZ+15, GLQ16, GYD+21, KKJN17, KG+16, Lin19, PZZ22, PPSG17, SM14, YPL21, YHC+20, ZGZ23].

Subbands [MM15].

Subglottal [MVH16].

Subgroup [KPA+24]. Subharmonic [MY+16]. Subject

[Ao17a, RF19, W18, W19]. Subjected

[TM14]. Subjective

[BNvdB+20, BVW21, BRL15, FBE19, GMT19, GTSM24, PCLP14, WHB+21].

Subsequence [ZLZW21]. Subset

[ZCHH18]. Subsources [FR24]. Subspace

[DGCA23, Emn20, GR14, LM15, LSZ23, LGR14, MLP+24, ONKP16, RAB18, SK18,
SGM+15, SP17, SWC20, SBVM16, WYHL20, YCC+24, ZLSC23. \textbf{Systematic} [BHH22, YLJ16]. \textbf{Systems} [AA17, ATR+21, Ano19c, AZGN14, BM21, BLLP17, CE14, CHL+24, Chi18a, CB14, DXW+23, EIPB+19, GAM23, HHMK18, KHKY22, KG19, LK19, LCL+21, LC16b, LCL+23b, LSYN19, MWL22, MSFK15, MMMDL+14, MMR+22, MSD14, MVN22, PKR+24, RKL14, SSK17, TDDN24, WBSG18, WLL15b, XWZ16, YLJ16, YLQZ24].

Teaching [CLC+22]. Teager [ISZA15, KPH15, SH17b]. Technical
[DRFQ14]. Technique [AfD+23, CC14b, ODG16, SLY14, WBL+22, ZZL+23].
Techniques [CLC+15, HWW+16, HHH+21, KEzW21, ŌM24, RG15b, SSK17].
Technology [KS+21, KKG+21, YCC+24, Ano+14, Ano+16]. Telephone
[JMD+17, JRA+17, LWY+23, PMB+20, SKS+14, VP17]. Telephony
[KVM+24]. Tempo [GKC+16, PT14]. Temporal
[AY17, ADM+17, BKTR+24, BSTM+21, CNFG+23, CCH+21, ECJF+21, GMD+24, HS+15, JMG+23, JNP+21, JCB+15, JLKK+21, KM+21, LdLx+WWS+21, LB+16, MXH+21, MD+16, NK+21, NTA+15, NXCL+16, PACP+F+23, SGA+15, SY+15, SWZ+16, TWC+18, TQM+23, VRN+18, WJ+23, XZL+23, YK+17, ZSH+20, vHK+14]. Temporally [LS+14b]. TEND [DDZL+19]. Tensor
[BV+16, BOL+18, MH+16, MTK+21, QYCT+23]. Tensor-Train [QYCT+23]. Tenth
[YCC+24]. TERA [LL+L+21]. Term
[CTL+17, CL+18a, LXK+21, LLL+19, MAP+14, MNC+18, MKMDM+17, NR+14b, PDS+16, RAB+18, YB+14, YZL+17, ZLJ+17]. Terms [WFR+21, YJX+19]. TESA
[BYT+21b]. Text-to-Sound [YYW+23]. Text-to-Speech [Ch+18a, DGC+23, JKC+24, LHC+23, LH+24, MZC+24, PM+19, VBY+18, ZZZ+24, ZLL+24b]. Text-to-SQL [WLZ+21]. Text-to-Text
[HW+23]. Texts [AA+19, BZ+21, WZM+21]. Textual
[BM+15, JG+22, LLT+22, ZHH+23]. Texture
[OR+16b]. TF [WCC+23, YL+19]. TF-GridNet [WCC+23]. TF-Wise
[YL+19]. Their
[JSMD+18, PHM+16, SH+14b, TR+14a, TKH+21]. Theme
[PM+20]. Theorem [LY+23]. Theoretic
[FDK+15, ZM+24]. Theoretical
[AZ+14, Hac+14, HMD+15, HF+15, MHGD+15, PCB+15, TR+14b, TC+22]. Theoretically [JT+15]. Theory
[JS+16, JK+15, LSH+23, QDS+19, WZS+14]. Theory-Inspired [LSH+23]. Thinking
[ZZZ+22]. Three
[ADGE+19, KB+17, UKS+19, WCY+19, WK+24b, ZA+14]. Three-Dimensional
[ADGE+19, KB+17, UKS+19, WCY+19]. Thresholding [ISZA+15]. Throat
[STH+18, TE+16]. Throat-Microphone
[TE+16]. Tied
[CL+18b]. Tilt
[RA+17]. Timbre
[AR+16, DGC+23, WYZ+23, ZQZ+23]. Timbre-Normalized [DGC+23].
Timbre-Reserved [WYZ+23]. Time
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, Ano18v, Ano18w, Ano18x, Ano18y, Ano18z, Ano18-27, Ano18-28, Ano18-29, Ano18-30, Ano18-31, Ano18a, Ano18i, Ano18m, Ano18n, Ano18o, Ano18p, Ano18q, Ano18r, Ano18s, Ano18t, Ano18u, Ano19a, Ano21a, DRFO14]. **Transceiver** [HCY21a]. **Transcribed** [SRT23]. **Transcriber** [GGL23]. **Transcribing** [GMH17]. **Transcription** [AS17a, CDW16, DCLHI18, ES16, KLS21, KG16, MTBB15, NYD17, NYS17, ONKP16, PWS23, SBD16, WTY23, WJ23, WDS23]. **Transcripts** [BLS16]. **Transducer** [GWL24, RPK23]. **Transducer-Based** [RPK23]. **Transducers** [MBHT15]. **Transfer** [ASX22, APWB23, BRD15, BKK15, BHAM19, BNA24, CAFFR23, CG20, DDKN20, FPTJ17, FPTJ18, GSA18, GHJ23, HMDG15, JKC24, KMG21, KMG15, LHYX22, LGGH18, LGGH19b, LWX22, LHC23, LLC24, LHY23, LHYJ23, MBB15, MPKS23, MD16, MNGFO19, MR20, PAB19, R19, SAPB15, SGH15b, SMH14, WYY22, WWX23, WY23, YLL21, YTWB19, ZHH19, ZS20, ZDD21, ZZZ21, ZQZ23, ZMC24, ZLL24b]. **Transferable** [SGL23]. **Transferring** [BYT21a]. **Transform** [AS15, DTL15, LHY23, LCTA19, NXCL16, OWA15, PP19, VH19, WCC2]. **Transformation** [BNA24, LHH24, MH18, WHL14, XYY23, YLQ24]. **Transformations** [CTSC14, CG16, CL17a, CL17b, CL18b]. **Transformer** [FCCA23, GXYX23, KHT21, KCA21a, KCA21b, LLZ21c, LXX21, LPM23, LLJ23, LSWN23, LSL24, LTT21b, LLYL21, LKR23, LLL24, MUK22, SFEB23, WY23, WLF23, YY23, ZYD21, ZWS23]. **Transformer-Based** [ZWS23]. **Transformer-BiLSTM** [LPM23]. **Transformers** [LCG24, SSAS21, VSK24]. **Transforms** [HKHP23, WBL22, ZKDS18]. **Transient** [WAS14]. **Transients** [DTC16]. **Transition** [MLC23, ODSM16, YZL21]. **Transition-Based** [ODSM16, YZL21]. **Transitions** [XZFN23]. **Translate** [XZSX23]. **Translation** [BBC24, BY15, BATS12, CZY23, CWU19, CWUS22, CLSYS21, DZZ24, DFY24, DTT24, DSN18, DCW24, DZZ23, FSN24, GZ24, GYYX23, HSZ21, KCA21a, KCA21b, LWWC21, LWC21, LC21, LTT21, LLZ21, LLJ23, LW21, LFU21, LWC21, LLZ23b, LLL22, LZZ23, LZZ23a, MZ24, MHPB16, MVN22, NSN20, SNK21, SZZ21, GYY23, TZZ21, WZL21, WTZ18, WUF21, WZ24, ZZ23, XWZ23, XWZ15, YYY24, YZ23, ZZZ24, ZZZ23, ZZZ24, ZLL23, ZLS21, ZSC23a, ZWL23a, ZKGC22, ZSS21]. **Transliteration** [NMC19]. **Transmission** [LC16a]. **Transparent** [MR20]. **Transplantation** [CBG15]. **Transposition** [ZZZL22]. **Tree** [DG15, HNY15, LLL21, PHM21, SZW23, WYLZ20, YHO21, ZZZ21]. **Tree-Based** [DG15, YHO21]. **Tree-Constrained** [SZW23]. **Tree-Structured** [WYLC20]. **Trellis** [MK16]. **Trellis-Based** [MK16]. **Trending** [GLC24]. **Trends** [SHZ23]. **Trial** [CS23, FNM21]. **Trial-Based** [FNM21]. **Trial-Dependent** [CS23]. **TRICy** [AGB24]. **Trigger** [AGB24]. **Trigger-Guided** [AGB24]. **Trimming** [HNY21]. **Trimodal** [CHG23]. **TRINICON** [MGGK17]. **Tripartite** [JBW24]. **Triple** [WW22, XSS23]. **Triple-Domain** [WW22]. **Triplet**
[EDO17]. **User-Generated** [WWD14].

**Users** [SF14]. Using

[AF18, ATS18, AM18a, ACK21, AdTJ18, ATP15, AY17, ADM+17, AS15, AG17, AB15, AGC23, AM20, AATKS21, BV17, BLZ21, BC17, BRC24, BHP+23, BV23, BGQO+17, BHAMR19, BLLP17, BvWWM17, BPG23, BSWP18, BSTM24, BMVG17, BH18, BG23, BS21, CONVC18, CCR16, CE15, CS5+19, CDLL19, CHJ14, CHWL14, CLLD14, CWH+16, CAS21, CWCP17, CMM+23, CPGL24, CG20, CS19, CMG+17, CWBv19, CL18b, CL18c, DC16, DP16, DvWDM14, Dags+18, Dhs15, Dafs15, Dgmb21, DGMB23, DWX+21, DBM15, DCLHJ18, Dtc15, DG23, EcfJ21, Emm20, ES16, Fsa18, FS017, FWM+14a, FWM+14b, Fobp15, FptJ17, FptJ17, Fzz+15, Fdk15, FK24, FCg24, FNA15, Gmh14, Gjyw23, GWLI22, GvdP23, GRSP17, Gj17, Gdm18, Gs21, Hagsz16, Hrl+21, Hgt15a, Hbf+16, Hdl23, Hfl+23, Hemn21, Hppm24, HWG+23, HL15, HL18, Has21, HWW16, Hwc+17]. Using

[Hgapb15, Hhmk18, IO17, Isn21, Jgm23, Jkj19, Jhlk18, Jsyw16, Jthn14, J19, Jyb+15, JwlF14, Jk15, Jra17, Jgsc+22, Khtl18, Kjg16, Kmg21, Kki9a, Kml18, Kkk15, Kcmw17, Kmg17, Kki9b, Kh24, Khcw15, Lsnc21, Lrg21, Lyy+23, Lwz+14, Ls14a, Lggh19b, Lvy21, Ljh24, Lmc18, Lin18, LdLvWws21, Lhy+22, Lm23b, Lagd18, Lcw+16, Lfu+17, Llll19, Lrp+23, Llc23a, Lyb+23, Lls24, Lcta19, Mfh21, Mms+20, Msc23, Mj15, Ma22, Md18, MMm23, Myko24, Mzx+15, Mmk21, Md+15, Mpks+23, Mzm+15, Mwc+23, Mcd14, Mpc+24, Msc21, Mut+20, Msd14, Md16, Mbtb14, Mv23, Mat15, Myc+23, Mk16, Mk15b, Mj+14, Nyd17, Nta15, Ntm16, Nsa21, Nw24, Nm21, Nen21, Newn23, Nnc19, Nxcl16, Nnc20, Nnc21, Ncc15, Nnl15, Nd18, Nak+17, Ocs21, Odg16, Om24, Ps19, Ps17, Pds+16, Pcapjf+23, PC19, PCb16b, PjtJ24, Mg19, RG15b]. Using

[RRM16, Sab16, StH+18, Sp16, Sof15, Siuw21, Sdf18, Sap14, Sac17, Sdk17, Sh19, Sfrk+23, Sg14, Shg15b, Shg15a, StbC17, Slga15, Sp17, Sw20, Swrk15, Sll+16, Sfk15, Sl20, Slov15, Smh14, SBP+24, Slh17, Smv17, Sce19, Swc20, Slgz15, Szv16, Swn19, Tza14, Th14, Th18, Tp15, Tg24, Twn23, Tjv24, Tp19, Tr15, Tns+18, Tdl19, Vp21, Vah19, Vrr18, Vm15, Vpl17, Vap19, Vdm15, Was14, Wwd14, Wgd15, Wcc+15, Wrc16, Whrc16, Wed17, Wws+18, Wcz21, Wcw+21, Wj23, Wj15b, Was16, Wsy14, Whlg14, Wsh15, Wa15, Wk16, Wrkg17, Wrk18, Wcl+21b, Wsz21, Xnh+18, XhrC24, Xll+19, Xhy14, Ycm+21, Yb14, Ygv14, Yzw+18, Yw18, Y18, Y21b, Ycl22, Zp15, Zzn+16, Zcy15, Zz+21, Zsc+23b, Zpw23, Zzy+24, Zgo19, Zdlk18, Zzl+23, Zdz+21, Dh14, Lzhn14, Map14, N14a, ZA14]. Utilizing [Vdh24, Ykmp18]. Utterance


[NCC15]. Variance [ABKP19, Nos16, WCC+15, WZ24, WST+21]. Variant
[MTK+20]. Variants [ATS18]. Variational
[AV16, CCC+24, KKH19, KBGAP+16, LKM23, LCL+23b, MZC+24, NM21, OCS21, SEM+14, SHCV23, WTY+20b, WLT24, XHRC24]. Variations [XT23, ZLP+21].

Varying
[BRC24, KBGAP+16, LG19, LS+14b]. VC
[KKH19, WWX+23]. Vector [AJLW14, BHS+16, CM+23, CSY+21, CP21, CL14b, CL17b, DGCY23, FWF17, FGO+15, GWWL22, GH17, HF21, KMB18, KOS+16, LHJ+23, MAZ21, MPC16, NIK+22, NCC15, QDSL19, SLK17, WCY+15, WTY+20b, WRK18, XHY14, XLLY18, YK21a, ZSB17, CL14a, CPL14, JKU18, RSR+19].

Vector-Based [RSR+19].
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