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**Title word cross-reference**

1 [GCJ+14]. 2.5 [WAS16]. 3 [CT14, GDM18, HB17, SMH14, vMM14]. α [VZC14]. β [FSO17]. β₁ [FWF17]. I [CL14a, MPC16, MZM15, SLK17, BHS+16, CPL14, XYH14]. N [MHBT15].

-D [HB17, CT14, WAS16].

-Vector-Based [SLK17]. -Vectors [MZM15].

14 [FWM⁺14a].

2.5D [FFSS17].

4 [CRH⁺14].

AAC [CRH⁺14]. Abstractive [ZZZ16].


Aligned-Parallel-Corpora [ZB14].
Aligning [BCA15]. Alignment
[CWJ16, HS15, NNS16, TS16, WED16].
All-Pole [SKH+15a]. Allocation [RV14].
Allpass [VM15]. Alternating
[ES16, WRKG17]. Alternative
[HWW16, MHD+17]. AM [VS14]. Ambient
[HTG14, HGT15a, HGT15b]. Amen
[DM16]. Amplitude
[DAR16, FW17, KBG16b, MAT15, MAK15].
Analogy [YL15]. Analyzing
[ARS14, AM16, AZGN14, BDV+14,
BSB14, CZG+15, CH15, CPL14, DV14a,
DMP+18, Hay14, HMDG15, HDG16, HH14,
HM14, IY16, IO17, JD+17, KOS+16,
LHD16, MHGM15, MAL18, MDM15,
MGT15, OWA15, PDS+16, PCB16, RG17,
RVB+17, SAP14, SGH17b, VM15, WLL17,
WC16a, YEY17, ZA14, Ano16-52, Ano16-53,
Ano16-54, Ano16-55, Ano16-56, Ano16-57].
Analogous [VS14, WAS16]. Analyzed
[YH17]. Analyzing [AW16]. ANC
[GL16]. Anechoic [ZWW15]. Angle
[PC14]. Animations [CWCP17].
Anisotropic [TKS14]. Annotation
[MHB15]. Annotations
[LCZ+17, ZWCT15]. ANSI [YL16].
Answering [ZH16]. Anthropometric
[GMG16]. Anti [WDD+16].
AntiSpoofing [WDD+16]. APA
[ZY14]. Aperiodic [CT14]. Application
[CHC14, GKC16, LLR+16, MAL18,
OOK17, PDS+16, RKL14, SAB16, SHD14,
SMV14, TR14a, WZS14, ZCDS15, ZZH16].
Applications [CD17, CC15, CTLL17, CL18,
FPTJ17, RG17, SRH15, SP15]. Applied
[AS17b, Ano17a, BS17, Bre15, DM16].
Approach [ABA17, AP14, AH15, AKN+16, BC17,
BCA15, BvWWM17, BM15, CPCBFSF16,
CH18, CH16, CZ17, CZY+18, DTL16,
FGQ+15, GMG16, JT15, LS14a, LD16,
MH16, MSD14, OR16b, SD16a, TLW+17,
TMH+14, WHRC16, WDDL17, XWZ16,
XYH14, XDDL15, ZA14, ZJD+15, ZSIA16].
Approaches
[BD16, FLMS16, RH18, RHvdP+16].
Approximate [SOF15]. Approximation
[CY15, HCT15, MB15, SMVW14,
VDC+17]. Approximations [WAS14].
Arabic [RARR15, ZB14]. Arbitrary
[NNS16, OIY+14]. Architecture
[CRV+15, RA15, YLD15, YL16].
Architectures [SMA+17]. Areas [SAP14].
Argument [LZ16, ZZ16]. Arousal
[WYLZ16]. Array
[GE15, HSK17, HL14, IO17, JSR14, JEP14,
LW+14, NR14a, NH16, OFF+17, IOS14,
PC15, SR14, SvWRK15, SPM17a, SPM17b,
TP15, TCY15, TR14b, TR15, WC16a].
Arrays
[AR16, CT14, Ha14, HF15, HBC17, HZF17,
PCB16a, SLC+15, SKDN14, TH14, TH16,
TJCB16, W16, WRKG17, ZA14, ZBC14].
Arrival [HNM17, KK14, NV14, SLC+15,
TP15, TTH14, TR15]. Arrivals [KB14].
Art [MSM14]. article
[Ano14-90, Ano14-41]. Articulation [DB17].
Articulatory
[CHW14, CMG+17, GHP17, GGC+17,
HGA15, JJB16, KCM17, NR14, SLH17,
TK17, WSY14]. Artificial [AF18].
Artificially [AGK+17]. Aspect [CZG+15].
AspectBased [CZG+15]. Aspiratory
[CWCP17]. ASR [GW+14, HIA+17,
LAK16, TV15, WSY14, dCSCVAGAPM15].
Assessment [KKK15]. Assisted [WSL15].
Association [AM18]. Associate
[OK17]. Asynchronous [CBA+15].
Attack [MKMD17]. Attacks [XNG+14].
Attributes [BHS+16]. Audible [MC14].
Audio [AZK15, AKB+16, AM16, Ano14-45,
Ano14-77, Ano14-54, Ano14-66, Ano14-78,
Ano14-55, Ano14-67, Ano14-79, Ano14-56,
Ano14-68, Ano14-80, Ano14-57, Ano14-69,
Ano14-46, Ano14-58, Ano14-70, Ano14-47,
Ano14-59, Ano14-71, Ano14-48, Ano14-60,
Ano14-72, Ano14-49, Ano14-61, Ano14-73,

HTG14, HGT15b, HBF+16, HBB17, HS15, HIA+17, HGT15c, HZF17, IY16, ISZA15, JP14, JFG+17, JT14, JvWGD15, KGP14, KLG17, KHK17, KDF14, KD16, KMG15, KGH+16, KBB16b, LGTG16, LC16a, LTWT17, LGHG17, LB16, LK16, MIYO14, MK15a, MHD15, May18, MC17, MTBB15, MBD+15, MK16, NYS17, NXH+17, NNL15, NV14, NAK+17, ONH16, OOK17, OIY+14, OD17, ODG16, ODSM16, PLZL17, PCB16b, PT14. Based [PM15, PHM+17, PBQ15, QTY16, RV14, RDP14, RH18, RG18, RMBK14, ROL+15, SV17, SS16, SAC17, SDK17, SDDCC15, SWH+17, SHKB17, SGH17a, SKSD14, SMVV14, SK16b, SAS17, SLC+15, SLK17, SSK17, SW16, SKDN14, TOKS14, TOS14, TM14, TM16, TQY16, TTH14, TLW+17, TKT17, VML14, WS14, WYH+15, WYLF16, WD16, WLL+16, WDDL17, WYH17, WVC14, WHLG14, WLL15b, WK16, WRKG17, XNZ+14, XNRG15, XZW15, XDLD15, XQ16, XH+17, XAJH+14, YK14, YLY15, YHO+17, YH17, ZP15, ZCF14, ZSB17, ZWCT15, ZKA15, ZW16a, ZW17, ZHI15, ZJZ+15, ZB14, ZSIA16, Ano16-50, Ano16-51, TMH+14]. Basis [PSL17, VDC+17]. Bass [AS17a, MGT15].

Bayes [CY15]. Bayesian [AV16, BIK+18, CH18, CY16, Ch18b, HAGS16, LHD16, MIYO14, IOS14, OIY+14, SEM+14, VMOL16, WAS14, WSH15, YSCZ15, ZDC14]. Beamformed [LWZ+14]. Beamformer [HDG16, HIA+17, JTHN14, JSR16, LYN14, PC14, SGH17c, ZH14]. Beamformers [BC17, BCB15, DMVP16, HMDG15, Non14]. Beamforming [AR16, ATP15, BC15, CT14, HL14, JSR16, MGGK17, PCB15, PCB16a, SR14].


Binaural [AJLW14, AdHTJJ16, DSG15, HMDG15, HD16, JSR16, JWF14, MMB17, MHD15, MHGD15, May18, PLZL17, SR14, SvWRK15, SKM17, SBVM16, TMKO17, VS14, YND14, ZW17].

Binaurally [YKMP18]. Bio [ARW+16].


Biosignal-Based [SWH+17, SHKB17, Ano16-50, Ano16-51]. Bird [KMG17, SBG17]. Bit [CLG16, LJK17, SKH+15b]. Bitrate [BF18]. Blank [Ano14i, Ano14j, Ano14k, Ano14l, Ano14m, Ano14n, Ano14o, Ano14p, Ano14q, Ano14r, Ano14s, Ano14t, Ano14u, Ano14v, Ano14w, Ano15a, Ano15b, Ano15c, Ano15d, Ano15e, Ano15f, Ano15g, Ano15h, Ano15i, Ano15j, Ano15k, Ano15l, Ano15m, Ano16a, Ano16b, Ano16c, Ano16d, Ano16e, Ano16f, Ano17b, Ano17c, Ano17d, Ano17e, Ano17f, Ano17g, Ano17h, Ano17i, Ano17j, Ano17k].

Blind [BBM17, BV16, CG17, KOS+16, NV14, OOK17, SH14a, SOF15, SH14b, SGH17a, TH17, WRDP17]. Block [BvWW17, FdDARF16, LG16].

Block-Based [FdDARF16]. Block-Sparse [LG16]. Blocking [WG15]. Body [MS17]. Boltzmann [NTA15, NTM16].

Bone [SF15]. Bone-Condution [SF15]. Boosting [ZW16a]. Bottleneck [JMD+17, WK16]. Bound [SGH17b].


Broadband [BC17, BCB15, CT14, Non14, RMBK14]. Broadcast [CLC+15, PBQ15, XO16]. BSS [CY15, OG14]. Build [ARSLN16, PCB16b].
C50 [PSL+16]. Calculation [MV14].
Cancellation [AA17, AR16, BvWWM17, CSAR+14, DLMM+18, FWM+14a,
FWM+14b, GCvWMJ14, MV14, SK16a, SLGA15, SP15, ZHZ16, ZYG+14].
Canceler [PPSG17]. Candidate [CWH+16]. Capabilities [CDA+14].
Capacity [XNRG15]. Cascaded [GHAP17, HGAPB15, NR14b]. Cascading
[sLGyLaC15]. Case [BC17, WC16a]. Casting [OR16a]. Categories
[Ano16k, Ano16l]. Cellular [CZ17], Center [Ano16-48, Ano16-49]. Centered
[AS17a]. Cepstral [DP16, EMTF17, JT15, KS16].
Cepstrum [IO17]. Challenge [EGMN16, MHB+18]. Challenges [TD16].
Change [PCB16b]. Channel
[AM18b, BXY14, CDLX18, DBN+17, DTDL16, GRSP17, JvWGD15, KD16, KD17,
KG14, MHD15, MHGD15, MF17, MK15b, MK15c, MBK17, PSL+16, SGM+15,
SLOV15, SAK16, TZA14, WWD14, WDDL17, WYSID15, YND14, ZPP15].
Channels [YLD15]. Characterization
[PHK16]. Characterizing [CTSC14]. Chatbots [LXS+18]. Chinese
[Chi18a, LZC+14, LZ16, WSY14]. Chord
[CB14, DDZS17, MSRDND14]. Chunk
[CH16]. CI [SF14]. Circular
[HFI5, HBC17, OFF+17, WAS16, ZA14]. Clarity [LCC+15]. Class [CSJD16, CJ15].
Class-Based [CSJD16]. Class-Normalized
[CJ15]. Classes [LWZ16]. Classification
[BSER17, BMVG17, CWW14, CHJ14, DTL15, GPF17, HS15, JWL14, LJX+16,
LLWJ16, MZX+15, MHB+18, OHN16, PKA14, PMMM15, PHM+17, RG15a,
Rak17, SK17, SHAGPRZ17, STBC17, SLY14, TQW+15, WAS14, WYH17, YK17,
ZM17, VZC14]. Classification-Based
Clear [NHK16]. CLOpinionMiner
[ZWX15]. Closed [ARSA14]. Closure
[DP16, KDY14, KKGH16]. Closure/Opening [KKGH16]. Cluster
[TQY16]. Clustering [AB14, AB15, HPB15, KSK+15, ODG16, SKDN14, WLL+15a,
XYH14, XO16, YH17, ZJD+15]. Clustering-Based [ODG16, SKDN14]. Co
[BCBL15, DHSG15, HL15, SLC+15].
Co-Factorization [HL15]. Co-Localization [DHSG15].
Co-occurrence [BCBL15]. Co-Prime
[SLC+15]. Cochannel [ZWW15]. Cochlear
[CFMM14, NWM16, SF14, SMVW14, YLD15]. Cochleograms [dlCSVAGAPM15].
Code-Switched [YsL15]. Code-Switching
[AVK+15, WLLZ17, WSY14, WSH15]. Codebook
[HBB17, VML14]. Codebook-Based [HBB17, VML14].
Coder [SKH+15a, SKH+15b]. Codes
[XAHJ+14]. Coding [BF18, CLAG16, CDW16, JSYW16, MK16, SKH+15a].
Coefficients [AS17b, DP16, GI15, ISZAC15, KS16, KBG16b, MKA+14]. Coherence
[BBM17, MHD15, SGH16, XZW15]. Coherent [JC17, SK15].
Coherent-to-Diffuse [SK15]. Collaborative [TLWV17]. Collaboratec
[Ano16-46, Ano16-47, Ano17-61, Ano17-62, Ano17-63, Ano17-64, Ano17-65, Ano17-66].
Collecting [KNH+17]. Combination
[CPCBFSF16, CJ15, FdDARF16, IY16]. Combined
[BCB15, MGDK17, MHGD15]. Combining
[CMY16, KSK+15, LCC+15, RDP14, SKM17, SY15, WJ15a, YK17]. Command
[PCG17]. Comments [CE14].
Common [SD16b, SD16a]. Communication
[Ano16-50, Ano16-51, KBV17, MHD+17, SWH+17, SHKB17]. Community
[WYLZ16, ZKH+16]. Community-Based [WYLZ16]. Compact
[MBD+15, SRH15]. Companding [Ziv15].
Comparison [KBV16, WDD+16, vHK14].
Compensation
[BGQO+17, DH14, HSK17, LC16b, MGF18, MJJ+14, Nos16, TZA14, WVCL14].
Complete [CE14].
Complex [HHC16, WWW16, WW17]. Complex-Valued [HLC15, HIA+17, HHC16, KBG16b, WWW16, WW17]. Complexity
[CBA+15, DDZS17, FWM+14a, FWM+14b, FMD14, HL14, NWM16, SLGZ15, SLW15, WW15].
Component [CWC17, IY16].
Components [CB14].
Composition [CLAG16, MFG15]. Compositional [ZM17]. Compositionality [DW+16].
Compressed [MCD14]. Compression
[CZG+15, KGH+16, MF17, NR14b]. Compressive
[WLL+16, WZS14]. Computational [SSKP16]. Computationally
[KAJC16, MDM15]. Computer
[MFG15, QMS16, hShWsL15, WsL15]. Computer-Aided
[MFG15, QMS16, hShWsL15]. Computer-Assisted
[WsL15].
Concealment [LC16a]. Conditional
[May18, RLPK15, YLL15]. Conditions
[BHBS16, DW17, RKN14, SLGZ15, ZWW14, ZW15].
Conduction [SFK15]. Configuration
[TR14b]. Confused [RARR15]. Confusion [LHD16].
Connectionist [OOK17]. Connectives
[MHPB15]. Considering [WZ14]. Consistency
[LZ16]. Consistent [JT15]. Consolidated [GVMGO17]. Constituent
[ZDC14]. Constrained
[MHG15, RMBK14, YSCZ15, YH17].
Constraint [BV17]. Constraints
[HMDG15, SVB17]. Constructing [Chi18a].
Construction [VS14, WSY14]. Containing
[NNS16]. Content
[yLsL14, sLGyLaC15, LXS+18].
Content-Oriented
[LXS+18]. Contents
[BSR17, CGL+15, CH15, CIZ18, CBCL15, CDW16, SFIL17, WS14, WHLG14, ZDC14, ZXSD17]. Context-Aware
[ZXSD17]. Context-Dependent
[BSR17, CDW16, WS14, WHLG14]. Context-Sensitive-Chunk
[CH16]. Contexts
[NAK+17, SBG17]. Contextual
[ZW16a]. Continuity
[PGL17]. Continuity/Discontinuity
[PGL17]. Continuous
[BDL15, DB15, FGQ+15, LFH+15, MAL18, SFIL17, WZL+15]. Continuous-Space
[WZL+15]. Contours
[KY+15]. Contraction
[WHLG14]. Contrast
[SDDC15]. Contributions
[SLR16]. Control
[AA17, AKN+16, BSB14, CC14a, CE14, CD17, CDA+14, GdC14, LFdDG14, MX17, SLW15, TM16, YEL17]. Controllable
[TKT17]. Controlled
[HWT+17, KGH+16, LCWC16, CHC+14]. Controllers
[BSB14]. Controls
[PCW15]. Convergence
[YEL17]. Conversation
[JMD+17, WLL14]. Conversational
[ESVK17, MSFK15, WTHJ14, XDH+17, YB14]. Conversations
Conversion [ATA16, CLLD14, DTN+14, JRA17, NTA15, NTM16, PS17, PM15, TLW+17, WVCL14].

Converting [ACRS14].

Convex [JBTL15].

Convolutional [AHMJ+14, CDW16, JSYW16, PHM+17, QBTY16, SP16, rPH+17].

Convolutive [BP14, CY15, KGBAP+16, MD16, SOF15].

Convolved [SDDCC15].

Cooperative [ZCDS15].

Corpora [LFU+17, ZB14].

Corpus [CWH+16].

Correction [FWM+14a, KDJJ17].

Corrections [SPM17].

Correlated [PSL+16].

Correlation [ATP16, MC17, SAC17, WD16, PT14].

Correlations [SM14].

Cortical [SKM17].

Cosine [SKSD14].

Cost [CPSFC+14, SSKP16, SLK17, ZN14].

Countermeasures [WDD+16].

Counting [WHRC16].

Coupled [AZK15, BVGV15, LCZ+17].

Coupled-HMM-Based [AZK15].

Course [yLSY+14].

Covariance [EJ16, NV14, ZF14].

Cover [Ano14u, Ano14v, Ano14-29, Ano14-30, Ano14-31, Ano14-32, Ano15r, Ano15s, Ano15v, Ano15w, Ano15x, Ano15y, Ano160, Ano16p, Ano16q, Ano16r, Ano16s, Ano16t, Ano17-28, Ano17-29, Ano17-30, Ano17-31, Ano17-32, Ano17-33, Ano17-34, Ano17-35, Ano17-36, Ano17-37, FDK15, Ano14i, Ano14j, Ano14k, Ano14l, Ano14m, Ano14n, Ano14o, Ano14p, Ano14r, Ano14s, Ano14t, Ano14w, Ano14x, Ano14y, Ano14z, Ano14-27, Ano14-28, Ano15n, Ano15o, Ano15p, Ano15q, Ano15r, Ano15s, Ano16m, Ano16n].

Covert [STBC17].

Crane [SGH17b].

Creation [DHYG14].

Cries [SK16b].

Criteria [JBTL15, WJ15b].

Criterion [HXWS15, WSH15].

Cross [CHWL14, Chi18a, DAFS15, GHAP17, LJX+16, LGR14, PT14, PM15, SDK17, SPM17a, SPM17b, YsL15, ZZZ16, ZWX15].

Cross-correlation [PT14].

Cross-Dialect [Chi18a].

Cross-Language [YsL15, ZZZ16, ZWX15].

Cross-Lingual [CHWL14, LJX+16, LGR14, PM15, SDK17].

Cross-Show [DAFS15].

Cross-Speaker [GHAP17].

Cross-Spectra [SPM17a, SPM17b].

Crosslingual [SV17].

Crosstalk [MV14].

Crowdsourcing [GMH17].

Cylindrical [KFH+14].

D [HB17, CT14, GDM18, SMH14, WAS16, vMM14].

Dance [GKC16].

Data [ARSLN16, AM18a, Bre15, CBG15, CMY16, CGK15, DDZS17, FMB16, GCG+17, LAK16, MDF14, SDK17, XYH14].

Data-Association [AM18a].

Data-Driven [DDZS17].

Database [SLH17, WDD+16].

DCASE [MHB+18, SMA+17].

De-synchronization [XNG+14].

Decay [BY15, SH14b].

Decaying [BV17].

Decision [SHAGPRZ17].

Decoding [ACRS14, KLK17, MHB+15, MF17].

Decomposition [BIK+18, JP14, MK15b, PSL17, TZ14, TZZ+15a, WCY15].

Deconvolution [DVHL17].

Decorrelation [ZHZ16].

Decoupled [HZF17].

Decoupling [CBC15].

Deep [AF18, BSR17, CLAG16, CLLD14, CRV+15, CM15, CH16, CTLT17, CGK15, CG16, DTDL16, FLMS16, GH17, GRSP17, GJ17, HKHS15, JMD+17, JWLF14, KTY17, LC16a, LS14a, LR17, MM17, MZ+15, MZ15, MKA16, NW15, NLV16, PDS+16, QBY16, QCD17, RARR15, SWW+17, SS16, SHD14, SAS17, SVZ16, TQY16, WS14, WDDL17, WYSD15, WGR+18, XDDL15, XHW+17, XAHJ+14, ZW16a, ZW16b, ZZZ+16, ZWX17, ZM17, ZJD+15].
F0 [AB15, CWJ15, IY16], F1 [HXWS15], F1-Score [HXWS15], Facial [JD17], Factor [BDV14, CC15, HHI14, MAL18, QTY16, WLLZ17, YHO17], Factored [AVK15], Factorization [ATA16, BV16, BSER17, CBG15, CY16, FS017, HL15, KSK+15, KOS+16, MH16, ZKH16], Factorized [CL14a, SS16], Factors [KKJN17, SKAK16, WWWW14, WC16a, ZYG14], Family [HBLC14, TR14a], Far [ATP15, ZSIA16], Far-field [ATP15], Farewell [Den14], Fast [BF18, CRH14, CL14a, Cun15, DAFS15, KKH16, ODG16, XAJH14], FDDT [GCV-WMJ14], FADF [GCV-WMJ14], Feature [AV16, BY15, BSER17, CW14, CH14, CZZ15, DH14, GMH14, IO17, KGP14, KNN17, LWZ+14, MAK15, NXCL16, QCDW17, SAB16, SKDN14, VML14, XH+W17, ZDG14], Features [AVK+15, BMVG17, CSJD16, CHWL14, CTL17, DSHG15, DW17, DB15, FOBP15, GKC16, GMG16, GPF17, HLL15, JMD+17, JTI5, LGHG17, PAKA14, SGA15, SMA+17, SAS17, SKK14, SKM17, TD16, TZZ15b, WY17, WSY14, WK16, YK17, YB14, dICSVAGAPM15, VZC14], Feedback [AA17, BRD15, BE17, BVWM17, FWM+14a, FWM+14b, PPBG17, SD16b, SD16a, SH17a, SLGA15, SP15, XYH14], Feedback-Driven [BE17], Feedforward [BSB14, CC14a, SNS15], Fibonacci [FM15], Field [ATP16, ADMM17, BGQO17, EJ16, FFS17, KBV16, KBV17, KFH14], Filling [MDY15], Filter [AM18b, BVWM17, DV14a, DV14b, FZZ15, GCVWMJ14, HAGSZ16, KKJN17, KMG17, May18, MA15, MKA16, MJJ14, SGM15, SD16b, SGR15a, SMVW14, SRH15, TTH14, TCE15, TE16, VP17, WW15, WRKG17, YLJ16, ZCY16], Filter-Bank [SGM15], Filterbank [CFMM14, SP16, SGA15, YLD15], Filterbanks [CRH14], Filter [CC14a, FdDARF16, dICSVAGAPM15], Filtered [FdDARF16, CC14a], Filtering [ARDS14, ABA17, AY15, CH18, CD17, CMG17, DMVP16, GM14, GJ17, JCBJ15, KF114, LG16, MHD15, MHDG15, NCC15, OOK15, RG15b, SR16a, TH14, TH16, ZH15], Filtering-Based [MHD15], Filters [AM18b, BGQO17, CCR16, FNA15, GEC15, He14, HBL14, JBC16, KHCW15, MV14, ZG16], Finding [HLL15], Fine [YM17], Fingerprint [XO16], Fingerprinting [HWRC15, ODG16, SW16], Finite [AG17, BHBS16, BS14, SVWR15, ZH15], Finnish [ESVK17], First [CASZ17, WC16a, Ano15z, Ano15-27], First-Order [CASZ17, WC16a], Fisher [ATP15], Flamenco [KGF16], Flesh [KCMW17], Flesh-Point [KCMW17], Flexible [ARW16, KGB16a], Flow [GI15, WC16b], Fluency [BDL15], Fly [EDO17], FM [YS14], Following [LD16], Footprint [LR17], Foreground [DP16], Foreign [BHS16, MK15a], Forests [PMMM15], Forgetting [CC15], Formalism [KDY14], Formal [FWM+14a, FWM+14b, JFG17, YLY15], Formal-Driven [YLY15], Formulation [Bay15], Fractional [BGQO17, He14].
Fractional-Order [Hel14]. Fragment [HLL15]. Frame [CHWL14, DAR16, YsL15]. Frame-Level [YsL15]. Frames [OD17].

Framework [BDL15, CE15, CLCW18, Chi18a, EDO17, ES16, GCvWMJ14, GHAP17, GJB15, KBG16a, LIX+16, LSH14, MV14, QMS16, RARR15, SM18, TQW+15, TJCBI6, TR14b, WW16, WLL15b, XDC+17, YsL15]. Free [DV14b]. Frequencies [AHSS+18, AY17]. Frequency [AM16, AY15, AY17, BP14, BvWWM17, GCvWMJ14, HSK17, HBC17, JP14, JFG+17, JCBJ15, JTI5, KYI+15, KGH+16, KBG16a, MAP14, MGF18, MCD14, NJC16b, OG14, RBR16, RG15a, RKL14, SKH+15a, SLJ18, TM16, TLW+17, TZZ+15a, WCC+15, WW17, YBC+14, ZKA15, ZG16, ZSA16, ZHL15].

Frequency-Domain [BvWWM17, GCvWMJ14, TM16]. Frequency-Invariant [HBC17]. Friendly [EDO17]. Front [Ano14u, Ano14v, Ano14w, Ano14x, Ano14y, Ano14z, Ano14-27, Ano14-28, Ano14-29, Ano14-30, Ano14-31, Ano14-32, Ano15p, Ano15q, Ano15r, Ano15s, Ano15t, Ano15u, Ano15v, Ano15w, Ano15x, Ano15y, Ano16m, Ano16n, Ano16o, Ano16p, Ano16q, Ano16r, Ano16s, Ano16t, Ano17-28, Ano17-29, Ano17-30, Ano17-31, Ano17-32, Ano17-33, Ano17-34, Ano17-35, Ano17-36, Ano17-37, NW14]. Front-End [NW14].


Functional [BSL16, CSAR+14, ZA14, ZKA15].

Functions [FPTJ17, FFSS17, KD17, MBM15, MAT15, SGH15b, VDC+17, ZLLS16]. Fundamental [AHSS+18, AY17, JP14, JCBJ15, KYI+15, KBG16a, NJC16b, SLJ18, YBC+14, ZG16]. Fusing [ZZZ16]. Fusion [JVR16, PS17, SHAGPRZ17, SPM17a, SPM17b, VZC14].

FxLMS [PCG17].

Gabor [OD17, SGA15]. Gain [AA17, MAT15, Non14]. Gains [HBB17]. Game [hShWsL15]. Gaussian [ATP16, BDV+14, BSB14, CY15, CY14, GR14, GHAP17, HIA+17, HGAPB15, JRA17, LGR14, NNL15, RG18, RBBG15, SKH+15a, TZZ+15a, VZC14].


Graph-Based [LK16, ZWCT15]. Graphic [RVB14]. Graphs [yLSL14]. Grid [SLJ18].


I-Vector [CL17b, GH17, ZSB17]. I-Vectors [KWGW17, PS17]. Idea [Ano15z, Ano15-27].


Ano15-49, Ano15-59, Ano16k, Ano16l, Ano16-32, Ano16-38, Ano16-33, Ano16-39, Ano16-29, Ano16-30, Ano16-31, Ano16-34, Ano16-36, Ano16-40, Ano16-35, Ano16-37, Ano16-41, Ano16i, Ano16j, Ano17-59, Ano17-60, Ano17r, Ano17z, Ano17s, Ano17-27, Ano17t, Ano17y, Ano17v.

**Language**

[Ano17w, Ano17x, Ano17y, Ano17-57, ACRS14, BDV+14, CPCBFSF16, CSJD16, CLC+15, CLW+16, Chi15a, CBCCL15, DBM15, FOBP15, FLMS16, HLL15, HYI+15, HOF15, JSM18, KG17, LTWT17, LFH+15, LCC+15, Lcw+16, MDY+15, RV14, RV17, RLK14, SHD14, SHGD16, SLK17, SNS15, TWc+18, VTY15, WZL+15, Wsl15, WSH15, YsL15, ZZ16, ZWX15.]

**Languages** (ZP15). Laplace (Chi15b).

**Large**

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

**Large-Scale** (CL14b). Laryngeal (DB17).

**Laryngectomy** (MHD+17). Lasso (RBR16).

**Lasso-Ls** (RBR16). Late

[BRD15, HCJT15.]

**Latent** (HM14, RV14, RCL18, WTHJ14, WSH15, ZWC15).

**Lattice** (LCW+16). Law (SAB16). Layer

[CLLD14, SS16]. Layer-Wise (CLLD14).

**Layouts** (CT14). LCMV

[HDG16, MGGK17, SGH17c.]

**LCMV-Trinicon** (MGGK17). Lead

[MFG15]. Learning

[AZK15, BXY14, BSR17, BSER17, CVDA17, CJ15, CM15, CY16, Chi18b, CTL17, DLH17, FOBP15, FQG+15, GFG+14, GH17, GCG+17, GMG16, HWW+15, YLSY+14, LK16, MP16, NNL15, PHM+16, RAK17, RH18, RARR15, RG18, RV17, SP16, SK16b, SLR16, TR14a, WS15, WED17, WGR+18, XDC+17, XHH+17, YH17, ZCDS15, ZW16b, ZW17, ZXH+16, ZB14, ZPP15].

**Learning-Based** (SK16b). Least

[BBM17, LZN14, SOF15, SD16b, ZHZ16].

**Least-Mean-Square** (ZZH16).

**Least-Squares** (BBM17, SOF15, SD16b).

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

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

**Length** [CC14a]. Level

[CHJ14, CC14b, DTV+17, FNA15, KYTJ17, SGM17b, TQW+15, YsL15]. Levels [GB14].

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

**Lexicon** [KJG16, ZWCT15]. Library

[Ano15-28, Ano15-29]. LID [JSMD18].

**Lid-Senones** [JSMD18]. Likelihood

[CW15, CW16, CG16, HH14, KD16, KDJ17, LGH17, SHAGPRZ17]. Limited

[HLL15, HOF15, SDK17]. Limits [MK15c].

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

**Linear**

[ARSA14, AS17b, BS14, BLL17, BSL15, CPL14, DTV14a, DSH15, GR14, GCJ+14, HTG14, JBC16, JvWG15, KKK15, MAP14, NXCL16, OOK17, PC16a, SAB16, YK14].

**Linearly** [MHGD15, RMB14]. Lines

[HL14].

**Linguistic** [DBM15]. Linguistics

[OL15].

**Link** [CSAR14]. Linked [YKPM18].

**Linking** [FMB16]. List

[Ano14-81, Ano15-70, Ano17-67]. Listening

[BA16, RG15b]. Listwise [ZLLS16].

**Liveness** [STH+18]. LMS [CC14a]. Local

[BS15, CC15, LFdDG14, WAS16, YK17].

**Localization**

[AKB+16, APH14, CBA+15, CPSFC+14, DSH15, DG15, FPTJ17, HWRC15, LGTG16, LGTG17, LGHG17, MMB15, MBM15, NR14a, PLZL17, PHK16, RJCW17, SPM17a, SPM17b, TWS16, WRC16, WHRC16, WRKG17, ZYLY17].

**Localizing** [JCL17]. Locally

[DHS15].

**Locally-Linear** [DHS15]. Location

[AM18a, SKDN14]. Loeve [LPHCB14]. Log

[DLG18].

**Logarithmic** [LKHU14]. Logic

[BM15].

**Logic-Based** (BM15). Lombard

[JRA17].

**Long**

[CBC15, MKMDM17, NR14b, PDS+16, YB14, ZLJ+17].

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

**Loop**

[DV14b, XYH14]. Loss

[ACB17, LC16a, NWM16, XW216].
Loss-Augmented [XZW16]. Loudspeaker [BA16, DvWDM14, FNA15, GEC15, HSK17, KBV16, OFF17, VDM15, ZA14].
Loudspeaker-Room [BA16].
Loudspeaker-Signal-Domain [VDM15].
Loudspeakers [MJJ14]. Low [AM16, BF18, BIK18, CBA15, CLAG16, CW14, CM15, CRH14, CPSFC14, FWM14a, FWM14b, Hel14, HOF15, LJK17, LGR14, MGF18, MCD14, PAK14, SMVV14, SLC15, SKH15a, SKH15b, SLGZ15, WW15, YLD15, ZN14].
Low-Bit-Rate [LJK17, SKH15b].
Low-Bitrate [BF18]. Low-Complexity [CBA15, SLC15]. Low-Cost [CPSFC14, ZN14]. Low-Delay [CRH14, SKH15a, SKH15b].
Low-Frequency [MGF18]. Low-Pass [Hel14]. Low-Rank [BIK18, HOF15, PAK14, SLGZ15, SMVV14].
Low-Resource [CM15, LGR14]. LPC [WCJ15]. LS [RBR16]. LSTM [CH16, HWT17, KCMW17, SSK17, SNS15].
LVCSR [CH16]. Lyric [WJ15a]. Lyric,Lyrics [CWJ16].

Machine [BBC16, BY15, CZY18, GCG17, MHPB15, NTM16, RG18, TZZ15b, WZL15, XWZ16, XZW15, ZLLS16, ZXS17].
Manifold [GMFG16, LGT16, SV17, TR14a].
Manifolds [LGT17]. Manipulation [EMTF17]. Many [ATA16, DTN14].
Many-to-Many [ATA16]. MAP [MSD14, TMH14]. MAP-based [TMH14]. Mapping [BE17, GHAP17, HWW15, LWZ14, PS17, PLZL17].
Mappings [TKT17]. Maps [DTC15, MAB16, WCC15].
Marginalized [ZCY16]. market [Ano15z, Ano15-27]. Markov [DBK15, NYD17, PCW15, RV17, TP16, YSCZ15].
Mashups [DHYG14]. Mask [RBBG15].
Masked [JT16]. Maskers [JT16]. Masking [DW17, LS14a, WWW16, WW17, ZH15].
Masking-Based [DW17]. Masks [HKHJS15]. Matching [MKA14, OFF17, WZS14, YGV14].
Matrices [LHD16, ZF14]. Matrix [ATA16, BSER17, DVLH17, HL15, JP14, KSK15, KOS16, SGH16, TH17, WGD15, ZXH16].
max [SD16a]. Maximization [DG15, LGHG17, LSH14, SGH16, WD16].
Maximization-Based [WD16]. Maximize [KNH17]. Maximum [CG16, HH14, HBL14, HXWS15, KKL17, KDJJ16, KDJJ17, PBC16, SHAGPRZ17].
Maximum-a-Posteriori-Based [KKL17].
MaxNSR [WGD15]. Mean [JT15, RLPK15, SKSD14, ZH16].
Mean-Square [JT15]. Means [EZS14].
Measure [AKG17, LCC15, MZJ15].
Measurement [CCR16, FNA15, MAL18, SP17].
Measurements [BKK15, Hac14, KMG15].
Measures [FDK15, MVH16, TM14].
Meeting [BSL16, FMB16, TS16, YB14].
Member [Ano15-28, Ano15-29, Ano17-68, Ano17-69, Ano17-69].
Memory [CL14a, GWG14, OOK17, PDS16, ZYG14]. Memory-Enhanced [GWG14].
Mention [ZB14]. Merged [NYS17].
Merged-Output [NYS17]. Mesh [GDM18, SMH14]. Meter [GK16].
Method [AGW15, DV14b, DTC16, DTC17, GCVWMJ14, JP14, JFG17, KKGH16, MGF18, MGT15, OFF17, PCLP14, PBS17, SR16a, SAA15, SK16b, TG16, WCY15, WAJL15, XNG14, XNRG15, ZW16b, ZH15].
MPEG-4 [CRH14]. MT [BDL15]. Multi [BSL15, CD17, DHYG14, DAR16, DWX16, DHP14, FOBP15, GKC16, HWRC15, JVWDG15, KD16, KD17, LH14, MHD15, MHGD15, May18, QTY16, SGH15b, SLOVB15, TZA14, WYSD15, YW14, YLL15, YND14, ZDG14, VZC14]. **Multi-Channel** [JVWDG15, KD16, KD17, MHD15, MHGD15, SLOVB15, TZA14, YND14]. **Multi-Compositionality** [DX16]. **Multi-Conditional** [May18]. **Multi-Device** [HWRC15]. **Multi-Document** [YW14]. **Multi-Factor** [QTY16]. **Multi-Feature** [ZDG14]. **Multi-Frame** [DAR16]. **Multi-Input** [CD17]. **Multi-Microphone** [SGH15b]. **Multi-Output** [CD17]. **Multi-Party** [BSL15]. **Multi-pitch** [DHP14]. **Multi-Purpose** [GKC16]. **Multi-Session** [LH14]. **Multi-Song** [DHYG14]. **Multi-style** [VZC14]. **Multi-Talker** [YWSD15, YLL15]. **Multi-Task** [FOBP15]. **Multiband** [PPSG17]. **Multiband-Structured** [PPSG17]. **Multichannel** [BP14, BIK18, Bay15, KSK15, LPHCB14, LBR16, LZNH14, LFdDG14, NDV18, NLV16, OIY14, RKL14, SSW17, SEM14, SK16a, SMWV14, TH17, TS14, YK14]. **Multilayer** [NXH17]. **Multilingual** [SV17, ZH14]. **Multiloudspeaker** [FWF17]. **Multimedia** [Ano17, Ano16g, Ano16h, Ano171, Ano17m, Ano17n, Ano17o, Ano17p, Ano17q]. **Multimicrophone** [GVMG017, SGH16]. **Multimodal** [DTC17, GMH17, HM14, SLH17]. **Multipitch** [SY15]. **Multiple** [AHSS18, ATA16, AM18a, AB15, BA16, BCA15, ESJ17, JYB15, LGTG17, LW14, LAK16, LGHG17, MMB17, MGK17, NR14a, NYS17, PHK16, SLOVB15, TOS14, TS16, WED16, XDC17, YZLY17, YHO17, ZA14, ZH15, ZJD15, KMG17]. **Multiple-Speaker** [LGHG17]. **Multiplicative** [HBB17]. **Multiplicity** [PBC16]. **Multirate** [YLJ16]. **Multiscale** [KDY14]. **Multisession** [GH17]. **Multiplexer** [SGH17c]. **Multitalker** [KMYT17]. **Multitask** [BSR17, CM15, TLW17]. **Multiview** [FG14, MAST15, MBD15]. **Multizone** [CH14, JK15, RBR16]. **Music** [AS17, AB15, CWYC14, DW16, DHYG14, JSYW16, KHCW15, KG16, NWS16, NNS16, NYS17, PAK14, RV14, RRD16, SBV16, SBD16, SY15, TOS14, VML14, YBC14]. **Musical** [ARW16, AB14, FM16, MP16, WED16]. **Mutual** [IIY16, JT14, KHK17, KNH17, RMBK14, TM14, TM16, TK14]. **MVDR** [HMDG15, HIA17, PCB14, SM14]. **MWSG** [KMG17]. **Names** [MK15a, PBQ15]. **Narrow** [AA17]. **Narrow-Band** [AA17]. **Narrowband** [AS15, CE14, JTHN14, LC16b, MX17]. **Natural** [CSJ16, CW16, LF15, RG15b, RKL14, SHD14]. **Naturalistic** [KSH17]. **Near** [ATP16, HJCT15, ZSIA16]. **Near-End** [HJCT15]. **Near-Field** [ATP16]. **Nearby** [YKPM18]. **Nearest** [MSD14, SJK17]. **Nearest-Neighbors** [MSD14, SJK17]. **Neck** [MVH16]. **Neck-Surface** [MVH16]. **Negative** [ATA16, BDV14, DVL17, MD16, ONKP16, ZHX16]. **Neighbors** [MSD14, SJK17]. **Network** [ACRS14, BSR17, CEC15, CLW16, CGK15, DWX16, FLMS16, HW14, KCMW17, LTWT17, LCV16, May18, MZM15, NW15, QTY16, SS16, SBD16, TQY16, XAH14, ZW16a, ZZN16]. **Network-Based** [May18]. **Networks** [AHMJ14, AF18, AM18a, BM17, BRD15, CBA15, CLAG16, CLDM14, CM15, CG17, CPSFC14, CG16, DHCS15, DTL16, GWG14, GRSP17, HKHJS15, JWWF14].
KWGW17, K YTJ17, LC16a, LS14a, LB16, LR17, MMB17, MZX +15, MDY +15, MKA16, NLV16, PDS +16, PHM +17, QBTY16, SWW +17, STS18, SHAGPRZ17, SHD14, SH17a, STBC17, SNS15, VMOL16, WAS14, WS14, WDDL17, WYSD15, XDDL15, ZCY16, ZJD +15, rPH +17.

Neural [AHMJ +14, AF18, ACRS14, BSR17, CLAG16, CLLD14, CLC +15, CM15, CLW +16, CZY +18, CGK15, CG16, DBM15, DWX +16, DTDL16, FLMS16, GWG +14, GRSP17, HW14, HKHJS15, JWLF14, KWGW17, KCMW17, KYTJ17, LC16a, LTWT17, LS14a, LCW +16, LR17, MMB17, May18, MZX +15, MDY +15, MZM15, MKA16, NW15, NLV16, PHM +17, QTY16, QBTY16, RCL18, SWW +17, S16, STBC17, SB16, SNS15, TQY16, TWC +18, WS14, WDDL17, WYSD15, XDDL15, XAHJ +14, ZW16a, ZXD17, ZLJ +17, ZJD +15, rPH +17].

Neurogram [MJZ15].

News [CLC +15].

NMF [BP14, GWG +14, NDV18, SLGZ15, WRDP17].

Noise [AA17, AS17b, AM16, AM18b, AKN +16, BSB14, CC14a, CE14, CD17, CWW14, CZ17, DBK15, DBN +17, EZS14, G15, GB14, GdC14, HH14, HCTJ15, HIA +17, HBL14, JFG +17, JTHN14, JT16, JBC16, KGP14, KAJJC16, KD16, KDJJ16, KDJJ17, LPHCB14, LDGHU14, LS14a, LC16b, LFdDG14, LSH14, MX17, MPAEBLB15, MPC16, MHD15, MHGD15, NW14, NJC16a, PK15, QBTY16, QCWD17, RH18, RG17, RBBG15, SK17, SM14, SGM +15, SEM +14, SGG15b, SHG16, SGH17b, SGH17c, SMVW14, SLW15, SLGZ15, SVZ16, SBVM16, TM16, TH17, TK14, TZZ +15a, TV15, WGD15, WZS14, YBC +14, YKMP18, YGV14, ZSIA16, VZC14].

Noise-Independent [EZS14].

Noise-Robust [AS17b, GI15, LDGHU14, LS14a]. Noisy [AdHTJ16, DH14, FZZ +15, FNA15, HW14, LKHU14, LH14, MGGK17, SGH17a, ZWW14]. Non [ATA16, BP14, BDV +14, DBK15, DVLH17, LSH14, MPAEBLB15, MAP14, MD16, NTM16, NKC16a, ONK16, PSL +16, SOF15, TP16, WJ15b, ZXX +16].

Non-Ergodic [TP16]. Non-Intrusive [PSL +16]. Non-Negative [ATA16, BP14, BDV +14, DVLH17, MD16, ONK16, ZXX +16]. Non-Orthogonal [SOF15]. Non-Parallel [NTM16].


Nonlinearly [AdHTJ16]. Nonmodal [BMVG17]. Nonnegative [BV16, FSO17, HL15, KSK +15, KOS +16, MH16].

Nonparametric [Chi18b, LM15, MIYO14, TV15]. Nonparametrics [OISO14, OY +14].

Nonrecurrent [ZLJ +17]. Nonspeech [AY15, PHM +16]. Nonstationary [NKC16b, OD17, TH17, WAS14].

Nonuniqueness [SK16a]. NOPM [MJZ15]. Norm [ABA17, BV17, DC16, CC14 +14].


Normalized [CI15, KS16, ZHH16, dcSVAGAP15].

Note [NYD17, ONK16]. Notes [WED17].

Novel [BKK15, DV14b, EDO17, LSH14, PCLP14, RJCW17, SR16a, SP16, TG16, WCY15].

Null [PBC16]. Number [OY +14].

Numbers [FM15]. Nutrition [KG17].

[SBG17]. On-the-Fly [EDO17]. One [DTN+14, MJJ+14]. One-Dimension [MJJ+14]. One-to-Many [DTN+14].


Opportunities [Li15]. Optimal [AR16, FWF17, HCJKT15, JBC16, NHK16, JNC16b, SKH+15a, YEY17]. Optimization [ABA17, BC17, CFMM14, DvWDM14, GEC15, Gy14, HKHJS15, JEP14, Lzc+14, RBR16, SLK17, TK14, TR14b, YHO+17]. Optimized [HGT15c, MKA16, MK16]. Optimizing [BA16, BY15]. Order [CASZ17, HB17, Hel14, MIYO14, PCB16a, SAP14, WCY15, WC16a, vMM14, NCC15].


Packet [ISZA15, LC16a]. Packets [FZZ+15]. Page [Anol7c, Anol4i, Anol4j, Anol4k, Anol4l, Anol4m, Anol4n, Anol4o, Anol4p, Anol4q, Anol4r, Anol4s, Anol4t, Anol4b, Anol4c, Anol4d, Anol4e, Anol4f, Anol4g, Anol4h, Anol5n, Anol5o, Anol5a, Anol5b, Anol5c, Anol5d, Anol5e, Anol5f, Anol5g, Anol5h, Anol5i, Anol5j, Anol5k, Anol5l, Anol5m, Anol6a, Anol6b, Anol6c, Anol6d, Anol6e, Anol6f, Anol7b, Anol7d, Anol7e, Anol7f, Anol7g, Anol7h, Anol7i, Anol7j, Anol7k]. Pair [CBCL15]. Pairwise [CL14b, ZZN+16]. Panned [CH14]. Panning [FWF17, MGF18]. Parallel [CE14, JJB16, NTM16, RVB14, ZB14]. Parameter [SLW15]. Parameterization [DV14a, SAP15]. Parameters [EGMN16, PCLP14, WCY15]. Parametric [CRVB+15, DLG18, HSK17, LS14b, MJZ+14, Nos16, NAK+17, PLZL17, STS18, TTB+16, TTH14]. Parametrization [VDM15].


Permutation [KYSTJ17, SDDCC15].
[JRA17, RV14, TP16, XO16]. Processed
[AdHTJ16]. Processes
[GY14, MIYO14, NNL15]. Processing

Processing

Processor [YLD15]. Production
[ACB17, TKT17]. Profiling [PCG17].
Program [Ano17-68, Ano17-69].
Programming [ABA17, BC17, SD16a].
Progressive [CDLX18]. Projection
[FLB16,ZN14]. Projection-Based [FLB16].
Projective [MAST15]. Pronunciation
[CJ15,HBF+16,QMS16,hsWsL15,WsL15]. Pronunciation-Based [HBF+16].
Propagation [TVJ15]. Properties [BS14].
Proportionate
[LG16,PPSG17,ZN14,ZYG+14]. Prosodic
[Chi18a,NAK+17]. Prosody
[CHC+14,CWH+16,HW16,OL15].
Prototype [yLSY+14]. Pruning [TZT15b].
PSD [KDJJ17, KDJJ16, RG17, TH17]. Pseudo [GBH16]. Pseudo-Whisper
[GBH16]. Pseudospectral [BS14].
Pseudospectrum [MKA+14].
Psychological [WWLL14].
Psychophysical [YLD15]. publication
[Ano14-90,Ano14-91]. Pulse [DLG18].
Pulses [PT14]. Purpose [GKC16]. Pursuit
[WZS14].
QIM [LJK17]. Quad [SW16]. Quad-Based
[SW16]. Quadratic [ABA17,BSB14].
Quality [AKG+17,BMVG17, Bre15, KA16, LFU+17, MG15, VP17]. Quantization
[CJ15, MK16, WCY15]. Quasi [ARSA14].
Query [yLSL14,MAP14,WJ15a]. Query-by-Example [MAP14].
Query-by-Singing [WJ15a]. Query-by-Singing/Humming [WJ15a].
Question [ZXH+16].
Radial [ATP16]. Radiance [BRD15].
Radiativity [MSS17]. Radius [JEP14].
Random [yLSL14,NYD17,PMMM15, SAK16, YLL15,ZH15]. Randomization
[BF18]. Randomized [ZH14]. Rank
[BIK+18, CJ15, HOF15, PAK14, PCB16b, SLGZ15, SMVW14]. Rank-Based [PCB16b]. Ranking [LXS18, ZLLS16].

RANSAC [TS14], Rao [SGH17b]. Rapid [KWGW17, VTN15]. Rate [BBM17, CLAG16, CHC+14, JBTL15, LJK17, LCWC16, SH14b, SKH+15b, WD16, ZG16]. Rate-Controlled [LCWC16, CHC+14].


Reduced [HL14, PCB16a]. Reduced-Order [PCB16a]. Reduction [AM16, AM18b, CJ17, HBLc14, JTHN14, JBC16, KD16, LPHCB14, MHD15, MHGD15, MBTB14, NWM16, RBG15, SM14, SGM+15, SEM+14, SGH15b, SGH16, SGH17b, SGH17c, SMVW14, SBVM16, TM16, TK14, YKPM18]. Reference [JJB16]. References [SLOVB15]. Referencing [FFSS17]. Reflecting [SMSV17]. Reflection [MKA+14].

Reflections [TP15, Ter16]. Reflector [RJCW17]. Regression [DHSG15, DTL16, GR14, GHAP17, HGAPB15, JRA17, LS14b, MAL18, PMM15, WS14, XDDL15].

Regression-Based [WS14]. Regressive [HBB17]. Regularity [SBV17]. Regularization [DC16, LGT16, LGHG17, RHydP+16, WGR+18, WCT15].


Relaxation [YLJ16]. Relaxed [LZHN14].


Representation [AGW15, ADM+17, MBD+15, PK14, Rak17, SBS17, SKH15b, VML14, WVL14, ZKA15, ZPP15].

Representation-Based [AGW15]. Representations [BV17, C2ZZ15, CSAR+14, DSM15, PHM+16, RG15a, SY15, YCLS17, YG14, ZXH+16, vHK14]. Representing [WLL15b]. Reproduction [HGT15a, HT15a, JZT16, JK15, KB16, KB17, KFB+14, SR14, SwWRK15, TZA14, VDM15, ZA14].

Reranking [SKK14].
Rescoring [LCW+16]. Residual
[RBBG15, WVCL14]. Resilient [YBC+14].
Resolution [BP14, DTDL16, KKGH16,
RARR15, SKH1+15b, TOS14]. Resource
[Ano16-48, Ano16-49, CM15, HLL15,
HOF15, LGR14]. Resource-Limited
[HLL15]. Resources [DBM15]. Response
[AdM+17, CCR16, LXS+18, TWSS16].
Responses [BA16, DMP+18, KB14,
MCD14, TP15, Ter16, VDC+17].
Restoration [DM16, KSK+15]. Restricted
[NTA15, NTM16]. Results [MBK17].
Retrieval [ARSLN16, yLsL14, sLgyLaC15,
PDS+16, RRdM16, VML14, ZHX+16].

Reverberant
[AGBC14, CASZ17, DW17, FSO17,
JWLF14, LKHU14, MMB17, MGK17,
SAC17, ZW17, ZWW14, ZWW15].
Reverberation [BRD15, DBN+17,
HCJT16, KDJJ16, KDDJ17, LBR16, LYN14,
NR14a, PLZL17, SH14a, SH14b, SGH17b].
Reverberator [PCLP14]. Reverse [DM16].
Reversion [RJCW17]. Review
[MSRN14]. Reviewers
[Ano14-81, Ano15-70, Ano17-67]. Rhythm
[GKC16, HS15, MFG15, NYS17, RDP14].
Rhythm-Based [RDP14]. Rich
[SKK14, ZP15]. Riesz [AS15]. Risk [CY15].
RLS [CC15, ZN14]. RNN [NTA15, SSK17].
RNN-Based [SK17]. Robot [TR14b].
Robots [TR15]. Robust
[AV16, AS17b, AM18b, ATP15, BC17, BE17,
BCC15, CBA+15, CCR16, CZ17, GMH14,
GWG+14, GI15, GBH16, GCvWMJ14,
GB14, GBJ15, HAGSZ16, HH14, HIA+17,
HHC16, HIY16, JFG+17, KG14, KAJC16,
KS16, KD17, KMG17, LWZ+14, LDGHU14,
LS14a, LM15, LMC17, LHZH14, MMB17,
MPAELB15, MPC16, May18, MXZ+15,
MAK15, NW14, NXCL16, Non14, PCB16a,
QTY16, QBTY16, QCDW17, RH18, SH14a,
STH+18, SW16, SKM17, SLW15, TD16,
TZZ+15a, TWSS16, TVJ15, TMKO17,
TS16, WW16, WED16, WYH17, XNG+14,
YGV14, YLY15, ZZH16, ZBC14, ZWW14,
dICSVAGAPM15, VZC14]. Robustness
[Ch18, HGT15c, NW15, SK16a]. Role
[DBM15]. Roles [YW14]. Rolling
[CDA+14]. Room
[ADM+17, BA16, BGOQ+17, BHBS16,
BS14, CCR16, DHCS15, DAmW15,
EGMN16, FdDARF16, HB17, KB14,
MCD14, SAPB15, SRH15, TZA14, TP15,
Ter16, VDC+17, YB14, vMM14]. Rotation
[MGF18]. Rule [ZP15].

S1.11 [YLJ16]. Sample [Bre15]. Sampling
[BBM17, BKK15, WD16]. Savitzky
[KMG17]. Scalable
[MK16, VDC+17, XO16]. Scale
[CL14b, WCC+15]. Scale-Frequency
[WCC+15]. Scattering [DHCS15].
Scenario [ZWX15]. Scenarios
[HOF15, LH14]. Scene
[BRSR17, IO17, MF17, PHM+17, RG15a,
Rak17, RVB+17, YK17, Ano16-52, Ano16-53,
Ano16-54, Ano16-55, Ano16-56, Ano16-57].
Scenes [LLR+16, MHB+18, SMA+17,
SMSV17, TMKO17]. Scheduled [PCG17].
Scheduling [AA17]. Scheme [BKK15].
Schemes [FFSS17, FdDARF16, vMM14].
Score [CJ15, DM16, HXWS15, KH16, LD16,
NNS16, WED17]. Score-Aging [KH16].
Score-Informed [DM16, WED17]. Scores
[VMOL16]. Scoring [CJ15, Cum15].
Screams [SK16b]. Search
[HBF+16, OR16a, ZP15]. Secondary
[AKN+16, GLQ16, GdC14, MX17, WAS16].
Secondary-Path [GdC14, MX17]. Section
[LFH+15, RVB+17]. Segment [WLL+15a].
Segmental [MAP14]. Segmentation
[BLS15, BSL16, BD16, CMY16, DP16,
KJG16, NJC16b, SBV17, TQW+15].
Segmentation [JWL14]. Selection
[BY15, CHWL14, KNH+17, LAK16,
NAK+17, YXY14, ZC14]. Selective
[TH16]. Self [HWRC15, SAA15].
Self-Localization [HWRC15].
Self-Recovery [SAA15]. Semantic
[AVK+15, BM15, DBM15, FGQ+15, HM14,
yLsL14, yLSY+14, SFIL17, WTHJ14, YW14].
Semi
[LGTG16, LGTG17, LAK16, LS14b, ZB14].
Semi-Parametric [LS14b].
Semi-Supervised
[LGTG16, LGTG17, LAK16, ZB14].
Semidefinite [BC17, SD16a].
Semispontaneous [HWC+17].
Semisupervised [DXZ+18, LK16].
Senone
[FLMS16].
Senone-Based [FLMS16].
Senones [JSMD18].
Sensing
[Chi15b, MCD14, WLL+16, WZS14].
Sensing-Based [WLL+16]. Sensitive
[CH16].
Sensor
[AM18a, BBM17, CG17, CPSFC+14, GCG+17, SHAGPRZ17].
Sensors
[BC17, SD16a].
Sentence
[CZG+15, MSFK15, MC17, NAK+17, PDS+16, TQW+15, ZM17].
Sentences
[HS15, RCL18].
Separating
[MGGK17]. Separation
[AV16, AJLW14, AGBC14, BXY14, BV16,
CW14, CY16, DW17, DM16, DTDL16,
ED017, FS017, GVMO17, GRSP17,
HL15, HKHS15, IY16, JSYW16, JVR16,
KSK+15, KOS+16, KYTJ17, KBGAP+16,
LB16, NW14, NW15, NV14, NDV18,
NL16, OOK17, OYJ+14, PSL17, RDP14,
SO15, SGH17c, SGH17a, SKDN14,
SLOVB15, TOS14, TOS14, TS14, WW14,
WNW14, WRC16, WDDL17, WW16,
WRDP17, YLL15, ZW16b, ZZN+16, ZW17,
Ziv15, ZPP15]. Sequence [DDZS17].
Sequences
[BCA15, CR16]. Sequential
[FMD14, GLC+14, RCL18]. Session [HL14].
Set
[RARR15, TD16, WSY14, ZH15]. Sets
[MA16]. Severe [SAB16]. Shift [SKSD14].
Shifting
[HGT15b]. Short
[HCJT15, LWZZ16, PDS+16, YZLY17].
Short-Term [PDS+16, YZLY17].
Short-Time [HCJT15]. Show [DAFS15].
Sign
[KKJN17]. Signal
[Ano14-33, Ano14-34, Ano14-35, Ano14-36,
Ano14-37, Ano14-38, Ano14-39, Ano14-40,
Ano14-41, Ano14-42, Ano14-43, Ano14-44,
Ano15-30, Ano15-31, Ano15-32, Ano15-33,
Ano15-34, Ano15-35, Ano15-36, Ano15-37,
Ano15-38, Ano15-39, Ano16-27, Ano16-28,
Ano16w, Ano16x, Ano16y, Ano16z,
Ano17-38, Ano17-39, Ano17-40, Ano17-41,
Ano17-42, Ano17-43, Ano17-44, Ano17-45,
Ano17-46, Ano17-47, Ano17-48, Ano17-49,
Ano17-50, Ano17-51, Ano17-52, Ano17-53,
Ano17-54, Ano17-55, Ano17-56, BVWW17,
CWW14, DMVP16, EJ16, KSK+15, KD17,
PCW15, RMBK14, SWW+17, SBVM16,
VS14, VDM15, YZLY17].
Signal-Dependent
[DMVP16, KD17].
Signal-to-Noise
[CWW14]. Signals
[AKG+17, BP14, CT14, ESJ17, HTG14,
JD17, LJK17, MP16, NW16, NR14b, SK17,
TOS14, TZZ+15a, VM15, WAS14, XNRG15,
ZG16, Ziv15, vHK14]. SII [HCJT15].
Null [KCMW17, MHD+17]. Similar
[MWT16].
Similarities
[PHM+16]. Similarity
[BA16, BM15, FMD14, FDK15, yLSL14, OR16a].
Simplified
[GLQ16]. Simulating
[LLR+16].
Simulation
[BHBS16, CFMM14, HB17,
Hel14, KBV17, vMM14]. Simulations
[DAMvW15, SwRK15]. Simultaneous
[SM18, TK14, YHO+17]. Singer
[HL15].
Singing
[CWJ16, DAR16, HL15, IY16,
KG16, MTBB15, TOS14].
Singing/Humming
[WJ15a]. Single
[AM18b, BY14, BXY14, CDLX18, DAFS15,
DBN+17, DTDL16, GH17, GRSP17, KG14,
MK15b, MK15c, MK15c, MBK17, PSL+16, SG+15,
Ter16, VP17, WW14, WDDL17, WYSD15,
YPMP18, YLL15, ZPP15]. Single-
[DAFS15]. Single-Channel
[AM18b, BXY14, CDLX18, DBN+17,
DTDL16, GRSP17, KG14, MK15b, MK15c,
MBK17, PSL+16, SG+15, WW14,
WDDL17, WYSD15, ZPP15].
Single-Microphone
[YPMP18, YLL15].
SiPTH [MTBB15]. Size
[AA17, Bre15, CC14a, TM16, ZZH16]. Sized [HWC+17]. Sizes [KKJN17]. Skips
[NNS16]. Slavic [ZP15]. Sliding-[ZJ14].
Sliding-Window [ZJ14]. Slot [MDY+15].
Small
[Bre15, CWH+16, HWC+17, LR17, TD16].
Small-Footprint [LR17]. Small-Sized [HWC+17].
Small-Sized [KKJN17]. Smoothness
[TOKS14]. SMT [ARSLN16]. Snapshot
[Ter16].
SNR
[AY17, EMTF17, HBL, C14, KK14, LM15, MK15b, SFK15, SLGZ15].
SNR-Invariant [LM15]. Social
[LTWT17]. Society
Solution [PCB15]. Solutions [WW15].
Solving [SDDCC15]. Some [ZP15]. Song
[DHYG14]. Songs [FDK15]. Sonority
[SP17]. Sound [APH14, AM18a, ADM+17, BLPL17, CPSFC+14, DTC17, DHP14, EJ16, FPTJ17, HWT+17, JC17, KBV16, KBV17, KMG17, LLR+16, LGTG16, MSS17, MM15, MAB+16, MZX+15, NV14, NDV18, NHK16, OR16b, OFF+17, OIY+14, PLZL17, PS17, PCC17, RBR16, RVB+17, SSKP16, SPM17a, SPM17b, SBG17, TOKS14, TOS14, TH14, TH16, VDM15, WAS16, ZA14, rPH+17, Ano16-52, Ano16-53, Ano16-54, Ano16-55, Ano16-56, Ano16-57]. Soundfield
[JK15, MAST15, TZA14]. Sounds
[CDA+14, TMKO17]. Source
[AV16, APH14, AM18a, AJLW14, ATP16, AB14, AB15, CBA+15, CZY+18, CY16, EDO17, FSO17, FPTJ17, GVMGO17, GRSP17, HKHJS15, JSYW16, JVR16, KOS+16, KMG15, LGTG16, LGTG17, LBR16, NV14, NLV16, OOK17, OIJ+14, PBC14, RJJCW17, SOF15, SGH17c, SGH17a, SP17, SLL+16, SLOV15, SPM17a, SPM17b, TS14, TWSS16, TE16, WDD14, WRC16, WHRC16, YZLY17, ZH15, ZPP15].
Source-Specific [SLL+16]. Sources
[AKB+16, DSG15, D15, DTC17, JC17, KNH+17, LWZ+14, MMB17, MAB+16, MGGK17, NDV18, NHK16, OIJ+14, PHK16, WAS16]. Space
[BDL15, CL14a, FGQ+15, HB17, LFH+15, MAST15, MAB+16, MFG15, MBD+15, WZL+15, WSH15]. Span [JBC16]. Sparse
[AKB+16, AGW15, ADM+17, BV17, BIK+18, Chi18b, CDW16, CSAR+14, CT14, DBK15, FWF17, HL14, HOF15, JSYW16, JK15, JyWGD15, KKK15, LG16, P14A16, S17A14, SLY14, SLGZ15, VDC+17, WAS14, WWCL14, YGV14, ZF14]. Sparsely
[SMSV17]. Sparsity [AGBC14, Bay15, JYB+15, LGHG17, ONKP16]. Spatial
[ATP16, CH18, DMVP16, FLB16, HGT15a, HGT15b, HIA+17, IO17, KMG15, LGHG17, MF17, NV14, RKN14, SAC17, TZA14, TH14, TH16, TTH14, VDM15]. Spatially
[ATP15]. Spatio [ADM+17, JCB15].
Spatio-Temporal [ADM+17, JCB15].
Speaker
[AS17b, CBG15, CL14b, CL17a, CL17b, DAFS15, FMB16, GH17, GHP17, HH14, HGBP15, JJB16, KH16, KCMW17, LM15, LWZZ16, LMC17, LGHG17, LCWC16, LH14, MPC16, MZM15, MSD14, PBQ15, RH18, SH14a, SAB16, STH+18, SDK17, SG14, SKAK16, SAK16, TLMV17, TCM15, TMH+14, VMOL16, WDD+16, YB14, YH17, ZSB17, ZCY16, ZW14, ZWW15, VZC14]. Speaker-Adaptive [HGBP15]. Speaker-Independent [KCMW17].
Speakers [NR14a]. Speaking [CHC+14, JBTL15, LCWC16, TMH+14].

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

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

Spectra [MD16, NXCL16, SGA15, vHK14].

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

Spectrogram [KSK+15, KMG17, PSL17].

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

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


Speech [Ano17-60, Ano17r, Ano17z, Ano17s, Ano17-27, Ano17t, Ano17u, Ano17v, Ano17w, Ano17x, Ano17y, Ano17-57, AS15, ACRS14, AGBC14, ACB17, AZGN14, BVGV15, BFK+18, BXY14, BHS+16, BE17, BD16, CE15, CLAG16, CW14, CHC+14, CHWL14, CRVB+15, CM15, CH15, CWH+16, CLW+16, CMY16, CDLX18, Chi18a, CMG+17, CTL17, CH14, DP16, DLG18, DW17, DBK15, DXZ+18, DTL15, DB15, DTN+17, DTN+14, DBN+17, DH14, DTL16, ESVK17, EYS14, GFG+14, GVMGO17, GI15, GBH16, GC1+14, GCG+17, GJB15, GJ17, HW14, HWW+15, HBB17, HLL15, HCJT15, HS15, HYT+15, HWC+17, HM14, HHC16, ISZ15, JP14, JFG+17, JD17, JVR16, JT14, JT16, JWLF14, JRA17, JvWGD15, KGP14, KK14, KKK15, KS16, KCMW17, KYTJ17, KG14, KG16, KGH16, KG16a, KG16b, KG14, KDJJ16, KDJJ17, LM17, sLGYLaC15, LC16a]. Speech [LKHU14, LW+14, LDGHU14, LS14a, LWZZ16, LJK17, LS14b, LCC+15, LK16, LGR14, LR17, LSH14, MWT16, MPAEBLB15, MJZ15, MK15a, MGGK17, May18, MHD+17, MC17, MH16, MSD14, MD16, MAT15, MDM15, MAK15, MKA16, MK15b, MK15c, MKB17, NW14, NW15, NXCL16, NJC16a, NJC16b, Nos16, NAK+17, OHN16, OWA15, PSL+16, PK15, PNM+16, QTY16, QTBY16, RKL14, RWF16, RKN14, RG18, SV17, SP16, SWW+17, ST18, SSDCC15, SAA15, SM14, SGI15b, SGI15a, SGI16, SKSD14, STBC17, SR14, SAS17, SFIL17, SH17b, SSK17, SKDN14, SKM17, SM18, SLW15, SLS15, SSVZ16, TM14, TTB+16, TLW17, TH17, TJC16, TK17, TK14, TR14a, TE16, VM15, VP17, WWD14, WS14, WNW14, WCC+15, WLL+16, WW16, WDDL17, WTHJ14, WYSD15, WJ15b, WW16, WW17, WRDP17, WHLG14, WZ14, WK16, XDH+17, XDDL15, XDC+17, XAHJ+14, YBC+14]. Speech [YK14, YB14, YLL15, YGV14, YK14, YB14, YLL15, YGV14, YK14, YB14, YLL15, YGV14,
YZLY17, YHO⁺17, ZCF14, ZH14, ZF14, ZCDS15, ZW16b, ZG16, ZZN⁺16, ZW17, ZJD⁺15, ZSIA16, VZC14.

Speech-Distortion [AM18b].

Speech-in-Noise [ZSIA16].

Speech-to-Speech [DTN⁺17]. Sphere [BKK15]. Spherical [AR16, ATP16, DMVP16, EJ16, Hac14, HMN17, HZF17, JTHN14, JSR16, JEP14, JC17, NR14a, SAC17, SR14, SWRKK15, TP15, Ter16, ZKA15].

Speech-Distortion [AM18b].

Speech-in-Noise [ZSIA16].

Speech-to-Speech [DTN⁺17]. Sphere [BKK15]. Spherical [AR16, ATP16, DMVP16, EJ16, Hac14, HMN17, HZF17, JTHN14, JSR16, JEP14, JC17, NR14a, SAC17, SR14, SWRKK15, TP15, Ter16, ZKA15].

Spoken [Ano16-50, Ano16-51, CTLL17, CL18, FLMS16, HS15, KG17, yLsL14, yLSY⁺14, sLGyLaC15, MAP14, MDY⁺15, RV17, SWH⁺17, SHKB17, SLK17, WWL14].

Spontaneous [HWC⁺17, WJ15b, WHLGI4]. Spoofing [CQCDW17, WDD⁺16]. Spotforming [TH16]. Spotting [WTHJ14, WJ15b].


Stacked [WK16]. Stacking [ZZN⁺16].

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

Startle [DMP⁺18]. State [LB16, MSRND14, WHLGI4, WLL15b, YSCZ15, ZJD⁺15].

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