

Itering problem resulting com loop production speci method
journal theory obtained corresponding useful information applications
pattern erence techniques computation words block training
represented frequencies structure sound period sampling
representations probability frame response range cost predictive
transform diagram spectral impulse complex bits process input
computed gain given called language quality spectrum signals discussed
general units coding systems
rates matrix models shown unit quantizer short pitch frequency
follows varying prediction digital linear
phonemes discrete sounds babble noise sequence short digital linear
approach ing segment methods recognition synthesis figure
basis perception shows function asr text fig time hmm log
note also fourier zero state quantization error analysis
thus quantized section window voiceds used model set khz
vector predictor clients form excitation signal
algorithm samples word iter rst xed
basic number coe vocal system
use values order lpc vol tract rate waveform
audio task representation processing
nite adaptive feature

nmf

child

speech

kos

said
school
girl
alice
think

speech

longer soldiers close taking war another already waggons chapter dead sight others captain behind sight others captain back indians smoke death way horse guide indian says valley almost brother near feet ground scarce chance side need towards kin around long comrade troop make take coursesaw put pretty moment made things asked best sorry love david wild came want anything got sort always round matter got society really meet ladies child grand father beautiful suppose would shall suppose eyes looking mind nothing face help thought ever say mean home much queen certain governors doesn't minute took mind looking nothing