

representations task probability corresponding matrix
journal computed approach frequencies impulse applications
selection general resulting speaker hmm spectral words sentence
useful gain phonemes perception block vectors complex
peak varying human method representation predictive
follows diagram structure also quantized parameters quantization
source problem computation language rates models stft zero

speech

process recognition
samples prediction

techniques discrete state window based number lpc synthesis
speci basic sound shows cients sequence word unit
basis size values output asr coe used linear nite system
called period step data voiced tract vocal system
segment spectrum ieee frequency short
string fourier algorithm range noise log
adaptive sampling acoustic using analysis
obtained production predictor pitch
message given response feature signals
example rst function digital model
used vector waveform audio. note vol
loop quantizer ing systems time
discussed quality ing systems time

days wife betty old
west harry woman
polly thought man
papa yet worldsam
house lady life
last fellow mastereven
son family garret
hands morning fine father day
half poor mad
madam squire
heart

speech

girls girl
don come
aunt think good
now must great
looked going shophm
came things saw
anything love child moment
grandfather head
wouldn't kate round
governors mind
beautiful

nmf

soldiers longer
captain almost says
guide others chapter
dead valley brother
place behind indians latter
war enough smoke taking
sun till air war behind indians latter
among need take scarce
around without towards another
plain horses back seen mexico comrade party
fear kin wilder make mexican horse
still men far way near side
may two sight indian already danger
upon colonel frank chance close
will mrs church got eyes ladies
school dear sort home certain
like ruth alice isn't darling suppose
want just really looking
seep room minute
craven yes dress
made fun get mean queen
miss mother right look matter
well little shall face help pretty
tom tell quite always ireland
hopkins society nothing
give money best
meet say doesn't
asked went course door sorry
looked going shophm
came things saw
anything love child moment
grandfather head
wouldn't kate round
governors mind
beautiful

kos

child