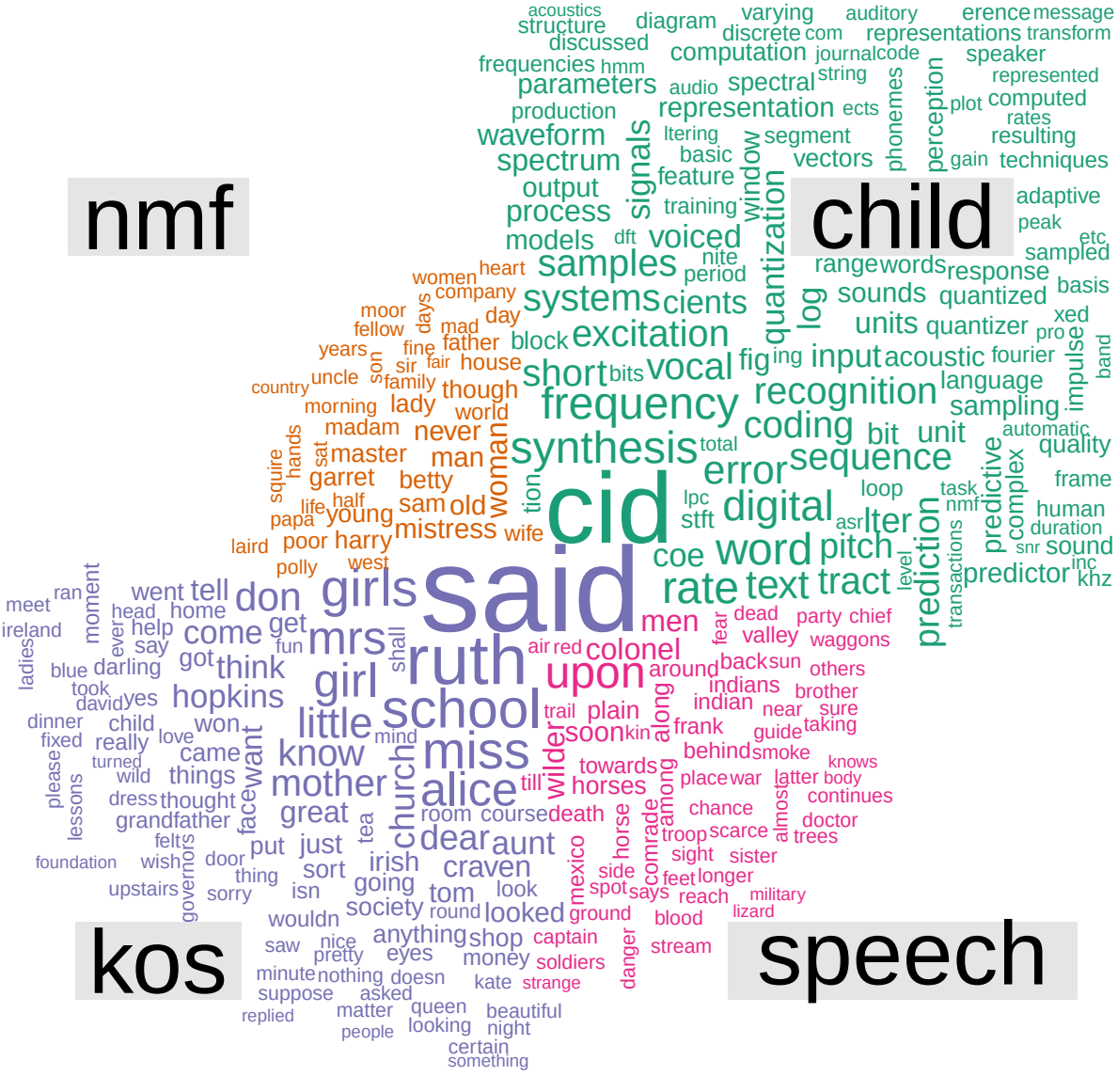
nmf
child
kos
speech
said
cid
ruth
frequency
synthesis
systems
samples
excitation
recognition
coding
sequence
error
digital
word
pitch
text
tract
rate
prediction
predictive
predictor
girls
don
mrs
school
miss
alice
upon
girl
little
mother
know
great
church
dear
aunt
craven
irish
tom
looked
society
anything
shop
money
soldiers
captain
stream
voiced
short
vocal
input
acoustic
language
sampling
quantization
signals
spectrum
waveform
parameters
representation
computation
discrete
varying
auditory
speaker
perception
phonemes
vectors
segment
basic
feature
output
process
models
training
units
quantizer
quantized
sounds
log
impulse
band
bit
unit
quality
frame
human
sound
duration
snr
khz
inc
automatic
complex
transactions
level
loop
task
nmf
asr
lter
stft
lpc
total
never
man
woman
tion
old
sam
young
mistress
wife
half
life
papa
laird
poor
harry
polly
west
fun
shall
mind
room
course
death
tea
horse
side
spot
says
reach
military
lizard
blood
ground
round
wouldn
saw
nice
pretty
eyes
minute
nothing
doesn
kate
strange
suppose
asked
replied
matter
queen
beautiful
people
looking
night
certain
something
danger
soldiers
meet
ran
went
tell
head
home
ireland
help
come
get
say
ever
moment
ladies
blue
darling
got
think
took
david
yes
hopkins
dinner
child
won
fixed
really
love
came
turned
wild
things
please
lessons
dress
thought
grandfather
face
want
felt
governors
foundation
wish
door
put
just
thing
sort
upstairs
sorry
isn
going
tea
room
course
death
horse
side
spot
says
reach
military
lizard
blood
ground
round
mexico
comrade
among
along
soon
kin
wilder
trail
plain
air
red
colonel
around
back
sun
others
indians
brother
indian
near
sure
frank
guide
taking
behind
smoke
towards
horses
place
war
latter
body
knows
continues
chance
almost
trees
doctor
troop
scarce
sight
sister
feet
longer
fear
dead
party
chief
valley
waggons
men
coe
stft
lpc
loop
nmf
asr
lter
pitch
word
text
tract
rate
error
sequence
digital
coding
recognition
frequency
synthesis
cid
short
vocal
input
acoustic
language
sampling
quantization
signals
spectrum
waveform
parameters
representation
computation
discrete
varying
auditory
speaker
perception
phonemes
vectors
segment
basic
feature
output
process
models
training
units
quantizer
quantized
sounds
log
impulse
band
bit
unit
quality
frame
human
sound
duration
snr
khz
inc
automatic
complex
transactions
level
predictive
predictor
prediction
samples
excitation
systems
cients
voiced
models
dft
process
output
spectrum
waveform
representation
computation
discrete
varying
auditory
speaker
perception
phonemes
vectors
segment
basic
feature
training
signals
window
quantization
log
sounds
quantized
units
quantizer
input
acoustic
language
sampling
recognition
frequency
synthesis
coding
sequence
error
digital
word
pitch
text
tract
rate
prediction
predictive
predictor
girls
don
mrs
school
miss
alice
upon
girl
little
mother
know
great
church
dear
aunt
craven
irish
tom
looked
society
anything
shop
money
soldiers
captain
stream
voiced