

V2Pa (1)
 Volt to Pascal

abspec (1)
 Logarithmisches 1D Barkspektrum

abspec2 (1)
 2D Bark spectrum

ad (1)
 A/D Converter

adc (1)
 A/D Converter with calibration

adcal (1)
 Calibration of A/D Converter

adduservars (1)
 Insert user variables

adjust_sweep (1)
 Adjust puls to given position

ai (1)
 Articulation index over time

ai_comp (1)
 Ai computation from 1/3 octave

alspec (1)
 Logarithmic 1D Terz-Spectrum

alspec2 (1)
 2D Terz spectrum

asc2si (1)
 Convert ASCII text file to si++ signal

atg_filecopy (1)
 Copy file

atg_genkey (1)
 Generate private/public key pair

atg_rdport (1)
 Read from port

atg_sign_license (1)
 Sign si++ license file

atg_splashscreen (1)
 Show splash screen

atg_verify_license_signature (1)
 Verify the signature file for an si++ license

audevs (1)
 Print available audio devices

aweight (1)
 A-weighting filter

axis (1)
 Create and manipulate axis widgets

axps (1)
 Axis partitioning and summing

backward (1)
 Revert direction of one axis

bandlevel (1)
 Level in a frequency band

bandpass (1)
 Bandpass filter

bark2 (1)
 Terz filter bank in dB

barkadd (1)
 Bark overlap addition.

barkfilter (1)
 Bark filter bank.

barkmod (1)
 Computes modulation spectrum in Bark bands

barkpart (1)
 Overlap partitioning in Bark

bas2si (1)
 Convert BAS file to si++ signal

bhmfilter (1)
 BHM filter

bin2si (1)
 Convert binary file to si++ signal

bitblt (1)
 Bit masking and shifting

bspec (1)
 Logarithmic spectrum

bspec2 (1)
 Logarithmic short time spectrum over Bark-axis

buildtest (1)
 Generate test script from si++ source

bweight (1)
 B-weighting filter

cal_hammer (1)
 Compute pulse hammer calibration

cal_test2 (1)
 Cal level comp. test

cep (1)
 Cepstrum via fft

cep2 (1)
 Short time cepstrum via fft

cep_per (1)
 Cepstrum via fft (periodic signals)

cfft (1)
 Performs complex fft

check_license (1)
 Check for a si++ license

clip (1)
 Limiter, center clipping, trigger

color (1)
 Spectral weighting

concat (1)
 Concatenate files

config_audio (1)
 Start graphical user interface for audio configuration (d2w)

conv (1)
 Convert type of data (D-Type:)

convolve (1)
 Convolution

copydim (1)
 Insert multiple copies of one dimension

cort (1)
 Calculated order tracking

cortspec2 (1)
 Short time order spectrum

cplot (1)
 Plot multiple si++ signals in 1 tpl

cut_sweep (1)
 Cut out recorded sweep

cutmcterz (1)
 Cut away ring-in and take RMS over time

cweight (1)
 C-weighting filter

d2w (1)
 Start graphical user interface for D2W device

da (1)
 Play sound to D/A Converter
 dat (1)
 Execute a single datsh command
 datsh (1)
 Read DAT Tapes and copy data to files
 db (1)
 Transforms amplitudes to Dezibel and back
 db10 (1)
 Transformes power to Dezibel
 dba (1)
 Dba summation
 dba0 (1)
 Dba0 over in dimension 0 as text
 dba1 (1)
 Dba over in dimension 0
 dbarkmod (1)
 Computes modulation spectrum in Bark bands
 dblindlog (1)
 Converts lin values for db lin log plot
 dbsum (1)
 DB summation in frames
 dcds (1)
 DC downsampling
 decaytool (1)
 Decay time from sweep signal
 decon_sweepII (1)
 Deconvolve sweep
 deemphasis (1)
 DAT deemphasis
 delay (1)
 Manipulate header to delay data
 demotool (1)
 Some si++ demonstrations
 dia2si (1)
 Convert DIAdem File to si++ signal
 diff0 (1)
 Differentiate
 differentiate (1)
 Differentiates time signal by spectral weighting
 dmddiscr (1)
 Computes discriminable modulation of
 ModSpectrum
 doc (1)
 Print short Description of file's data.
 doppler (1)
 Doppler and runtime correction
 ds2 (1)
 Factor 2 s.-rate reduction
 earfb (1)
 Ear like filterbank
 earsim_env (1)
 Ear simulation, adapted envelope
 earsim_mod (1)
 Ear simulation, modulation spectrum
 edcmap (1)
 Create and modify colormaps
 edcsetup (1)
 Create and modify color setups
 edgr (1)
 Si++ FrameMaker Interface
 emphasis (1)
 DAT de-/pre- emphasis
 enbwscale (1)
 Scale according to ENBW.
 energy (1)
 Energy in dB_SPL
 envelope (1)
 Rms in frames of signal
 f3 (1)
 Fast 3rd octave filter
 facf (1)
 Autocorrelation via fft
 facf2 (1)
 Short time autocorrelation via fft
 facf_per (1)
 Autocorrelation via fft (periodic signals)
 famos2si (1)
 Convert famos datafile into a si++ signal
 fast (1)
 Level from time series (FAST Weighting)
 fbandfilt (1)
 Fast band filter.
 fbandspec (1)
 Fast band spectra.
 fccf (1)
 Fast cross-correlation function
 fccf2 (1)
 Fast short time cross-correlation function
 fcnv (1)
 Fast convolution
 fearenv (1)
 Fast ear envelope.
 fft (1)
 Performs cmplx-real or real-cmplx fft
 filter (1)
 Low/high/bandpass filter 1.-10. order
 filter2 (1)
 Filter 2. order
 filterbank (1)
 Bank of (low-/high-/bandpass/notch) filters 1.-10.
 order
 filtmp (1)
 Impuls weighting (DIN 651)
 fixmarker (1)
 Fix channel markers in si++ files
 flevel (1)
 Find level at frequency
 fluct (1)
 Compute fluctuation strength.
 fluctval (1)
 Fluct val. from mod. ampl.
 flufilt (1)
 Fluctuation filter bank
 freqA (1)
 A weighting on spectrum
 freqfilter (1)
 Parametric order filter
 freqmod (1)
 Generate frequency-modulated signal
 freqps (1)
 Frequency partitioning and summing

fw_terzfilt (1)
 Terzfilter with frequency weighting
 fweight (1)
 A/B/C weighting filter
 fweight_old (1)
 A/B/C weighting filter
 fweightx (1)
 Applies a frequency weight function
 gammafb (1)
 Gammatone filter.
 gate (1)
 Remove silence
 gcat (1)
 Cat files and do the same for all recording groups
 gcon2si (1)
 Convert general raw format to si++ signal
 gen (1)
 Generate waveforms
 gen_n_octave (1)
 Generate 1/n octave spectrum
 gen_sweep (1)
 Generates periodic sweep
 getprop (1)
 Report specified header property
 getsample (1)
 Read a single sample
 getsicache (1)
 Find filename in sicache
 groug (1)
 Computation of roughness
 halinfo (1)
 Print hardware info
 hded (1)
 Display and edit si++ headers
 help2tko (1)
 Generate tko-parameter
 hilb (1)
 Calculate Hilbert-Envelope
 hilb_per (1)
 Calculate Hilbert-Envelope of periodic signals
 histo (1)
 Histogram
 hmsfilter (1)
 HMS dummy head filter
 impuls (1)
 Level from time-signal (IMPULS weighting)
 inquire (1)
 Print SCSI device info
 integral (1)
 Integrate
 integrate (1)
 Integrates time signal by spectral weighting
 interpol (1)
 Change sampling frequency and interpolate
 intimp (1)
 Integration and decay computation
 ir2cmtf (1)
 Complex MTF from Impulse response
 ir2sti (1)
 STI from Impulse response
 lautheit (1)
 Lautheit of Time-Wave
 lautheitII (1)
 Lautheit of Time-Wave
 leq (1)
 Leq measurement
 leq_comp (1)
 Computes leq of time series.
 level (1)
 Spl computation
 level_comp (1)
 A/B/C weighting filter
 level_meter (1)
 Sound level meter
 lhinteg (1)
 Integration of Lautheits values
 linter (1)
 Linear interpolation
 lmdiag (1)
 Diagnostic checkout tool
 lmhostid (1)
 Report the hostid of a system
 longleq (1)
 Leq from level with long sliding window
 lpbar (1)
 Compute bars from LPC-Spektrum
 lpconv (1)
 LPC parameter conversion
 lpcspec2 (1)
 Short time LPC spectrum
 lpflt (1)
 Praed.fehler aus Signal oder umgekehrt
 lpspec (1)
 Berechne LPC-Spektrum
 lspec (1)
 Logarithmic spectrum
 lspec2 (1)
 Logarithmic short time spectrum over log-axis
 lspec_per (1)
 Logarithmic spectrum
 mami (1)
 Find Maximum and Minimum, check for NaN and +oo/-oo
 maporder (1)
 Remap to order.
 marker (1)
 Show marker
 mbdev_info (1)
 Test multi band device
 mc (1)
 Calculate mean, variance, min, max, etc.
 mcat (1)
 Concatenate si++ Files
 mcut (1)
 Extract part of si++ file
 mddiscr (1)
 Computes discriminable modulation of time-waveform
 mdfbank (1)
 Modulation filterbank
 mean (1)
 Mean in dimension 0
 mean1 (1)
 Mean in dimension 0
 meanai (1)
 Mean articulation index
 meanpulstrans (1)
 Pulse transfer function

meanspec (1)
 Mean linear spectrum
meanterz (1)
 Terz spectrum in dB
meantrans (1)
 Transfer function
medianf (1)
 Median filter
menu (1)
 Open simenu
mfind (1)
 Find si++ files, copy through filters
mirr (1)
 Exchange dimensions
mktest (1)
 Build and execute test-suite for a source file
mnrgrl (1)
 Adaptive loops with limitation of overshoot
modgen (1)
 Generate modulated signal
monitor (1)
 Display si++ processes and data flow
mpshift (1)
 Cyclic shift with channel dependend pattern
mshift (1)
 Cyclic shift and revers of axis
mspecxpl (1)
 Plot RMS of one dimension
noise (1)
 Generate Random Samples
notch (1)
 Notch filter
oa_levord (1)
 Select orders and level
oa_puls2speed (1)
 Compute rpm function from pulses or take it directly
oa_rpm (1)
 Computes rpm function
oa_rpm1noct (1)
 Computes spec versus rpm function
oa_rpmal (1)
 Computes AI versus rpm function
oa_rpmbandlevel (1)
 Computes band-limited-level versus rpm function
oa_rpmfft (1)
 Computes fft versus rpm function
oa_rpmfftlevel (1)
 Computes band-limited-level versus rpm function
oa_rpmordspec (1)
 Computes orderspec versus rpm function
oa_t_1noct (1)
 Computes 1/3-oct. spectrum versus time
oa_t_ai (1)
 Computes AI versus time
oa_t_level (1)
 Computes level versus time
oa_t_spec (1)
 Computes spectrum versus time
oc (1)
 Calculation, Sample by Sample
oct12spec2 (1)
 2D 1/12. octave spectrum
octspec2 (1)
 2D octave spectrum
onedim (1)
 Throw away all dimensions above 0 and write zeros out
orderspec (1)
 Logarithmic order spectrum
orderspec2 (1)
 Short time order spectrum
ordfilt (1)
 IIR order filter
ovadd (1)
 Overlapp and add
ovpart (1)
 Overlap partitioning.
pad (1)
 Pad with constant samples
passby_distance_time (1)
 Compute distance-over-time function
passby_distint (1)
 Integrate speed to distance
passby_find_trigger (1)
 Compute trigger start point.
passby_level_time (1)
 Calc level from Mic signal
passby_pulse2rpm (1)
 Compute rpm-over-time function
passby_pulse2speed (1)
 Compute speed-over-time function
passby_remap (1)
 Remap from time axis to distance axis
passby_spec2 (1)
 Calc spec2 from Mic signal
passby_terz_time (1)
 Calc terz from Mic signal
pcscan2si (1)
 Convert SONY file to si++ signal
peakpick (1)
 Find peak on periodicity function
penv (1)
 Pseudo envelope
pink (1)
 PINK-weighting filter
pitch (1)
 Computes pitch
plop (1)
 Manipulate plot options
plop_yaxis (1)
 Change Y-Axis from dB to lin, log or dB
plotopt (1)
 Set plot options
polint (1)
 Interpolation and integration or differentiation
psd (1)
 Power spectral density
psdspec (1)
 Power spectral density
psychotool (1)
 Psychoacoustical Analysis
puls (1)
 Generate delta-pulses
pulsepart (1)
 Partitioning into pulses

pulstrans2 (1)
 Transfer function
 putsicache (1)
 Generate filename in sicache
 ramp (1)
 Generates a linear ramp
 rbf2si (1)
 Convert RBF file to si++ signal
 replay_control (1)
 Start graphical user interface for Replay Control
 Panel
 rms (1)
 Calculate and print RMS
 rms0 (1)
 Rms along dim 0
 rms1 (1)
 Rms along dim 1
 rmsspl (1)
 Calculate and print RMS as Sound Pressure Level
 rough (1)
 Computation of roughness (old version)
 roughll (1)
 Compute roughness.
 rough_comp (1)
 Roughness computation stage.
 rough_value (1)
 Does something.
 roughcomp (1)
 Roughness computation stage.
 rpmorders (1)
 Spectra over rpm
 rpmpart (1)
 Rpm-partitioning.
 rpmtool (1)
 Analysis over rpm
 rt_fft (1)
 Windowed fft
 rt_terz (1)
 1/3 octave spectra
 rtweight (1)
 Time weighting for spectra versus time
 save_trans (1)
 Copy file to /tmp/SAVE_DEST
 scale (1)
 Scale every sample with const. factor
 schaerfe (1)
 Psychoakustic sharpness of time waveform
 sdf2si (1)
 Convert SDF File to si++ signal
 setmarker (1)
 Set marker
 sharpn (1)
 According to Aures (1985)
 shepard (1)
 Generate shepard-tone
 show_spec (1)
 Spectrum for display from complex fft input
 showbits (1)
 Print bits
 si++ (1)
 Magic si++ magic
 si2asc (1)
 Convert si++ files to ASCII-Text and print
 si2bas (1)
 Convert si++ File to HEAD acoustics BAS format
 si2dia (1)
 Convert si++ File to DIAdem file format
 si2excel (1)
 Convert si++ files to ASCII-Text for EXCEL
 si2famos (1)
 Convert si++ file to FAMOS format
 si2gnu (1)
 Generate plotfile for gnuplot
 si2rbf (1)
 Convert si++ File to SAGA/RBF format
 si2sdf (1)
 Convert si++ File to HP Standard Data Format
 si2tor (1)
 Convert si++ signal to TORTAS file
 si2uff (1)
 Convert si++ File to UFF
 si2wav (1)
 Convert si++ File to Microsoft Wave-File
 sicache (1)
 Control program for sicache
 sichk (1)
 Check conditions
 sicmp (1)
 Compare si++ Files
 sidc (1)
 SI++ Desktop Calculator
 sidisplay (1)
 Graphic display of given data in a single OpenGL
 windows
 sieditor (1)
 Open editor
 sifmgr (1)
 Open file manager
 signuplot (1)
 Gnuplot for si++ Files
 siinfo (1)
 Print info header
 simenu (1)
 Global menu for interactive use of si++
 siscript (1)
 Interpreter for si++ scripts
 siscript.wrapper (1)
 Interpreter for si++ scripts
 siterm (1)
 Open terminal window
 sitest (1)
 Compare two floats from stdin
 sitrigger_test (1)
 Test sitrigger class
 slow (1)
 Pegel aus zeitverlauf (SLOW Bewertung)
 snrgl (1)
 NachReGeLung, Adaptive Loops (forward
 masking)
 soundlevel (1)
 Computes soundlevel data
 soundpower (1)
 Sound power from 1/3 octave spectra
 soundpowertool (1)
 1/3 octave spectral power analysis
 spdcdisp (1)
 Copy dc slow function

spec (1)
 Logarithmic spectrum
 spec2 (1)
 Logarithmic short time spectrum
 spec_per (1)
 Logarithmic spectrum for periodic signals
 spectool (1)
 Spectral analysis
 speechtool (1)
 Speech analysis tool
 spsoundpower (1)
 Sound power from 1/3 octave spectra
 spterz2 (1)
 Terz filter bank in dB
 stacf (1)
 Short-time autocorrelation
 startmaker (1)
 Start FrameMaker/Viewer/Printer with document
 sweepmod (1)
 Modulates input with sweep
 sweight (1)
 A/B/C spectral weighting
 sx20 (1)
 Sum of squares along dim 0
 sx21 (1)
 Sum of squares along dim 1
 system_diag (1)
 Diagnose the si++ system
 t10band (1)
 Tscheb. bandp 2x10. ord. 1 dB ripple
 t10high (1)
 Tscheb. highp. 10. ord. 1 dB ripple
 t10low (1)
 Tscheb. lowp 10. ord. 1 dB ripple
 t10notch (1)
 Tscheb. stopfilter 2x10. ord. 1 dB ripple
 target (1)
 Generating target curves
 tecbenv (1)
 Technical ear like filter bank
 tecepart (1)
 Technical bark-envelope partition
 tecfb (1)
 Technical ear like filter bank
 terz2 (1)
 Terz filter bank in dB
 terzfb (1)
 Terz filter bank DIN 45652
 terzfilter (1)
 Terz filter bank.
 terzpow (1)
 Energy in terz bands
 terzspec2 (1)
 2D Terz spectrum
 tescon (1)
 Start graphical user interface for TESCON module
 test_argc (1)
 Print commandline parameters
 test_argc_sh (1)
 Print commandline parameters
 test_args (1)
 Args test program
 test_cal (1)
 Test cal class
 test_chan_combine (1)
 Combines 2 spectra into 1
 test_cmdline (1)
 Test class cmdline
 test_datarec (1)
 Print hardware info
 test_digmic (1)
 Combines 2 spectra from a digital microphone
 test_dlist (1)
 Test of Double linked list
 test_fftadd (1)
 Back-fft and sum up frames
 test_freqorder (1)
 Test freqorder class
 test_hd (1)
 Copy files with fstream
 test_hd2 (1)
 Sport tests for header class
 test_level_order_class (1)
 Test for order an level online filters
 test_mmap (1)
 Test mmap()
 test_mutex (1)
 Test atg_mutex class
 test_ndheader (1)
 Ndheader test program
 test_nint (1)
 Print 'value rint(value)' for first number on each line
 test_rtproc (1)
 Test real time processor
 test_siinfo (1)
 Test si++ info header support library
 test_sizes (1)
 Check that various assumptions about variable sizes are true
 test_tescon (1)
 Test serial tescon interface
 test_tpl_print (1)
 Test direct printing from tpl
 test_win_cmdline (1)
 Test popen/system cmdlines
 test_winfft (1)
 Partitioning and fft
 test_wrhd (1)
 Scale every sample with const. factor
 tile (1)
 Replicate samples
 time2nextpos (1)
 Matches next puls-time to each pulse position
 time2nextpuls (1)
 Change times to next pulse position
 tkclear (1)
 Remove interpreter names from X11 root window
 tko (1)
 Generate Window for si++ command
 tksicache (1)
 Display and edit si++ headers
 tmax (1)
 Takt maximum level analysis
 tor2si (1)
 Convert TORTAS file to si++ signal
 tpl (1)
 Display si++ files

tplclone (1)
 Save stdin for tpl
 tran_fct (1)
 Transfer function from complex fft input
 tran_fft (1)
 Computes fft functions for send or receive signal
 trans2 (1)
 Transfer function
 transf (1)
 Transfer function computation
 transfer_comp (1)
 Computes transfer function
 transtool (1)
 Transfer function
 trig (1)
 Compute trigger on time waveform
 trig2speed (1)
 Pulse to frequency transformation
 trig2speed2 (1)
 Pulse to frequency transformation
 trig2speed_old (1)
 Pulse to frequency transformation
 tweight (1)
 Time weight according to IEC 651
 tx (1)
 Multitype preprocessor for si++ programs
 uff2si (1)
 Convert UFF File to si++ signal
 update_uservars (1)
 Update uservars in SI++ files in current directory
 vbf_ls_regression (1)
 Computes regression slope
 vbf_rollsims (1)
 Rollnoise simulation.
 vbf_twist (1)
 Exchange even and odd samples (channels).
 vc (1)
 Calculation, vector and signal
 wav2si (1)
 Convert RIFF WAVE file to si++ signal
 when (1)
 Return point of intersection or maximum
 window (1)
 Multiply with window
 wingen (1)
 Generate Window
 wishpp (1)
 Simple windowing shell

 wmean (1)
 Weighted mean
 wrmean (1)
 Weighted rectangular mean
 x_multi (1)
 Multiple execution of one command using one or two input files of a specified file pattern
 xf_pareq (1)
 Parametric order filter
 xmonitor (1)
 Data-flow monitor for X11
 xpl (1)
 Display si++ Files on X11 Display, wrapper for tpl
 xpl_da (1)
 Da for xpl button
 xpl_xmax (1)
 Maximum along dim 0
 xpl_ymax (1)
 Maximum along dim 1
 xpllpcbar (1)
 Plot LPC-spectra as history-plot
 xprint (1)
 Print X11 Window to PostScript printer
 xyremap (1)
 Xyremap
 zc (1)
 Calculation, signal and signal
 zcross (1)
 Count zero crossings.
 zerocross (1)
 Zero crosses in frames of signal
 zwinteg (1)
 Loudness time integration
 zwlauth (1)
 Lautheit according to DIN 45 631, ISO R 532
 zwlauthII (1)
 Loudness according to DIN 45 631, ISO R 532
 zwlhsp (1)
 Spec. loudness from main loudness
 zwnvd (1)
 Nachverdeckung nach Zwicker
 zwnvdII (1)
 Post-masking according to Zwicker
 zwtimint (1)
 Lowpass for lautheit time integration
 zwtonh (1)
 Tonheits-Spectrogram in dB of Time-Wave