Faust Libraries

analyzer.lib			
	Amplitude Tracking		
		an.	amp_follower
		an.	amp_follower_ud
		an.	amp_follower_ar
	Spectrum-Analyzers		
		an.	mth_octave_analyzer[N]
	Mth-Octave Spectral Level		
		an.	mth_octave_spectral_level6e
		an.	octave_filterbank
		an.	octave_analyzer
		an.	half_octave_filterbank
		an.	half_octave_analyzer
		an.	third_octave_filterbank
		an.	third_octave_analyzer
	Arbritary-Crossover Filter-Banks and Spectrum Analyzers		
		an.	analyzer
basic.lib			
	Conversion Tools		
		ba.	samp2sec
		ba.	sec2samp
		ba.	db2linear
		ba.	linear2db
		ba.	lin2LogGain
		ba.	log2LinGain
		ba.	tau2pole
		ba.	pole2tau
		ba.	midikey2hz
		ba.	pianokey2hz
		ba.	hz2pianokey
	Counters and Time/Tempo Tools		
		ba.	countdown
		ba.	countup
		ba.	sweep
		ba.	time
		ba.	tempo
		ba.	period
		ba.	pulse
		ba.	pulsen
		ba.	beat
	Array Processing/Pattern Matching		
		ba.	count
		ba.	take
		ba.	subseq
	Selectors (Conditions)		
		ba.	if
		ba.	selector
		ba.	selectn
		ba.	select2stereo
	Other		
		ba.	latch
		ba.	sAndH
		ba.	peakhold
		ba.	peakholder
		ba.	impulsify
		ba.	automat
		ba.	Break Point Functions
		ba.	bypass1
		ba.	bypass2
compressor.lib			
	Functions Reference		
		co.	compressor_mono

		co.	compressor_stereo
		co.	limiter_*
delay.lib			
	Basic Delay Functions		
		de.	delay
		de.	fdelay
		de.	sdelay
	Lagrange Interpolation		
		de.	fdelaylti
		de.	fdelayltv
		de.	fdelay[n]
	Thiran Allpass Interpolation		
		de.	fdelay[n]a
demo.lib			
	Analyzers		
		dm.	mth_octave_spectral_level_demo
	Filters		
		dm.	parametric_eq_demo
		dm.	spectral_tilt_demo
		dm.	mth_octave_filterbank_demo
		dm.	filterbank_demo
	Effects		
		dm.	cubicnl_demo
		dm.	gate_demo
		dm.	compressor_demo
		dm.	exciter
		dm.	moog_vcf_demo
		dm.	wah4_demo
		dm.	crybaby_demo
		dm.	vocoder_demo
		dm.	flanger_demo
		dm.	phaser2_demo
		dm.	freeverb_demo
		dm.	stereo_reverb_tester
		dm.	fdnrev0_demo
		dm.	zita_rev_fdn_demo
		dm.	zita_rev1
	Generators		
		dm.	sawtooth_demo
		dm.	virtual_analog_oscillator_demo
		dm.	oscrs_demo
envelope.lib			
	Functions Reference		
		em.	smoothEnvelope
		em.	ar
		em.	asr
		em.	adsr
filter.lib			
	Basic Filters		
		fi.	zero
		fi.	pole
		fi.	integrator
		fi.	dcblockerat
		fi.	dcblocker
	Comb Filters		
		fi.	ff_comb
		fi.	ff_fcomb
		fi.	ffcombfilter
		fi.	fb_comb
		fi.	fb_fcomb
		fi.	rev1
		fi.	fbcombfilter
		fi.	ffbcombfilter
		fi.	allpass_comb

		fi.	allpass_fcomb
		fi.	rev2
		fi.	allpass_fcomb5
		fi.	allpass_fcomb1a
	Direct-Form Digital Filter Sections		
		fi.	iir
		fi.	fir
		fi.	conv
		fi.	convN
		fi.	tf1, tf2 and tf3
		fi.	notchw
	Direct-Form Second-Order Biquad Sections		
		fi.	tf21, tf22, tf22t and tf21t
	Ladder/Lattice Digital Filters		
		fi.	av2sv
		fi.	bvav2nuv
		fi.	iir_lat2
		fi.	allpassnt
		fi.	iir_kl
		fi.	allpassnklt
		fi.	iir_lat1
		fi.	allpassn1mt
		fi.	iir_nl
		fi.	allpassnnlt
	Useful Special Cases		
		fi.	tf2np
		fi.	wgr
		fi.	nlf2
		fi.	apnl
	Ladder/Lattice Allpass Filters		
		fi.	allpassn
		fi.	allpassnn
		fi.	allpasskl
		fi.	allpass1m
	Digital Filter Sections Specified as Analog Filter Sections		
		fi.	tf2s and tf2snp
		fi.	tf3slf
		fi.	tf1s
		fi.	tf2sb
		fi.	tf1sb
	Simple Resonator Filters		
		fi.	resonlp, resonhp and resonbp
	Butterworth Lowpass/Highpass Filters		
		fi.	lowpass
		fi.	highpass
		fi.	lowpass0_highpass1
	Special Filter-Bank Delay-Equalizing Allpass Filters		
		fi.	lowpass_plus|minus_highpass
		fi.	lowpass_plus|minus_highpass
	Elliptic (Cauer) Lowpass Filters		
		fi.	lowpass3e
		fi.	lowpass6e
	Elliptic Highpass Filters		
		fi.	highpass3e
		fi.	highpass6e
	Butterworth Bandpass/Bandstop Filters		
		fi.	bandpass and bandstop
	Elliptic Bandpass Filters		
		fi.	bandpass6e
		fi.	bandpass12e
	Parametric Equalizers (Shelf, Peaking)		
		fi.	low_shelf and lowshelf_other_freq
		fi.	high_shelf and highshelf_other_freq
		fi.	peak_eq

		fi.	peak_eq_cq
		fi.	peak_eq_rm
		fi.	spectral_tilt
		fi.	levelfilter and levelfilterN
	Mth-Octave Filter-Banks		
		fi.	mth_octave_filterbank[n]
	Arbitary-Crossover Filter-Banks and Spectrum Analyzers		
		fi.	filterbank
		fi.	filterbanki
hoa.lib			
		ho.	encoder
		ho.	decoder
		ho.	decoderStereo
	Optimization Functions		
		ho.	optimBasic
		ho.	optimMaxRe
		ho.	optimInPhase
		ho.	Usage
		ho.	wider
		ho.	map
		ho.	rotate
math.lib			
	Functions Reference		
		ma.	SR
		ma.	BS
		ma.	PI
		ma.	FTZ
		ma.	neg
		ma.	sub(x,y)
		ma.	inv
		ma.	cbrt
		ma.	hypot
		ma.	ldexp
		ma.	scalb
		ma.	log1p
		ma.	logb
		ma.	ilogb
		ma.	log2
		ma.	expm1
		ma.	acosh
		ma.	asinh
		ma.	atanh
		ma.	sinh
		ma.	cosh
		ma.	tanh
		ma.	erf
		ma.	erfc
		ma.	gamma
		ma.	lgamma
		ma.	J0
		ma.	J1
		ma.	Jn
		ma.	Y0
		ma.	Y1
		ma.	Yn
		ma.	fabs, fmax, fmin
		ma.	np2
		ma.	frac
		ma.	isnan
		ma.	chebychev
		ma.	chebychevpoly
		ma.	diffn
misceffect.lib			
	Dynamic		

		ef.	cubicnl
		ef.	gate_mono
		ef.	gate_stereo
	Filtering		
		ef.	speakerbp
		ef.	piano_dispersion_filter
		ef.	stereo_width
	Time Based		
		ef.	echo
	Pitch Shifting		
		ef.	transpose
	Meshes		
		ef.	mesh_square
miscoscillator.lib			
	Wave-Table-Based Oscillators		
		os.	sinwaveform
		os.	coswaveform
		os.	phasor
		os.	oscsin
		os.	osc
		os.	oscos
		os.	oscp
		os.	osci
	Virtual Analog Oscillators		
		os.	lf_imptrain, lf_pulsetrainpos, lf_squarewavepos, lf_
		os.	lf_rawsaw, lf_sawpos, lf_sawpos_phase
		os.	sawN(N,freq), sawNp, saw2dpw(freq), saw2(freq), s
		os.	pulsetrainN, pulsetrain
		os.	squareN, square
		os.	imptrain, imptrainN
		os.	triangle, triangleN
	Filter-Based Oscillators		
		os.	oscb
		os.	oscr,oscrs and oscs
		os.	oscs
		os.	oscw, oscwq, oscwc and oscws
noise.lib			
	Functions Reference		
		no.	noise
		no.	multirandom
		no.	multinoise
		no.	noises
		no.	pink_noise
		no.	pink_noise_vm
		no.	lfnoise, lfnoise0 and lfnoiseN
phafla.lib			
	Functions Reference		
		pf.	flanger_mono and flanger_stereo
		pf.	phaser2_mono and phaser2_stereo
pm.lib			
		pm.	chain(A:B:...)
		pm.	Requires
		pm.	input(x)
		pm.	output()
		pm.	terminations(a,b,c)
		pm.	Requires
		pm.	fullTerminations(a,b,c)
		pm.	Requires
		pm.	leftTermination(a,b)
		pm.	Requires
		pm.	rightTermination(b,c)
		pm.	Requires
		pm.	waveguide(nMax,n)
		pm.	idealString(length,reflexion,xPosition,x)

reverb.lib			
	Functions Reference		
		re.	jcrev and satrev
		re.	mono_freeverb
		re.	stereo_freeverb
		re.	fdnrev0
		re.	zita_rev_fdn
		re.	zita_rev1_stereo
		re.	zita_rev1_ambi
rou	error not si		
	Functions Reference		
		ro.	cross
		ro.	crossnn
		ro.	crossn1
		ro.	interleave
		ro.	butterfly
		ro.	hadamard
		ro.	recursivize
signal.lib			
	Functions Reference		
		si.	bus
		si.	block
		si.	interpolate
		si.	smooth
		si.	smoo
		si.	polySmooth
		si.	bsmooth
		si.	lag_ud
		si.	dot
spat.lib			
		sp.	panner
		sp.	spat
		sp.	stereoize
synth.lib			
		sy.	popFilterPerc
		sy.	dubDub
		sy.	sawTrombone
		sy.	combString
		sy.	additiveDrum
		sy.	additiveDrum
vaeffect.lib			
	Functions Reference		
		ve.	moog_vcf
		ve.	moog_vcf_2b[n]
		ve.	wah4
		ve.	autowah
		ve.	crybaby
		ve.	vocoder