

MORPHEUS Z-PLANE FILTER DESCRIPTIONS

The Z-Plane filters are categorized into groups of: Flangers, Vowel Filters (Diphthongs), Traditional Filters, Parametric Filters and a large number of Complex Filters emulating actual Instruments.

A suffix of "4" or ".4" indicates the filter is a square, not a cube and therefore does not contain a Transform 2 axis.

FLANGERS

Members of this filter family contain a series of notches with various depths, widths and frequencies. The traditional flange effect is created by sweeping different frequency notches with a real time controller. Another application for flangers is enhanced dynamic expression at note-on by using velocity to modulate the frequencies of the notches and overall cut-off. These filters can simulate different pick positions on guitar strings and various locations of drum, mallet and cymbal strikes, etc.

F000	Null Filter	F011	BriteFlnge.4
F001	Low Pass Flange.4	F012	FIng>FIng1
F002	Low Pass Flange Bk.4	F013	0>FIng2
F003	Flange 2.4	F014	FIng>FIng3b
F004	CubeFlanger	F015	FIng>FIng4
F005	Flange 3.4	F016	FIng>FIng5
F006	Flange 4.4	F017	FIng>FIng6
F007	Flange 5	F018	FIng>FIngT
F008	Flange 6.4	F019	FIng>FIngC
F009	Flange 6R.4	F020	CO>FIngT
F010	Flanger 7.4		

DIPHTHONGS

Implemented with parametric equalizer subsections, the resonances do not have the traditional overall lowpass effect that a true vocal resonance would have. Instead, they are placed at the same frequency as the resonances would be found in a true vowel, but the response at high frequencies is essentially flat to allow high frequencies of the samples to get through the filter.

The Morph axis controls movement between vowels. Key tracking is controlled by Frequency Tracking. Brightness and depth of effect is controlled by Transform 2. In certain filters, brightness is controlled by assigning velocity to Frequency Tracking. Each paravowel "A" contains peaks at 800, 1150, 2800, 3500 and 4950Hz. Each paravowel "E" contains peaks at 400, 1600, 2700, 3300 and 4900Hz. Each "O" has peaks at 450, 800, 2830, 3500 and 4950Hz. Each "U" has peaks at 325, 700, 2530, 3500 and 4950Hz.

F021	AEPArLPVow	F033	Bassutoi.4
F022	AEPArVowel	F034	Be Ye.4
F023	AOLpParaVow	F035	Ee-Yi.4
F024	AOPArVowel	F036	Ii-Yi.4
F025	AUPArVow.4	F037	Uhrרה.4
F026	UOPArVow.4	F038	YeahYeah.4
F027	SftEOVowel4	F039	Vow>Vow1
F028	SoftEOAE	F040	Vow>Vow2
F029	Vocal Cube	F041	YahYahs.4
F030	C1-6 Harms4	F042	YoYo.4
F031	Voce.4	F043	VowelSpace
F032	ChoralComb4		

STANDARD

These filters are variations on traditional 2 and 4-pole filter models.

F044	BrickWallLP.4	F057	HPSweep.4
F045	BrickWall LP2	F058	HiSwept1.4
F046	MdQ 2PoleLP	F059	HghsSwpt2.4
F047	HiQ 2PoleLP	F060	HighAccent.4
F048	MdQ 4PoleLP	F061	HiPassSweep.4
F049	HiQ 4PoleLP	F062	Deep Combs
F050	2poleLoQLP4	F063	One Peak
F051	4 PoleLoQ.4	F064	More Peaks
F052	4PoleMidQ.4	F065	Rev Peaks
F053	2p>4p 0	F066	Notcher 2.4
F054	LowPassPlus	F067	Ntches2Oct4
F055	Low Past.4	F068	Odd>+
F056	APass.4	F069	VarSlope.4

EQUALIZATION FILTERS

Most of these filters are variations of traditional parametric EQ filters.

F070	BassEQ 1.4	F073	BassDrumEQ
F071	B BOOST.4	F074	Snare LPEQ2
F072	BssBOOST2.4	F075	HiHatLPEQ

COMPLEX FILTERS

Many of these filters have never existed for musical applications before!

F076	HP LP PZ	F137	Nexus.4
F077	PZ Notch	F138	Krators.4
F078	Band-aid	F139	Harmonix.4
F079	LowQHiQ	F140	GreenWorld4
F080	Wah4Vib.4	F141	Comb/Swap.4
F081	WaWa	F142	Comb/HP.4
F082	BrassRez.4	F143	Swirly
F083	Clr>Oboe	F144	Cavatate.4
F084	0>Muter	F145	GentleRZ4
F085	PZ Syn Horn	F146	Bendup/Swap
F086	HP Brass	F147	Bendup
F087	BrassyBlast	F148	SKWEEZIT
F088	BrassSwell	F149	Lo/High4
F089	BrsSwell2.4	F150	SbtleMvmnt4
F090	LoVelTrum	F151	Buzzy Pad.4
F091	Chiffin.4	F152	Bw5kHz+6.4
F092	ShakuFilter	F153	Bw65Hz/2k.4
F093	Cym	F154	Bb80Hzbw1.4
F094	VelMarim	F155	HighsTwist4
F095	EZ Vibez.4	F156	Cubix
F096	Piano 01	F157	Intervallc4
F097	PianoFltr4	F158	EvenCuts4
F098	EZ Rhodez4	F159	OddCuts.4
F099	MoogVocodr4	F160	PWMtrans.4
F100	MoogVocSwp	F161	HiEndQ.4

COMPLEX FILTERS

F101	StrngThing4	F162	BroadRes.4
F102	StrSweep.4	F163	RubberHose4
F103	BassXpress	F164	HeeghCube
F104	Qbase.4	F165	NoizCube
F105	AcGtrRs.4	F166	VelctyTilt
F106	Tube Sust.4	F167	SynthWow4
F107	GtrSkwk	F168	CntrySweep4
F108	GuitXpress	F169	Diffuser4
F109	FG MajTrans4	F170	MdlySweep4
F110	Tam	F171	StrongShimr
F111	HOTwell.4	F172	Acc.Vel-1
F112	Bell.Waha	F173	Acc.Vel-2
F113	Belwahb	F174	Vel2-Wind
F114	0>Bell-Morph:	F175	Harmo
F115	0>Bell+	F176	Start>EndA
F116	Bel>Crs>Bel	F177	Start>EndB
F117	Chrs>Fng1	F178	MovingPick1
F118	Chrs>Fng2	F179	MovingPick2
F119	Ev/OdNtch.4	F180	Mph+Trns1
F120	Odd/EvnNtch	F181	0>Odds
F121	NotchPkSwp4	F182	Comb Voices
F122	1.5/3KNBPR4	F183	Odd-Ev Hrm
F123	Swingshift	F184	OddHrm+rez
F124	500up.4	F185	EvnHrm+rez
F125	C1Harmonic5oct.8R	F186	MellowPeaks
F126	Odd>Even	F187	AHmBnd.4
F127	0>Shp1	F188	Vintage
F128	0>Shp2	F189	MildQPole
F129	0>Shp3	F190	Bonk>CO
F130	Shp>Shp1	F191	Speaker
F131	Lpeq Vel	F192	Expander
F132	CleanSweep4	F193	Separator
F133	PowerSweeps	F194	MildPolSwap
F134	TSweep.4	F195	PoleCross.4
F135	SweepHiQ1.4	F196	ApDistB6.4
F136	V>FcQuad.4	F197	TubeJam.4