anything else like SYB3 waveshaper?

by **charmonder** » 04 Oct 2012, 18:57

mode 9 in particular is one of my favorite effects. I was pretty sure the waveshaper on SYB5 is another internal oscillator whereas the SYB3's wave shaper is more like a fuzz effect. (is this true?)

Any boss experts here know of any boss multis or rack effects that have waveshaping like the SYB3?

charmonder

Re: anything else like SYB3 waveshaper?

by **Pepe** » 04 Oct 2012, 21:29

Welcome to the forum!

Once fiddled in, the waveshaper mode of the SYB-3 can sound really nice, I agree! The positive thing is that it works polyphonic as well. I did never really care how it works in particular, but the English Wikipedia has an article about the waveshaper in general:

http://en.wikipedia.org/wiki/Waveshaper

It seems to be a mathematical thing, so no oscillator if I understand it correctly.

Do you have both the SYB-3 and SYB-5? If not, our member nathanscribe may be the one to ask for the differences in both models concerning the waveshaper mode. I *only* have the SYB-3. Very cool device, though I don't use it that much. This one that I have is my third exemplar. I sold my earlier pedals, because I didn't really use them - and both times I felt bad, because it is such a lovely device. I prefer the oscillator modes, though!

I don't know if the multi effects pedals of BOSS or Roland feature a waveshaper mode. The only other waveshaper-like effect that I have is in the KORG AX30G (or AX300G). It is a multi effects pedal with some very nice and uncommon effects programs. There's the "Hyper Resonator" on board which seems to be some kind of a waveshaper - most certainly it is just that. Very cool sounding! Maybe it is the same waveshaper algorithm that KORG used for the follow-up model of the M1 (their first workstation), the 01/W, because of the lack of resonance of the digital filter. Good digital filters with resonance weren't available at that time (at least I don't know of one).

The BOSS SE-70 provides "Bass Synth" and "Guitar Synth", but I don't know what these programs are. I wasn't surprised if it is a waveshaper as well. The same goes to the Ibanez "Synthesizer Bass" SB-7. There's no oscillator inside, just a waveshaper. Didn't convince me when I tried one years ago. I already had the SYB-3 for quite a while when I tested the SB-7.

Pepe

Re: anything else like SYB3 waveshaper?

by **charmonder** » 05 Oct 2012, 06:28

that wiki page is eye opening! somehow it never occurred to me this is an entire category of synthesis. I'll have to read up on it because it seems like someone smarter than myself could just make waveshaper patches in max/msp. I guess now I'm looking at three distinct categories of guitar synth pedals 1)internal oscillator, 2)fuzz +octave+filter/etc like ehx microsynth 3) digital waveshaping.

charmonder

Re: anything else like SYB3 waveshaper?

by **Pepe** » 05 Oct 2012, 13:00

Maybe this will raise some interest as well:

This is said to be one of the best bass synthesizer pedals ever made, if not THE best! It's in the Top Ten of my GAS list (and this list is long).

Pepe

Re: anything else like SYB3 waveshaper?

by **charmonder** » 05 Oct 2012, 14:44

http://www.youtube.com/watch?v=n_amtKwmzOY&t=2m8s

that thing sounds amazing

charmonder

Re: anything else like SYB3 waveshaper?

by **Dirk** » 05 Oct 2012, 17:00

I also read somewhere that Jason Newsted used one of those on Metallica's Load album, I just don't know what song.
It was probably blended in with a regular bass sound.

But what a great vintage looking unit, Pep!

Dirk

Re: anything else like SYB3 waveshaper?

by **Pepe** » 05 Oct 2012, 18:03

Vintage? The G-series is from the late 90's! Is that vintage already?!

Pepe

Re: anything else like SYB3 waveshaper?

by **charmonder** » 05 Oct 2012, 20:46

not sure how I overlooked this one:
http://www.bossarea.com/other/wp20g.asp

I guess I never had an interest in the polyphonic pickup thing. the manual doesn't comment exactly but I think it's safe to assume its a wave shaper. listening to soundclips it doesn't appear to have any slight latency or tracking errors so it must not be oscillator tracking the signal. the ring mod setting sounds almost exactly like squarepusher's bass sound on ultravisitor.

charmonder

Re: anything else like SYB3 waveshaper?

by **Dirk** » 06 Oct 2012, 08:33

> *Pepe wrote:*
> *Vintage? The G-series is from the late 90's! Is that vintage already?!*

In 5 years it will be.

Dirk

Re: anything else like SYB3 waveshaper?

by **charmonder** » 18 Oct 2012, 16:32

I found a good deal on the syb5, and the waveshaper mode is also really great.
It's a similar fuzz texture, but it responds to chords in a very different way. The downside to the syb5 waveshaper is that it only has a triggered filter decay, whereas the syb3 has a proper envelope follower. I will be first in line if there is an syb-6

charmonder

Re: anything else like SYB3 waveshaper?

by **WhereBoysFearToTread** » 19 Oct 2012, 16:33

I had a SYB-3 for a while and tried using it with guitar.
I really couldnt get it to work at all that way.

WhereBoysFearToTread

Re: anything else like SYB3 waveshaper?

by **Pepe** » 19 Oct 2012, 17:13

Well,it says ***BASS*** *Synthesizer* for a good reason.

The octave down modes sound quite nice with guitar, though! And with the *T* Wah mode and the wave shaper you can achieve a few nice sounds with guitar as well.

Pepe

Re: anything else like SYB3 waveshaper?

by **nathanscribe** » 19 Oct 2012, 18:03

Even on a bass, the tracking is not great higher up the scale. Also depends on how you've got the pickups dialled in and playing style (or in my case, ability). As long as you hit clean notes and stay away from the top, I found both the 3 and 5 to do a decent job. In the end I didn't feel the need for them and sold them both, but I didn't have a preference for either - there are slight differences that would perhaps be better combined into one pedal.

nathanscribe

Re: anything else like SYB3 waveshaper?

by **charmonder** » 20 Oct 2012, 18:18

EDITED, some info corrected:

I can't get enough of it. I looked at all the boss multi effects manuals looking waveshapers, it seems boss replaced the 'brass' and 'bowed' oscillator settings from GT-3 and GT-5 with wavehapers versions starting with the gt-6. and then all GTs since the gt-8 have a dedicated wavesynth effect. The latest Gt-100 and GT-10b have wavesynth but don't have the brass and bowed.

ME-8B is an oddball, seems to have 4 unknown waveshaper modes

If anyone wants to correct this information or knows of other multis with waveshaper please add. I think I might be looking at the rolang VG series

charmonder