

## Holy City Audio Forum

Former Home of SpinCAD Designer

[Skip to content](#)

Search...

[Advanced search](#)

[\[ Moderator Control Panel \]](#)

### Abs / Rectify Block

Post a reply

Search this topic...

2 posts • Page **1** of **1**

- [Edit post](#) (./posting.php?mode=edit&f=31&p=1873)
- [Delete post](#) (./posting.php?mode=delete&f=31&p=1873)
- [Report this post](#) (./report.php?f=31&p=1873)
- [Warn user](#) (./mcp.php?i=warn&mode=warn\_post&f=31&p=1873&sid=d6d1dcc4501596550704606791e62b4c)
- [Information](#) (./mcp.php?i=main&mode=post\_details&f=31&p=1873&sid=d6d1dcc4501596550704606791e62b4c)
- [Reply with quote](#) (./posting.php?mode=quote&f=31&p=1873)

#### Abs / Rectify Block (#p1873)

by **disasterarea** » Sun Oct 12, 2014 7:05 am

How about a way to access the ABSA opcode? Feeding a sine LFO into an ABSA results in a hypertriangular output, which is great for flangers and slow phasers. The Power block is great for adding logarithmic response to control inputs, but ABSA would be invaluable for quite a few tasks.

edit: Is the "Octave" block accomplished with ABSA? I couldn't find anything else that was even close.

Example (by slacker)

```
ldax pot0                ;read pot0, if it's zero accumulator will be zero else it will be positive
skp zro, MANUAL          ;if zero skip to MANUAL otherwise do LFO stuff

mulx pot0                ;multiply it by its self a few time to get a nicer taper, needs work
mulx pot0
sof 175/511,0.2/511      ;set minimum and maximum rates
wrax sin0_rate,1         ;write to sin0 rate
cho rdal,sin0            ;get sin0 value
absa                     ;rectify to give a positive "hyper triangle"
mulx pot1                ;multiply by pot1 for variable range
sof long/32767,short/32767 ;scale LFO output and shift so it sweeps between the short and long times
wrax modpos,0            ;write to modulation register
skp gez,FLANGER          ;accumulator will always be positive so skip to FLANGER
```

Top

- [Edit post](#) (./posting.php?mode=edit&f=31&p=1874)
- [Delete post](#) (./posting.php?mode=delete&f=31&p=1874)
- [Report this post](#) (./report.php?f=31&p=1874)
- [Information](#) (./mcp.php?i=main&mode=post\_details&f=31&p=1874&sid=d6d1dcc4501596550704606791e62b4c)
- [Reply with quote](#) (./posting.php?mode=quote&f=31&p=1874)

#### Re: Abs / Rectify Block (#p1874)

by **Digital Larry** » Sun Oct 12, 2014 9:41 am

Good call, Octave Fuzz is in fact nothing more than an ABSA.

Top

Display posts from previous:

Post a reply

2 posts • Page **1** of **1**

[Return to SpinCADBlocks](#)

Jump to:

Quick-mod tools:

#### Who is online

Users browsing this forum: **Digital Larry** and 0 guests

Powered by phpBB® Forum Software © phpBB Group

[Administration Control Panel](#)