

Thread Rating:



adjustable zener bias and squash fix trick

MarkdB

Unregistered

11-30-2005, 04:31 PM

#1

Has anybody here tried Dutch Van Zile's "adjustable zener bias and squash fix" trick for their cathode biased amp?

http://www.nyquist-plot.com/displaygif.asp?content=Zener_bias_trick

Does it work? It seems to me that he is converting from a cathode biased amp, to an adjustable fixed biased amp with a cathode resistor. Will not this eliminate the bias shift that is normally associated with cathode bias, and hence the 'compression' as the amp gets driven?

[Reply](#)

Zaphod

Unregistered

11-30-2005, 04:42 PM

#2

It actually allows you to chose the degree of squishiness you want. The simplest form of this type of circuit just puts a zener and a resistor in series, in place of the usual cathode resistor. I have tried this myself in a P1-ish amp and I like to call it "zener-assisted cathode bias". The amount of squish vs stiffness you get is then the ratio between the zener voltage and the resistive voltage.

On 11/30/2005 @ 18:31, MarkdB wrote :

Has anybody here tried Dutch Van Zile's "adjustable zener bias and squash fix" trick for their cathode biased amp?

:

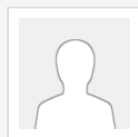
: http://www.nyquist-plot.com/displaygif.asp?content=Zener_bias_trick

:

: Does it work? It seems to me that he is converting from a cathode biased amp, to an adjustable fixed biased amp with a cathode resistor. Will not this eliminate the bias shift that is normally associated with cathode bias, and hence the 'compression' as the amp gets driven?

--

[Reply](#)



Stephen Keller

Posting Freak



Posts: 1,563
Threads: 58
Joined: Oct 2019
Reputation: 0

11-30-2005, 10:38 PM

#3

Hm... now here is an ambitious project on the same site:

<http://www.nyquist-plot.com/images/Zaphod.pdf>

Any relation Zaphod?

Stph

[Find](#)

[Reply](#)

[Report](#)