

Re: Tone controls

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On 28 Mar 2007 21:52:05 -0700, ZZactly@xxxxxxx wrote:

In another thread which google ½ FUBARed, tone controls were mentioned.

Pots are the best way to control audio.

Now I never built this circuit but let me splain it. I want opinions, and number one is audio quality. cost does not matter.

I wanted a bass control with extreme range and a continuously variable turnover. Rather than playing around with the geometry of the components I simply amplified the signal about 20dB, and resistively divided it back down, and sent it through a low output impedance buffer. Put the R/C network at the slider and a rheostat determined the crossover frequency. At the time I figured getting tightly matched stereo pots was hard enough, I didn't need to complicate it.

The specs boiled down (it took a while to do the math) to ± 18 dB from 0Hz to a variable crossover of 44 to 484 Hz.

I know idiots blow speakers if you give them a control like that, but I would still like to build one just for the hell of it.

Can you still buy pots ? I'll take just about any resistance and build around it at this point.

Actually my system is so flat from about 30-16,000 or so, I only want those extreme ends boosted, nothing else. Even a 12 band EQ will not do that.

A good parametric will. Yes, you can still buy pots.

Kal

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