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Subject: Re: 7 Pi impedance range

Posted by [Wayne Parham](#) on Fri, 12 Feb 2010 03:38:52 GMT

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It really is a nice impedance curve for tube amps, without any real peaks. It's scaled to show what

That's really good. Most loudspeakers have peaks of at least twice this high, and only the most well behaved speakers are even that.

tube amp. That's really important, because amps like those have relatively high output impedance - a couple ohms, typically - and this forms a voltage divider with the load.

When the load impedance fluctuates a lot, the voltage division proportions change between source and load, and this causes response fluxuations. A ten-fold change is pretty significant, and can be seen in the response. But a two-fold change is nothing. It's rare to find a speaker that's as flat as that, but it's an important attribute to consider when using low-power SET amps.