Subject: Re: Motor braking
Posted by Wayne Parham on Mon, 03 Dec 2012 07:04:55 GMT
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It's more complicated than that, but autotransformers do provide impedance matching, whereas resistors simply impede current flow. The impedance interacts with the output circuit (tube/transformer) in the amplifier, which ultimately is the thing that provides the most electrical damping.

I think the most important thing to consider is the fact that low-power tube amps cannot provide much damping, so a loudspeaker that has wild impedance swings will cause frequency anomalies because of the voltage division between load and source impedance.