
Subject: Re: Alpha 10 modeling

Posted by [Wayne Parham](#) on Wed, 21 Dec 2011 02:28:48 GMT

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Like I said, I think your model is probably pretty good at this point. While I wouldn't generally suggest designing a speaker to operate near x_{lim} full time, I would say that exceeding x_{max} in this speaker isn't terribly objectionable. This speaker doesn't sound bad when the $\sim 60\text{Hz}$ region is between x_{max} and x_{lim} at high volume levels. And as I said earlier, you'll reach the thermal limit before the mechanical limit with these speakers, unless you lean on them below the Helmholtz frequency. They're safe at that level, all day long.

What does the response curve look like with your current model?