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Subject: Re: High frequency dispersion and driver size  
Posted by [hurdy\\_gurdyman](#) on Thu, 29 Mar 2007 14:54:04 GMT  
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This brings up something I've wondered about for some time. The simple way of calculating this by using driver size and frequency is what applies to a rigid piston (more or less). What about big wide range cone drivers that are designed to have the center part vibrate better at high frequencies, such as the ones using concentric rings in the cone? The highs coming out of the center are filtered out toward the edge of the cone. Does this make the center of the cone act more like a smaller driver and thus have wider dispersion than what the simple formula would predict? If so, would it be enough difference to be greatly noticed? I've wondered about this for some time, as I haven't noticed severe dispersion problems on twelve and fifteen inch drivers that are crossed way higher than common theory would suggest their limits are. Maybe it's just me.  
Dave

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