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Subject: Re: Hi-Efficiency vs Lo-Efficiency Speakers  
Posted by [Earl Geddes](#) on Tue, 11 Jan 2005 00:28:02 GMT  
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WayneWe seem to see things differently and I don't want to be argumentative, but here are the places that we differ on. A shorting ring is purely resistive, no reactance at all. Hence there can not be any time constants associated with it. I don't agree that the flux has to be symmetrical for a shorting ring to work. I don't even agree that a symmetrical flux is even necessary at all. Sure if it is symmetrical the second harmonic will be reduced, but the third will go up. I have no data to show that this is a subjective improvement. Honestly, from the data that I have virtually all long held beliefs about nonlinear distortion are incorrect. Time will tell.

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