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Subject: Re: Golden ratio for loudspeaker cabinets

Posted by [Wayne Parham](#) on Wed, 13 Oct 2010 17:49:11 GMT

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Odd shapes help breakup standing waves, yes, much the same as the Golden Ratio proportions do. Both have the same goal. Internal damping from properly placed acoustic insulation helps a lot too.

You can make the height have 1.618-to-1 ratio to the width, and width be 1.618-to-1 with respect to depth. Or you can angle a panel. Or both. Just remember, though, that these are helpful hints, suggestions to put you in the ballpark, so to speak. You may still have a standing wave node that influences response even with Golden Ratio or trapezoidal box shape. For best results, you should measure the cabinet acoustically to be sure, making adjustments as necessary.