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Subject: Re: A fact

Posted by [Wayne Parham](#) on Thu, 22 Dec 2005 02:55:41 GMT

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What I am saying is that the desired coverage pattern is wider than it is tall in nearly all cases. So I find it desirable to use horns that will provide this. A DI matched two-way loudspeaker is a nice compromise solution that does provide some degree of uniformity through the crossover region, but that's about it. I prefer to limit vertical dispersion more than a DI matched loudspeaker with an axisymmetric horn will allow. By the way, at 500Hz, with DI at 6dB, the radiation angle is still so wide that early reflections are significant in both the horizontal and vertical axis. There's no way around that in a DI matched two-way loudspeaker system. Regardless, I still find DI matched two-way speakers to be a good compromise of size and performance. I just don't like using axisymmetric horns.

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