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Subject: Re: Constant directivity tweeter horns and waveguides

Posted by [Randy](#) on Wed, 02 Apr 2008 18:46:42 GMT

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"If the sound source was a perfect radiating sphere of acoustically small dimensions and the throat was conical and acoustically small, I think all wavefront propagation through the horn would be this way. Or if it generated perfect planar waves and the exit was a tube, either way." Compression drivers use of the phase plug is to make wavefronts diverge to approximate a planar wave AFAIK. However, cones and domes make omnidirectional spherical waves. From this I would think a pure conical horn would be the best way to load a dome or cone driver. Your thoughts? Randy

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