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Subject: Re: ?More Horn Questions?

Posted by [Wayne Parham](#) on Wed, 18 Apr 2007 02:51:40 GMT

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You don't have to really worry about what curvature might be approximated with Hornresp. Just model the horn using its actual dimensions and see what it does. About the pattern, if the horn has straight walls and is very large, then the pattern is set by the wall angle. When made small enough that the mouth acts as a diffraction slit at the lower end of the passband, then pattern will narrow slightly, then widen. By making a section of the flare near the mouth widen, you can reduce the narrowing of the pattern, just before the horn loses pattern control entirely.

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