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Subject: Re: Both!

Posted by [Bill Fitzmaurice](#) on Sat, 18 Sep 2004 22:40:01 GMT

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I've never bothered to measure a mid horn corner loaded, but much of what's happening with a LF horn is that corner loading increases the effective path length and mouth area. However, if both the path length and mouth area are already at a full wavelength additional extension isn't going to make any difference, so the increase in SPL is frequency limited; the average bass horn won't see corner loading having much effect, if any, above 200 Hz or so. Your average mid or HF horn is going to have both the path length and mouth cross-section at least a wavelength through most of the passband, so additional length or mouth area will have little or no effect. Yes, the directivity aspect of both wall and corner loading is there, but here again that's only part of the equation, the rest being an improvement of the horn function itself.

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