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Subject: Re: manipulation of horn calculation

Posted by [Wayne Parham](#) on Tue, 19 Apr 2005 19:32:30 GMT

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Placing a horn near a boundary acts similarly to a mirror, so for example, half-space acts like twice the cross-section area of a horn in freespace. Once you get to eighth-space, you also gain length because the expansion from the apex of a corner forms a conical horn, all by itself. The corner's expansion adds length and area because it is quite literally a horn flare in toto. Grab a copy of McBean's Hornresp program and run some horn simulations because that will give you a good feel for the behavior of different horn flares in different spatial conditions.

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