Subject: Re: 4 Pi and 7 Pi bass response- More similar or different?
Posted by Wayne Parham on Wed, 17 Mar 2010 02:15:31 GMT
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or a similar three-way speaker having the same midhorn and a front-firing woofer. The midhorn was really designed to be used in a corner, and while it doesn't lose all directivity control outside a corner, it can't maintain the horizontal below about 500Hz. It actually starts losing control around 750Hz and by 400Hz, the pattern has doubled in width, basically acting pretty much like a large flat baffle at that frequency. That's still decent control, over an octave lower than without the midhorn, and there is the matter of distributed sound sources in the upper modal region. So there are some benefits, even when used outside corners.

loudspeaker is pretty attractive, having its own set of merits. For the difference in cost, you can

unobstructed corners and distance between them that allows their forward axes to cross in front of the listening position. That's the only problem with the cornerhorns - you need a specific room layout to use them, and not every room has that.