Subject: Short Coaxial Horns
Posted by DR Carlson on Wed, 04 Aug 2004 16:27:13 GMT
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Does any one have any info on using multiple drivers in a horn, which in turn shortens the length of the horn by a third or half or more? I came across the two sites listed below that mention it, but do not give any real specifics.Steve Deckert at Decware:http://www.decware.com/paper11.htm“BUT MY FAVORITE is a ZEN DESIGNED series of cabinets I called the Wicked One. Pictured on the left, this formula for a binaural folded horn can be scaled also to work with a large family of drivers. It's neatest feature is the fact that I figured out you can share the last order of a horn flare between two horns if you couple them properly, thus reducing the size of your enclosure by half. A Wicked one is 12"H x 36"W x either 24" or 36"D depending on where you scale it. Not very big at all considering what it does. Trust me the name says it all"And at the JBL site:http://www.jblpro.com/pub/technote/PD%20HF%20TechNote.pdfTech note Volume 1, Number 29 pg.7JBL Precision Directivity PD700 Series Co-Axial Mid/High Speaker SystemIt states that in using two drivers side by side, they are able to shorten the horn by 33%if anyone has more info on this it would be very helpful thanks