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Subject: Re: folded voight pipes???

Posted by [roncla](#) on Sat, 10 Dec 2005 17:56:37 GMT

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Built many of them for an assortment of different drivers. Basic a folded tapered pipe in which the throat is  $=S_d$  in area and the mouth (not the port) is  $4-5 \times S_d$  and the length is  $1/4$  wave length of the target  $F_c$ (which will only work if its a straight pipe). Advantages over a straight MLTL is a smoother FR curve as the harmonics in the upper range are closer together. Disadvantages are that the  $F_c$  is higher. Usually Lowthers are BHL (back horn loaded) or BLH whichever term you prefer. However they can be used in a folded pipe if adequate BSC (baffle step compensation) can be employed or equalization is used. I presently design and build single driver full range BLHs for Fostex applications, well full range i guess if you dont count the ribbon tweet i have with the 208e sigma. IMO they should be used in BLHs for the optimum performance. Do a "Google" on Lowthers and Lowther America. ron

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