
Subject: Re: folded voight pipes???

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

[View Forum Message](#) <> [Reply to Message](#)

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 $4-5x S_d$ 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 optitum performance. Do a "Google" on Lowthers and Lowther America.ron
