
Subject: Line Array woofer system

Posted by [eric j.](#) on Fri, 29 Jul 2005 13:35:55 GMT

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I was in discussion recently with a friend about shifting my sub woofer system on the 2 way array that I'm building, to a full 3 way array with a line source woofer array too. To keep the cost down I would use \$11.25 Goldwood 7 inch poly woofers($f_s=35$), and use four of them per side in a sealed design, to keep the bass tight. Modeling on WIN ISd, I would need a 1.5 cu ft box for each. To save on weight, I would use 12 inch sonotubes with 3/4 inch MDF end plugs, and lots of fiberglass fill. Crossover would be at about 200hz. The modeling shows it ruler flat to 40hz, down 4 db at 30hz and down 7 at 25 , which would have to be equalized out(system already has active crossovers and a DOD constant Q equalizer.) What do you think?
