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Subject: Re: First speakers - a little ambitious - curved array

Posted by [selahaudio](#) on Thu, 22 Oct 2009 05:55:43 GMT

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Villain3g wrote on Mon, 12 October 2009 15:28 Before I go and build the big lines, I want to modify these. My goal is to stick a Dayton PT2C-8 in the middle of the curved arrays. This will eliminate the combing. Now I need some sort of crossover. I would like to have a separate high-pass for the tweeter and a low-pass for the line. This would allow me to bi-amp. This will also allow me to match the volume of tweeter to the line. I'd like it to be as steep a slope as possible at 5k. A 4th order crossover satisfies that criteria. I found a calculator online at:

<http://www.apicsllc.com/apics/Misc/filter2.html#fourth>

The values it gave me are not available. How close of a tolerance should there be on the components?

Adding the tweeter doesn't eliminate the comb filtering, especially with a 5K crossover point.

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