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Subject: Re: 4 pi speaker options

Posted by [Wayne Parham](#) on Tue, 27 Mar 2007 01:59:06 GMT

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Each series has a different size cabinet, with exception of the Stage and Professional Series, which are the same. In those designs, the electro-mechanical specs of the drivers used makes cabinet tuning similar. I am really fond of the Professional Series speakers, but this is not surprising as they have more expensive drivers. I have always been partial to the JBL Professional Series drivers used in them. However, the Eminence drivers used in the other lines sound very nice too. I picked the ones I liked the best, so they're my favorites. I have worked a

a nice curve in the top and bottom flares which provides the right contour to reduce mouth reflections. At the edge nearest the mouth, it is curved like a tractrix flare. At the throat, it is radiused to match the entry angle with the rest of the flare. The side panels are radiused to match the throat using a smooth transition. The wall angle is 90°, providing constant directivity in the vertical plane. Like the top and bottom walls, the side walls are flared out at the edge to reduce mouth reflections. Not only is the horn shape superior acoustically, but it is more attractive

tweeter is contoured on the outside with a curve that matches the inner flare. In my opinion, it just looks stunning, having a fluid contour that matches its acoustic beauty. The basic horn is made using common woods like Eucalyptus or Poplar and costs \$400.00. More expensive hardwoods, modeled woods or figured woods will be available at additional cost. I encourage you to come see