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Subject: Re: Finally Building Full Range Single Driver Speakers

Posted by [AudioFred](#) on Tue, 17 Nov 2009 11:42:00 GMT

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Duke wrote on Tue, 17 November 2009 03:40 One of the advantages of the offset bipole configuration is that the baffle step is to a certain extent side-stepped. At the frequency where the front woofer (or fullrange) starts to bafflestep, so does the rear one... so its wraparound helps offset the bafflestep of the front driver.

In our Houston Audio Society meeting Saturday we compared the sound characteristics of several speakers including the TT-2000 and the Jim Griffin bipoles with CSS drivers. The bipoles with their little 4.5" drivers have the more impressive bass of the two plus the open life-like soundstage of a live performance. Jim's design isn't offset, and as I understand it the advantage of offsetting the front and back drives is that it preserves all the advantages of a bipole while eliminating one disadvantage, an anomaly caused by the reinforcement and cancellation of the front and back drivers at various frequencies. Is that correct?

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