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Subject: Re: having a bipolar moment

Posted by [Jim Griffin](#) on Sun, 02 Jul 2006 22:15:07 GMT

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Duke, Thanks for the post. Yes, a bipolar does have some applicablity in the world of monopolar boxes and open baffle (dipole) designs. For example, Genesis uses a stereo polar line array woofer stack with a open back dipolar mid/tweeter line array arrangement in a high dollar four box model (they demo'ed this design at the RMAF last fall). A few other commercial speakers use the bipolar concept but they are rare. Too often the bean counters kill multiple driver designs as designers have to compromise what may be a better acoustic solution to satisfy a targeted selling price. As you suspect, the bipolar solution in my case was an attempt to squeeze as much sensitivity from this driver as I could as it is biased toward low end extension and wide bandwidth. I used the narrow width box and MLTL design to enhance the bass within a small floor space enclosure--more WAF was my goal. The bipolar was intended to handle the baffle step compensation while maintaining the sensitivity as high as I could. I'll try to hear your new bipolar creation in the near future. Thanks. Jim

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