Subject: alternating line array
Posted by Angaria on Thu, 03 May 2007 01:26:22 GMT
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I have a bunch of BG neo8's I'd like to use in a line array. I was hoping to use them in a straight horn configuration (20" sides) so I can push the crossover point close to 500Hz (reports on diyaudio have them going down to 200Hz in this configuration, but that's their resonant frequency). The woofs would only need to get down to 100Hz or so. The horn configuration isn't really workable with the traditional line of woofers beside the neos. So I was thinking about alternating some small drivers with the planars. Given the lack of vertical dispersion of the neo8's and the low crossover point I thought this might escape lobbing issues, but I'd like some opinions before investing in an experiment. Thanks.

Subject: Re: alternating line array
Posted by Marlboro on Thu, 03 May 2007 13:17:43 GMT
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I'm not sure what you are talking about. Can you give us a picture of what you mean?You might also post this on the PE forum which has lots more traffic than the array forum.Marlboro
http://pub48.bravenet.com/photocenter/album.php?usernum=4095425731&album=48032

Subject: Re: alternating line array
Posted by Angaria on Thu, 03 May 2007 13:50:17 GMT
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Okay, will try that.What I'm considering is a vertical mid-ribbon-mid-ribbon-mid-ribbon etc setup. The neo8's are about 8" high each. The "mids" would be the smallest possible driver that would go down to 120 or so Hz.

Subject: Re: alternating line array
Posted by Anonymous on Thu, 03 May 2007 16:13:33 GMT
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>>alternating line arrayNot a good idea.>>BG Neo8Check the response chart, doesn't look good on the top end. Neo8would make a nice midrange driver and add a 'super tweeter' array.Then you have to make a midbass array. You might be better off selling those Neo8's and making a leaner andbetter design, true ribbon + midwoofer, 2 way line array. Simple.But since you have the neo8

drivers, just make a test baffle using cheap wood and see if those drivers setup yield satisfaction beforeinvesting more money in the project.

Subject: Re: alternating line array
Posted by Angaria on Thu, 03 May 2007 17:18:21 GMT
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thanks - should have mentioned I have a tweeter I'll use from 7K up.
