Subject: Line array crossover
Posted by Norton on Tue, 14 Sep 2004 17:56:27 GMT
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When you crossover a nearfield line array to a point source tweeter, do you use a traditional crossover or are other things involved? Same question when crossing to a line of ribbons. Norton

Subject: Re: Line array crossover
Posted by Bill Fitzmaurice on Tue, 14 Sep 2004 19:56:38 GMT
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A traditional crossover, yes. but keep the slopes at least 3rd order to minimize bandwidth overlap. If it hasn't yet been pointed out a line array midbass with a point source tweeter isn't that good of an idea, as you have different radiating characteristics from the two sources.

Subject: Re: Line array crossover
Posted by Mike.e on Sun, 19 Sep 2004 07:34:21 GMT
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If it hasn't yet been pointed out a line array midbass with a point source tweeter isn't that good of an idea, as you have different radiating characteristics from the two sourcesHi Bill. After wading through many DIY projects on diyaudio and the like(http://www.lalena.com/audio/calculator/xover/http://www.geocities.com/dmitrynizh/labaffles.htmhttp://yu-ra.tripod.com/array.htmhttp://home.new.rr.com/zaph/audio/audio-speaker11.htmlhttp://www.tolvan.com/edge/),a simple FAQ for people would be a pretty cool idea-as a sticky post on the forum perhaps??? Im sure some one could organise it here easily..this would save alot of posts -leaving time for the serious technical Qs to be answered.if i could get some of those 67c drivers shipped to NZ id give a line array a go :-)Cheers!(Idealistic) Mike

Subject: You are an idealist.
Posted by Bill Fitzmaurice on Sun, 19 Sep 2004 13:03:40 GMT
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While I agree in principle, consider this: perhaps 75% of the technical questions that appear in various audio forums would not be asked in the first place were the posters not too cheap/lazy to buy/read a book on loudspeaker design in the first place. Of those questions perhaps 90% could also be answered in the various FAQ sections that already exist, but again the posters are too

lazy to do a search. When you point this out to some they are offended that they can't glean in an hour on line what it takes the average audio engineer to learn from ten years of practical experience. For this reason when I do open a forum related to my site I probably won't bother with an FAQ section. Sadly, the majority of simple questions I answer regarding the construction of my designs are covered in the text that accompanies the photos and drawings, but for whatever reason that text seems more often than not to be read only as a last resort.

Subject: I know
Posted by Mike.e on Sun, 19 Sep 2004 13:24:23 GMT
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But life is short ;-)Have the copy and paste buttons at the ready i guess!The business is worth it.btw the MCM 8" is an interesting choice indeed Qts=0.19 xmax = 16mm ;-)Cheers!
home

Subject: Re: I know
Posted by Bill Fitzmaurice on Sun, 19 Sep 2004 13:40:07 GMT
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Actually my main reason for the MCM is the Bl product of 13, which is necessary for cone control with the high throat impedance of the Tuba design. Actual Qts is about .25.
