Subject: "Distributed Mode Radiation"
Posted by Wayne Parham on Mon, 02 Aug 2004 16:19:40 GMT
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Look what Linc found, and posted in the Planar forum. He's right, it looks like the same idea that Manger uses. Basically, the idea is to allow the cone surface to flex and to use each decoupled zone as a separate radiator.
NXT

Subject: Re: "Distributed Mode Radiation"
Posted by Martin on Mon, 02 Aug 2004 23:37:03 GMT
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Wayne,Looked at some of the plotted data, it is clear thay are using MathCad for doing some of the calculations and data reduction/plotting. Gotta like that a lot!Martin

Subject: Re: "Distributed Mode Radiation"
Posted by Wayne Parham on Tue, 03 Aug 2004 02:53:11 GMT
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Yep, yep. Mathcad is an excellent tool. I love FEA software too.

Subject: Re: "Distributed Mode Radiation"
Posted by akhilesh on Tue, 03 Aug 2004 08:58:56 GMT
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What a great link. Thanks Linc & Wayne!My take afer a very cursory reading was that: a) it reduces beaming and b) it does so with few tradeoffs. However, i am curious if the piston model is not better in some way for natural reproduction. It just seems more "intuitive" than a random model. Doesn't a large array of speakers approximate the random model? Aren't there issues with the many driver array design that involve fundamental tradeoffs when compared to a single driver or even a 2-3 way design?-akhilesh