Subject: Arrays in the time domain
Posted by Dynavector on Wed, 23 Jul 2008 19:53:44 GMT
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Hi all,What happens in the time domain with arrays? Each driver is a different distance so won't that play havoc with the time response?Thanks,David

Subject: Re: Arrays in the time domain
Posted by Marlboro on Thu, 24 Jul 2008 05:23:49 GMT
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The human brain compensates and you never notice an issue.Marlboro

Subject: Re: Arrays in the time domain
Posted by jphaggar on Wed, 06 Aug 2008 07:17:23 GMT
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Yesterday I had a listening session with two audiophile friends and one of them suggested we cover the 2 or 3 lower ribbons of my RS8 array with thick material just for testing ! At our surprise the sound got better in all the spectrum and we could better define the different instruments and soundstage , and this was so clear with complex orchestral music ! is this the time domain ? could you have an explanation .

Subject: It is a big issue
Posted by lcholke on Wed, 13 Aug 2008 22:10:35 GMT
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From day one the designs had to work with this challange. One solution was to make a line source where the wave did not grow in the vertical direction, so the listener only heard the sound from the driver at his ear level, as long as he was listening in the near field. A line source is aproximated when the array drivers are less than one half wavelength appart. The other way is to make a focused array where all the drivers are at the same distance from the ear. But the focus point only allows one aligned listening position.Hearing is still beleaving. -Linc

Subject: Re: Arrays in the time domain
Posted by Marlboro on Wed, 13 Aug 2008 22:45:05 GMT
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Not me! I suggest you sell the two lower ribbons to me for a song.Marlboro