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Subject: Re: Phase, delays and offset baffle spacing

Posted by [pickle](#) on Thu, 01 Aug 2002 11:06:36 GMT

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This is an explanation of why claims of various schemes for time alignment are foey. Basically, as long as the differences in time arrival are within a window, it isn't important. Even a single driver can be shown to have this problem as sound emanates from different areas of the cone, and bounces from areas within the cone. Dr Edgar had a graph from a German study which showed the ability of subjects to discern delay, and it was also very frequency dependent. As long as the delay was kept under the window, all was well. You could chase the time delay "problem" ad infinitum, but also, your solution only works for one exact listening position, so again, do what's reasonable and get on to other issues, like motor distortion, box tuning, x-overs, etc. And now for something completely different, anyone ready for Waynes "audiophile" series TAD based three way?!? That'd be fun.

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