Subject: Midrange+ HF positions,phase and goings-on *Q*
Posted by Mike.e on Fri, 13 Feb 2004 02:57:03 GMT
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Hello!I need some help-I know a little about bass,but i need more midrange /main speaker design info!when i search for midrange design,speaker position,and phase i get a whole lot of hifi nonsense,'phase control on ur plate amp' 'blah blah our speakers are phase perfect' etc etc.I need--phase info regarding comb filtering,distance between woofers-'overlap' with low order crossovers and effects -low vs high roll off filtering-other issues such as horizontal positions of speakers vs vertical,dispersion etc(+ your personal experience, LR 24db/octave filters LOOK GOOD in theory,but how do they compare to the simplicity of certain systems with 1st order)The only one i could find was ESP's phase guide but its so in depth i was scared off and left it for later when i feel like doing some study.\\\No need to write much,just links will do!Im sure Adrian will have a link or 3 for me,its just i cant find them yet!According to my memory,the JBL pdf file available at PI speakers was mainly Pro usage ,not so much home speaker design and phasing etc...Cheers allMike.e *wanting to learn more midrange*

Subject: A few useful links
Posted by Wayne Parham on Fri, 13 Feb 2004 08:32:06 GMT
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Here are a few links:Crossovers and phase shiftsBaffle spacing, crossovers and phase anglesPhase, delays and offset baffle spacingBaffle spacing, phase angles and time alignment, revisitedAudibility of PhaseHolism and Reductionism - Fourier SeriesCrossover nullsHorn PhaseTransient Perfect CrossoversA few useful documents

Subject: Re: A few useful links
Posted by Adrian Mack on Fri, 13 Feb 2004 08:45:26 GMT
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I think that pretty much covers it Mike. I would also suggest looking at the Crossover Document available at the Pi Speakers site. It's shows how to calculate positions where phase will be destructive.

Subject: Re: A few useful links
Posted by Mike.e on Fri, 13 Feb 2004 14:21:47 GMT
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Thanks i knew ud have some! just had to find them!probably some of them are to do with adrian asking questions about these topics:-)Cheers!