Subject: 4 Pi crossover for 800hz request
Posted by spkrman57 on Wed, 02 Jul 2008 18:21:42 GMT
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Wayne, Do you have a new crossover for 2226H 2-way at 800hz like the new one at 1.6khz? Just curious if you have done any modeling using 3rd order for hi/lo at the lower crossover. My HF drivers are 2" and are easily capable of down to 800hz response.Thanks, Ron

Subject: Re: 4 Pi crossover for 800hz request
Posted by Norris Wilson on Wed, 02 Jul 2008 19:03:22 GMT
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Ron,Which 2" CD and horn are you using with the 2226J?Norris

Subject: Re: 4 Pi crossover for 800hz request
Posted by spkrman57 on Wed, 02 Jul 2008 21:41:22 GMT
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Norris, I am using the 2226H not "J" version. I'm using Bruce Edgar's 500hz round tractix horn with either the EV DH1-A, or JBL 2441 and last but not least when I can afford another pair would be the GP 399 1.4" drivers!Ron

Posted by Wayne Parham on Thu, 03 Jul 2008 00:28:15 GMT
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I didn't make several versions this time because some of the generic crossovers did not necessarily provide matched directivity. Each crossover would in some situations, depending on horn and driver placement, but not in every case. The new crossovers are all targeted very specifically, and do a better job for the speakers they are intended for.The old crossovers worked well in most respects, and in many applications. For matched directivity, the best generic ones to choose were the 1.2kHz or 1.6kHz models. The crossover point really needs to be between 1kHz and 2kHz. It is also really best to stagger the crossover point or make the slope asymmetrical or both, depending on the horns being used.