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Subject: c-t-c formula and tweeter placement  
Posted by [taylor](#) on Wed, 01 Sep 2004 20:56:52 GMT  
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Hi,Ive just purchased 32 PE 4inches and 70 Onkyo tweeters to build an array. Ive always wondered how they sound and these will be an intro. I currently listen to horns and Maggies (I love the strengths of each) and think an array will give me the wonderful presentation the Maggies have but with the dynamics and efficiency the horns possess (minus the size).My question is to the ctc spacing. I dont have a clue as to the calculation. I read Jim Griffins paper but still missed the formula. I gather from others, that 3700hz is ideal xo point but how high can I go without really detrimental effects? Im using the 2" square tweeters and 5k is about as low as I should cross them. Also, Im going to mount the tweeters on a separate baffle so if they sound horrid, I can swap in something else so how far away from the mid drivers can I mount them? Also, what does using a 3th/4th order xo do in terms of sound quality? Thanks, taylor

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