Subject: Helper Woofer Location
Posted by skywave-rider on Mon, 24 Oct 2011 19:40:16 GMT
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Wayne,

I am experimenting with building a 2.5 way speaker and I want to use your concepts relating to bass sources originating from different locations:
Speaker placement and wavefront launchMy cabinet will be 36" H x 9" W x 12" D. So I will have a lot of space to place the .5 woofer down the baffle. How would you determine the woofers' center to center distance? Guessing: Use ¼ wavelength at the .5 first order filter frequency. Is this a good rule of thumb? That's 17" at 150Hz and is perfect for the cabinet.

I say quarter wavelength because that would allow phase coherence above and below the .5 frequency. Am I looking at this correctly?
My LF drivers are 5.25" and the cabinet volume is 1.8 cu ft.

Is it more complicated than that because of the main woofer's position on the baffle? The main woofer's center will be about 12" down from the top of the baffle.