Subject: Re: Comments on this 3-way layout?
Posted by Wayne Parham on Sat, 16 Dec 2006 14:42:24 GMT
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I'd be careful with position and spacing between the mid and tweeter. As crossover points get higher, this geometrical relationship becomes more and more important. At woofer to mid frequencies, the position of the two drivers is less important, they can usually be as much as a foot apart front-to-back or side-to-side without ill effects. If a midwoofer is used and the tweeter crossover point is in the upper midrange overtone region, you don't have feet to play with but you do have a few inches. But once you get into the upper frequencies, it gets harder and harder to sum properly at the crossover point and spacing and position becomes more difficult. So I'd put the midrange and tweeter as close together as possible, keep them in the same vertical plane and use a crossover slope that sums properly considering the driver position on the baffle. This usually means asymetrical, but sometimes a simple first-order will do.