
Subject: Re: Baffled by Baffles....

Posted by [Duke](#) on Wed, 18 Jun 2008 05:55:42 GMT

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Normally, I would say mount the drivers in the center. The diffraction from the cabinet edge can cause image shift, but I think it's less likely to if both edge diffractions arrive at the same time (so the effect, if indeed real, would vary with toe-in). Now with a dipole, reducing bass cancellation might be the higher priority. So for instance if your dipole is going to go right up against the side wall, well that side wall in effect extends the baffle on that outer side quite a bit. In this case, you might want to offset the driver(s) to the outside (closer to the sidewall), which would increase the average wraparound path length as compared to center-of-the-baffle placement. I'm in favor putting the tweeter over the woofer, rather than to the inside or the outside. That way the drivers sum pretty much the same way in the crossover region across a reasonably large frontal arc. With the tweeter at 2 o'clock or 11 o'clock, the drivers will sum differently depending on where you are across that frontal arc because their relative distance from your ears will change across that arc. Duke
