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Subject: Baffle step compensation

Posted by [BillEpstein](#) on Thu, 29 Jan 2004 23:20:56 GMT

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You all know that when I approach a technical subject there's going to be trouble.....I followed the link 'cause this guy Murphy make sense with his PeeCreek and other designs. Even if they are what my late, lamented music teacher would call "pea-shooters"(he was speaking of 1/2" bores with 7" bells). Also 'cause on the 'Full Range Forum' and Madisound and others they treat baffle step compensation as something any nitwit does as a matter of course. So if my speakers are out in the room I need to do this BSCT (baffle step comp thang)? But what if my speaks are against a wall, 1/4 space or against a wall and another wall, 1/8 space? Or what if I place the tweeter so that it is equidistant to only 2 edges? Gotcha there, huh Dennis? I assume that horns have a very different effect than cones or domes. But I'm interested because I am about to build a sort of 2 Pi Alpha 10 but with this Audax tweeter:<http://www.partsexpress.com/pe/pshowdetl.cfm?&DID=7&Partnumber=276-152&scqty=4> So I'm interested in crossover ideas and whether this BSCT is necessary, if I should place the tweeter off axis from the woofer or even if this is a good idea at all. The Audax, BTW, if any good, is really cheap at \$11.25.

[http://www.trueaudio.com/st\\_diff1.htm](http://www.trueaudio.com/st_diff1.htm)

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