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Subject: Good thought, Bill

Posted by [Wayne Parham](#) on Wed, 07 Jan 2004 06:36:40 GMT

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Wavelength at the 175Hz crossover frequency is 6.5 feet. That gives a window of about a foot and a half to two feet to stay within 90° to 120°. The crossover will also introduce phase, but the point is that we're talking about critical distances of about a foot or two. If the depth is a foot, I'm pretty sure Charlie would find he's within a quarter-wavelength or 90°. If the distance is greater, then there may be reason to do some measurements and/or calculations to find out if the phase difference exceeds 120°. That represents a third-wavelength, where we start seeing the edge of nulls begin to develop.

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