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Subject: Using different horns

Posted by [Wayne Parham](#) on Fri, 30 Jul 2010 16:09:41 GMT

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You really can't just swap in different horns, in most cases, as they're going to fundamentally change the radiation pattern of the loudspeaker, even if the horns being considered generate the same advertised pattern. If two horns have different dimensions, they'll probably impart a different acoustic phase if for no other reason than the sound sources are in different positions.

Phase angles, crossovers and baffle spacing

Baffle spacing, phase angles and time alignment, revisited

More information about baffle spacing, which is necessarily different when horns of different size are used

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