
Subject: Re: alignments

Posted by [hitsware](#) on Mon, 06 Dec 2004 22:03:24 GMT

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>Defining an effective diameter for any baffle>shape other than circular is a simplification. That's what I need ! So say a 3' x 5' baffle on the floor..... $a = \text{area} = 15 \text{ sq.ft.}$ $r = \text{radius} = (15/\pi)^{0.5} = \sim 2.19'$ $d = 2 \times r = \sim 4.37'$ $F_c = 565/4.37 = \sim 130 \text{ Hz}$ Since it's on the floor $F_c = .707 * 130 = \sim 92 \text{ Hz}$ -3db = $.707 * 92 = \sim 65 \text{ Hz}$ Sound reasonable ?
