
Subject: Re: The Movement of Waves and Particles
Posted by [Cuppa Joe](#) on Sun, 04 Mar 2007 05:15:41 GMT
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Another thought occurs (see how long it took): If I wanted to pass a 1kHz frequency (just for ease of calculation) through a W-horn, how narrow would the initial passage need to be before the 2nd 90-degree turn? I don't want the answer, just the method to get it, please & thank-you! I'm sure it's related to previous postings about diameter vs. wavelength, or fractions thereof. Perhaps it'll gel if I visit John Sheerin's website again....Is anyone familiar with the old Acoustic 301 W-bin for bass guitar? (I had 2 of those coffins in my Glory Days, as well as a full Ampeg SVT system! Bwa-ha-ha!) If you pulled off the rear access panel, you found a wedge-type reflector built onto the panel itself. The Cerwin-Vega! 18" driver was flush-mounted to that inner panel 180 degrees opposite the mouth. I had thought to keep things as simple as that, with modifications and a 15" cone instead. The reflector would again be mounted onto the rear access panel, but it would be as large and deep as possible without interfering with the cone's excursion. Rounded corners are still under consideration for the other turn toward the mouth (with a twist). If the first section of the passage and the reflector were engineered just right, could they constitute a type of throat? I know, it's a wacky idea....
