Subject: Wacky results for Rat Shack 90-1197 in PiAlign?
Posted by AudioLapDance on Fri, 09 Nov 2001 12:53:02 GMT
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Hey Wayne et all; long time, no see!Someone was looking for RS1197 (4" fullrange, factory "seconds" of Fostex FE103) TS specs a long time ago--I hope you're still lurking around. I found some over at the full range driver forum. It's now in the archives under "40-1197s for Home Theater???"The specs are:Fs=85HzQt=0.37, Qd=2.7Vad=0.17 cuft (4.9 l)I think PiAlign is having some problems with the low Vad because when I plug them in the Encl Vol=6.3 cuft and the Ideal Q=40.5!The dimensions indicate a reasonable 0.08 cuft cab (9.2" x 6.6" x 4.5" w 3/4" wood) and 0.8" dia X 2.2" port but I'm not sure if I should trust them?!Wayne, could you run these numbers for me? Thanks.For those interested, another cheap full range is the Pioneer B20FU20-51FW (I got mine for $40 CND each!) Specs:Fs=36HzQt=0.25, Qd=4Vad=3.2 cuft (92 l)The results in a nice 0.8 cuft cab (18.5" x 12.75" x 9" w 3/4" wood) with a 2.2"diam x 2.3" port.I'll be finishing my Theater Seven Pi's this weekend (finally!). I'll keep you posted.Cheers,Jeff

Subject: Re: Wacky results for Rat Shack 90-1197 in PiAlign?
Posted by Chris R. on Fri, 09 Nov 2001 13:05:24 GMT
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I did finally find the data sheet on Fostex's site, but through a wierd path.Anyway, I made a pair of boxes with four each. I can't rememberthe dimensions. They sound OK. Obviously no real bass,and the highs roll off maybe around 10-12K, but they dohave very nice sound in the middle. RS is clearing theseout for $5 ea.Thanks, Chris

Subject: Exponential notation
Posted by Wayne Parham on Sat, 10 Nov 2001 01:20:14 GMT
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Enclosure volume for this loudspeaker is actually 104 cubic inches, which is 6.3 x 10-2 cubic feet. So the cabinet size is 7.16" x 4.77" x 3.18" - even before calculating displacement volumes for the components inside or adding wood thickness. With wood thickness and driver displacements, 9.2" x 6.6" x 4.5" is just about right.