Subject: Re: FRD DIY construction
Posted by akhilesh on Thu, 12 Feb 2004 16:42:48 GMT
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HI Jim,The math is actually really good at predicting the performance. Our goal in a bass reflex design is to NOT eat up the high bass in order to produce a boom at the lower end (aka the one note samba). Some people may develop a larger box, and then feel they are "getting more bass" but in actuality they have messed up the response. Based on the published parameters of the fostex driver, the measurements we came up with were the best. YOu will not get the one note low boom, but you should be relatively flat to 65 HZ or so. The alternate design (with the larger voluume) will give you a boom at 50HZ or whatever, but the 60-150 HZ frequencies will be diminished. This is not desirable for fidelity. SO i would feel good about what you did. MAke sure your port size is right. I think we discussed that measurement in earlier posts as well. If you need more bass, get an active subwoofer (like the Hsu research). thanx-akhilesh