Subject: Re: Two Pi with off-sized speaker box
Posted by Wayne Parham on Sat, 23 Oct 2004 18:00:32 GMT
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tune the box to 40Hz.Here's a little BASIC program that will calculate the formulas for you, if you can still find an old BASIC interpreter around somewhere.10 INPUT"Enclosure Volume";VE20 INPUT"Diameter of Port";PD30 INPUT"Length of Port";PL40 VB=VE*1728:PI=3.1415926535:AP=PI*((PD/2)^2):LC=PL+((8*PD)/(3*PI))50 FR=(13548/(2*PI))*(AP/(VB*LC))^.560 PRINT"Fr =";FR;"Hz."70 GOTO 105000 cubic inches is 2.9ft3, which is a nice size for the Alpha 10 driver. You could go with a 4" diameter port that's 4" long or a 3" diameter port that's 2" long.