Subject: Re: Diffraction and Baffle Spacing - critic this design?
Posted by Adrian Mack on Tue, 08 Jul 2003 10:39:37 GMT
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Hey Sam,Thanks for the advice. Yes, I have been in front of a few systems that can do 120db (currently only my sub is capable of this level, hence the upgrade in main speakers along with other factors), and also some nice car systems capable of quite a bit more than that :-). I like to listen to music and high levels as it gives you that "live" level sensation. Oh yea... the direct radiator on the bottom is actaully 15" not 18". I do have the sensitivity levels matched, the midrange horn would have to be padded down 8db to match that of the augmented compression driver on the HF horn. The woofer is on a seperate amp and well capable of keeping up with the rest :-). Wont be using any tube amps. I have actually considered Wayne's designs a lot, and to be honest, I have not made the decision if I will go that way or not. Theres a few reasons I am after the 3 way here, its because of the midrange horn characteristics. The tractrix horn is supposed to offer much faster dynamics, lower distortion, and what some people call "clarity/crispness". And the last reason... is because I've really wanted to build a horn for a long time !!! But I dont know yet... the 4pi Pro uses the expensive 2226's so thats out of the question.... The Theater series uses the budget Delta 15, but this is a higher distortion driver, mostly because of no faraday ring. I want low distortion in this design, and I think that the midrange and tweeter horns will offer this :D. Also the 15" woofer too, which has very low distortion figures. How far from the ground do you think the woofers should be? I think that a total height for the enclosure should be 50", which would mean the 15" woofer would be placed only 10" from the ground in this case rather than 20" in the other. What do you think of the height I've choosen?Thanks!Adrian