Subject: Re: And now for something a bit more realistic
Posted by Greggo on Thu, 06 Jul 2006 17:19:02 GMT
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OK, I am bored so I am going to reply to my own message... Aside from getting my math wrong on the Aura 18s, it occured to me that maybe I want to come close to doing something like this someday, so what would I really do if I was using my own money and do I think it would come close to the system above. Here is my own answer to my own question in replying to my own post...this makes me the ultimate net junkie loser:1) I will listen with these speakers roughly 9-10 feet apart and 9-12 feet from the listening chair, and I am only concerned with the sound while seated, not caring about standing listeners...2) So I think I only need four Fountek NeoCD 2.0 ribbons in each speaker, again running 6kHz on up.3) Still waiting for someone to convince me that the Jordan JXr 6HD is not the ultimate starting point for a line array speaker, so until then I will stick with this idea and since the driver and frame is 3" tall, stack 9 of them in each array for a line length of 27 inches, which is a little short of ideal but will probably still deliver a much more dynamic sound than point source systems employing similar drivers. The Mark Audio site shows a recommended sealed cabinet volume that has an Fb of around 150Hz, so I would probably cross over just above that, maybe around 220Hz to help keep things clean down there.4) Keeping everything in one cabinet, how about a total of eight Seas W18E001 6.5 inch woofers, two above the mid/tweet array facing front and two below, with two sets of two mirror imaged on the back of the cabinet, for bipolar bass (and no BSC circuit required...), and if I am not mistaken their specs actually make them good candidates for MLTL cabinet design.5) I would go active between the woofer and mids, and passive between mids and tweets, and go Pass DIY for the amps, and now I think I would have a great small to medium size room line array for around 5-6k in parts.This just might be a real world project someday soon. How would you improve on it?Greg