Subject: Theater 4 boxes...Question for those who have built them.
Posted by wasteh202 on Sun, 27 Apr 2003 15:01:08 GMT
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I am calculating less than one 4x8 sheet of plywood for each speaker. Is this correct? Two sheets for the pair.

Subject: Re: Theater 4 boxes...Question for those who have built them.
Posted by BillEpstein on Sun, 27 Apr 2003 15:07:56 GMT
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I used part of a 3rd sheet but I doubled the woofer baffle.Have you made a scale drawing of the 4X8's and penciled in the cuts?If it's MDF you have 49X97, a little windage for those 24" front and rear pieces.And we never make mistrakes, right? I always make 5 legs for tabls!

Subject: Re: Theater 4 boxes...Question for those who have built them.
Posted by jtsjf on Sun, 27 Apr 2003 17:06:45 GMT
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There's a bit of software out there called 'cutlist' or 'cutlist pro' from 'Bridgewood' software. I think its freeware or shareware. It's supposed to outline the most efficient use of plywood for a project. That said, I didn't use it (didn't know about it when I built my theater 4's), and I still bought an extra sheet, cause I screwed up one cut. MDF is real unpleasant stuff in my opinion. This summer I hope to have time to rebuild my theater 4's either as 7's or as 4 towers using nicer looking material. Instead of putting veneer on mine, I just slapped on some wallpaper. Doesn't look too bad, really.cheers,Jason

Subject: you need three sheet
Posted by Zeno on Sun, 27 Apr 2003 17:23:15 GMT
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nt

Subject: Re: Theater 4 towers
Posted by wasteh202 on Sun, 27 Apr 2003 18:26:29 GMT
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you got any ideas just what the dimentions for a 4 tower would look like?

Subject: Re: There goes another secret
Posted by BillEpstein on Sun, 27 Apr 2003 19:21:53 GMT
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I've never seen plans for a Theatre 4 Tower like the 2Pi variation. Wayne'll have to weigh in on that one. Don't know why there wouldn't be different port tuning and taller tho'.In the meantime, you've prolly seen these half finished boxes: reg Theatre 4 bottom 34X36X18 with 24X10X18 top to make a baffle for the horns. Maybe too tall, tho'

Subject: Towers
Posted by Wayne Parham on Sun, 27 Apr 2003 19:41:58 GMT
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Bill, your cabinets are really great. I just love that look and I can hardly wait until they're

than the original, retaining the same volume and making a tower configuration.John Lapaire's

Midwest Audiofest.Martinelli ArrezoThere's definitely some really great work being done by you guys.

Subject: Re: Towers
Posted by wasteh202 on Sun, 27 Apr 2003 20:03:23 GMT
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The driver mid/bass driver in the quasi Theater three barly fits the front baffle of the tower. Is there any issues with the baffle not being stiff enough? I like this tower design... one other question, the Theater three is not tube friendly... correct?

Subject: Re: Towers
Posted by Wayne Parham on Sun, 27 Apr 2003 20:33:42 GMT
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In my experience, baffle step is not a problem for speakers that are boundary loaded anyway. There is only a small frequency interval between where the baffle acts as a boundary and the rear wall acts as a boundary. Since this range isn't sharply marked but rather a transitional area, it is essentially never realized. Besides, once you get down into the room's modal region, any effect of baffle step becomes swamped by room modes.

About the Delta 12LFA and tube amps, please understand that this is something that doesn't concern everyone, as impedance fluctuation isn't troublesome for every amp. Those that are considered "tube friendly" will work on even amps with very poor damping ability. But you'll find lots of tube amps that work just fine with practically every good-quality high-efficiency speaker. I was running Stage sevens and Bill was running his Arrezo's with tube amps throughout the show. Both sounded great, and produced nice deep bass with no audible artifacts or response anomalies.

Subject: Re: Tube friendly for all who listened
Posted by bmar on Sun, 27 Apr 2003 23:46:30 GMT
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Thanks Wayne, I'll just add a few noteworthy comments about the "Arezzo 12" since some questions were brought up. The speaker was designed to be an entry into a two way horn with a high quality wood horn and veneered bass reflex cabinet. I determined the height to position the horn at a perfect ear level for listening while seated. The width was determined by the 12" horn that would be used on top. The depth was then determined to yield a full 3 cubic foot internal with all bracing and driver. The narrow baffle design of the speaker will help with imaging but as Wayne says it will increase the baffle step a little. Will this speaker blow the doors off a 15" or 18", or horn loaded bass speaker? No, lets not be silly! It has very nice bass and surprised a lot of people who listened to them while at MAF. I can assure you that not only is there no structural detriment to having the driver mounted in a narrow baffle. It is actually more ridged and structurally sound than a wider baffle. The driver is not just attached to a front baffle, it is also attached into the side panels of the cabinet. There is ample unequal bracing in the cabinet which makes a very ridged box with no unwanted box excited resonance.I find the Arezzo 12 to be tube friendly with the tube amps I have used. I have not tried a 2A3 or a 45 amp. They work great with a Dyna 35, higher wattage mono blocks and they were running almost the entire MAF show with a Audio Note 8 watt 300B amp. In fact, They sounded so good with the Audio Note 300B, I'll be picking that amp up in a few weeks because I bought it! If your looking to build a speaker or have a finished speaker built for a smaller room or where space is an issue. I suggest you try a Pi

Theater 3 or an Arezzo 12. The have two things that make them a tweakers pleaser. They are small and compact for a high efficiency speaker, fitting to many decor and very WAF. Second, Although perfectly fine as they are. By adding a well thought out subwoofer and supertweeter. You essentially have a perfect 4 way design with minimal extra labor and crossover compliments. Hope this helped, Doctor Epstein says I write too much. just a speaker junkie at heart.Bill

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Subject: Re: Towers
Posted by wasteh202 on Mon, 28 Apr 2003 00:17:19 GMT
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Wayne and Bill... thanks very much for the reply and the info.

Subject: Hear 'em May 17th at New England Bot
Posted by DRC on Mon, 28 Apr 2003 09:17:42 GMT
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Last I heard Bill is planning to bring these babies to the May 17th New England Valve (Bottlehead) Club meet. The Audio Note amp he mentioned - a Conqueror - will be there, as will a couple flavors of Paramours, Foreplays, my (nearly!) done TAD/JBL Pi's (which model should this Audiophile grade beast be called, Wayne?), and probably full range Fostex and Lowther speakers as well. Check the May Bot Meeting link at the lower left corner of the page below for more details! Keep your ears and your mind open.

May New England Valve Club Meeting Details

Subject: Re: Theater 4 towers
Posted by JLapaire on Tue, 29 Apr 2003 08:20:42 GMT
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I can email you some pics of the Theater 4 towers I built. Just need your addr.John

Theater 4

Subject: Wasteh, I've got a pair....e-mail me for info! (nt)
Posted by Mikey on Tue, 29 Apr 2003 11:07:48 GMT
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mike@protedyne.comMikey

Subject: Re: Theater 4 towers
Posted by Wayne Parham on Tue, 29 Apr 2003 14:47:18 GMT
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Oh that's right. I remember your Theater four towers now. Those are killer! Sorry I didn't mention 'em earlier.But the link doesn't show your photos for me. Some kind of security or login problem. Is there another way to be able to view these?

Subject: Re: Theater 4 towers
Posted by JLapaire on Wed, 30 Apr 2003 12:21:33 GMT
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Hi Wayne, I'll try to email 'em to you. Hang on...here goes.John