Subject: Completed My Voigt Pipes Today
Posted by FredT300B on Wed, 14 Jul 2004 17:15:34 GMT
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I completed them this afternoon and they are playing now, driven by my Bottlehead Paramours. Not bad sounding at all! The midrange is a bit ragged but the bass is much stronger than I anticipated. Photos documenting the construction process are at http://fredt300b.smugmug.com/gallery/147575

Subject: awesome directions, Fred
Posted by akhilesh on Wed, 14 Jul 2004 22:18:46 GMT
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Very nicely done website AND driver enclosures. Are those pipes only for the drivers in there, or can you try some other driver in there as well?Also, i wonder why the midrange is ragged. Maybe dope the whizzer or something? Should be smoother than a bass reflex, right?thanx-akhilesh

Subject: Re: awesome directions, Fred
Posted by FredT300B on Thu, 15 Jul 2004 00:26:04 GMT
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Thanks for the compliment. You can try any drivers that are suitable for that type of enclosure. Ideally you would want a high efficiency driver with a very light cone, like a Fostex or Lowther. I did the bolt-on driver baffle so I can try different ones later by substituting a different baffle with the right size cutout. They have been playing for about six hours now and the midrange is sounding much better. Just a breakin thing.

Subject: Re: awesome directions, Fred
Posted by akhilesh on Thu, 15 Jul 2004 01:19:45 GMT
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Yes that is true. The drivers do require a fewten hours if not a coule hundred hours breakin. I wonder if you could post a frequency response for this driver, using a sound meter or something else.that would be very interesting. thanx-ahilesh

Subject: Stunning!
Posted by Wayne Parham on Thu, 15 Jul 2004 05:00:29 GMT
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Those are gorgeous loudspeakers, Fred. Just stunning!I have Paramours too, so I know what you mean about the bass. I'll bet your system sounds great.

Subject: Frequency Response
Posted by FredT300B on Thu, 15 Jul 2004 09:29:07 GMT
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Don't have any serious measuring equipment but I can check the in room frequency response with my RS meter and Stereophile test CD today and post the results.

Subject: Measured In Room Response
Posted by FredT300B on Thu, 15 Jul 2004 11:38:00 GMT
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I measured the in room response with my Radio Shack meter at the listening position. Using 200hz as the reference, the increments below 200 are:160: +1.5dB120: -1.0100: +0.580: +1.560: +2.050: -6.0

Subject: Re: Measured In Room Response
Posted by akhilesh on Thu, 15 Jul 2004 14:08:18 GMT
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Sounds like you have good bass down to about 55-60 HZ. That's awesome for a single driver. GIven the size of the driver, I bet the highs are fine too....Sounds like a great project. -akhilesh

Subject: Bass Response
Posted by FredT300B on Thu, 15 Jul 2004 18:49:01 GMT
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I agree that it's unusual, especially the slight boost at 60-80hz. I'm obviously getting some friendly room reinforcement here. They would sound very different if there were a 2dB null instead of a peak in this frequency range.

Subject: Please don't take this the wrong way....
Posted by wunhuanglo on Sun, 18 Jul 2004 10:48:25 GMT
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Very nice job on the Pipes. And a great tip on making the routed MDF paintable. Matinelli, Epstien and I had a discussion about that over in "Craftsmen".But I'm really sitting here with my mouth hanging open over everything else but the speakers. The beautiful cabinetwork in the house, the amazing collection of antiques, and the shop. Damn! What a shop!Fred, it looks like it's very, very good to be you!
http://www.audioroundtable.com/Craftsmen/messages/197.html

Subject: Re: Please don't take this the wrong way....
Posted by FredT300B on Mon, 19 Jul 2004 00:26:59 GMT
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Glad you liked all the eye candy. Something I forgot to mention in the picture captions: It's best to coat the entire piece with the 50/50 glue & water mixture and not just the rough edges. The mixture will, like water, raise the "grain" of the mdf, so you need to sand it thoroughly after it's dry, and if you have the patience it doesn't hurt to do a second coat and sand again. This will give you a smooth hard non-porous painting base that allows the automotive-like satin gloss that looks so good on a painted enclosure. If you do not use the glue/water mixture you're going to have to apply many many coats of paint and still have rough edges.

Subject: Re: Completed My Voigt Pipes Today
Posted by lon on Mon, 26 Jul 2004 03:12:46 GMT
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When I got back here I saw this great project.The slide show is excellent and the project writeup superb. I'm studying a few of the Voigt designs and want to attemptit in a bit. Over at the melhuish site (now called www.fullrangedriver.com) TC has a project called Bigger IsBetter using the Voigt principle as well. What I am scratching my head about is whether to use the straight side or the angled side for driver mounting. There is considerable writing on having slant frontson speaker cabs these days. Plus there are a few companiesusing the slant front idea: Usher and Swans come to mind. So my idea is to make a hybrid slant front Voigt pipe.Is there any contrary

information on this that I've missed? Great job. :-)

Subject: Re: Bass Response
Posted by Mark on Mon, 29 Nov 2004 14:32:51 GMT
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I was in a room 25ft by 15ft and I had a good low base response now I am in a room 15ft x 12ft My bass responce has droped badly

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Subject: Re: Bass Response
Posted by Wayne Parham on Mon, 29 Nov 2004 15:59:50 GMT
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Where exactly in the room are your speakers located? They wouldn't happen to be two or three feet from a wall or corner, are they?
