Subject: pro four Pi plans please
Posted by andreas paulsen on Mon, 16 May 2005 09:08:12 GMT
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Hi Wayne Could you send me the four Pi plans please ?Cheersandreas

Subject: You've got mail!
Posted by Wayne Parham on Mon, 16 May 2005 10:58:57 GMT
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Subject: Re: You've got mail!
Posted by andreas paulsen on Mon, 16 May 2005 17:22:19 GMT
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ThanksThe box dimensions you're giving, does that include the loss of bracing the cabinet with a resonable amount of 1x2" lumber?What is the total volume displaced by the tweeter horn ? - I plan to use my philips ribbons instead (with active crossover) as I have the parts already. Might just use the liberated space for extra bracing.CheersAndreas

Subject: Calculating displacement volume with a composite of primitive shapes
Posted by Wayne Parham on Tue, 17 May 2005 00:03:33 GMT
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Check out the program called volume.exe in the PiAlign distribution file. I don't recall the volume of the tweeter and horn, but you can easily get a good estimate by calculating it as a composite of primitive shapes. For example, a compression driver or speaker magnet can be calculated as a cylinder, a speaker cone as a cone and a horn as a wedge or pyramid.

Subject: Re: Calculating displacement volume with a composite of primitive shapes
Posted by andreas paulsen on Tue, 17 May 2005 06:48:56 GMT
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OK - I'll just do it by hand with my trusting old HP calculator - I'll check out volume.exe though.How much bracing is allready calculated into the volume of the box?Cheersandreas

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Subject: braces
Posted by andreas paulsen on Tue, 17 May 2005 07:33:48 GMT
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Well - after reading a massive amount of old threads It seems that pro-four Pi's are constructed without braces as the cabinet is small and filled with stuff:). I might brace it anyway.CheersAandreas

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Subject: removable baffle
Posted by andreas paulsen on Thu, 19 May 2005 18:59:03 GMT
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HiDo you suggest making the baffle removable, to be able to tune the port Or should I just biscuit and glue it all together and count on the tuning to be on spot?.Any benefits of making the baffle 1.5" thick ? I might just do it anyway to be able to flush mount the woofer.Take careandreas

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Subject: Re: removable baffle
Posted by Wayne Parham on Thu, 19 May 2005 19:35:41 GMT
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I like to avoid removable baffles where possible. They're difficult to brace, and even where bracing isn't required, they tend to reduce strength as compared with a permanently fixed panel.

Subject: building
Posted by andreas paulsen on Thu, 26 May 2005 13:33:52 GMT
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Hi allThe quasi pro fours are comming along nicely - made in 3/4 mdf and biscuit jointed. Bracing by a liberal amount of 1x2 and 2x4 pine lumber i found littered on the street in addition to a window brace above the woofer cutout. second cabinet is in glueup while bracing the first. Need to

cut and route the baffles and glue them on.Cheersandreas--

Subject: Re: building
Posted by andreas paulsen on Sat, 04 Jun 2005 05:19:29 GMT
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Hmm, just routed the woofer cutout 1 cm to large -- bugger /andreas

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Subject: Re: building
Posted by Wayne Parham on Sat, 04 Jun 2005 05:26:41 GMT
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Ouch! Bummer! Maybe you can glue in a piece of wood, recut and re-route.
