Subject: Re: 2 pi and PiAlign program
Posted by Wayne Parham on Mon, 15 May 2006 04:23:43 GMT
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For a woofer like the one you've described (with Qts~0.38), PiAlign generates a recommendation that results in a very good response curve. Woofers with very high Qts values tend towards underdamped response and those with very low Q make slightly overdamped systems. You're is right in the middle so the response curve will be nice and flat. But PiAlign favors small cabinets and you can increase cabinet size and get deeper extension.Woofers work well in a range of cabinet volumes. For example, I'd expect the woofer you've described to work very well in cabinets from 0.5ft3 to 2.0ft3 tuned to 25-30Hz. If you're going for a full-range speaker with a wide-bandwidth woofer, something like a small two-way speaker, then I'd go with the PiAlign suggestion. But if you are going for a sub, I'd look at alignments that use larger cabinets to get deeper response.