
Subject: Thanks for the feedback...

Posted by [Greggo](#) on Mon, 20 Sep 2004 02:17:45 GMT

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Thank you very much for the comments, it is much appreciated. Yes, I am thinking that I would like a cone driven mid horn to cover roughly 250Hz to 4kHz because I would like to keep the crossover out of the 300-3k range as much as possible. Given my lack of expertise, I am sure that my pipe dreams are far exceeding the reality of a second project, but we all have to dream. I know that many speakers can be designed completely counter to these ideas and end up smoking anything I build because the designer really knows how to build a good sounding speaker. But until I get there, here is what I have for a "speaker philosophy" if you will based on some crude experimentation with a couple of projects and mostly reading and thinking from the net: 15-30Hz is awesome if done right, but better to go without than screw it up (and if I ever attempt this range it will be infinite baffle) 30-300Hz contains an awfully lot of musical energy and low distortion drivers pay big dividends here. Dipole is very attractive as is front horn loading so as to minimize the room effects that play havoc in the 50-200Hz range. Since most creative loading ideas for either seem to run into problems around 200 Hz (lab sub, phoenix woofer, etc...) it looks like around 250Hz is my take on the upper limit of a woofer system and the starting point of the midrange. 300hz-4kHz this is the mid for me, from my limited point of view, and again I am drawn to either open baffle dipoles or front horn loading, but I like the "jump factor" or "liveliness" of a high efficiency horn. Since many good tweeters and even some super-tweeters are finally more than comfortable at 4kHz and above, I would just look for a good value self-contained unit (driver & horn) and place it as correctly as possible and be done with it. I have struggled through many issues, some in practice and most on paper concerning what kind of project I would be willing to invest the most of myself into and where I think I would be happiest with the results, and the pi corner horns seem to be getting awfully close to where I personally would like to go... Oh well, nobody actually asked to hear all this crap from the likes of me, I guess I am just in the mood to do some typing.... Regards, Greggo
