Subject: Speaker Workshop
Posted by Wayne Parham on Sun, 04 Jul 2004 04:11:20 GMT
View Forum Message <> Reply to Message

Actually, I've always considered really accurate measurement systems to be available only to those with deep pockets. This has changed to a large degree, and there are some really good packages available these days for less than a grand. Speaker Workshop is shareware, and it does a pretty good job. I don't know that I'd put its results up against a calibrated system in an anechoic environment, but it sure makes design work a whole lot easier than doing everything manually and with hand calculations.Distance to boundaries depends on the frequency range of interest. For example, if you're concerned with the interaction between components at a crosover above 300Hz, then a few feet distance from boundaries is plenty. You can gate the microphone input so that reflections are ignored.About the subwoofer, I assume you're talking about the flux-stabilized B12. Eminence has already built a first prototype and found that the shorting ring reduced 2nd harmonics by more than 10dB, so that part was a success. But to get the reduction of harmonics down to the lowest frequencies requires a larger flux stabilization ring, so they are working on another type of magnetic structure. They'll build a second prototype using a structure that allows a larger ring, and they've told me that we're looking at around the end of the summer for a timeframe on that.