Subject: mulling over crossover questions. Wayne? Anybody?
Posted by Triodeuser on Thu, 30 Oct 2003 11:09:10 GMT
View Forum Message <> Reply to Message

I'm using Azura's that use 8" full range drivers and are beyond loading by the horn around 1500 hz. Also, 1250hz is about where 8" drivers begin beaming.I also have DDS Eng 90-1 constant directivity waveguides that will cover from about 1100 up with 1" compression drivers.Conceptually, my goals are to match and blend as many aspects here as possible while keeping crossover point above the vocal range, also paying particular attention to dispersion at crossover.Right now I'm thinking that what I want to occur is that as the Azura's begin to beam, I want the waveguide to start taking over.Initially, I had been thinking that I would do a first order crossover at a much higher point - say 4k or so, but have been told that was very difficult to do well, due to the 3db/octave rolloff characteristics of CD waveguides.I don't know that it matters, and I don't see what I could do about it anyhow, but from center to center of the horns will be about 29" apart - one reason I think I have to be sure I do it right.So where and how do you think I should start planning my crossover?RegardsKen L