Subject: Target transfer function for 4pi?
Posted by badman on Tue, 21 Oct 2008 23:29:41 GMT
View Forum Message <> Reply to Message

Hi Wayne: I have some of the JBL 4725s I'd previously asked about, and an active crossover. I'd love to see what this similar driver/cab configuration sounds like with the 4Pi crossover function, but need to know what I'm shooting for in terms of FR shaping.Thanks for any information you're willing to give!

Subject: Re: Target transfer function for 4pi?
Posted by Wayne Parham on Wed, 22 Oct 2008 16:22:06 GMT
View Forum Message <> Reply to Message

I use a slightly overdamped cabinet for smooth bass rolloff and CD equalization on the tweeter for even power response. The loudspeaker response curve and other performance data is shown at

circuit, the chart below shows the signal presented to the compression driver. It uses a network that provides 6dB/octave augmentation after an initial shelf of flat response. This is the conjugate of the compression driver's power response, and is required when using constant directivity horns.