Subject: Re: New Pipedreams and woofer/driver horiz spacing...
Posted by darkmoebius2 on Wed, 26 Aug 2009 04:39:50 GMT
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Eric J wrote on Tue, 25 August 2009 21:12Why they would do this when they could simply buy a set of B & O ribbons and not have the issue is beyond me.
I guess that just goes to prove your earlier point - Smart people can do very dumb things when someone else is paying for it

BTW, where can I get a look at the specs on the Audax midwoofer they used in the Pipedreams clone?

Here's another one you'll love, Eric: Sound Science Line Array One tower wave guide only $16k($7,500 used). Quote:These are my prototype Line Array speakers with the worlds first columnar wave guide design.

They are 7.5' tall with 16 each 5.25" full range drivers. The Cabinet is made from cabinet grade MDF with a beautiful walnut veneer.

They are a dipole radiator as well. The net effect is a speaker that broadcasts a column of sound which only grows in the direction of travel at the speed of sound.

This means that if there are no physical objects between you and the speakers that you do not hear any reflected sound from the side walls, floor or ceiling until after the direct sound has bounced off of you. In a reasonable sized room your brain will ignore the reflected sound. This results in astonishing imaging.
The dimensions of my wave guide are such that it completely controls directivity down to 200 Hz and the dipole design takes care of 200 Hz and below.

I cross them over to 15" woofers at 100 Hz and use the DEQX
PDC 2.6P to correct for frequency response and as the electronic crossover between the 15" Subs and the Line Array towers.

By using the DEQX we get the desired frequency response at the listening position, 20 to 20K