Subject: Displacement by Horn and Driver?
Posted by GarMan on Fri, 25 Jun 2004 19:00:10 GMT
View Forum Message <> Reply to Message

Hi Wayne,Wondering if you've done any rough calculations in terms of how much volume is displaced by the midrange horn and Alpha10 driver.For example, if I insert the horn and driver into a 6 cubic ft box, how much volume would I be left with?BTW, I noticed that you specify 5.5 ft^3 for the 8PI. Is there a reason why you increased the volume by a square foot over the 2PI Towers?thanks,Gar.

Subject: Re: Displacement by Horn and Driver?
Posted by Wayne Parham on Fri, 25 Jun 2004 19:49:22 GMT
View Forum Message <> Reply to Message

There's a handy little program called "volume.exe" in the PiAlign distibution file that calculates volumes of various primitive shapes. You can approximate an object using a construction of solid primitive shapes. For example, a loudspeaker cone might be approximated using a cone for the basket and a cylinder for the magnet.

Subject: Re: Displacement by Horn and Driver?
Posted by GarMan on Fri, 25 Jun 2004 22:15:41 GMT
View Forum Message <> Reply to Message

Wayne, does the 5.5 ft^3 you specified for the 8PI include or exclude the volume displaced by the horn and driver?

Subject: Re: Displacement by Horn and Driver?
Posted by Wayne Parham on Sat, 26 Jun 2004 05:39:23 GMT
View Forum Message <> Reply to Message

Hi Gar,The volume displaced by the midhorn and driver is subtracted from inner volume. I used the CSG technique I described earlier for calculating offsets.Wayne