Subject: 8 Pi Question ?
Posted by j.luis cruz . on Tue, 21 Nov 2006 15:27:56 GMT
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Hy again Wayne . Im considering to make only 1 round port (I sum the three rectangular areas of the front ports) and calculated a round port of 4 5/8 in the back of the 8 pi cabinet .my question is what if i throw the port into the corner of the room near a few inches could have a gain instead of the three front ports firing into the open room . thanks

Subject: Re: 8 Pi Question ?
Posted by Wayne Parham on Tue, 21 Nov 2006 17:24:28 GMT
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You can make the port in a different shape, and positon doesn't matter as long as it doesn't cause standing wave pipe behavior.Corner loading works at bass frequencies several feet away from the apex, so a port on the front of a corner-loaded speaker will act the same as one on the back unless the speaker is several feet deep.When a sound source is placed at the apex of a trihedral corner, it radiates purely into eighth-space. The walls of the corner define the radiating angle. In this situation, the walls don't act as reflectors because a wavefront travels along them or away from them rather than towards them and reflected by them.When a sound source is near a boundary, then it confines the radiating area and also acts as a reflector. At low frequencies,

woofers and ports can be placed fairly far away from corners and still radiate into eighth-space.

Subject: Re: 8 Pi Question ?
Posted by j.luis cruz . on Wed, 22 Nov 2006 21:10:13 GMT
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Hy What cause standing waves pipe behaivor Wayne ?

Subject: Re: 8 Pi Question ?
Posted by Wayne Parham on Fri, 24 Nov 2006 22:58:33 GMT
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Standing waves are what give a pipe organ its sound. The length of each pipe tunes its

frequency. This is also the principle at work in transmission lines.Reflex cabinets, transmission lines and basshorns