
Subject: voigt pipes vs corner horns

Posted by [sc00byd0](#) on Sat, 10 Nov 2001 07:18:33 GMT

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hi.im new around here,and im mainly into 1/4wave (voigt pipes with 60% end constrictions) pipes for cheap sub thrills, but have just figured out that the Pi exists.So, is it a vented enclosure with corner room loading, or what? In an old speaker book, theres a corner horn, with a slot going the entire height of it about 1inch wide. a very simple triangle box.Pi seems pretty good, loud and pure sound.I have a 1/4wave reducing airpath with 12inch on end, (driver $F_s=45$, $Q=0.15$!(measured Q !), $v_{as}=6$ cu ft) SO it gives quiet bass. almost non-resonant, with wool (t-line) its the quietest sub youve ever heard (and smoothest) for 10\$ of wood.When i have the space,i think i want a Pi.

Subject: Re: voigt pipes vs corner horns

Posted by [Wayne Parham](#) on Sat, 10 Nov 2001 15:52:55 GMT

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Yes, in a nutshell, that's exactly what it is. The bass bin alignment is overdamped for response that is a conjugate of room gain. The DI of a trihedral corner is 9dB, so with this gain, its simplicity is hard to beat.