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Subject: Re: Room gain AKA cabin gain

Posted by [Wayne Parham](#) on Wed, 10 Mar 2004 22:03:20 GMT

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I think you're right, actually. I've always treated the room's corner as a conical section, but this changes at the ceiling. When looking at it like this, the expansion into the room from a corner apex appears to act like a conical section that changes to a parabolic section at the ceiling junction. See the post called "Room corner characteristics". Then there's also the opposing wall and the standing waves setup by it as well. It would be a good exercise to take a loudspeaker's anechoic response as a baseline and then measure it in various rooms of different sizes to compare their effects. I'd be very interested to see that kind of data.

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