

---

Subject: Edgar vs. Martinelli

Posted by [Wayne Parham](#) on Sat, 23 Nov 2002 17:58:18 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Both Edgar and Martinelli make excellent horns but I prefer using 90o horns for the home, particularly for cornerhorns. That makes the pattern equal for the entire audio band and charges the reverberent field equally. Narrower horns increase SPL on axis, but at the expense of having a narrower listening area. And collapsing directivity does weird things to the reverberent field, which I don't like. I'd also like to point out that compensation EQ making the power response flat doesn't abnormally increase energy in the room; Rather, it raises it to be equal throughout the audio spectrum. Acoustic EQ from collapsing directivity leaves the total energy in the room lacking at frequency extremes. So it is actually horns that employ collapsing directivity for acoustic EQ that have unequal energy distributions in the room.

---