

---

Subject: All horns have a discontinuity at their mouth edge

Posted by [Wayne Parham](#) on Tue, 21 Jan 2003 16:25:47 GMT

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

---

Any time there is a large discontinuity, there is a reflection. So the edge of a tractrix forms its end - a discontinuity - just like any other shape. The flare does curve so that it is flush with the baffle if, in fact, the horn is baffle mounted. That is good. But the horn is finite, so there is still reflection back to the throat from the terminal discontinuity at the mouth. Honestly, this is academic. There are great horns of many shapes. I prefer rectangular horns, as the dispersion pattern is more in line with what I want for the listening room.

---