

---

Subject: Re: How did Kirk defeat Khan?

Posted by [Wayne Parham](#) on Mon, 24 May 2004 21:22:35 GMT

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

---

I don't really think that either Adrian's or Mike's thinking is two dimensional, it's just that their horns are probably of uniform width so a two-dimensional CAD drawing has everything needed to describe them. As for standing waves, you're right about doing the math. No matter how it's folded, if you have three sections of approximately three feet each, I'd expect the horn to work well up to about 100Hz. So as long as output is limited to 100Hz, it should be alright. Still, one thing that's attractive to me about the equiangular spiral is that the radius is constantly increasing. When a horn is folded to approximate this shape, each section's length is different and that tends to break up the standing wave modes along the long dimension.

---