Subject: Discontinuity in horn : is it important ?
Posted by Eric Mainardi on Wed, 23 Mar 2005 18:34:07 GMT
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What seems to me worthy (IMHO) in round (tractrix) horns is that you are able to perfectly match the horn to the driver throat in producing the same angle : all compression drivers have a conical output with some angle and you can start your horn with this angle. So there is strictly NO discontinuity.Some spectral measurements we were able to achieve show that any discontinuity in a horn expension generates standing waves and turbulences..., I mean distortion.Meanwhile, some high end wood horns (TAD, FOSTEX, MARTINELLI,...) show a clear discontinuity at the output of the adapter (the metal piece where the driver is bolted to).So, my friends, do you attach some importance to this point or is it a "wrong" problem ?