Subject: Re: Designing a TL
Posted by Martin on Thu, 02 Jun 2005 15:32:34 GMT
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Bob,You wrote :"If the Qts is in the low 0.20's or lower, the driver belongs in a back horn. Performance in a quarter-wave pipe will be disappointing."My latest thinking on these "back-loaded horn" designs is that almost all of them are really TL's for the lowest frquencies. If you look at the mouth area, multiply it by between 2 and 8 depending on room placement, you will find that the horn cut-off frequency is probably much higher then the designs claimed low end performance. So the enlcosure exhibits TL responses for two or three modes and then transitions to a horn like response. Compare Nelson Pass's Kleinhorn with the Fostex designs. There is nothing wrong with this approach and I am using it in my latest design.Martin