Subject: Re: Newest acquisition 2 - 8" full range from Roland
Posted by roncla on Wed, 15 Sep 2004 13:08:08 GMT
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As an added note! I ran some sims earlier on using my waveform program which is not as advanced as Martins program and one whole heck of a lot more difficult to set up and run. Heres something interesting.Given the same Vb (volume of the pipe) the same driver in a set of 3 different designs this is what i saw. A positive taper (TQWT aka Voight pipe)will have to be longer and the harmonics will be closer together. A straight MLTL will be shorter and the harmonics will be further away from each other.A negative taper will be even shorter still with the harmonics being even further apart than the MLTL.These were all based on the same Fc or low tuning frequency of the cabs.Of them all , if i was into MLTLs at the present,i would go for the straight MLTL due to the easy construction and good median results.Stuffing will be necessary due to damping of the higher harmonics and BSC will be needed unless its placed very close to a wall or has a very large baffle.ron