Subject: Conical midhorns with 6" and 8" drivers
Posted by Wayne Parham on Tue, 27 Feb 2007 18:54:53 GMT
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I evaluated the Eminence Alpha 6, LA6-MB, LA6-MR, LA6-CBMR, Alpha 8 and Beta 8. Some I simply modeled, and found them too far out of line to be worth building a physical model to test. Some I decided would be worth building a prototype to measure, but ultimately found various things that prevented me from choosing any of those drivers. The problems I encountered were peaky response or too little lower midrange extension for my purpose. However, Adrian Mack used the Alpha 6 and was pleased with its performance. Response didn't go low enough for what I wanted to do, but his horn looked great to me and I expect it probably sounded good. Check out Adrian's posts in the links below:Adrian Mack's tractrix midhorn development threadMidhorn driver selectionHornresp questionsAdrian's early Hornresp models for his tractrix midhornAdrian considers the Alpha 6 driver for his midhornAdrian Mack learning my crossover models in Spice to design the crossover for his speakersAdrian describes his overall cabinet design planAdrian finishes making a physical model of his tractrix midhornAdrian posts measurement results of his tractrix midhornDiscussion about summing between subsystemsAdrian contemplates going with a conical midhornAdrian considers using the Pi crossover with a conical midhornAdrian builds a prototype conical midhornAdrian measures his conical midhornAdrian measures a completed midhorn, settles on this designMore measurements of Adrian's midhornAdrian decides on the rear chamber for his conical midhornAdrian's speakers come togetherAdrian's speakers getting closer to completionAdrian concerns himself with speaker placement