Subject: New Speaker with Deltalite
Posted by SvenC on Wed, 04 Jun 2003 15:10:50 GMT
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Hi:I finally decided to build a set of pi aligned speakers. Space being an issue, I used the new Eminence Deltalite 12", (Vd=5.42, Frd=42, Ots=0.36) and the Esg2 Ribbon tweeter (100db). The Pi program calculated Encl=1.98, Fr=43.625, and Q is 13.4. I had to manually calculate the port for the Q, which came out to 9.4" by 2.9" dia. The crossover is the 12db low and 18db high at 1.6khz with 2db attenuation (used from the crossover doc). I still have to put in the zobel, the parts are on order. Right now the housings are temporary.Powered by a set amp, the speakers sound great. I'm really enjoying them with all kinds of music. Good enough that I'm designing permanent cabinet for them.I do have a question. The Deltalite is flat until 1.5Khz @ 98db then it rises to a peak of 106db at 2.5 khz and then drops off. Is this the crossover going to remove enough of this peak? I did a search but did not find much on this.Regards. Sven