Subject: Re: piAlign software and figuring Zmax
Posted by juanstein on Fri, 27 Apr 2001 21:48:31 GMT
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Hi Wayne!Since you brought up the subject on the high efficiency forum, is the port length calculated by piAlign the corrected length Lc for the port volume? ;P If not, how can a humble soul determine the correction factor?Also, I was looking for some idea as to trade-offs among different port shapes. That thread where you posted was on that, but turned into a whole lot of nothing other than a discussion on port pipe resonance. Do you have a preference due to turbulence considerations or cross width standing waves (should be quite high in frequency, out of the passband)?Since the enclosure doesn't care WHERE the port is, could one just make a hole (rectangular) in the enclosure and mount the port at 90 degrees to the hole externally (port's on the back). Is there a problem using a side-excitation with a compression wave? It changes a few parameters for a transverse wave (em). With the right angle turn, I can see a problem with where do you consider the box to end and the side chamber to begin. Making the enclosure wall very thin at that point should(?) help. Otherwise you have the chamber created by the enclosure thickness before entering the resonant chamber.I know it sounds like a pain, but an externally mounted length could be easier to adjust. Waddayathink?