

---

Subject: A short comment.

Posted by [mollecon](#) on Sat, 13 Sep 2003 00:35:28 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

As I said, I don't know zilch about group delay (have a vague idea).Quote: "Mollecon said larger vented boxes means less ringing. But it can mean HUGE peak in Group Delay Curve near resonance. Does that not mean the larger box increases overring?"Ehh, no, & definitely NOT in the case of a closed box. Larger box means lower Q, hence less ringing. And I'm almost certain that the same is the case for a reflex box, basically (not taking manipulation with the tuning into consideration).A couple of other things of interest: The alignment B2 (Q=0.7) for a closed box AND the alignment B4 for a reflex box is in both cases the optimum box size for the lowest possible -3dB point for any given driver. Optimum does not always mean IDEAL, mind you!Reducing box size (again, this goes for both box types) have one advantage: It gives smaller impedance peaks on/around the resonance & therefore represents an easier load on the amplifier. On the other hand it could be argued that the resonance also might go up into an area where the bass content is larger, so the strain put on the amp will in practice remain the same - life isn't easy! ;-)

---