

---

Subject: influence of interior

Posted by [JackBlue](#) on Wed, 01 Sep 2004 19:46:48 GMT

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

---

Hi all, first post here. I know that a speaker box acts to modify the woofer parms. This is part and parcel of speaker design, matching the box and speaker to act together. However, the front of the speaker is assumed to be open into infinite space. Now when the front of the speaker is enclosed as tightly as a car interior, it makes another cabinet that is only maybe 10x the size of the rear box. In some cases, the car cabin may be almost as large as the rear box. The fact is they are nearly the same volume or at least a near ratio, less than 10/1 or so. Not at all an infinite space. That brings me to the point. What happens to the speaker when the front firing space is closed like that? Are there programs that help calculate resonance and frequency response? Thx, JackBlue

---