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Subject: Re: influence of interior

Posted by [Bill Fitzmaurice](#) on Sat, 04 Sep 2004 21:30:30 GMT

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Model a closed box speaker, then model it again as a 4th order bandpass, keeping the rear chamber volume constant. The Fb will drop. When you put a sealed box speaker into a car the car's interior serves as the front chamber, which you are sitting inside of. It's the mass of the air in the car that causes the Fb drop, as within a small room it adds to the mms of the driver via acoustic coupling that doesn't happen in larger rooms.

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