Subject: Re: two full range speakers mounted on the same open baffle
Posted by Wayne Parham on Sun, 13 Feb 2005 05:52:02 GMT
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Two dissimilar drivers in a common enclosure will act like three tuned systems: Driver 1, Driver 2 and Cabinet. I'm not aware of any modeling programs that provide inputs for two different drivers, so you might have to go at it empirically.One thing I'd be careful of is mixing drivers that were vastly different in displacement. And when I say displacement, I mean absolute displacement which includes power and efficiency as well as size and excursion capacity. What I wouldn't want is a large driver that could provide a lot of pressure combined in the same chamber as a small driver with less excursion capacity. The larger one would tend to push the smaller one beyond its limits.I realize that you're talking open baffles, so some of these things will not apply. But you might consider the tuning aspect and coupling between drivers as you proceed.