Subject: Re: Panel Resonance
Posted by Wayne Parham on Wed, 15 Oct 2003 01:33:16 GMT
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Panel resonance looks like a resonator, set to the resonant frequency of the panel and with Q determined by the amount of damping. There are lots of these "little resonators" in any physical system, and their behaviour appears chaotic, like breakup modes. But one can view them reductionistically and analyze each one.It's probably easier just to brace the heck out of each panel, to shift the resonance out of the bass range where the woofer excites the cabinet. This shifts panel resonance away from excitation frequencies, and it also makes more energy required to induce sympathetic motion. So that's a good way to handle it.