Subject: "Crossover Electronics 101"
Posted by Wayne Parham on Mon, 10 Mar 2003 06:33:36 GMT
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I've just uploaded the handout that will be passed out at the "Crossover Electronics 101" seminar at the Midwest Audiofest. It contains some of the things mentioned on the forum over the past few years, such as was discussed recently in the threads called "Low-order and high-order crossovers" and "LC Peaking."The handout is very much like a condensed form of the crossover document, and it also includes some basics like Ohms Law and reactive circuit formulas. Don't let any of that scare you 'cause it's pretty easy stuff. But do bring your calculators.I plan on having some speakers and connecting different crossover configurations so we can listen to each of them. This will allow us all to actually hear the effects of things shown in response graphs. We'll start off by going through some basic electronics and move quickly into things like low-order crossovers, high-order crossovers, resonance, peaking and damping. We'll look at various circuits and why they act as they do, and we'll see what happens at resonance and why that's important. We'll also look at various compensation circuits and dampers including Zobels.It's just a month away. I hope to see you all there!