Subject: Re: Been learnin' about crossovers
Posted by Wayne Parham on Tue, 06 Sep 2011 03:13:59 GMT
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One thing I've learned about crossovers - Textbook garden-variety filters are never optimal. The best crossover will always have some fudged values, not textbook ones. Getting the phase angles right for the complex load and specific path lengths always means juggling the values to dial-in the lobe. So there's little meaning for me of the basic slopes described as Butterworth, Linkwitz-Riley, Bessel, Chebyshev, Elliptic, etc. All describe a specific transfer function, but I never implement any of them in practice. Mine are always modified slopes, hybrids, dialed in to set the transfer function and forward lobe precisely where I want it to be.