Subject: Re: Modeling effects of XOver
Posted by Wayne Parham on Tue, 02 Dec 2003 20:37:35 GMT
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Those are the correct formulas for calculating reactive impedance, but the impedance figures given should not be considred the same as resistance. Resistance is a dissipative load whereas reactance is a reflective load. Pure reactance doesn't actually absorb power and do work; Instead, it reflects the energy back. This property is described by considering reactive impedance to be out of phase with resistance by 90o; It is expressed as an imaginary term with the value i or the square root of -1. As such, reactances must be combined as vectors.You might want to get an electronics textbook and study AC circuits and reactive impedance. That will shed some light on this for you.