
Subject: Modeling effects of XOver

Posted by [GarMan](#) on Tue, 02 Dec 2003 16:21:12 GMT

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Wayne, Thanks for the tip. I'll swap the leads to the tweeter and see how it sounds. Maybe you can help me with a problem I'm having. As I've mentioned, I can't get SPICE to work, so I'm modelling in MS Excel. I'm using the formulas $R(L) = 2\pi f L$ $R(C) = 1/(2\pi f C)$ to table reactance of XOver components across the frequency range and using those figures to determine voltage drop across the drivers for a given Xover configuration. The drivers are modelled as R_e and L_e in series and dB drop is calculated as $20 \cdot \log(\text{voltage drop})$. Is there anything wrong with this approach? I'm not getting the same curves as I see from textbook examples. thanks, Gar.
