Subject: it's Greek to me
Posted by artsybrute on Tue, 26 Aug 2003 19:11:32 GMT
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Hey, I'm just a hobbyist trying to build a speaker."Impedance can be found by measuring the

inductive circuits. I assume I find resonance (and from this paper I understand that resonance is where inductive reactance and capacitive reactance are equal), then plug the values into that formula. But I don't know the inductance. Furthermore, from I=E/Z, we can derive Z=E/I. Fine. The signal generator I ordered puts out 1.2V RMS. I don't know the current it puts out.I'm to put a 10 ohm resistor in series with the speaker coil. Am I to break the circuit at Zmax and Zmin and measure current draw with a milliameter?Do I then measure voltage drop across the coil once I reconnect the circuit?"This reactive circuit (inductance and resistance) forms a voltage divider, so you can use Ohms law and reactive circuit formulas to determine the impedance of the motor."We put the resistor in series with the coil. I don't understand how this is a voltage divider. Where are we dropping the divider to ground?These questions certainly must seem naive to you, but again, I'm a hobbyist who just wants to build a speaker.