

## **ELECTRONICS**

### **LAB 3: RLC RESONANCE**

Design and build an RLC series network that exhibits a resonance that you can measure with the instruments in the lab (most of which measure voltage). Find the resonant frequency and compare it to the predicted value from your circuit and components (be sure to measure the resistance of the inductor you use).

Graph gain vs. frequency as measured in the lab on a log-log plot. On the same graph display the theoretical curve also.

Check your results using Electronics Workbench. You can plot the gain vs. frequency curve using the Bode Plot tool in EWB.