EECS 212 Circuit II
Spring 2016

HW # 7, Due Monday March 28th, 2016 in class

Reading assignments: relevant sessions in Chapter 16

HW 16.15, 16.16, 16.10

Problem 4: The series RLC circuit in the following figure is driven by a variable-frequency source. If the resonant frequency of the network is selected as $\omega_0 = 1600$ rad/s, find the value of $C$. In addition, compute the current at resonance and at $\omega_0/4$ and $4\omega_0$.

Problem 5: Given the following network, determine the change necessary in the variable resistor to cut the bandwidth of the circuit in half. What is the new bandwidth?