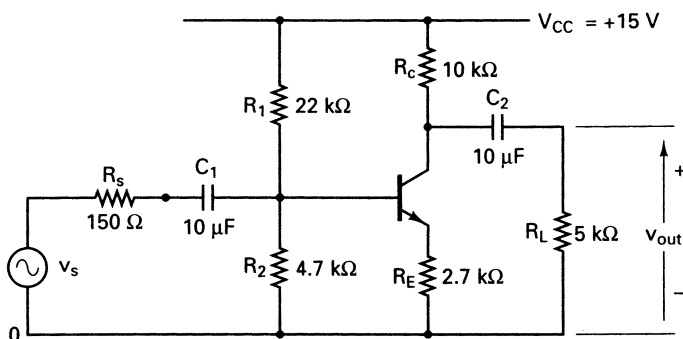


8-6. For the circuit in Fig. P8-6, calculate and plot (a) the magnitude and phase angle of voltage gain, (b) the magnitude of input impedance, and (c) the magnitude of output impedance. The frequency is varied from 1 Hz to 10 MHz in decade steps with 10 points per decade. The peak input voltage is 10 mV. The model parameters of the BJT are $I_S=2E-16$, $\beta_F=50$, $\beta_R=1$, $R_B=5$, $R_C=1$, $R_E=0$, $C_{JE}=0.4PF$, $V_{JE}=0.8$, $M_E=0.4$, $C_{JC}=0.5PF$, $V_{JC}=0.8$, $CCS=1PF$, and $V_A=100$.



8-9. Repeat Problem 8-6 for the circuit in Fig. P8-9.

