

H.W. #10 EE 221 Spring 2023

Show your work for credit and put a box around each of your answers (follow the hw guidelines!)

1. Determine the frequency response of the integrator seen in problem 1 of homework #6. Compare your hand calculations and plots (magnitude and phase) to LTspice simulations. (4 points)
2. Determine the frequency response of the circuits seen in problem 2 of homework #6. Compare your hand calculations and plots (magnitude and phase) to LTspice simulations. (8 points)
3. For the circuits seen in homework #6, parts a and b (not c and d), use your frequency response plots from problem 2 to sketch the input and output of the circuits if the magnitude of the input signal is 100 mV and the input frequency is 100 Hz. Compare your hand sketches to LTspice transient simulation results. (4 points)