Week 6: Circuits Lab

Tuesday, October 4, 2022   10:25 PM

Did the prelab quiz and made sure Dr. Dan's parts library worked with my fusion
Objective: Complete the in lab quiz and work on tech memo If time allows
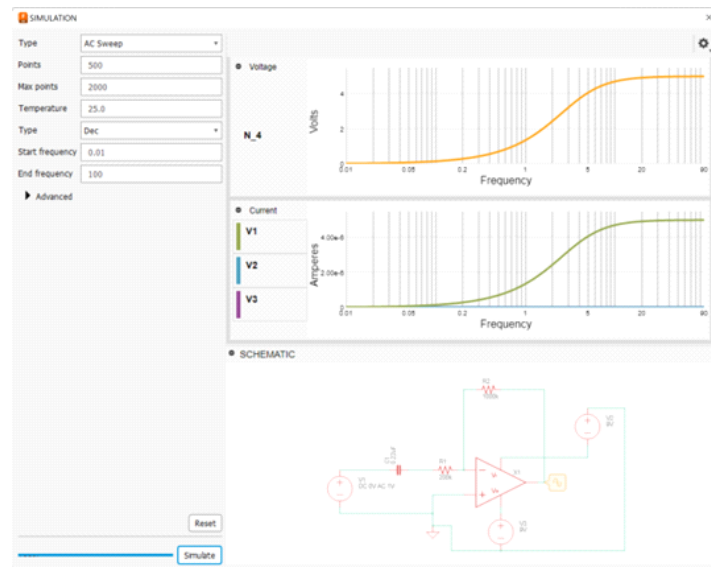
Pre Lab Quiz Math:

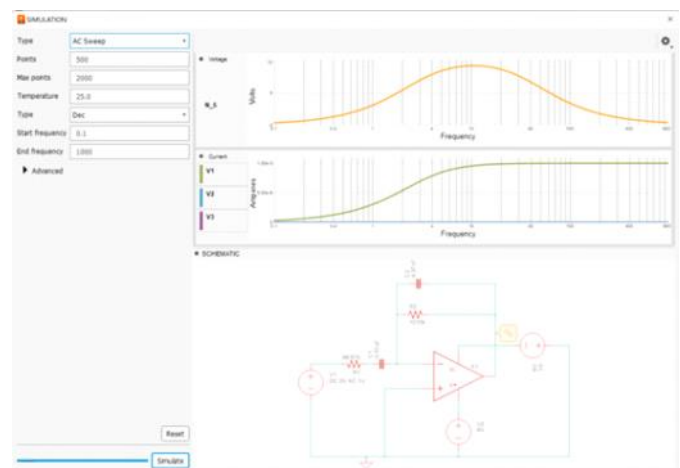$$G = \frac{1 \times 10^6 \, \Omega}{200 \times 10^3 \, \Omega} = 5$$

$$G_{dB} = 20 \log(5) = 13.98 \, dB$$

$$f_c = \frac{1}{2\pi \left(200 \times 10^3 \, \Omega\right)\left(0.22 \times 10^{-6} \, f\right)} = 3.617 \, Hz$$

High Pass

Band Pass

Week 7: More Circuits Lab

Monday, October 10, 2022   10:57 AM

No OP AMP DC Motor: Voltage Drop: 500mV, 999RPM
OP AMP DC Motor: Voltage Drop 4.09V, 8174RPM