Nathan Fisk

I learned a really cool way to calculate the current in a circuit through a given point using an oscilloscope or multimeter without having to break the circuit. You use a shunt resistor of a predetermined value somewhere in the circuit and when you measure the voltage across it, you can find the current just by using ohms law. It is a super simple solution that would have helped save a bunch of time and stress back when we were trying to get our current measurements in Phase 1 project. I really like this solution moving forward though because I only have a multimeter at home without any other fancy equipment so finding currents is now a whole lot easier than trying to rebuild something to go through my multimeter in series.

I also don't think there are too many other topics I want to learn about specifically. I came into this class really hoping to understand audio amplifiers better so I could better understand my own audio equipment. I really loved learning about filters and applying them to our own speakers has been a blast. On the side of designing the filters, one thing I was wondering about was if there was a way to measure the frequency response of our built speakers so we could compare that data to the calculated one. I have seen people on youtube hook up like an accelerometer to the sides of their speaker to test the vibration strengths at different frequencies. I think learning how to measure the quality of our speakers' performance in an objective way would be one more cool thing to do so I may do some more research on that. All in all though it has been a pretty fun class!