

Week 8: EKG Project

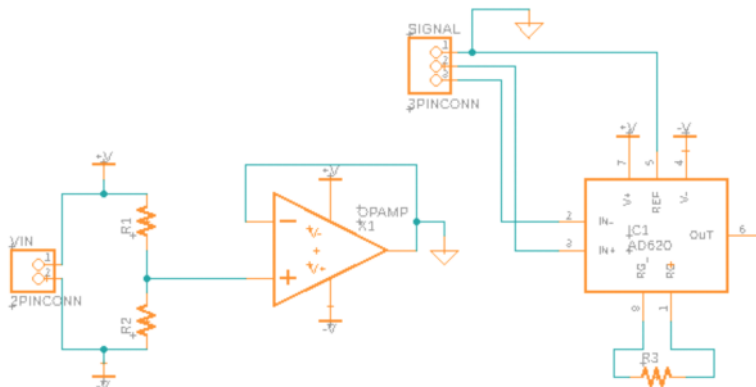
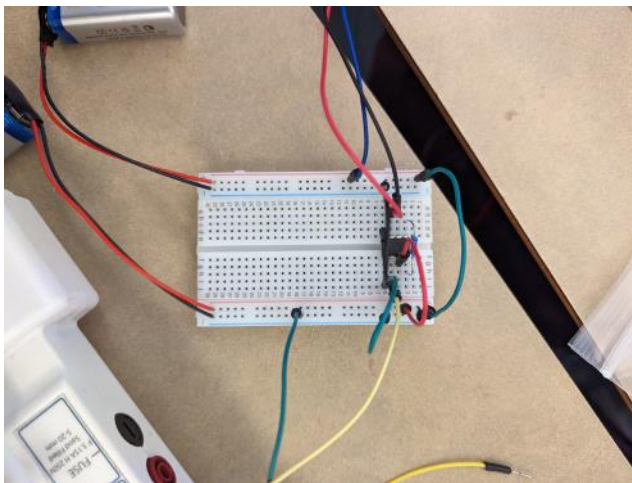
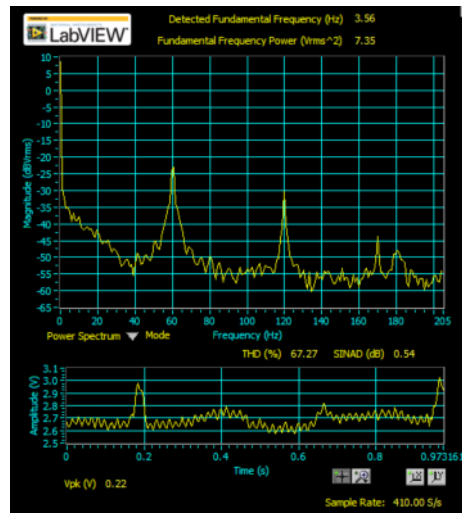
Objectives:

1. Construct a working instrumentation amplifier circuit on your solderless breadboard to measure your ECG signal
 - You will use 2 batteries for this, so you don't have to worry about building a voltage follower
 - Measure your ECG using the ELVIS boards and the ELVIS tool "Dynamic Signal Analyzer"
 - No filtering is needed yet, just the instrumentation amp part
2. Design the voltage follower and instrumentation amp part of the ECG in Fusion 360 - just get the schematic done
3. Prepare for week 9 and do the presentation work.

Design:

Resistor used: 200 ohm

Warning! Cable stress affects reading



Week 9: More EKG

Tuesday, October 25, 2022 7:05 PM

Objective:

Finish PCB design in Fusion 360.

1. Add high-pass and low-pass filters
2. Design the PCB
3. Have design [peer-reviewed](#)
4. Export design so we can order custom PCB - submit the .zip Gerber files to the [PCB design assignment](#)