
GUI modification and Firmware debug

Monday, July 15, 2019

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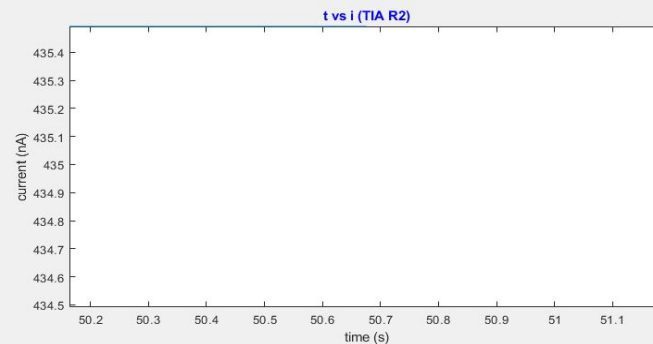
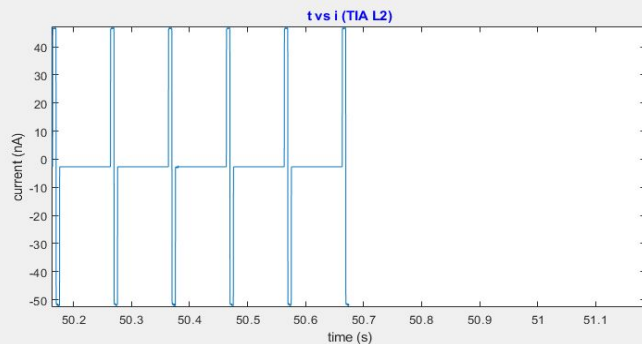
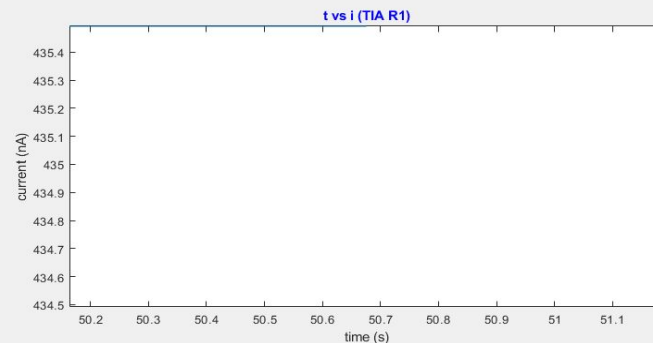
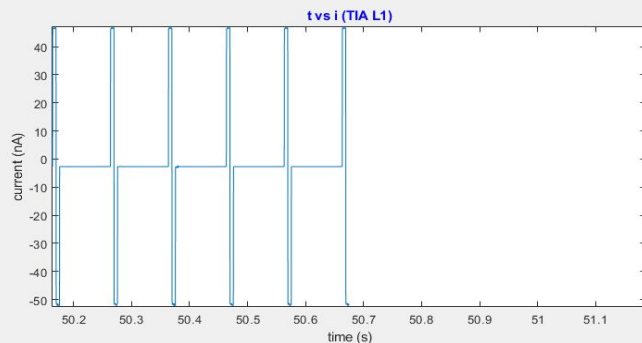
Completed Task

- Four Channel firmware (verilog) debug: Done
- Four Channel Matlab code modification and debug: Done
- GUI Realtime Plotting setup: Done (next two slides)



Four Channels Time vs Current plot

Four Channels Time-to-Current Plotting Four Channels Voltage-to-Current Plotting

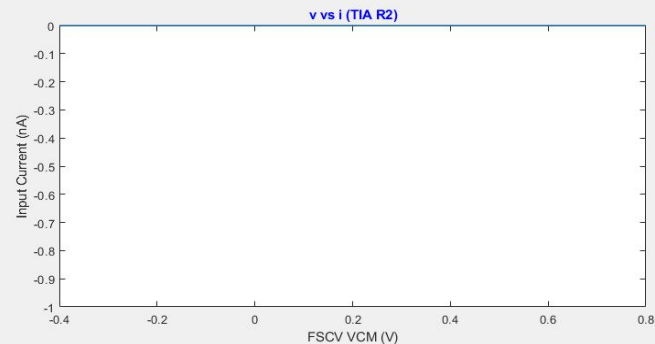
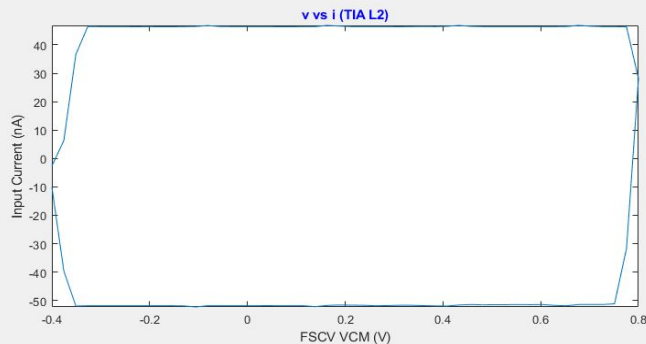
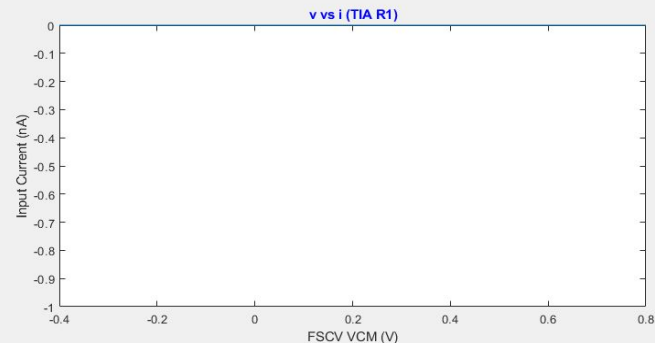
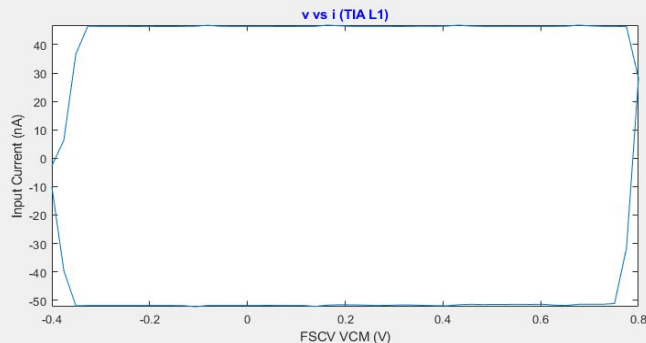


Because currently we only have two channels, we can only realtime plot two of them!



Four Channel Voltage vs Current plot

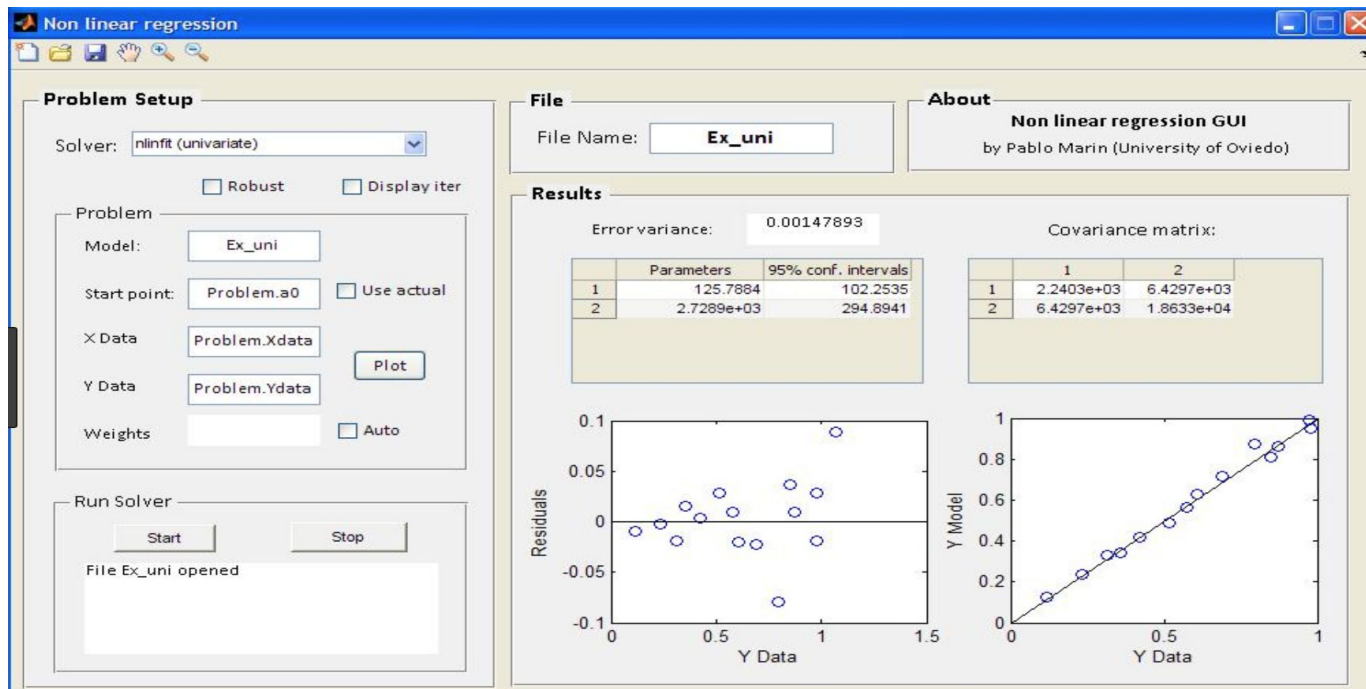
Four Channels Time-to-Current Plotting Four Channels Voltage-to-Current Plotting



Once we have four channels, it should work properly!



Example of Good GUI design



I found this GUI online, and think this one is pretty good. Please let me know your suggestions and I will keep working on it!
Thanks, professor!



Task for This Week

- Mon : Design the new version of GUI
- Tue: Calibrate the ADC and feedback Resistant
- Wed: Continue design GUI, Soldering PCB and testing it

