Determining the damping coefficient:

* Start the data collection
* Move the pendulum about 3 degrees
* Do 30 seconds of data collection

Calculating the motor gain, K\_m

* Double click the AC button
* Final value is the voltage
* Click run
* Save the data
* Determine the minimum voltage so that the pendulum barely moves, and that’s your friction

Calculating the motor time constant

* Change tau until the simulated matches the output (actual)