Currently “CSV\_Read” will load the csv’s and save them to “April Test Data.mat”

I see no reason to need to even open this, downloading the mat file should be enough.

“data\_reduction.m” loads “April Test Data.mat” and then does a number of things to it:

* Uses the points before walking to adjust the baseline measurements to be equal
* Defines a range (1 cycle) to look at
* Adjusts the time (by matching the peaks I determined we started them 0.1s apart)
* Finds the relative acceleration
* Integrates twice
* Sets the stretch at the start of the cycle to zero (I don’t know if that actually matters?)

You can extract x(t) and v(t) from that. Positive x should be elongation in the strap compared to the start point (dang initial conditions).