There were two issues with the data before:

1. strange/ unreliable transition to steady state for the work-loops with isometric calcium
   1. This was happening because, prior to running the simulation, I would sometimes fail to set the afterload to the value that corresponded to the preset calcium transient. Maybe I should write some code to solve this problem so that I don’t accidentally forget in the future
2. loops not working for low afterloads
   1. This is simply because the passive recovery curve interferes with the generation of the work-loop at low afterloads
3. skipping was sometimes occurring in the work-loops (in both isometric calcium and ‘regular’)
   1. To fix this I just altered the python code, specifically, the condition that signalled the end of isotonic shortening and the beginning of isometric relaxation (line 84 in “Worklop\_protocol\_with\_passive\_cyclingTEST.py” and “Workloop\_protocol\_with\_passive\_cycling2.py”)

Picture of WL with isometric calcium, SL1.85, and afterload = 0.11688

(before adjusting the python code):



(after adjusting the python code):



Work-loops with dynamic Ca2+ and afterload = 0.17018 (60 loops to steady state):



Work-loops with SL1.75 and afterload = 0.07197

(oscillations):



close up of oscillation:

