1. Download folder named ‘Controller Optimization’
2. Run the script ‘parallel\_sim’
3. Set stop time for the simulation to 60 sec.
4. In matlab workspace, set variable n to equal 4 times the number of cpu cores your computer has.
5. Run the following command: tic;out = parsim(in(1:n), 'ShowProgress', 'on');toc;
6. To get time (minutes) until all iterations are complete, use the following formula, where num1, num2 and num3 are variables in the script. is the elapsed time to run the command in step 5.
7. If the time is acceptable, then continue to step 8. Otherwise, tune the time down to something more reasonable. The stop time can be reduced to 30 seconds (from step 3). os can be reduced to 20. os step size can be increased to 2. Step size for ts can be increased to 0.2. Repeat steps 5-6. If those changes still don’t lead to a reasonable time, let me know.
8. Run the following command: tic;out = parsim(in, 'ShowProgress', 'on');toc;