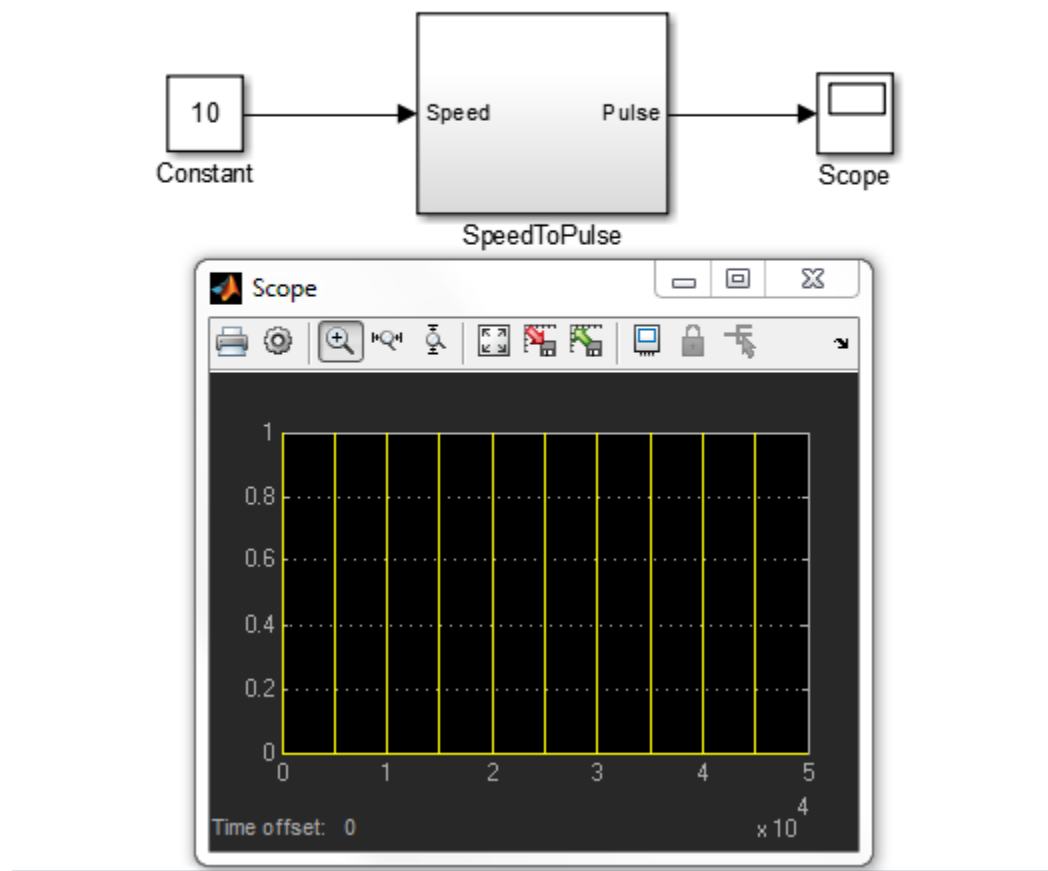


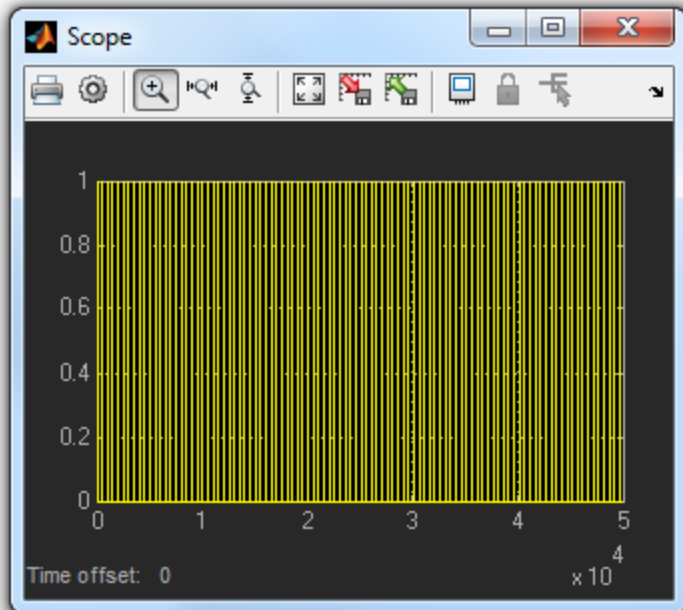
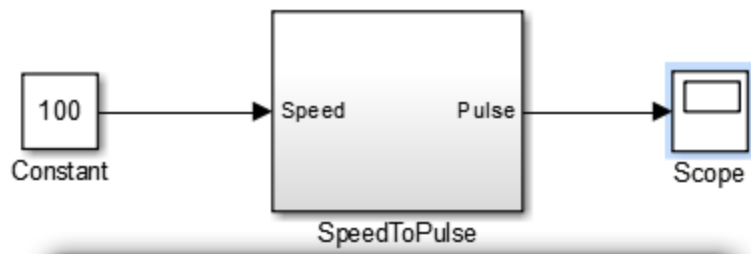
Raymond You

Patrick Sheehan

Lab 10

Assignment 1

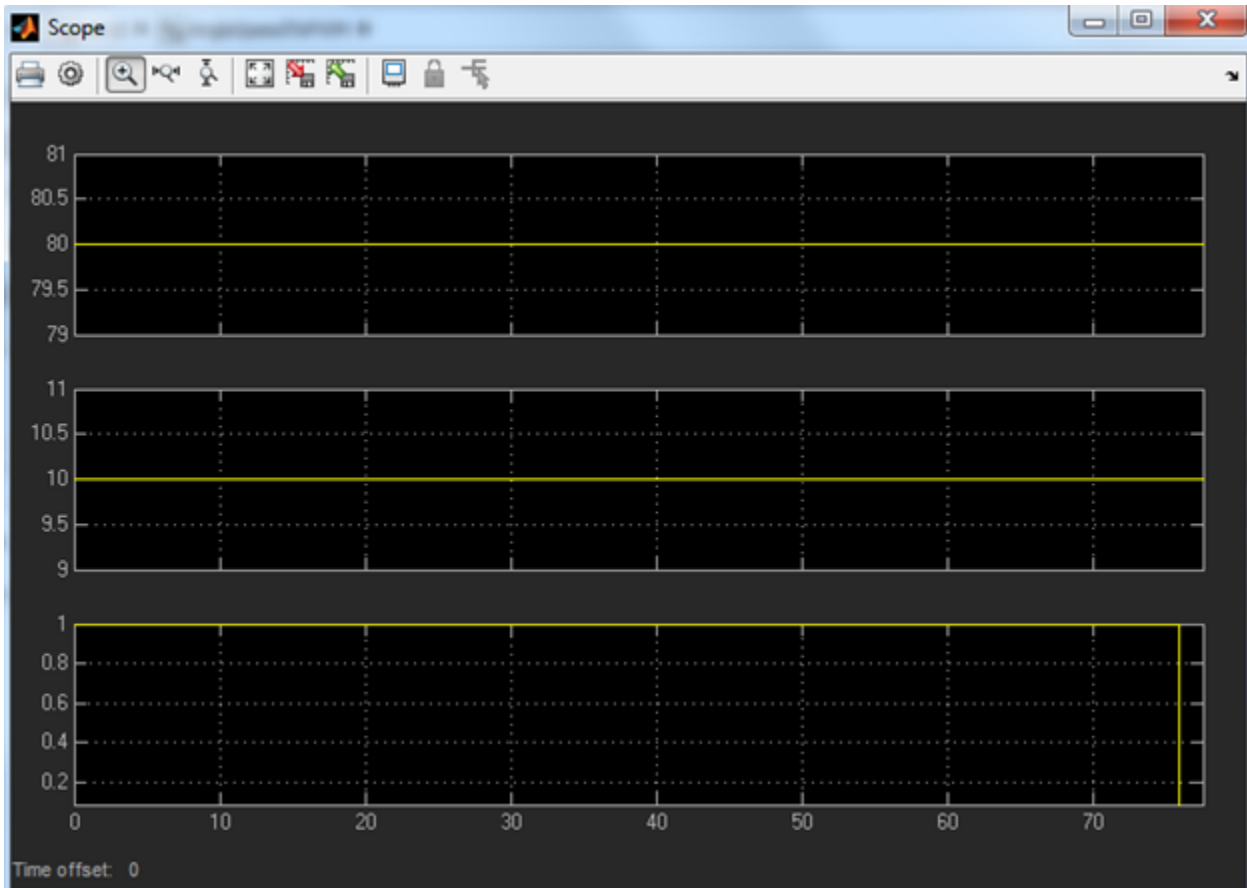
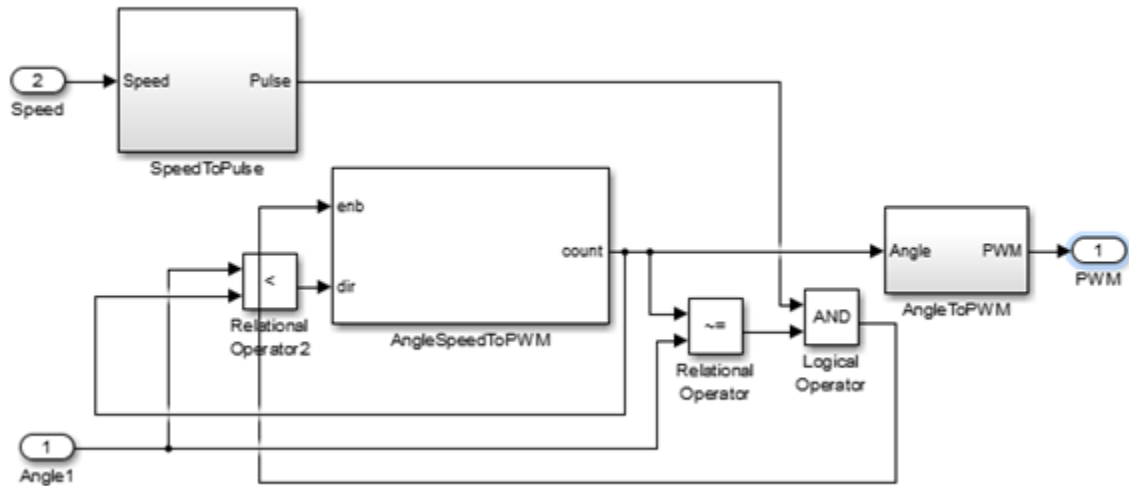


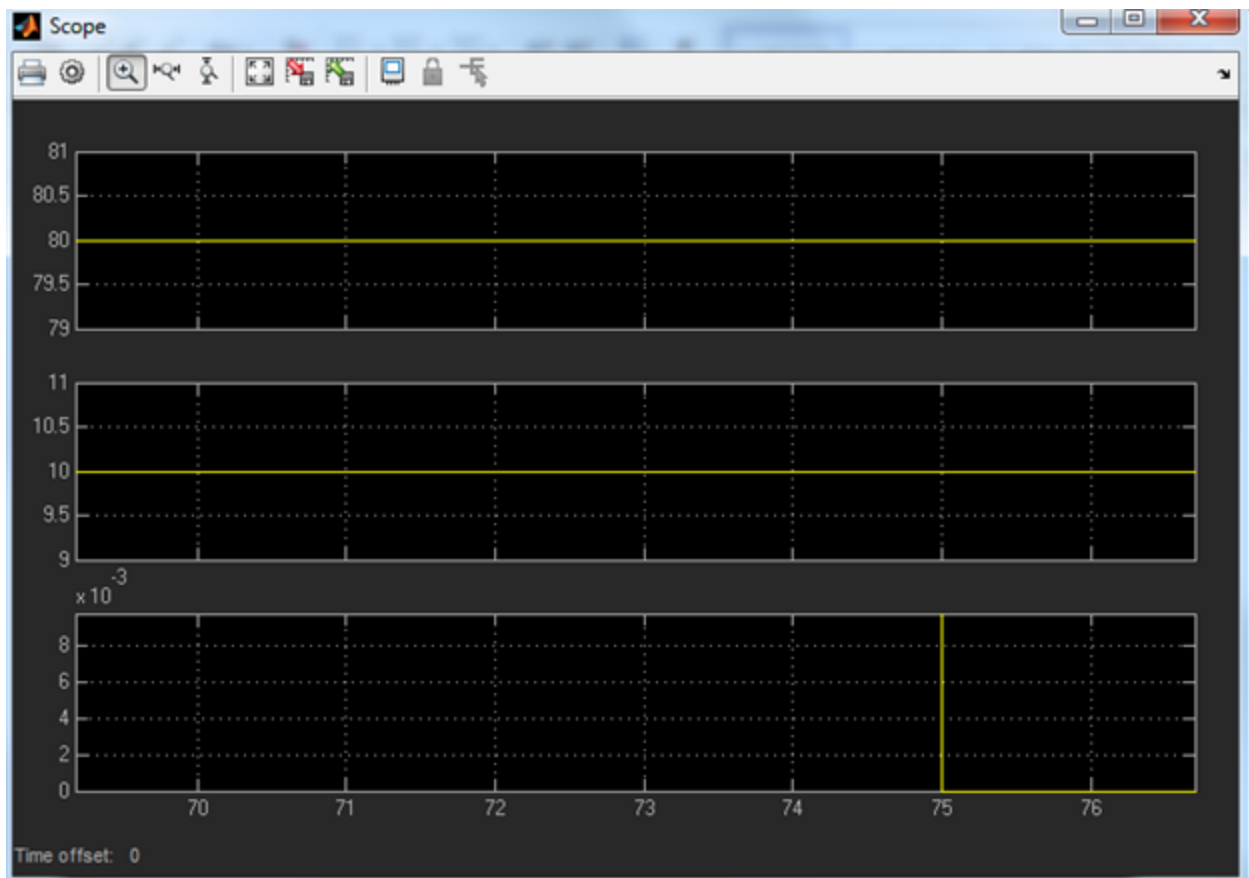


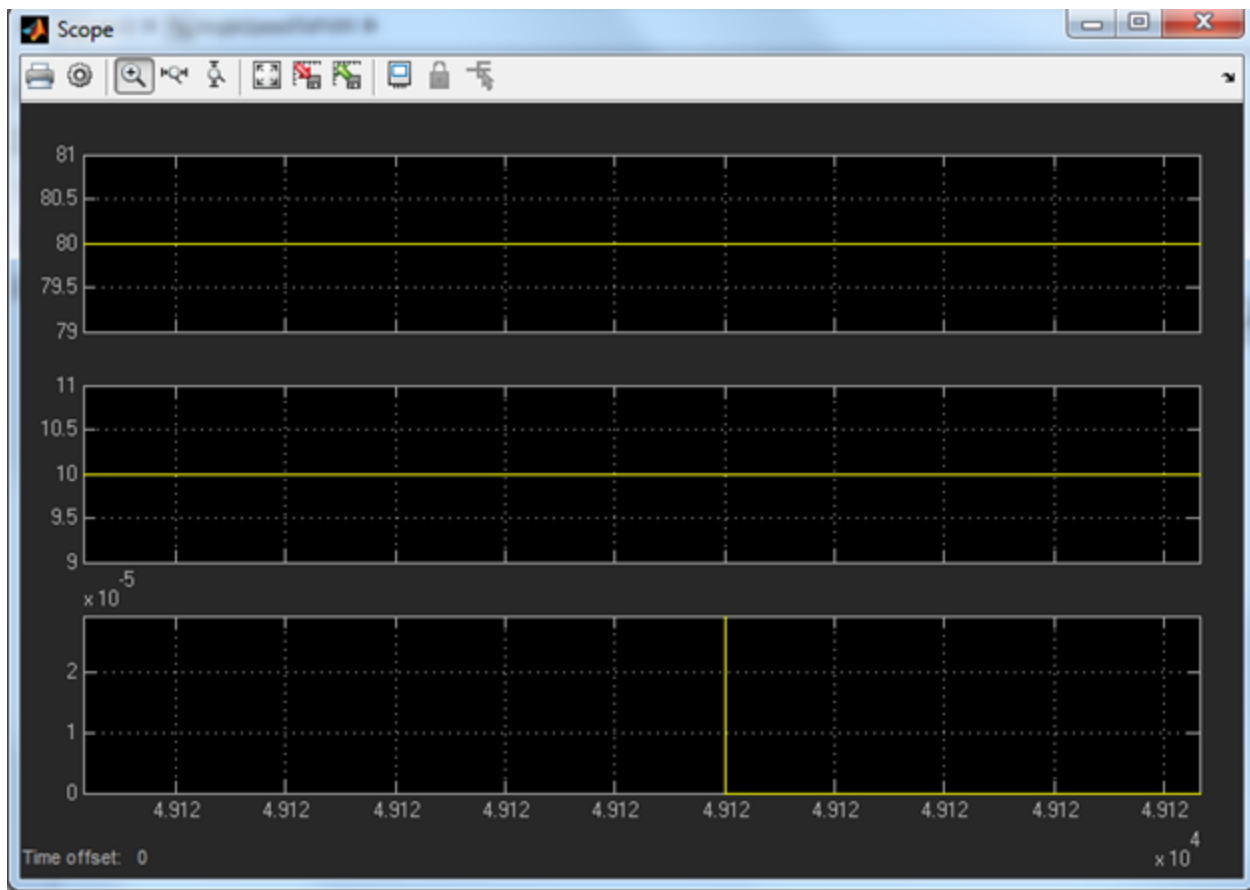
The faster the speed, the smaller the period.

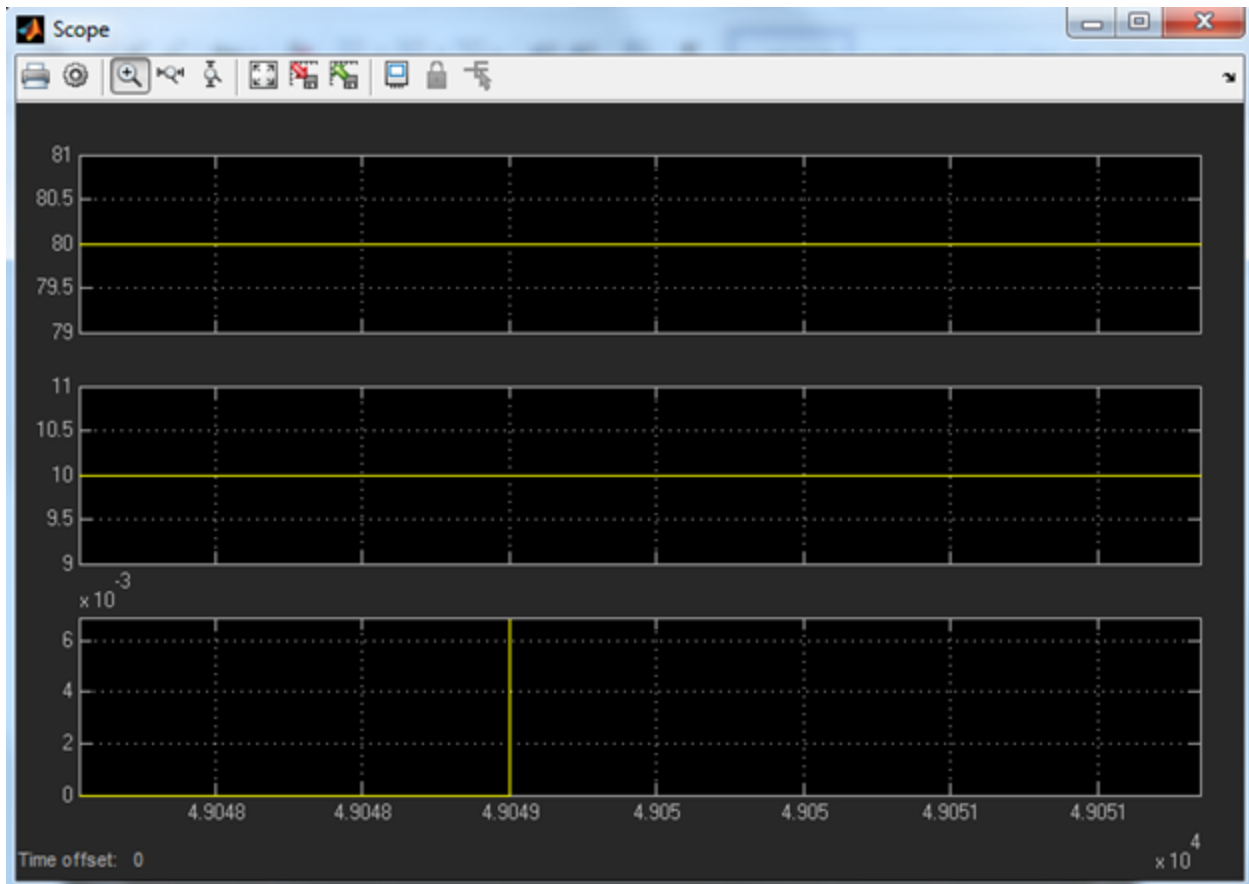
Assignment 2

lab10 ▶ AngleSpeedToPWM ▶









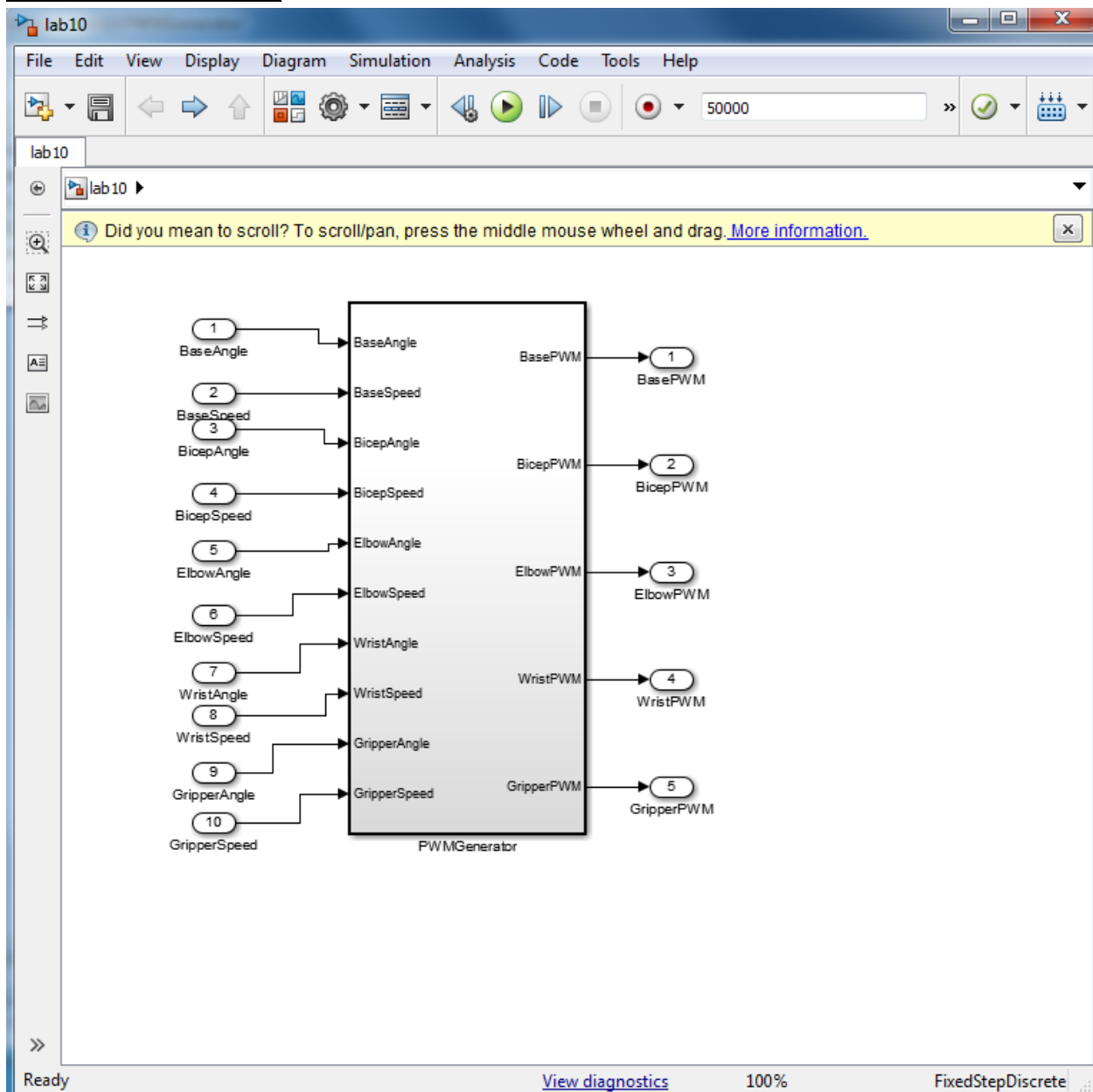
$$4.912 - 4.9049 = 0.0080$$

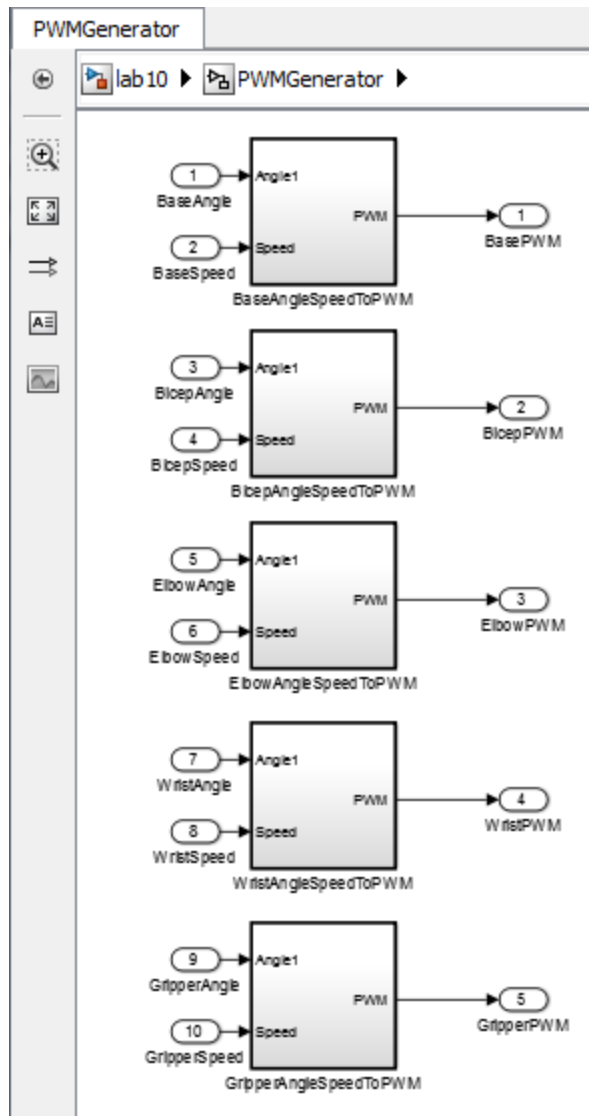
The AngleSpeed controls how fast the angle counter changes. So the angle you start with at the beginning with is 90 degrees, slowly alters to the given angle which was 80 degrees.

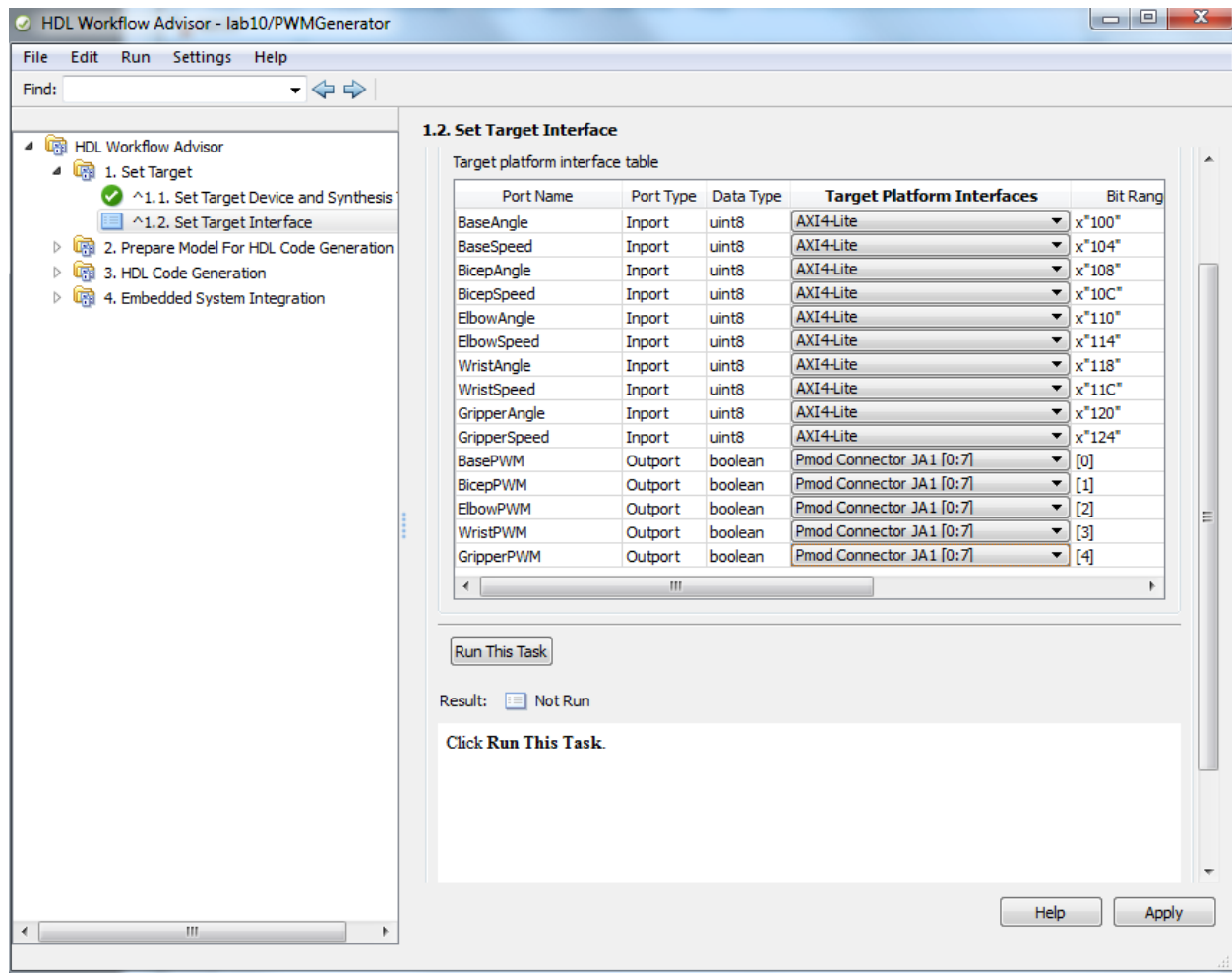
Assignment 3

Video attached to demonstrate

Assignment 4







Assignment 5

Attached a video to demonstrate the object throw.

Assignment 6

In the main file:

All the angles for each servo are initially set to 90. You press up to set the direction up (increase angle) and you press down to set the direction down (decrease angle). The angle is in the bound of 0 to 180. The minus button controls the base. The home button controls the bicep. The plus button controls the elbow. The one button controls the wrist. The two button controls the gripper. At the end of the while loop, it moves all 5 servos to the correct location.