1. Provide a plot of your distance vs. launch angle experimental data\* and your fit from *HW7\_projectile.m*. The resulting velocity should be displayed on your graph, or if it is not, include a screen shot of the velocity displayed to the Command Window.

(\*the data you used to obtain the experimental velocity you used for the competition (if applicable) or your best data)

YOUR PLOT GOES HERE

1. Provide a plot of your launch angle vs. servo angle experimental data\* and your fit from *HW7\_linkage.m*. The resulting offset values should be displayed on your graph, or if they are not, include a screen shot of the offset values displayed to the command window.

(\*the data you used to obtain the offsets you used for the competition (if applicable) or your best data)

YOUR PLOT GOES HERE

1. Were you able to hit targets using your velocity from *HW7\_projectile.m* and your offsets from *HW7\_linkage.m*? If not, what adjustments did you make to these or other values in order to hit targets? Were you able to use a single velocity/power for all of the targets, or did you need to split the target plate and use two different values? If you did not use the projectile motion and/or fourbar kinematics equations in your competition code, briefly describe how you accomplished your targeting.

YOUR RESPONSE GOES HERE

1. Briefly describe any ways (if any) in which you deviated from the suggested Arduino pseudocode and/or any unique programming strategies that gave you an edge in the competition.

YOUR RESPONSE GOES HERE

1. Briefly describe any ways (if any) in which you modified the hardware, actuators, or sensors in order to compete successfully.

YOUR RESPONSE GOES HERE

1. Please complete the following table:

|  |  |
| --- | --- |
|  | **Maximum # of targets hit in a single run** |
| **During the competition** |  |
| **During Demo 4** |  |
| **Ever** |  |

1. Briefly describe the biggest obstacle, in your opinion, to hitting targets.

YOUR RESPONSE GOES HERE

1. Briefly describe the most difficult aspect of the project.

YOUR RESPONSE GOES HERE

1. Please provide any feedback you think would help us improve the project and competition in future semesters.

YOUR RESPONSE GOES HERE