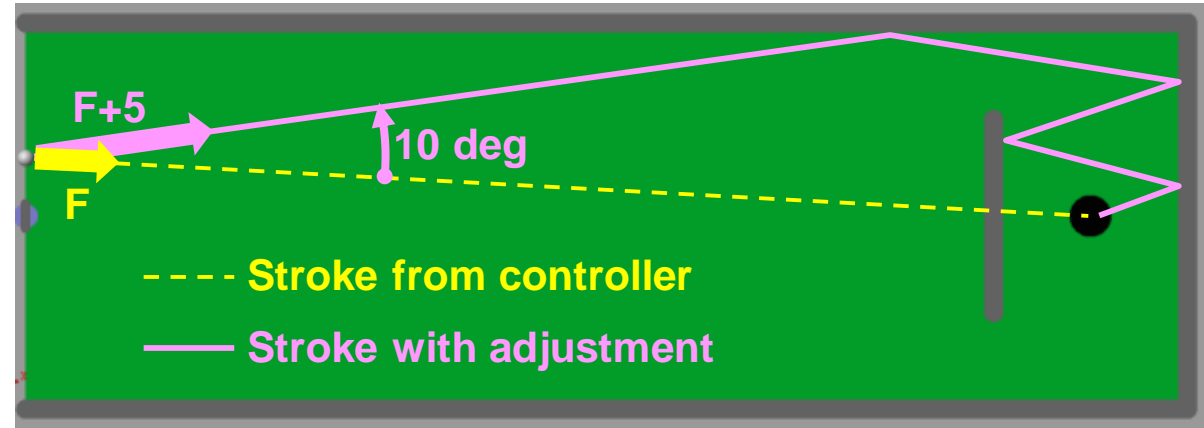


Playing a Hole

- Maximum of 10 strokes per hole
- For each hole, set up adjustments per stroke

- Angle and force



Stroke 1 ... Stroke 10
Angle, Force;

```
... Hole_2.Open_Loop_Adjustments = [0 0; ... 0 0];
```

```
... Hole_2.Open_Loop_Adjustments = [10 5; ... 0 0];
```

- Control system
 - Stroke taken when putter velocity is <0.03 m/s for >0.7 seconds
 - Putter moves into position for next stroke when ball velocity is <0.015 m/s for >0.2 seconds
 - Simulation stops when ball stays in the hole for >0.2 seconds
- Ball path is plotted when simulation stops

Key Parameters

Mini_Golf_Model_PARAM.m

- Values you must change to play the game

```
%%% VALUES YOU *MUST* CHANGE %%%  
% OPEN LOOP ADJUSTMENTS, PER HOLE  
Mini_Golf_Param.Hole_1.Open_Loop_Adjustments = [20 3; -80 2;  
Mini_Golf_Param.Hole_2.Open_Loop_Adjustments = [-30 2; 40 3;  
Mini_Golf_Param.Hole_3.Open_Loop_Adjustments = [0 0; 0 0; 0
```

- Do not change:

```
%%% DO NOT CHANGE ANYTHING BELOW THIS LINE %%%
```

- Double-clicking on subsystem labelled “Play All” will play all holes and save score to Excel file “Mini_Golf_Results.xls”

Play All