

Executing the code

1 Instructions

Download the .fis file, rename it as **DistanceSpeed** (note the underscore is dropped) and open with MATLAB.

The code editor will show all the details within the file.

The following lines are for execution of the code: (Command Window)

1)**testfis=readfis('DistanceSpeed.fis')** This will read the fis file by the name 'testfile'.

2)**evalfis(testfis,7)** This will evaluate the speed output when the input distance is 7m.

You can input whatever value you wish instead of 7 with the only restriction that it is within the closed interval [0,10].

3)**surfview(testfis)** This will show the surface plot for input vs output. Since there is a single input (distance) and a single output (speed) the plot is 2D.

4)**fuzzy** This will open the fuzzy toolbox.