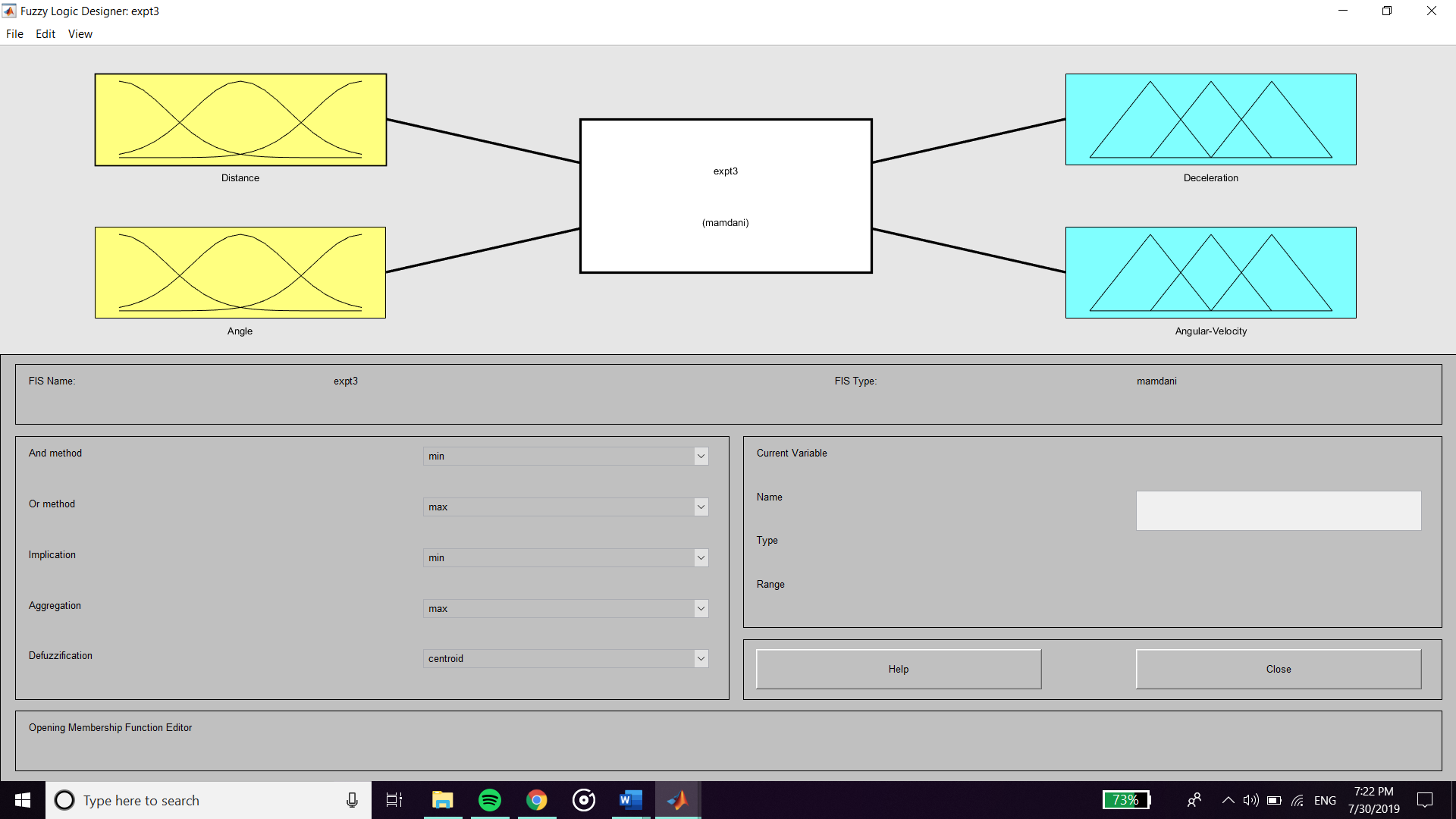
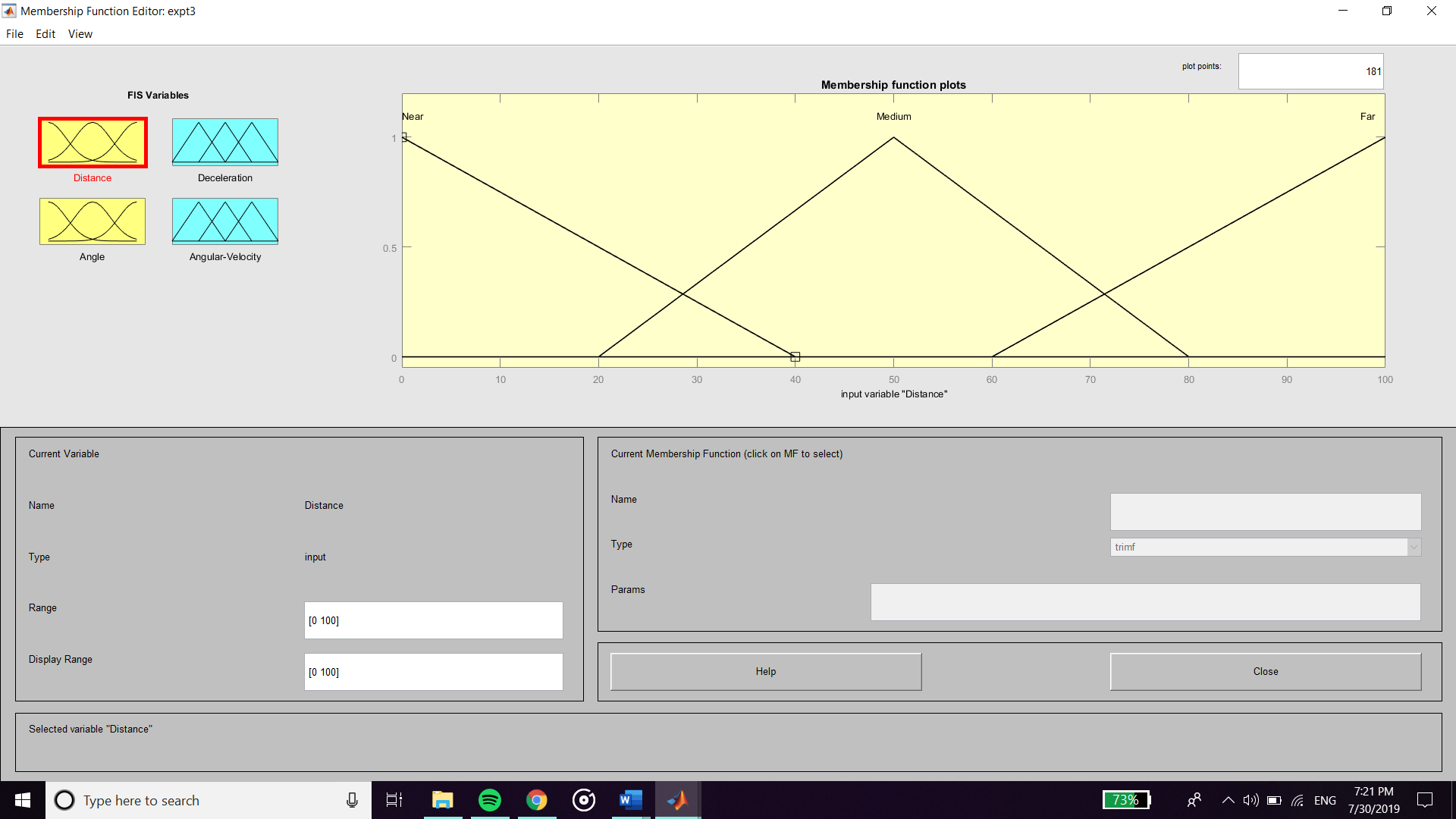
**NNFL EXPT-4B**

**Fuzzy Controller for Avoiding obstacles**

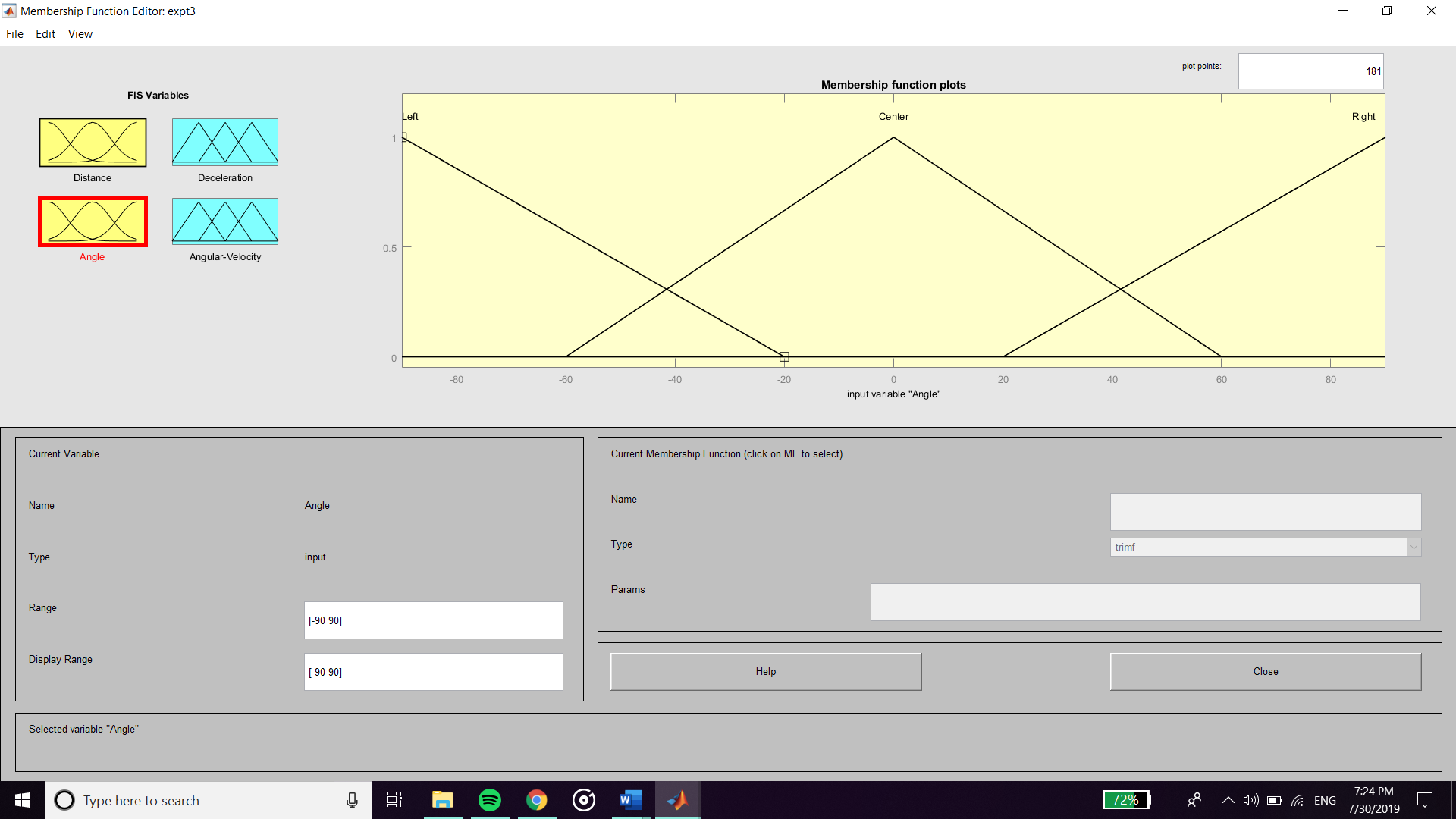


**Inputs :**

**Membership Function of Distance from obstacle**

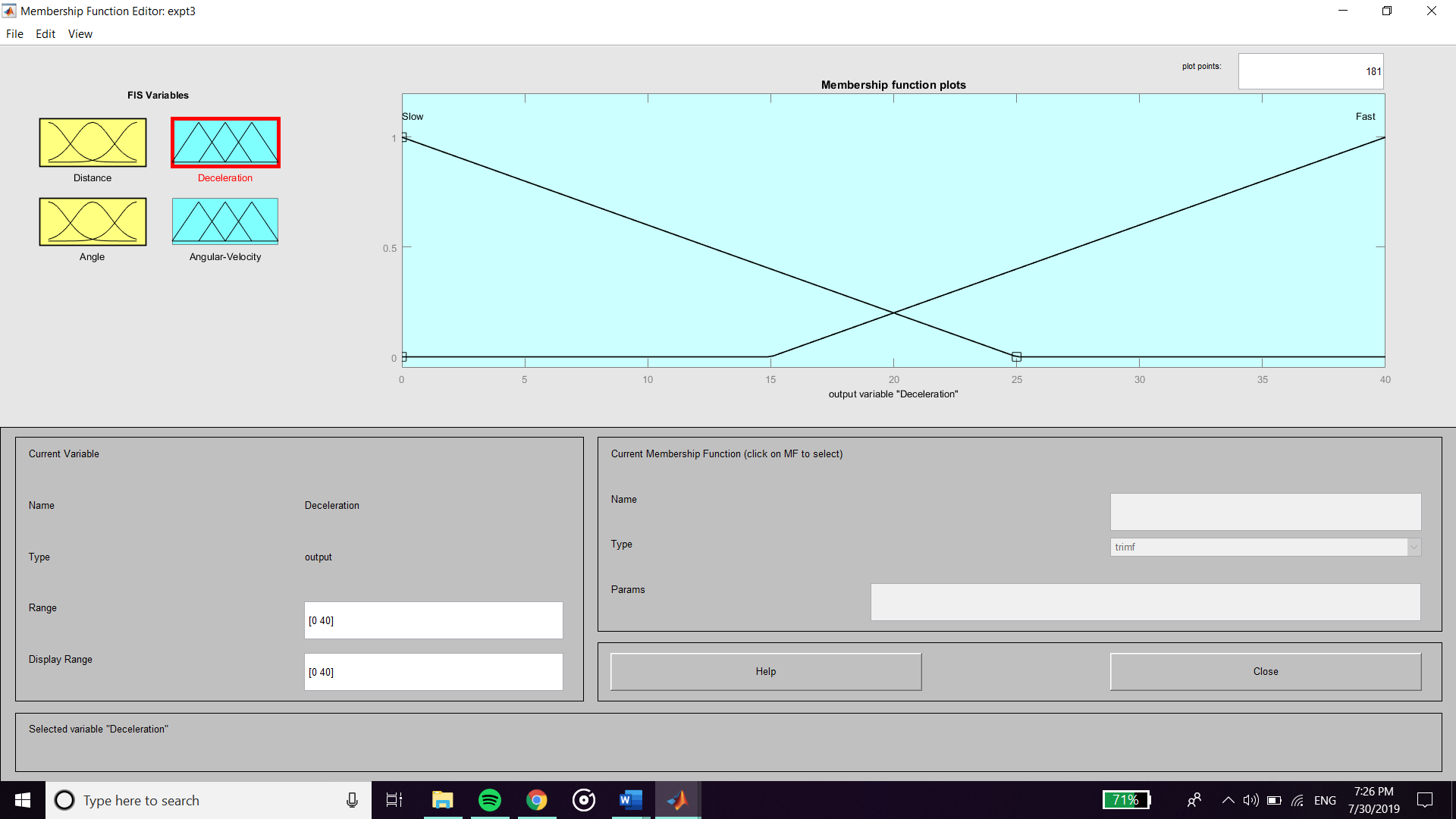


**Membership Function of Sensor angle**

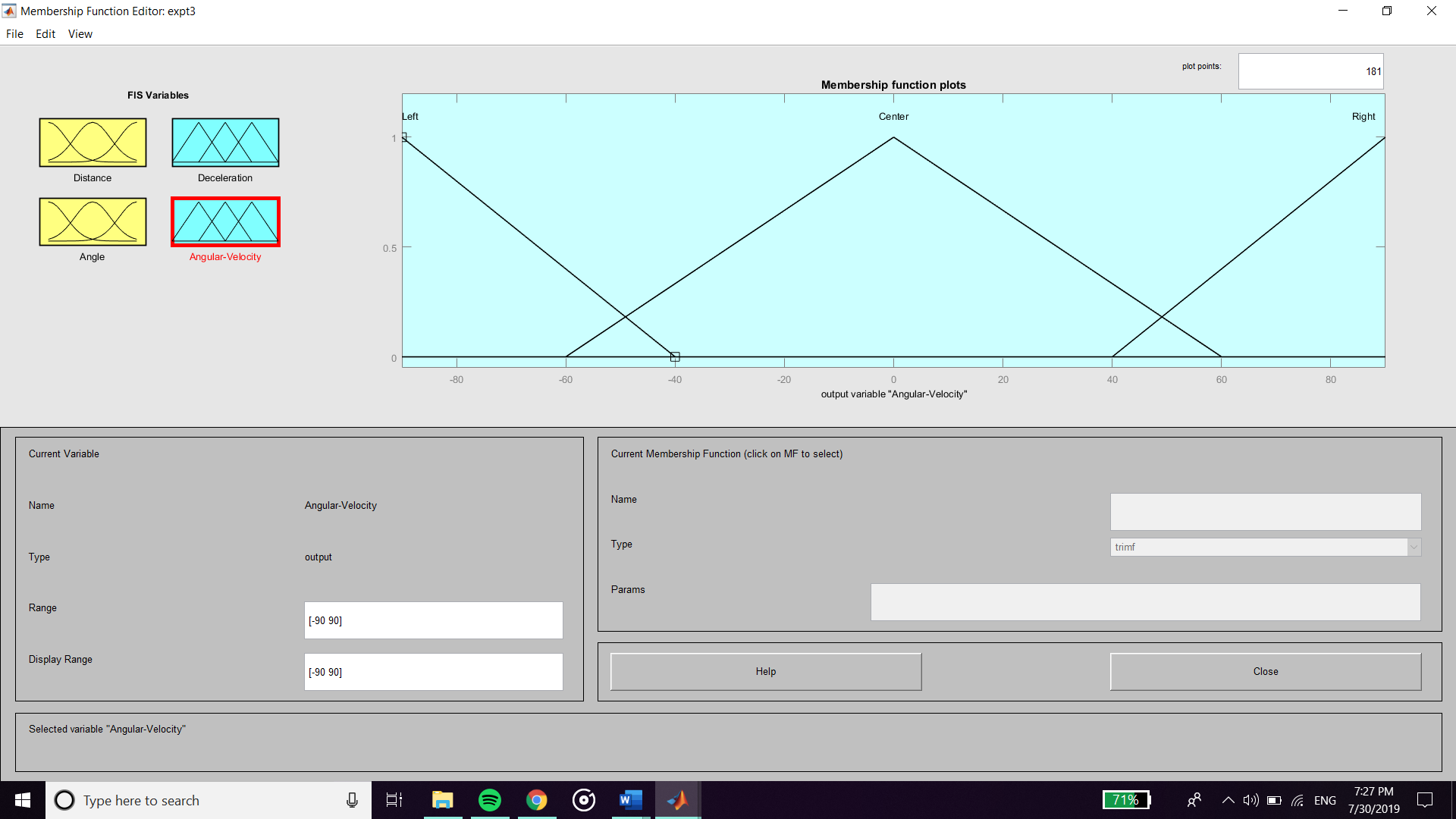


**Output :**

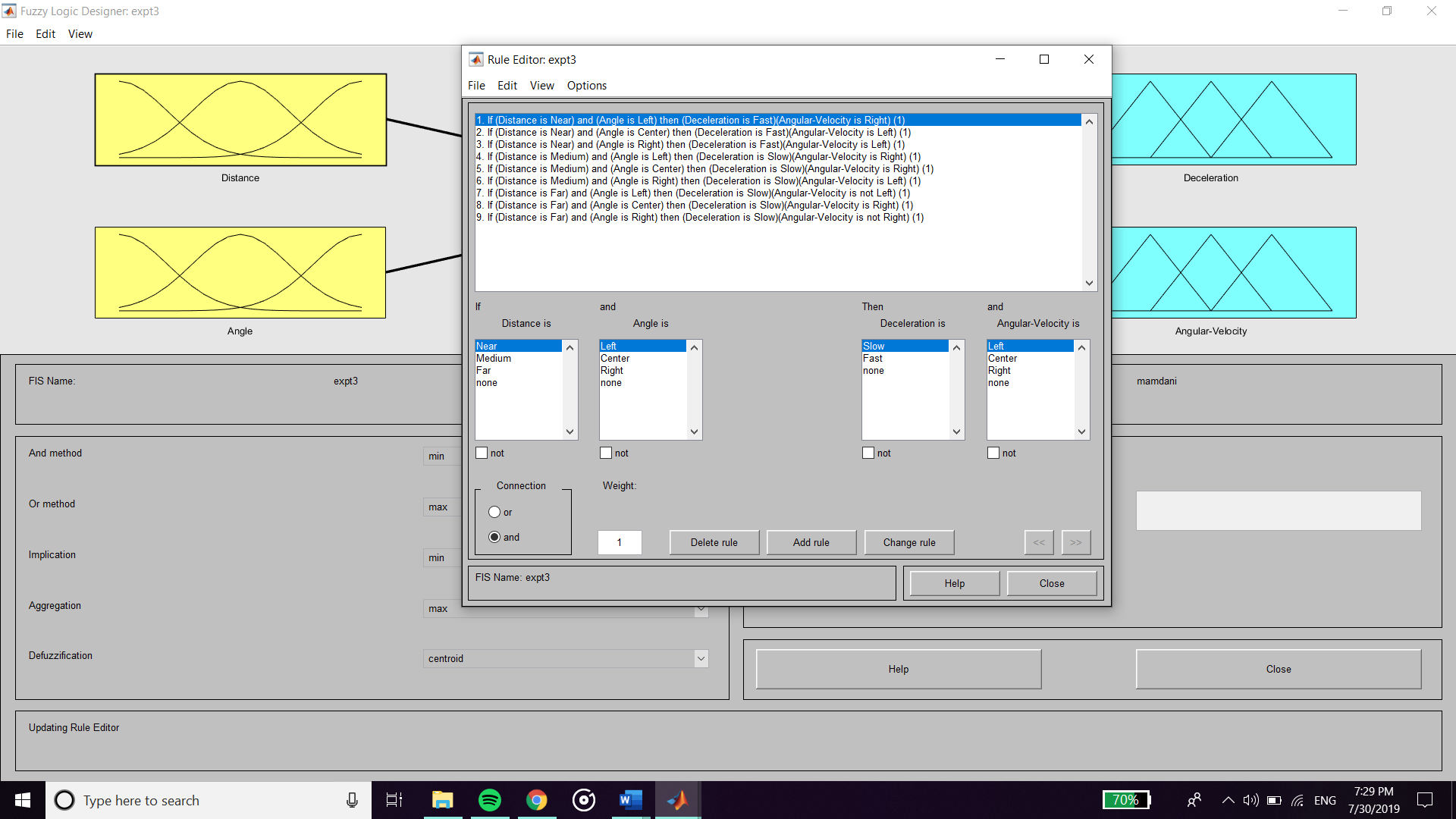
**Membership Function of Deceleration**



**Membership Function of Angular Velocity**

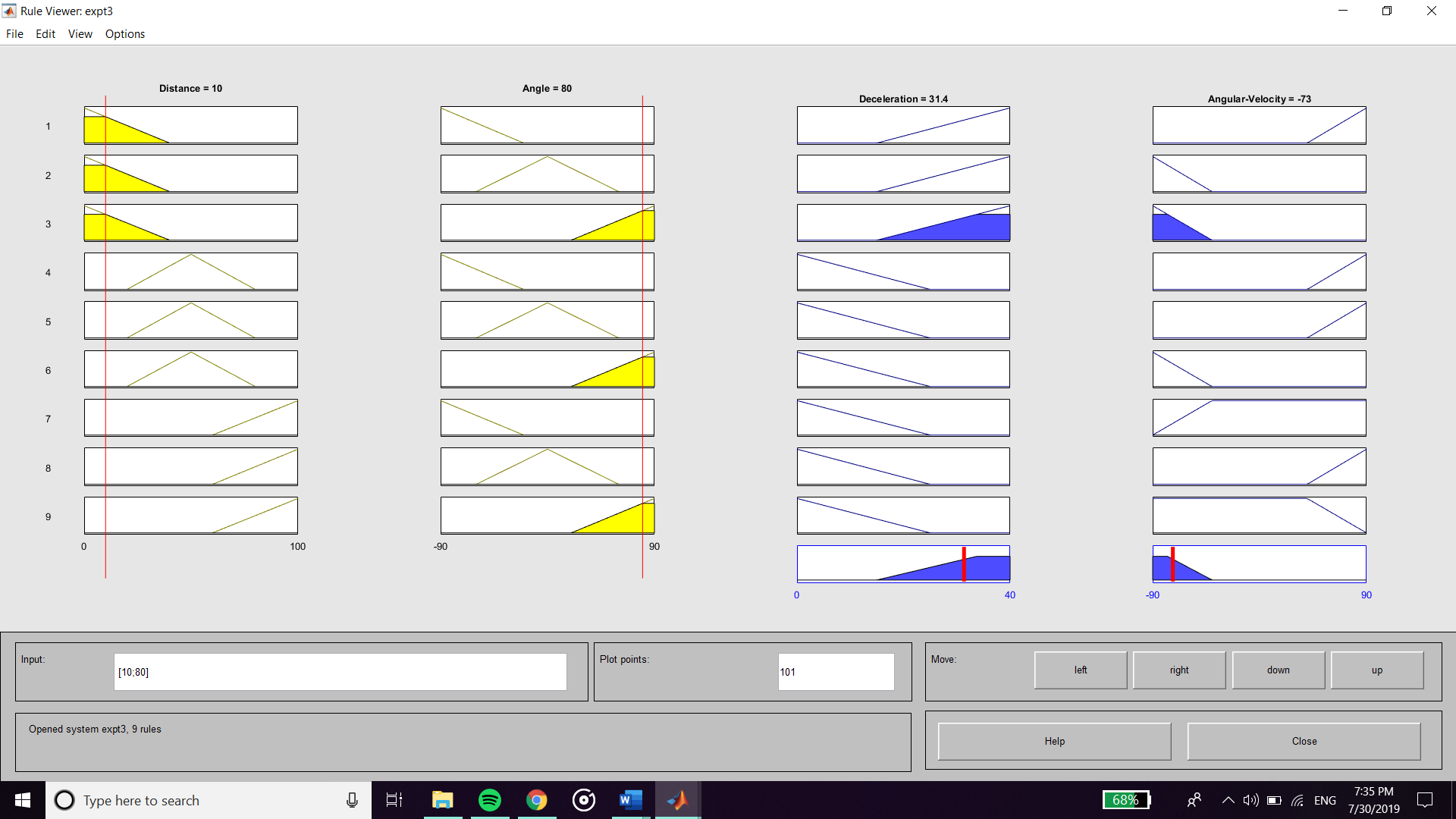


**Rules**

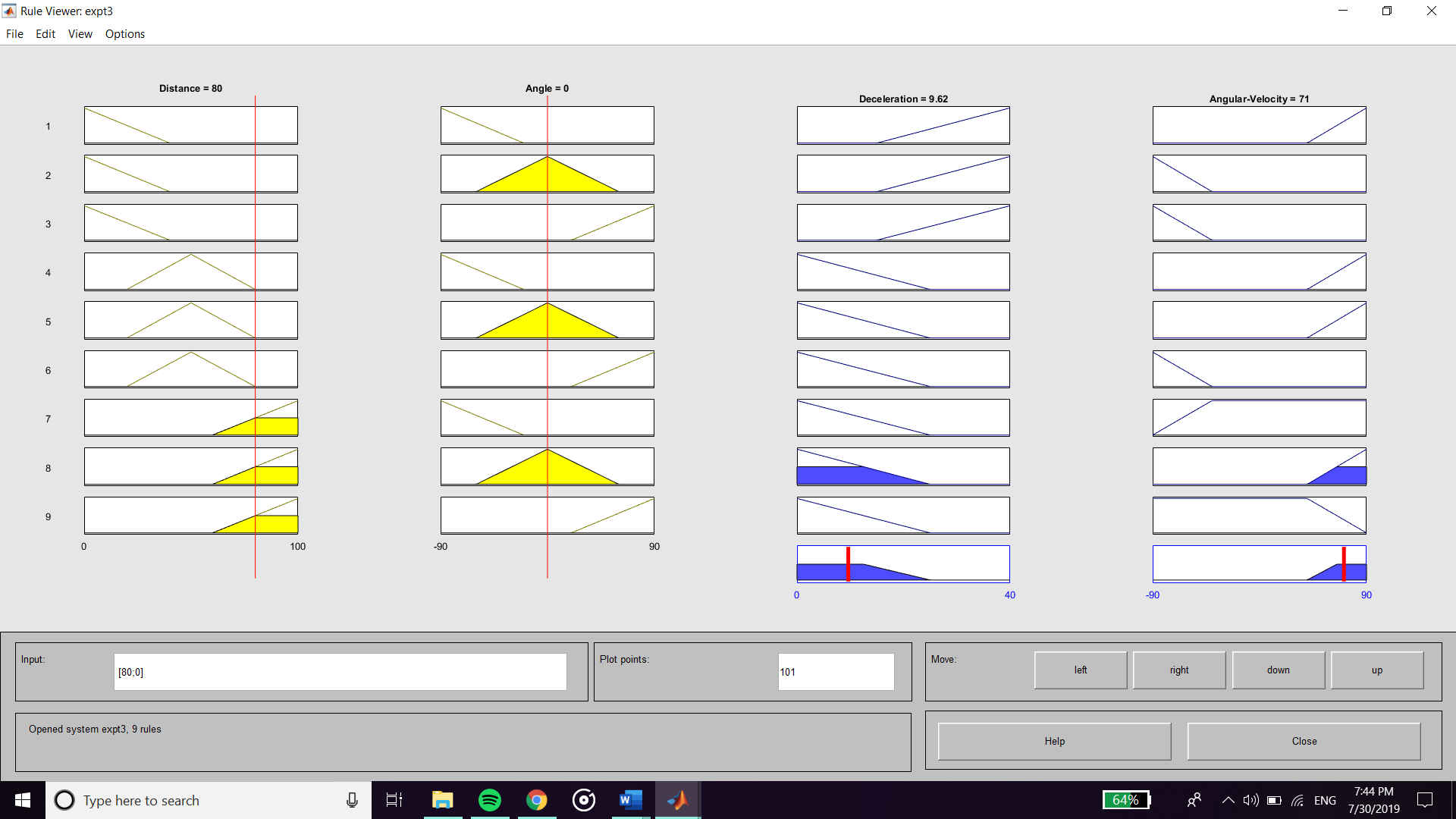


**Output :**

**For Near obstacle and sensed at Right side of the vehicle**

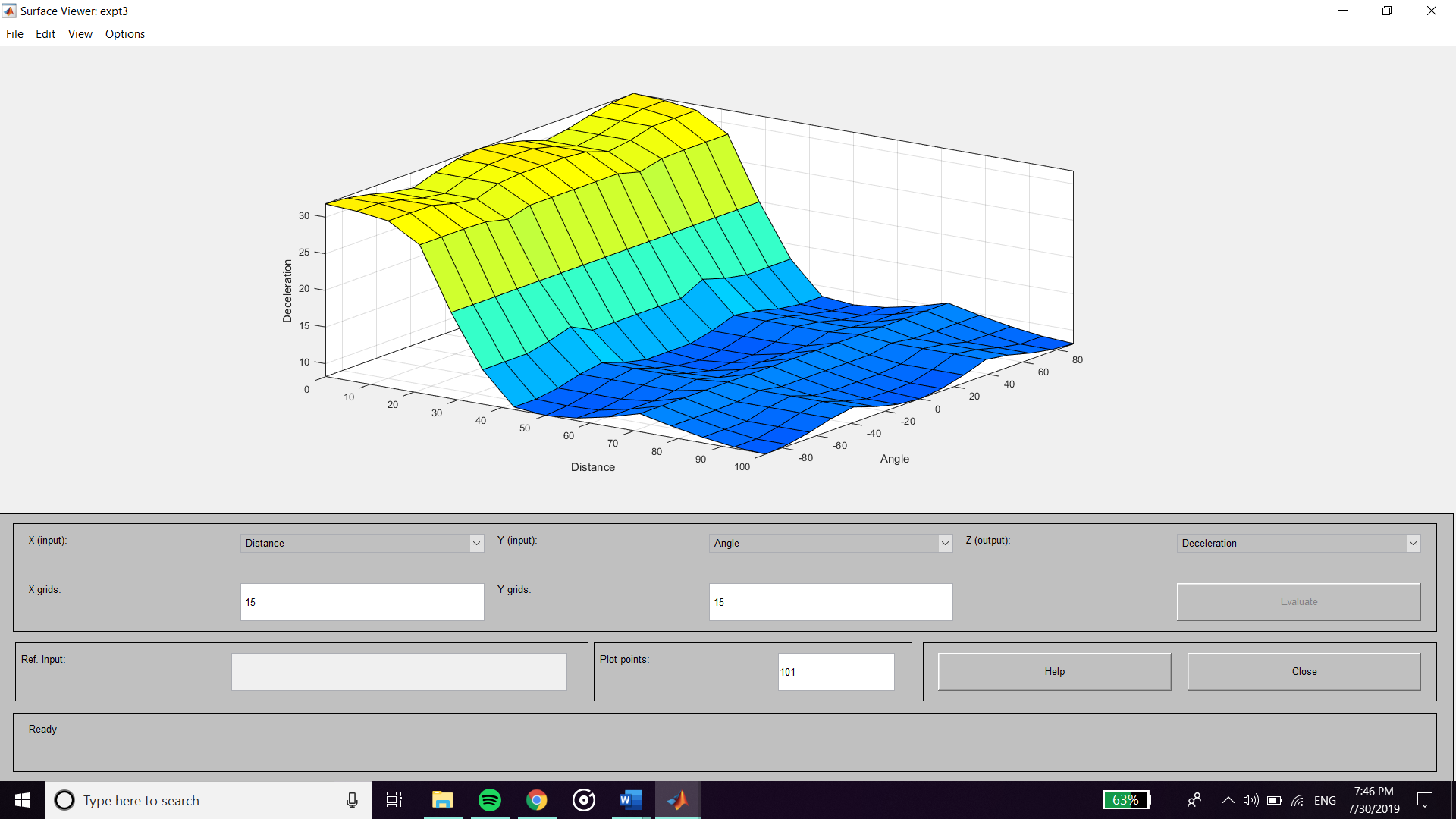


**For Far obstacle and sensed at Center of the vehicle**



**Surface Viewer**

**Surface for Deceleration**



**Surface for Angular Velocity**

