

CSCI2412

Lab 7 – Fuzzy Logic

Using Matlab, check the Demos - Fuzzy toolbox and identify elements of this technique as seen in the lectures:

Mainly check:

- The Membership Functions
- The Defuzzification Methods
- An application

Then use the demo: **Ball Juggler**

Test the demo both using the fuzzy logic system and the human (manually controlled by you) interface. As said in lectures, to be able to program a Fuzzy Logic controller you need to **know how control the system yourself**.

→ Describe in your **portfolio** the variables and rules you would use to control the system using fuzzy logic.

→ Record your conclusions in your **portfolio**.

MAG