

Fuzzy Modelling

Issues

1. Draw the subnormal fuzzy set.
2. Draw the normal fuzzy set.
3. Draw the complement of a fuzzy set.
4. Analyse the trapezoidal membership function and write the core.
5. Analyse the triangular membership function and write the support.
6. Analyse the Gaussian membership function and write the α -cut.
7. Write a script to draw the sigmoidal membership functions.
8. Write a script to draw the Gaussian membership functions.
9. Write a script to draw the triangular membership functions.
10. Write a script to draw the minimum product.
11. Write a script to draw the algebraic product.
12. Write a script to draw the probabilistic sum.
13. Write a script to draw the Lukasiewicz sum.
14. Analyse the figure and determine the parameters of the triangular membership functions.
15. Analyse the figure and determine the parameters of the Gaussian membership functions.
16. Analyse the figure and determine the parameters of the trapezoidal membership functions.