Assignment 11

Due on 2020-04-10, 23:59:59.0

1. Write the following expressions to connect 3 fuzzified inputs A, B and C in the universe of discourse 0 to 1. Define the given below

\[
C = \max \{ \min \{ \frac{A}{A}, \frac{B}{B}, \frac{C}{C} \}, \min \{ \frac{A}{A}, \frac{B}{B}, \frac{C}{C} \}, \min \{ \frac{A}{A}, \frac{B}{B}, \frac{C}{C} \} \}
\]

No points to be gained.

2. Which of the following expressions represents a compositional linguistic term?

- Young
- Very tall
- Good but not the young
- Not very tall

No points to be gained.

3. Define A and B as the two inputs the fuzzy set named by A(X) = (0.1, 0.5, 0.7, 0.1) and B(X) = (0.3, 0.6, 0.8, 0.3)

No points to be gained.

4. Which of the following is correct for a coupled with B using algebraic product in term consequent?

\[
\sum (\frac{A}{A} \times \frac{B}{B}) = 0.1 \times 0.6 + 0.5 \times 0.8
\]

No points to be gained.

5. Which of the following is correct for G1?

- G1 is a square root
- G1 is a linguistic term
- None of the above

No points to be gained.

6. Which of the following is correct for a coupled with B using algebraic product in term consequent?

\[
\sum (\frac{A}{A} \times \frac{B}{B}) = 0.1 \times 0.6 + 0.5 \times 0.8
\]

No points to be gained.