WID3007 2018/2019

Tutorial 2

Fuzzy sets A, B and C defined on the interval X=[0,10] of real numbers by the membership functions:







1. Find A’, B’ and C’
2. Find A ∪ B and B ∪ C
3. Find A ∩ B and B ∩ C
4. Find A ∪ B ∪ C
5. Find A ∩ B ∩ C
6. Find A ∩ C’ and (B ∩ C)’

Note: Use standard complement, union and complement for the above operations.

1. Find A ∩ B and A ∪ B if algebraic product is the t-norm and bounded sum is the t-conorm.
2. Find 0.5A, 0.5B and 0.5C 9. Find 0.5+A, 0.5+B and 0.5+C
3. Find supp(A), supp(B) and supp(C)
4. Identify whether A, B and C are normal fuzzy sets.



