Announcements

Course outline

The special topic offered this semester is **fuzzy set theory**. Further description on the course can be viewed in the following PDF file. For your information, the **Friday class will be combined with Monday class (2-4 PM) starting on the third week at Room 106.**

Have a great semester.

Suggestion for assignment concept

This poll is intended to collect suggestions from student on how the assignment should be conducted. But bear in mind that the final decision will be made by the instructor according to the situation.

9 September - 15 September

No assessment for reading the reviews. Just to give some insights on fuzzy set theory.

Review on fuzzy set theory 1.

Review on fuzzy set theory 2.

Lecture 1 - Intro and Motivation

16 September - 22 September

Lecture 2 notes

Class material

This is the table that we used today to find support, alpha-cut, strong alpha cut during the class today.

Lecture 3 notes

Lecture 3 material (Axioms)

23 September - 29 September

Lecture 4 notes

Group for assignment and presentation

Lecture 5 notes

Tutorial 1

30 September - 6 October

Different type of fuzzy sets

For Wednesday class, we will cover on the Extension Principle that will be used to extend operations in fuzzy 'type-1' to fuzzy type-2. For preclass study, you can check on Section 5.1 and 5.2 in the book.

7 October - 13 October

- Assignment 1
- Operations for type-2 fuzzy sets

Assigment 2 (Major): Reading material

- Tutorial 3

14 October - 20 October

- Lecture Note: Fuzzy Relations on Sets and Fuzzy Sets

21 October - 27 October

28 October - 3 November

4 November - 10 November

- Lecture Notes

1. Algebraic operation for type 2
2. Special extended operation
3. Operation for L-R fuzzy number

11 November - 17 November

18 November - 24 November

- Lecture Notes: Composition of fuzzy relations and Properties of min-max composition
- Lecture Notes: Fuzzy graphs

25 November - 1 December

- Lecture notes: Special fuzzy relation
- Fuzzy graphs
- Test 2 Attendance

2 December - 8 December

9 December - 15 December

- Fuzzy functions

16 December - 22 December

Course Checks

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