

Lecture Notes: Set Operations

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1 Overview

Key Points

- Set Operations

2 Detailed Notes

2.1 Set Operations

2.2 Subtopic 2

Your notes for subtopic 2

3 Important Formulas/Theorems/Definitions

Key Formula/Theorem

- Union: If A B are sets then their union $A \cup B$ is a set defined by

$$A \cup B = \{x : x \in A \text{ or } x \in B\} \quad (1)$$

4 Examples

- $A = \{1, 2, 4, 8\} = \{x : x = 2^i; i = 0, 1, 2, 3\}$

5 Questions/Topics for Further Study

- Question or topic for further study