Discrete Mathematics Notebook

作家: Anrich Tait

Contents

Abstract

My Discrete Mathematics self-study notes and excercises.

Chapter 1

Sets, Sequences and functions

1.1   Some Special Sets

Set theory is used as the underlying basis for Mathematics. Set theory defines a "set" as collection of objects. Sets are denoted using capital letters such as A, B, S or X.

An object that belongs to a set is a called a member/element of that set. For example if 'a' is an object and A is a set we can denote it by writing:

This is a test line $\frac{x}{y}$

Chapter 2

Math in latex cheat reference

$A \cup B$

$A \cap B$

$A \backslash B$

$A \triangle B$

$x \in S$

$x \notin S$

$S \subseteq T$

$S \nsubseteq T$

$|s|$

$\wp(S)$

$\emptyset$

$\mathbb{N}$

$\mathbb{Z}$

$\mathbb{R}$

$\aleph_0$

$\frac{1}{2}$

$\sqrt{x}$

x^y

$\sum$

Σ

$\geq$

∞

$\leq$

π

$\emptyset$

$\oplus$

$\rightarrow$

$\int$

$\approx$

$\neq$

1. This is item one

2. This is item two

3. aa

4. aa

5. zz