

Abstract Interpretation

Yi-Nung Tsao

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1 Introduction

This is the introduction to my lecture notes.

1.1 Background

Some background information goes here.

Theorem 1.1. *For all $x \in \mathbb{R}$, we have $x^2 \geq 0$.*

Proof. This follows from the fact that any real number multiplied by itself is non-negative. \square

Example 1.2. *Consider $x = -3$. Then $x^2 = 9 > 0$.*

2 Title of Chapter 2

Problem 1 (1). *Text for problem 1 in Chapter 2.*

Solution. Solution for problem 1 in Chapter 2. \square

Problem 2 (2). *Another problem in Chapter 2.*

Solution. Solution for problem 2 in Chapter 2. \square

3 Title of Chapter 3

Problem 3 (1). *Text for problem 1 in Chapter 3.*

Solution. Solution for problem 1 in Chapter 3. \square

Theorem 3.1. *An important theorem for Chapter 3.*

Proof. The proof of the important theorem.

□

Example 3.2. *An illustrative example for Chapter 3.*