

ENPH 257 LAB REPORT

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Abstract

hello world

Chapter 1

Introduction

1.1 Heat transfer: Conduction, convection, and radiation

1.2 The convection-diffusion equation

Chapter 2

Objective

Chapter 3

Method

3.1 Experimental setup

3.2 Calibration

3.3 Data acquisition

Chapter 4

Results

Chapter 5

Simulation and optimization

- 5.1 One-dimensional explicit-step simulation
- 5.2 Optimization of one-dimensional simulation
- 5.3 High-level simulation

Chapter 6

Analysis

Chapter 7

Conclusion and Summary

Appendix A

Comparison of Finite Differencing Methods

A.1 Explicit method

A.2 Implicit method

A.3 Crank-Nicolson method