



University of Somewhere
Faculty of Engineering

Title of the dissertation

The author's name
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in partial satisfaction of the requirements for the
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Abstract

This is the abstract.

Contents

Abstract	i
Contents	iii
List of figures	v
List of tables	vii
Nomenclature	ix
1 Introduction	1
1.1 Motivation	1
1.2 Objectives	1
1.3 Outline of the thesis	1
2 Methodology	3
2.1 Fundamental equations	3
2.2 Gibberish with blinttext	3
Appendices	7
Appendix A Example of the appendix	9
A.1 Introduction	9
A.1.1 More gibberish	9
Bibliography	13
Acknowledgements	15

List of Figures

List of Tables

Nomenclature

Greek symbols

ρ Fluid density

Roman symbols

R_d Specific gas constant for dry air

p Fluid pressure

t Time coordinate

T Fluid temperature

$\vec{u} = \{u, v, w\}$ Velocity field, vector form and x , y and z component

Chapter 1

Introduction

1.1 Motivation

This is the motivation

1.2 Objectives

The objective of the thesis is ...

1.3 Outline of the thesis

This thesis is divided in two chapters. The first is the introduction and the section an example of the methodology.

Chapter 2

Methodology

In this chapter, the methodology, fundamental equations and mathematical models are presented.

2.1 Fundamental equations

The equation for the conservation of mass is (Schlichting and Gersten, 2000):

$$\frac{\partial \rho}{\partial t} + \nabla \cdot (\rho \vec{u}) = 0, \quad (2.1)$$

with ρ as the fluid density, \vec{u} the velocity vector and $\nabla \cdot ()$ is the divergence operator.

2.2 Gibberish with blinttext

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Appendices

Appendix A

Example of the appendix

A.1 Introduction

Small introduction with another equation:

$$P = \rho R_d T. \tag{A.1}$$

A.1.1 More gibberish

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Bibliography

H. Schlichting and K. Gersten. *Boundary-Layer Theory*. Springer, 8th revised edition, 2000. ISBN 978-3-540-66270-9. Originally published by McGraw Hill, New York.

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