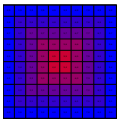

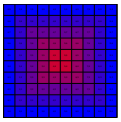

Prof. Dr. Firstname Lastname

Master Thesis

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Autumn Term 2023

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Firstname Lastname

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Declaration of Originality

I hereby declare that the written work I have submitted entitled

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is original work which I alone have authored and which is written in my own words.

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Place and date	Signature

Intellectual Property Agreement

IP rights and settlement of disagreements between the parties are defined in the following sections.

1. Intellectual Property Rights

1. IP rights text

2. Settlement of Disagreements

Should disagreements arise out between the parties, the parties will make an effort to settle them between them in good faith.

Place and date	Signature

Contents

Preface

Why project is important.

Thanks. Thanks people for helping.

Abstract

Abstract content goes here. This is a placeholder for the abstract of the thesis. The abstract should summarize the main contributions and findings of the research, providing a brief overview of the methodology and results. It should be concise and informative, allowing readers to quickly understand the essence of the work without delving into the details of the full document.

Symbols

Symbols

ϕ, θ, ψ	roll, pitch and yaw angle
v_x	velocity along x-axis
v_y	velocity along y-axis
$\dot{\psi}$	yaw angular velocity

Acronyms and Abbreviations

MLP	Multi-Layer Perceptron
CNN	Convolutional Neural Network
AE	AutoEncoder

Chapter 1

Introduction

1.1 Background

Background.

1.2 Related Work

About related work.

1.3 Motivation

About motivation.

1.4 Contributions

Shortly, about contributions.

Chapter 2

Methodology

2.1 Writing text

Text can be written with:

- `typewriter` font
- sans serif font
- *italic* font
- **boldface** font
- *emphasis* font

That is a unnumbered list. You can also write a numbered list:

1. First item
2. Second item
3. Third item

You can also write a description list:

Accumulated input stream Would provide inconsistent ground truth across frames for terrain that is newly explored

Initially mapped out environments This would involve the need for a wide variety of terrains (large datasets available) or a lot of manual work in mapping out terrains.

2.1.1 Introduction

Subsubsection

Paragraph Citations can be made as [1] or Heisenberg [1]. Multiple citations can be made together as [1, 2] Links to webpages as `https://www.google.com` or Google.

Links to figures, tables and sections can be made using fig. 2.1, table 2.1 and section 2.1.1 respectively. You can also refer to equations as eq. (2.1). Table 2.1 can be used at the beginning of a sentence.

Math inline can be written as $x^2 + y^2 = z^2$ or in display mode as

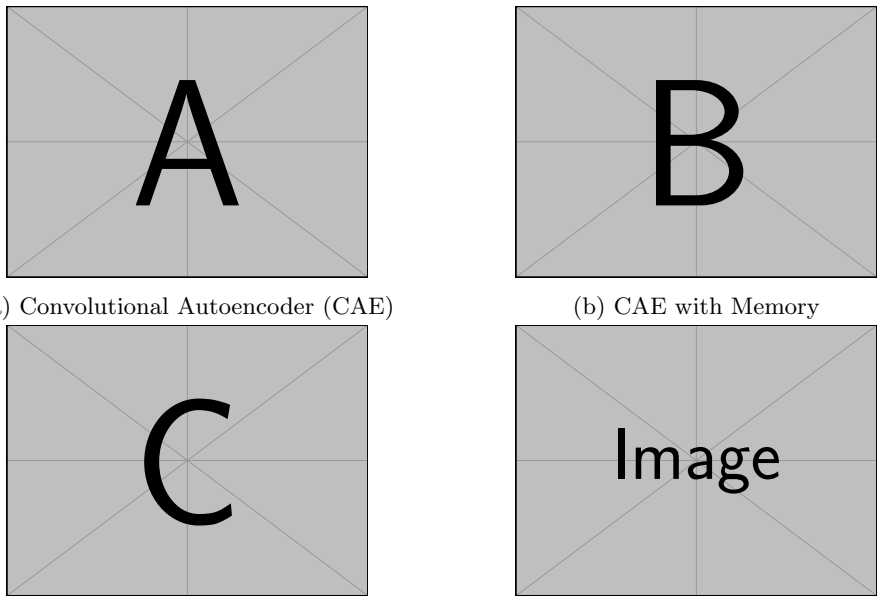
$$x^2 + y^2 = z^2 \tag{2.1}$$

or in a code block as

Terrain Part	**Specification**
Wall	height=3.0 m
Platforms	of heights $\in \{0.0, 0.5, 1.0, 1.5, 2.0\}$
Stairs	within heights $\in \{0.0, 0.5, 1.0, 1.5, 2.0\}$
Ramps	within heights $\in \{0.0, 0.5, 1.0, 1.5, 2.0\}$

Table 2.1: Specifications of terrain parts

```
x^2 + y^2 = z^2
```



(a) Convolutional Autoencoder (CAE)

(b) CAE with Memory

(c) CAE with Transformed Output

(d) CAE with Transformed Latent

Figure 2.1: Network architectures considered

Chapter 3

Experiment

Experiments conducted.

Chapter 4

Results

Results of experiments and discussion.

Chapter 5

Conclusion

5.1 Future Work

Future work.

5.2 Conclusion

Conclude.

Bibliography

[1] W. Heisenberg, "The actual content of quantum theoretical kinematics and mechanics," 1983, online at https://ntrs.nasa.gov/citations/19840008978.

[2] A. Einstein, "Zur elektrodynamik bewegter k
örper," *Annalen der Physik*, vol. 322, no. 10, pp. 891–921, 1905.

Appendix A

Extended Results

Appendix material.