Abstract

The abstract is a short summary of the contents of the report.

Sammendrag

Sammendraget skal gi en kort oppsummering av innholdet i rapporten.

Contents

List of Tables

List of Figures

Chapter 1

Introduction

This introductory chapter will briefly provide context for the material/results presented in this report and give motivation and a description of the problem to be solved. A literature review summarizes existing relevant knowledge, and establishes the foundation of the later control system. The scope of the work is then defined through a list of assumptions. Finally, the contributions of the thesis are defined and elaborated.

1.1   Motivation

What is the motivation for considering the problems/question that you approach in your work? Why is this an interesting problem? The motivation should instead describe why it is interesting from a societal point of view, and/or from a scientific point of view.

Remember to clearly cite what has been done earlier on the topic, to put your work in the correct context: In Yeo (1999) a control law is defined which..., while Fredriksen and Pettersen (2006) considers the particular case of... Figures are referred to as follows: In Fig. 1.1 you see an interesting curve. There is also a table in this sample report: Table 1.1.

1.1.1   A Subsection

1.1.1.1   A Subsubsection

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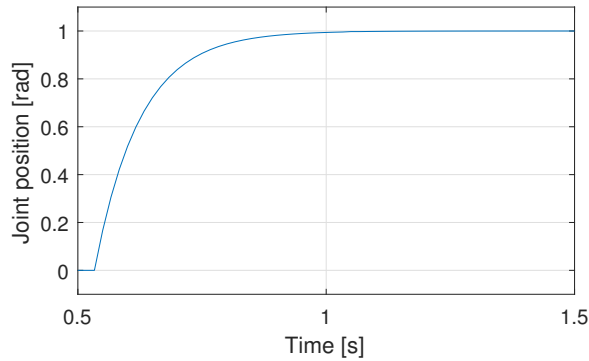

Figure 1.1: The time evolution of the joint angle q

Table 1.1: A table	
Something	Something else
A	a
B	b

1.2 Literature review

1.3 Assumptions

Include this section if it is necessary to state some assumptions that you have made to restrict the scope of the thesis.

1.4 Background and Contributions

Here you describe the main contributions of your project work: What are the new results - the achievements - of your work.

It is important that you here also clearly describe which background material you have received. Which information, software, equipment etc. have been made available for you, or form the basis for your work. Which help and support have you received, and from who, during your work. For instance: The Matlab simulator used in Section 2 was provided to me by PhD candidate NN, and I have adapted this to the problem in this thesis by modifying ....

1.5 Outline

The report is organized as follows. In Chapter 2 a mathematical model is developed to describe the system... In Chapter

Chapter 2

First chapter

This is the first chapter that describes the results of your work, and the contents will depend on the problem description.

Chapter 3

Conclusions and future work

This is a summary of the results of the report, and here you also describe future work (either what you are going to do in your MSc project work, or what you would do if you had 6 more months to work on this topic.)

Appendix A

My Appendix

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References

Fredriksen, E. and Pettersen, K. Y. (2006). Global κ-exponential way-point maneuvering of ships: Theory and experiments, *Automatica* **42**(4): 677 − 687.

Yeo, D. (1999). *Design of AUV Tracking System Using the Sliding Mode Control and The Optimal Control Theory*, PhD thesis, Department of Naval Architecture and Ocean Engineering, Seoul National University, Korea.