Lucerne University of Applied Science & Architecture

Seonsor Fusion on Sounding Rocket

Bachelor Thesis

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Declaration

Hereby, I declare that I have composed the presented paper independently on my own and without any other resources than the ones indicated. All thoughts taken directly or indirectly from sources are properly denoted as such. This paper has neither been previously submitted to another authority nor has it been published yet.

Horw, March 8, 2018

Abstract

That is the Abstract

Contents

Chapter 1

Introduction

[Simon, 2006]

1.1 Bla

About Sensor Fusion and ARIS

1.2 Research

Write about the Papers/book you used: Kalman-filter Optimal state estimation The Master Thesis

1.3 Problem

State the problem, what will be difficult ? For what is it ? where should it be improved

1.4 Requirements

Requirement	Range	Importance	
Precision		High	
Sturdiness	Has to function every time	Critical	
Code Size	max 10 kB	High	
System Load	max 1 ms	Critical	
Non Linearity	As few as possible	Desirable	
Complexity		Medium	
Settling time		High	
Modularity	As Modular as possible	Medium	

Table 1.1: Requirements table

1.5 Desired Solution

Describe in quick terms what you are aiming for.

Chapter 2

Approach

hoho

Chapter 3

Tests

hehe

Chapter 4

Conclusion

4.1 Thanks

Thanks to the Aris Team espacially Thomas and Fabian Also Thanks to Lukas and Jossely

Bibliography

[Simon, 2006] Simon, D. (2006). *Optimal state estimation : Kalman, H∞, and nonlinear approaches.*

Appendices