

Development of a bigger dik

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Bachelor Project







Electronics and IT Aalborg University http://www.aau.dk

STUDENT REPORT

Title:

Project Title

Theme:

Digital Filtering

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**Project Group:** 

ED5-1-E18

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**Abstract:** 

Here is the abstract

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#### **Contents**

Pr	eface		ix
1	Intr	oduction	1
	1.1	Examples	1
	1.2	How Does Sections, Subsections, and Subsections Look?	1
		1.2.1 This is a Subsection	1
2	Prol	olem Analysis	3
	2.1	Problem Description	3
	2.2	Problem Delimitation	3
	2.3	Initiating Problem	3
3	Mat	hematical Analysis	5
	3.1	Geometric Structure	5
4	Dev	relopment	7
	4.1	Component List	7
		4.1.1 Microphones characteristics	7
		4.1.2 Measurements scenarios	7
		4.1.3 Setup	7
	4.2	Analog to digital conversion	7
5	Dire	ectional Noise Elimination	9
6	Del	imitation	11
	6.1	Component List	11
		6.1.1 Microphones characteristics	11
		6.1.2 Measurements scenarios	11
		6.1.3 Setup	11
	6.2	Analog to digital conversion	11
7	Neu	ral Network Speech Isolation	13

vi

8	Com	nparison	15
	8.1	Synthetic Samples	15
	8.2	Recorded Samples	15
	8.3	Live events	15
	8.4	Comparing all three methods and combining them	15
9	Deli	mitation	17
	9.1	Component List	17
		9.1.1 Microphones characteristics	17
		9.1.2 Measurements scenarios	17
		9.1.3 Setup	17
	9.2	Analog to digital conversion	17
10	Deli	mitation	19
	10.1	Component List	19
		10.1.1 Microphones characteristics	19
		10.1.2 Measurements scenarios	19
		10.1.3 Setup	19
	10.2	Analog to digital conversion	19
11	Con	clusion	21
Bił	oliog	raphy	23
A	App	endix A name	25

### **Todo list**

Is it possible to add a subsubparagraph?	2
I think that a summary of this exciting chapter should be added	2

#### **Preface**

Here is the preface. You should	put your signatures at the end of the preface.
	Aalborg University, November 16, 2018
Author 1 <username1@xx.aau.dk></username1@xx.aau.dk>	Author 2 <username2@xx.aau.dk></username2@xx.aau.dk>
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#### Introduction

Here is the introduction. The next chapter is chapter ??. a new paragraph

#### 1.1 Examples

You can also have examples in your document such as in example 1.1.

#### Example 1.1 (An Example of an Example)

Here is an example with some math

$$0 = \exp(i\pi) + 1. \tag{1.1}$$

You can adjust the colour and the line width in the macros.tex file.

#### 1.2 How Does Sections, Subsections, and Subsections Look?

Well, like this

#### 1.2.1 This is a Subsection

and this

#### This is a Subsubsection

and this.

A Paragraph You can also use paragraph titles which look like this.

Is it possible to add a subsubparagraph?

**A Subparagraph** Moreover, you can also use subparagraph titles which look like this. They have a small indentation as opposed to the paragraph titles.

I think that a summary of this exciting chapter should be added.

# **Problem Analysis**

- 2.1 Problem Description
- 2.2 Problem Delimitation
- 2.3 Initiating Problem

# **Mathematical Analysis**

#### 3.1 Geometric Structure

# Development

- 4.1 Component List
- 4.1.1 Microphones characteristics
- 4.1.2 Measurements scenarios
- 4.1.3 Setup
- 4.2 Analog to digital conversion

### **Directional Noise Elimination**

#### **Delimitation**

- 6.1 Component List
- 6.1.1 Microphones characteristics
- 6.1.2 Measurements scenarios
- 6.1.3 Setup
- 6.2 Analog to digital conversion

# **Neural Network Speech Isolation**

### Comparison

- 8.1 Synthetic Samples
- 8.2 Recorded Samples
- 8.3 Live events
- 8.4 Comparing all three methods and combining them

#### **Delimitation**

- 9.1 Component List
- 9.1.1 Microphones characteristics
- 9.1.2 Measurements scenarios
- 9.1.3 Setup
- 9.2 Analog to digital conversion

# **Future Work**

#### Conclusion

In case you have questions, comments, suggestions or have found a bug, please do not hesitate to contact me. You can find my contact details below.

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### **Bibliography**

- [1] Lars Madsen. *Introduktion til LaTeX*. http://www.imf.au.dk/system/latex/bog/. 2010.
- [2] Frank Mittelbach. The LATEX companion. 2. ed. Addison-Wesley, 2005.
- [3] Tobias Oetiker. The Not So Short A Introduction to LaTeX2e. http://tobi.oetiker.ch/lshort/lshort.pdf. 2010.

### Appendix A

# Appendix A name

Here is the first appendix