

**Titel van de thesis verdeeld  
over twee regels.**

**Title of the Thesis Spread  
over Two Lines.**

Author's name

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# Preface

According to the regulations of the Faculty of Engineering of Ghent University, this thesis contains a Dutch summary of about 40 pages, followed by the actual thesis in English (about 200 pages, not counting the bibliography).

We also we would like to explain how we used references in this thesis. Each reference in the text contains two parts: the author(s) and the year of publication. Sometimes, we refer to texts or figures from websites. In that case, the year was replaced by the key “WWW”, because most websites don’t mention the year when the content was published. So, when a reference in this thesis occurs which looks like:

[van der Voort and Strasters, 1995, UltraSharpen, WWW],

it means that we refer to two items: the first item is a paper from van der Voort and Strasters, which was published in the year 1995; the second item was a website, in this case of Ultrasharp, published on the WWW.

When a paper has more than two authors, only the name of the first author is mentioned, followed by “et al.”



# Contents

<b>Samenvatting</b>	<b>1</b>
S.1 Sectie 1 . . . . .	1
S.1.1 Eerste subsectie van de samenvatting . . . . .	1
S.1.2 Nog een subsectie . . . . .	1
S.2 Sectie 2 . . . . .	1
<b>1 First chapter</b>	<b>5</b>
1.1 First section . . . . .	5
1.2 Second section . . . . .	5
<b>2 The second chapter</b>	<b>7</b>
2.1 First section of second chapter . . . . .	7
2.1.1 A subsection . . . . .	7
2.1.1.1 A subsubsection . . . . .	7
2.2 Second section of second chapter . . . . .	7



# Symbols and acronyms used in this thesis

## Symbols

$\lambda_{ex}$	Excitation wavelength
$\lambda_{em}$	Emission wavelength
$N(\dots)$	Noise process

## Acronyms

ADC	Analog to Digital Converter
CCD	Charge-Coupled Device



# Nederlandstalige samenvatting



## **Vertaling van enkele wetenschappelijke termen**

Voorbeeldje van een sectie die niet meetelt in de nummering.

Tabelletje:

acceptance angle	ontvankelijkheidshoek
conjugate gradient	toegevoegde gradiënt

### **S.1 Sectie 1**

Eerste sectie die wel meetelt...

#### **S.1.1 Eerste subsectie van de samenvatting**

tekst en ander vulsel...

#### **S.1.2 Nog een subsectie**

Een referentie naar tekst uit Subsectie S.1.1.

### **S.2 Sectie 2**

Deze Sectie is bedoeld om nog wat vulsel te genereren.



**Title of the Thesis Spread  
over Two Lines (English  
chapters).**



# Chapter 1

## First chapter

*A nice quote to start the first chapter.*  
—from a famous author

### 1.1 First section

Some text, with an itemization

- First item.
- Second item..

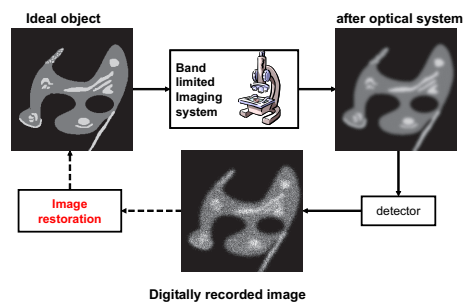


Figure 1.1: A figure.

Here we refer to Figure 1.1.

### 1.2 Second section

In the second section, we refer to something we already said in Section 1.1

Here, we summarize the general structure of the thesis (this template with just two chapters).

Of course, this is already chapter 1.

Next, there is also chapter 2.

# Chapter 2

## The second chapter

*A nice quote to start the second chapter, but we don't know from who the quote is.*

### 2.1 First section of second chapter

Some examples of references:

- a PhD dissertation [van der Voort, 1989];
- published on a website [Hossack, WWW];
- published in a journal [Plášek and Reischig, 1998];
- published in conference proceedings [Castleman et al., 1998];
- a book [Granlund and Knutsson, 1995].

#### 2.1.1 A subsection

Some text, with reference to Figure 2.1.1).

Some text where an index entry has to this point.

##### 2.1.1.1 A subsubsection

A paragraph

### 2.2 Second section of second chapter

We refer here to something we said in Subsubsection 2.1.1.1.

Some text where index entry two has to point to this position.



Figure 2.1: An illustration in Chapter 2.

# Bibliography

- [Castleman et al., 1998] Castleman, K. R., Schulze, M. A., and Wu, Q. (1998). Simplified design of steerable pyramid filters. In *Proc. IEEE ISCAS*.
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- [Hossack, WWW] Hossack, W. (WWW). Digital image analysis and image processing 1. <http://www.ph.ed.ac.uk/~wjh/teaching/dia/index.html>.
- [Plášek and Reischig, 1998] Plášek, J. and Reischig, J. (1998). Transmitted-light microscopy for biology: A physicist's point of view part i. *Proceedings of the Royal Microscopical Society*, 33(2):121–127.
- [van der Voort, 1989] van der Voort, H. (1989). *Three dimensional Image Formation and Processing in Confocal Microscopy*. PhD thesis, University of Amsterdam.

# Index

Text of index entry 1, 7

Text of index entry 2, 7