

# Writing your thesis with LateX

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## **Zusammenfassung**

Hier kommt der deutsche Abstrakt rein...

## **Abstract**

Put your abstract here...

Dedicated to my beloved wife.

## **Acknowledgements**

I would like to acknowledge the thousands of individuals who have coded for open-source projects for free. It is due to their efforts that scientific work with powerful tools is possible.

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# Abbreviations

**ATP** adenosintriphosphat. 1

# 1

## Introduction

### 1.1 put section name here

Write your text without any further commands, like this:.... Any organised system requires energy, be it a machine of some kind or a live organism. Energy is needed to win the uphill battle against entropy and pull together lifeless molecules to be able to do something in this world, like complete a PhD.

#### 1.1.1 Name your subsection

Different organised systems have different energy currencies. The machines that enable us to do science like sizzling electricity but at a controlled voltage<sup>1</sup>. Earth's living beings are no different, except that they have developed another preference. They thrive on various chemicals.

Most organisms use polymers of glucose units for energy storage and differ only slightly in the way they link together monomers to sometimes gigantic macromolecules. Dextran of bacteria is made from long chains of  $\alpha$ -1,6-linked glucose units.

Starch of plants and glycogen of animals consists of  $\alpha$ -1,4-glycosidic glucose polymers [1]. See figure 1.1 for a comparison of glucose polymer structure and chemistry.

Two references can be placed separated by a comma [1, 2].

Insulin stimulates the following processes:

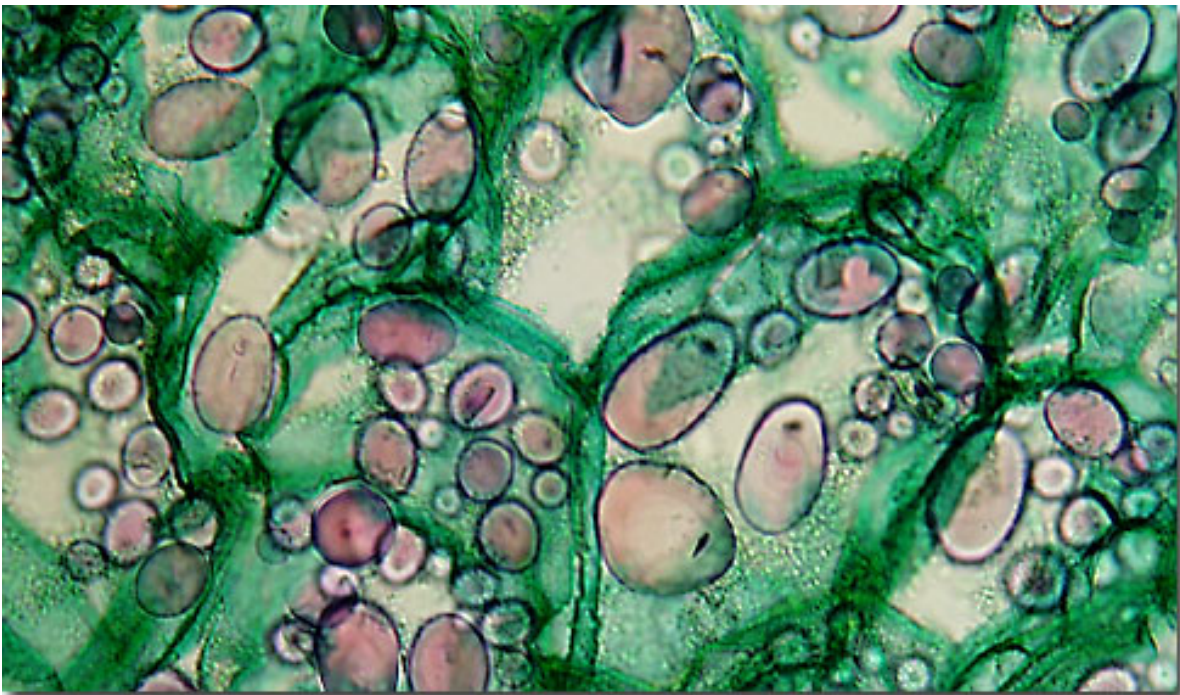
- muscle and fat cells remove glucose from the blood,
- cells breakdown glucose via glycolysis and the citrate cycle, storing its energy in the form of adenosintriphosphat (ATP),
- liver and muscle store glucose as glycogen as a short-term energy reserve,

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<sup>1</sup>Footnote example

1. INTRODUCTION

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**Figure 1.1: A common glucose polymers** - The figure shows starch granules in potato cells, taken from Molecular Expressions.

- adipose tissue stores glucose as fat for long-term energy reserve, and
- cells use glucose for protein synthesis.

Gene	GeneID	Length
human latexin	1234	14.9 kbps
mouse latexin	2345	10.1 kbps
rat latexin	3456	9.6 kbps

**Table 1.1: title of table** - Overview of latexin genes.



## State of the Art

### 2.1 Lorem ipsum

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## 2. STATE OF THE ART

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1. one
2. two
  - (a) two one
  - (b) two two
3. three

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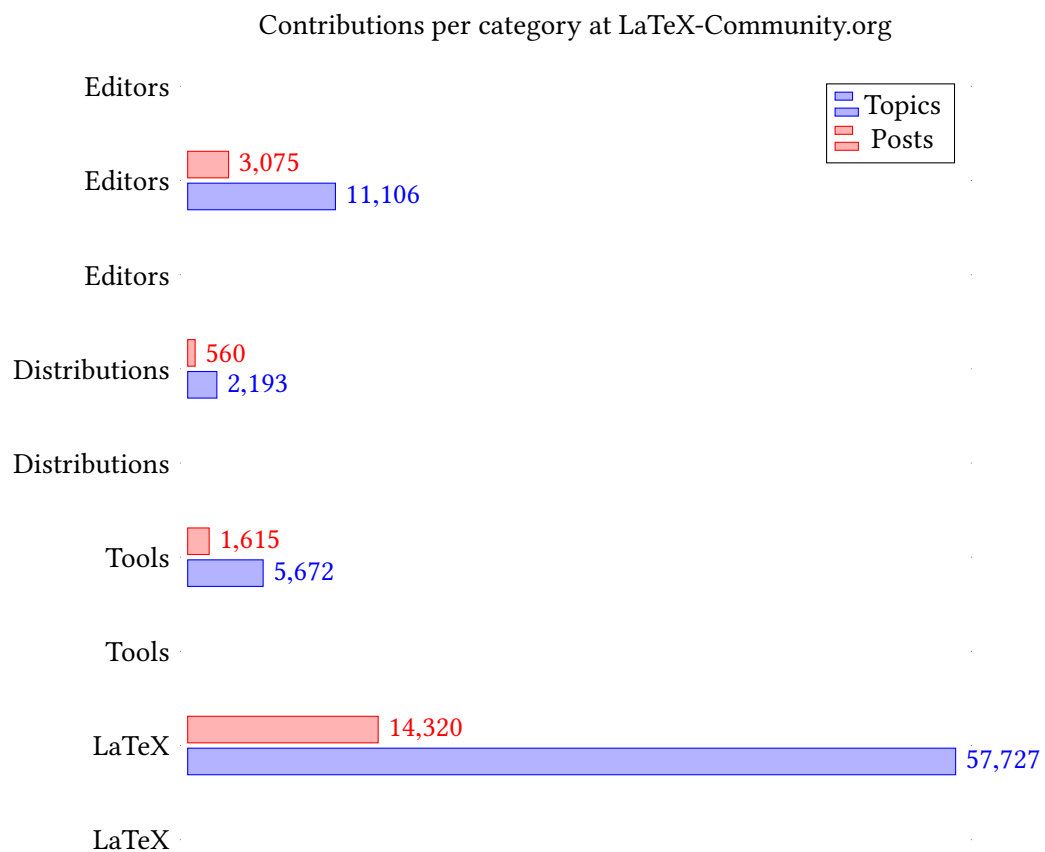
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### 2.2 Preliminary aims

There will be several preliminary scientific targets to be accomplished on the way...

# 3

## Including tikz



**Figure 3.1:** Tikz Example.

# 4

## chapter 4

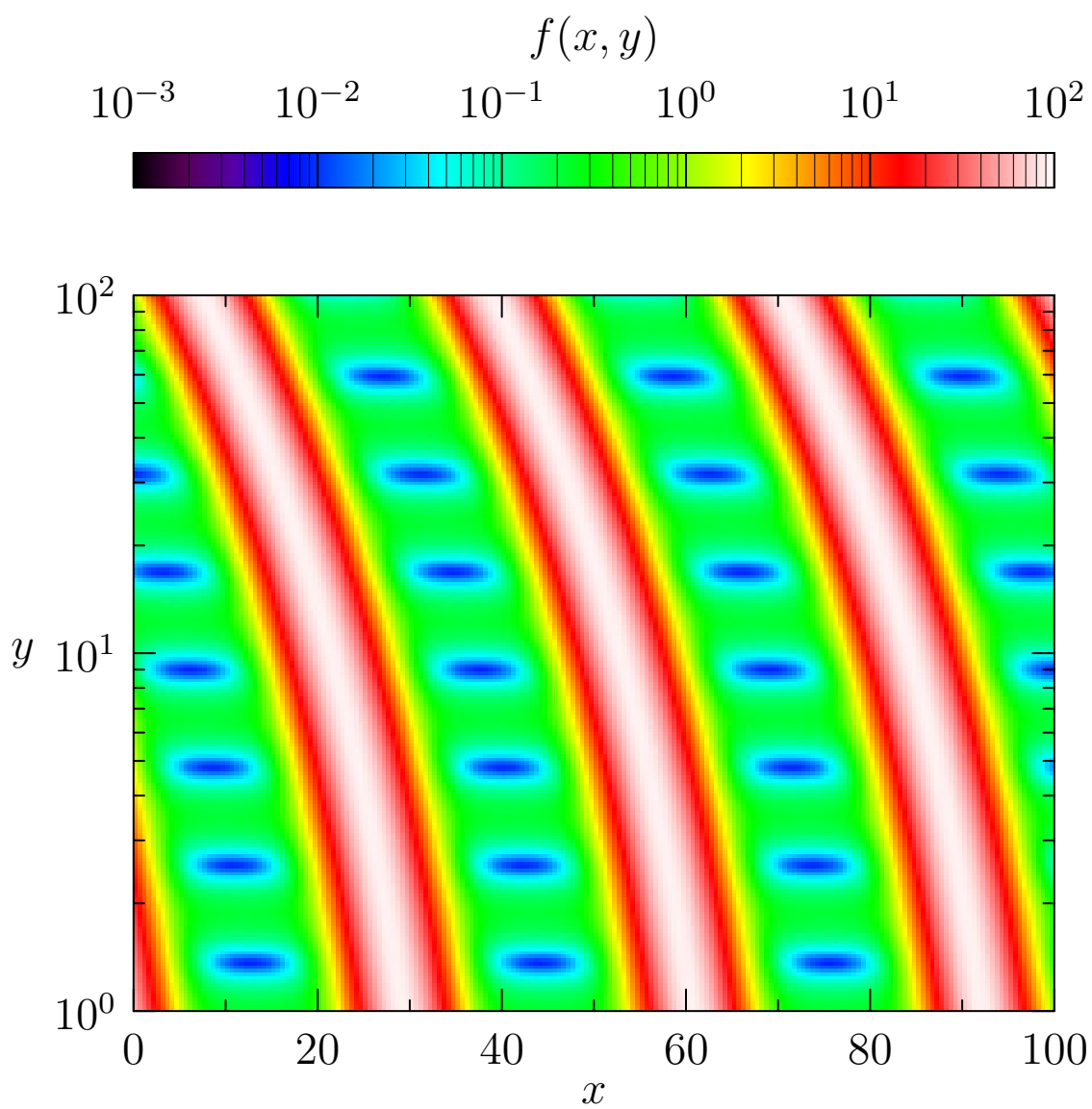
# 5

## chapter 5



# 6

## Asymptote



**Figure 6.1:** Example for plotting with asymptote

# 7

## Discussion

# 8

## Materials and Methods

[2] NAME. **Title**. *Journal of Sth*, 2006.

# References

[1] LASTNAME. **Title**. *Journal of Sth*, 2007.