# Report Title

Your Name here

November 8, 2017

## Contents



# 1 Introduction

This is the first section.

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Etiam lobortisfacilisis sem. Nullam nec mi et neque pharetra sollicitudin. Praesent imperdietmi nec ante. [Alur, 2015] Donec ullamcorper, felis non sodales...

# 2 Second Section

## 2.1 image

As you can see in the figure 1,Lorem ipsum dolor sit amet, consectetuer adipiscing

## 2.2 unordered lists

- The individual entries are indicated with a black dot, a so-called bullet.
- The text in the entries may be of any length.

Figure 1: test

### 2.3 math

$$E = mc^2$$

Subscripts in math mode are written as $a_b$ and superscripts are written as $a^b$. These can be combined an nested to write expressions such as

$$T^{i_1 i_2 \ldots i_p}_{j_1 j_2 \ldots j_q} = T(x^{i_1}, \ldots, x^{i_p}, e_{j_1}, \ldots, e_{j_q})$$

We write integrals using $\int$ and fractions using $\frac{a}{b}$. Limits are placed on integrals using superscripts and subscripts:

$$\int_0^1 \frac{1}{e^x} = \frac{e-1}{e}$$

Lower case Greek letters are written as $\omega$ $\delta$ etc. while upper case Greek letters are written as $\Omega$ $\Delta$.

Mathematical operators are prefixed with a backslash as $\sin(\beta)$, $\cos(\alpha)$, $\log(x)$ etc.

$$E = m \tag{1}$$

### 2.4 tables

| Col1 | Col2 | Col2 | Col3 |
|---|---|---|---|
| 1 | 6 | 87837 | 787 |
| 2 | 7 | 78 | 5415 |
| 3 | 545 | 778 | 7507 |
| 4 | 545 | 18744 | 7560 |
| 5 | 88 | 788 | 6344 |

### 2.5 useful links

Detect hand writing math symbols
http://detexify.kirelabs.org/classify.html
create latex tables online
https://www.tablesgenerator.com

## References

[Alur, 2015] Alur, R. (2015). *Principles of Cyber-Physical Systems.* The MIT Press.