Bachelor Template

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Contents

Chapter 1

Images

1.1 Images with captions

Figure 1.1: Caption under image

Figure 1.2: Caption over image

(a) one picture (b) two picture

Figure 1.3: Two images next to each other

1.2 Image reference

1.1 This is a reference to the 1st pepe picture.
See figure 1.1 on page 3

Chapter 2

Document Sectioning

2.1 Section

2.1.1 Subsection

Paragraph

Subparagraph

Non-numbered section

Chapter 3

Lists

3.1 Bullet points

- One entry in the list
- Another entry in the list

3.2 Alternative bullet symbols

 First item

 Second item

 ...

 Last item

3.3 Enumerated lists

1. One entry in the list
2. Another entry in the list

Chapter 4

Tables

4.1 Table with multiple columns

cell1	cell2	cell3
cell4	cell5	cell6
cell7	cell8	cell9

4.2 Table with description and label

The table 4.1 is an example of referenced LaTeXelements.

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

Table 4.1: Table to test captions and labels

4.1 This is a table ref

Chapter 5

Code

```
package dk.mmmr.math.interfaces;

/**
 * This is a doc comment.
 */
public interface StringSorter {
    String[] sort(String[] arr);
    default void printArray(String[] arr)
    {
        String[] toPrint =  arr;
        for (int i = 0; i < toPrint.length; i++)
            System.out.print(arr[i] + " ");
    }
}
```

Chapter 6

Math

6.1 Inline equations

The well known Pythagorean theorem $x^2 + y^2 = z^2$ was proved to be invalid for other exponents.

6.2 Display equations

Meaning the next equation has no integer solutions:

$$x^n + y^n = z^n$$

6.3 Fractions, summations, products, roots, powers

- Fraction = $\frac{3x}{2}$
- Summation = $\sum_{n=1}^{\infty} 2^{-n} = 1$
- Product = $\prod_{i=a}^{b} f(i)$
- Roots = $\sqrt[34]{test}$
- Powr = $test^2$

Chapter 7

Todo?

TODO
INTERNET LINK

Bibliography

[1] Michel Goossens, Frank Mittelbach, and Alexander Samarin. *The LaTeX Companion*. Addison-Wesley, Reading, Massachusetts, 1993.

[2] Albert Einstein. *Zur Elektrodynamik bewegter Körper*. (German) [*On the electrodynamics of moving bodies*]. Annalen der Physik, 322(10):891–921, 1905.

[3] Knuth: Computers and Typesetting,