

UNIVERSITÀ DEGLI STUDI DI MILANO - BICOCCA
Dipartimento di Informatica, Sistemistica
Comunicazione
Corso di Laurea in Informatica Dipartimento di Informatica, Sistemistica e

Title

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Tesi di Laurea di: Nome Cognome Matricola 000000

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Acronyms

gcd GCDGreatest Common Divisor

Step1: structure of the document

1.1 Introduction

This is the first section.

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1.2 Second Section

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1.2.1 First Subsection

Praesent imperdietmi nec ante. Donec ullamcorper, felis non sodales...

First subsubsection

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First paragraph Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Etiam lobortis facilisissem.

First subparagraph Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Etiam lobortis facilisissem.

Unnumbered Section

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Step2: Text style

2.1 Bold

Example of bold **text**.

2.2 Italic

Example of italic text.

2.3 Underline

Example of underlined $\underline{\text{text}}$.

2.4 mixed

Example of mixed word

2.5 emph

Example of emph word Example of emph word

Elements of the document

3.1 Images



Figure 3.1: Example image

Reference to the image 3.1.

3.2 Tables

Reference to the table 3.1.

3.3 List

Example of an unordered list:

• List entries start with the \item command.

	cell1	cell2	cell3
	cell4	cell5	cell6
ĺ	cell7	cell8	cell9

Table 3.1: Example table

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

Example of an ordered list:

- 1. This is the first entry in our list.
- 2. The list numbers increase with each entry we add.

Example of nested list:

- 1. First level item
- 2. First level item
 - (a) Second level item
 - (b) Second level item
 - i. Third level item
 - ii. Third level item
 - A. Fourth level item
 - B. Fourth level item

3.4 Equations

This is an example of an in-line equation: $E = MC^2$ This is an example of an display mode equation:

$$E = MC^2 (3.1)$$

This is a reference to the Equation 3.1.

3.5 Code Snippet

3.5.1 verbatim

Text enclosed inside $\text{texttt}\{\text{verbatim}\}\$ environment is printed directly and all $\text{LaTeX}\{\}$ commands are ignored.

3.5.2 listings

```
import numpy as np

def incmatrix(genl1,genl2):
    m = len(genl1)
    n = len(genl2)
    M = None #to become the incidence matrix
    VT = np.zeros((n*m,1), int) #dummy variable
    #compute the bitwise xor matrix
```

```
M1 = bitxormatrix(genl1)
M2 = np.triu(bitxormatrix(genl2),1)
for i in range (m-1):
    for j in range (i+1, m):
        [r,c] = np.where(M2 == M1[i,j])
        for k in range(len(r)):
            VT[(i)*n + r[k]] = 1;
            VT[(i)*n + c[k]] = 1;
            VT[(j)*n + r[k]] = 1;
            VT[(j)*n + c[k]] = 1;
            if M is None:
                M = np.copy(VT)
            else:
                M = np.concatenate((M, VT), 1)
            VT = np.zeros((n*m,1), int)
return M
```

3.5.3 algpseudocode

```
\begin{array}{l} i \leftarrow 10 \\ \textbf{if } i \geq 5 \textbf{ then} \\ i \leftarrow i-1 \\ \textbf{else} \\ \textbf{if } i \leq 3 \textbf{ then} \\ i \leftarrow i+2 \\ \textbf{end if} \\ \textbf{end if} \end{array}
```

3.5.4 algorithm

reference to algorithm 1

3.6 href

For further references see Something Linky or go to the next url: http://www.overleaf.com

Algorithm 1 An algorithm with caption

```
Require: n \ge 0
Ensure: y = x^n
y \leftarrow 1
X \leftarrow x
N \leftarrow n
while N \ne 0 do
if N is even then
X \leftarrow X \times X
N \leftarrow \frac{N}{2}
else if N is odd then
y \leftarrow y \times X
N \leftarrow N - 1
end if
end while
```

Positioning and Size

4.1 package adjustbox



4.2 Figure environment



Figure 4.1: h image



Figure 4.2: Top image



Figure 4.3: ! image

Advanced images and table

5.1 Double figures

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(a) Caption1

(b) Caption 2

Figure 5.1: Caption for this figure with two images

Praesent blandit blandit mauris. Praesent lectus tellus, aliquet aliquam, luctus a, egestas a, turpis. Mauris lacinia lorem sit amet ipsum. Nunc quis urna dictum turpis accumsan semper.

5.2 Wrapped images

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Figure 5.2: tion1

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Wrapped Tables 5.2.1

Ciao! knuthwebsite. Questo è il sito di Knuth.

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Table 5.1: A wrapped table going nicely inside the text.

est

laborum.

Header-1	Header-1	Header-1
2	3	5
2	3	5
2	3	5

proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Additional concepts

6.1 Terms

The Latex typesetting markup language is specially suitable for documents that include maths. Formula are rendered properly an easily once one gets used to the commands.

6.2 Acronym

Given a set of numbers, there are elementary methods to compute its GCD (gcd), which is abbreviated gcd. This process is similar to that used for the

Multiple files management

7.1 Multiple file 1

Hello world!



Figure 7.1: U14

Hello, here is some text without a meaning...

7.2 Multiple file 1

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Citations

Let's cite! Einstein's journal paper ${f einstein}$ and Dirac's book ${f dirac}$ are physics-related items.

Appendix A

Appendix

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Appendix B

Appendix-B

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