



Silesian
University
of Technology

MASTER THESIS

Thesis title in English

First Names SURNAME

Student identification number: **<student id>**

Programme: Control, Electronic, and Information Engineering

Specialisation: Informatics

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DEPARTMENT <departament name>

Faculty of Automatic Control, Electronics and Computer Science

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Gliwice 2023

Thesis title

Thesis title in English

Abstract

(Thesis abstract – to be copied into an appropriate field during an electronic submission – in English.)

Key words

(2-5 keywords, separated by commas)

Tytuł pracy

Thesis title in Polish

Streszczenie

(Streszczenie pracy – odpowiednie pole w systemie APD powinno zawierać kopię tego streszczenia.)

Słowa kluczowe

(2-5 słów (fraz) kluczowych, oddzielonych przecinkami)

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Chapter 1

Introduction

Chapter 2

[Chapter title]

References to book [1], scientific papers in journals [2], conference papers [3], and web pages [4].

Equations should be numbered:

$$y = \frac{\partial x}{\partial t} \tag{2.1}$$

body of the definitions

Chapter 3

[Chapter title]

tekst

3.1 [Section title]

3.2 [Subsection title]

Each figure in the document should be referred to at least once (fig. 3.1).

Each table in the document should be referred to at least once (Tab. 3.1).

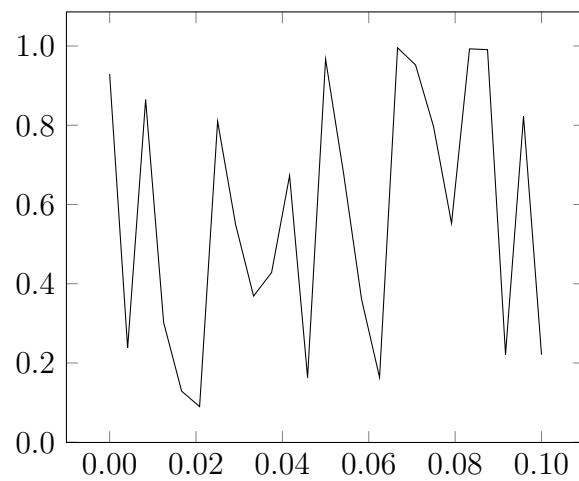


Figure 3.1: Figure caption.

Table 3.1: A caption of a table is ABOVE it.

| ζ | method | | | | | | |
|---------|---------|---------|----------------|--------------|--------------|----------------------|----------------|
| | alg. 1 | alg. 2 | alg. 3 | | | alg. 4, $\gamma = 2$ | |
| | | | $\alpha = 1.5$ | $\alpha = 2$ | $\alpha = 3$ | $\beta = 0.1$ | $\beta = -0.1$ |
| | | | | | | | |
| 0 | 8.3250 | 1.45305 | 7.5791 | 14.8517 | 20.0028 | 1.16396 | 1.1365 |
| 5 | 0.6111 | 2.27126 | 6.9952 | 13.8560 | 18.6064 | 1.18659 | 1.1630 |
| 10 | 11.6126 | 2.69218 | 6.2520 | 12.5202 | 16.8278 | 1.23180 | 1.2045 |
| 15 | 0.5665 | 2.95046 | 5.7753 | 11.4588 | 15.4837 | 1.25131 | 1.2614 |
| 20 | 15.8728 | 3.07225 | 5.3071 | 10.3935 | 13.8738 | 1.25307 | 1.2217 |
| 25 | 0.9791 | 3.19034 | 5.4575 | 9.9533 | 13.0721 | 1.27104 | 1.2640 |
| 30 | 2.0228 | 3.27474 | 5.7461 | 9.7164 | 12.2637 | 1.33404 | 1.3209 |
| 35 | 13.4210 | 3.36086 | 6.6735 | 10.0442 | 12.0270 | 1.35385 | 1.3059 |
| 40 | 13.2226 | 3.36420 | 7.7248 | 10.4495 | 12.0379 | 1.34919 | 1.2768 |
| 45 | 12.8445 | 3.47436 | 8.5539 | 10.8552 | 12.2773 | 1.42303 | 1.4362 |
| 50 | 12.9245 | 3.58228 | 9.2702 | 11.2183 | 12.3990 | 1.40922 | 1.3724 |

Chapter 4

Experiments

Chapter 5

Summary

- synthetic description of performed work
- conclusions
- future development, potential future research
- Has the objective been reached?

Bibliography

- [1] Name Surname and Name Surname. *Title of a book*. Hong Kong: Publisher, 2017. ISBN: 83-204-3229-9-434.
- [2] Name Surname and Name Surname. ‘Title of an article in a journal’. In: *Journal Title* 157.8 (2016), pp. 1092–1113.
- [3] Name Surname, Name Surname and N. Surname. ‘Title of a conference article’. In: *Conference title*. 2006, pp. 5346–5349.
- [4] Name Surname, Name Surname and N. Surname. *Title of a web page*. 2021. URL: <http://somewhere/on/the/internet.html> (visited on 30/09/2021).

Appendices

Technical documentation

List of abbreviations and symbols

DNA deoxyribonucleic acid

MVC model–view–controller

N cardinality of data set

μ membership function of a fuzzy set

\mathbb{E} set of edges of a graph

\mathcal{L} Laplace transformation

List of additional files in electronic submission (if applicable)

Additional files uploaded to the system include:

- source code of the application,
- test data,
- a video file showing how software or hardware developed for thesis is used,
- etc.

List of Figures

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