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# English Title
（日本語タイトル）

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令和Ｙ年 MM 月 DD 日提出

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# Abstract

Here is abstract.

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# Chapter 1

# Introduction

## 1.1 Background

Background

## 1.2 Purpose and Objective

Purpose and Objective

The contributions of this thesis are as follows:

- Contribution one.
- Contribution two.
- Contribution three.

## 1.3 Construction

The rest of thesis organised as follows: Chapter Y explains ... Chapter Z gives conclusion and future works.

# Chapter 2

# Figure Sample

Figure 2.1.

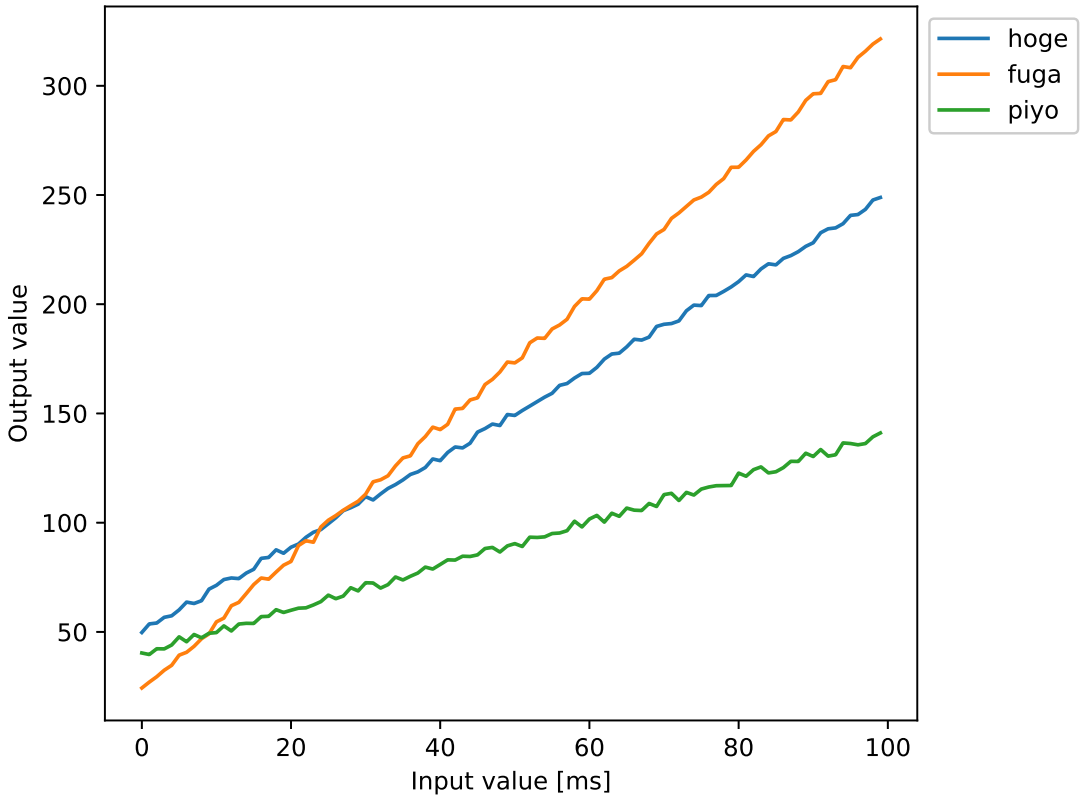


Figure 2.1: Sample of figure.

# Chapter 3

# Table Sample

Table 3.1.

Table 3.1: Comparison of this thesis with existing studies.

| | Hoge | Fuga | Piyo | Neko |
|---|---|---|---|---|
| A method [1] | | ✓ | ✓ | ✓ |
| B method [2] | ✓ | | ✓ | ✓ |
| C method [3] | ✓ | ✓ | | ✓ |
| D method | ✓ | | ✓ | |
| This thesis | ✓ | ✓ | ✓ | ✓ |

# Chapter 4

# Fugafuga

## 4.1 Foofoo

hehehehe

## 4.2 Hyohyo

fufufufufufufu.

# Chapter 5

# Conclusion

## 5.1 Summary

We have ...

## 5.2 Future Works

Future works are as follows: ...

# Acknowledgements

Here is acknowledgements.

# Publications

Refereed papers published in journals or books (first author)

- Hogehoge: ....

Refereed papers published in journals or books (co-author)

- Hogehoge: ....

Refereed papers published in international conference proceedings (first author)

- Hogehoge: ....

Refereed papers published in international conference proceedings (co-author)

- Hogehoge: ....

Refereed papers published in local conference proceedings (first author)

- Hogehoge: ....

Refereed papers published in local conference proceedings (co-author)

- Hogehoge: ....

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[2] Zihang Li, Atsushi Hasegawa, and Takuya Azumi. Autoware_Perf: A tracing and performance analysis framework for ROS 2 applications. *Journal of Systems Architecture*, 123:102341, 2022.

[3] Object Management Group (OMG). Data Distribution Services (DDS) v1.4.

# Appendix A

# Huroku

kokokokoo.

# Appendix B

# MataHuroku

kokokokoko.