



SCHOOL OF COMPUTATION,
INFORMATION AND TECHNOLOGY —
INFORMATICS

TECHNISCHE UNIVERSITÄT MÜNCHEN

Bachelor's Thesis, Master's Thesis, ... in Informatics

Thesis title

Author





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Titel der Abschlussarbeit

Author:	Author
Examiner:	Supervisor
Supervisor:	Advisor
Submission Date:	Submission date



I confirm that this bachelor's thesis, master's thesis, ... is my own work and I have documented all sources and material used.

Munich, Submission date

Author

Acknowledgments

Abstract

Contents

1 Introduction

1.1 Section

Citation test [**latex**].

Acronyms must be added in `main.tex` and are referenced using macros. The first occurrence is automatically replaced with the long version of the acronym, while all subsequent usages use the abbreviation.

E.g. `\ac{TUM}`, `\ac{TUM}` \Rightarrow **TUM!** (**TUM!**), **TUM!**

For more details, see the documentation of the acronym package¹.

1.1.1 Subsection

See `??`, `??`, `??`, `??`.

Table 1.1: An example for a simple table.

A	B	C	D
1	2	1	2
2	3	2	3

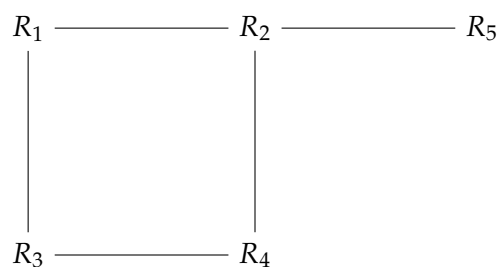


Figure 1.1: An example for a simple drawing.

¹<https://ctan.org/pkg/acronym>

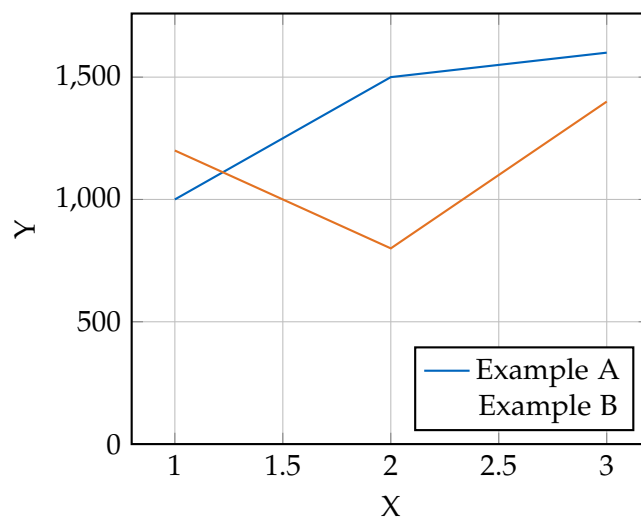
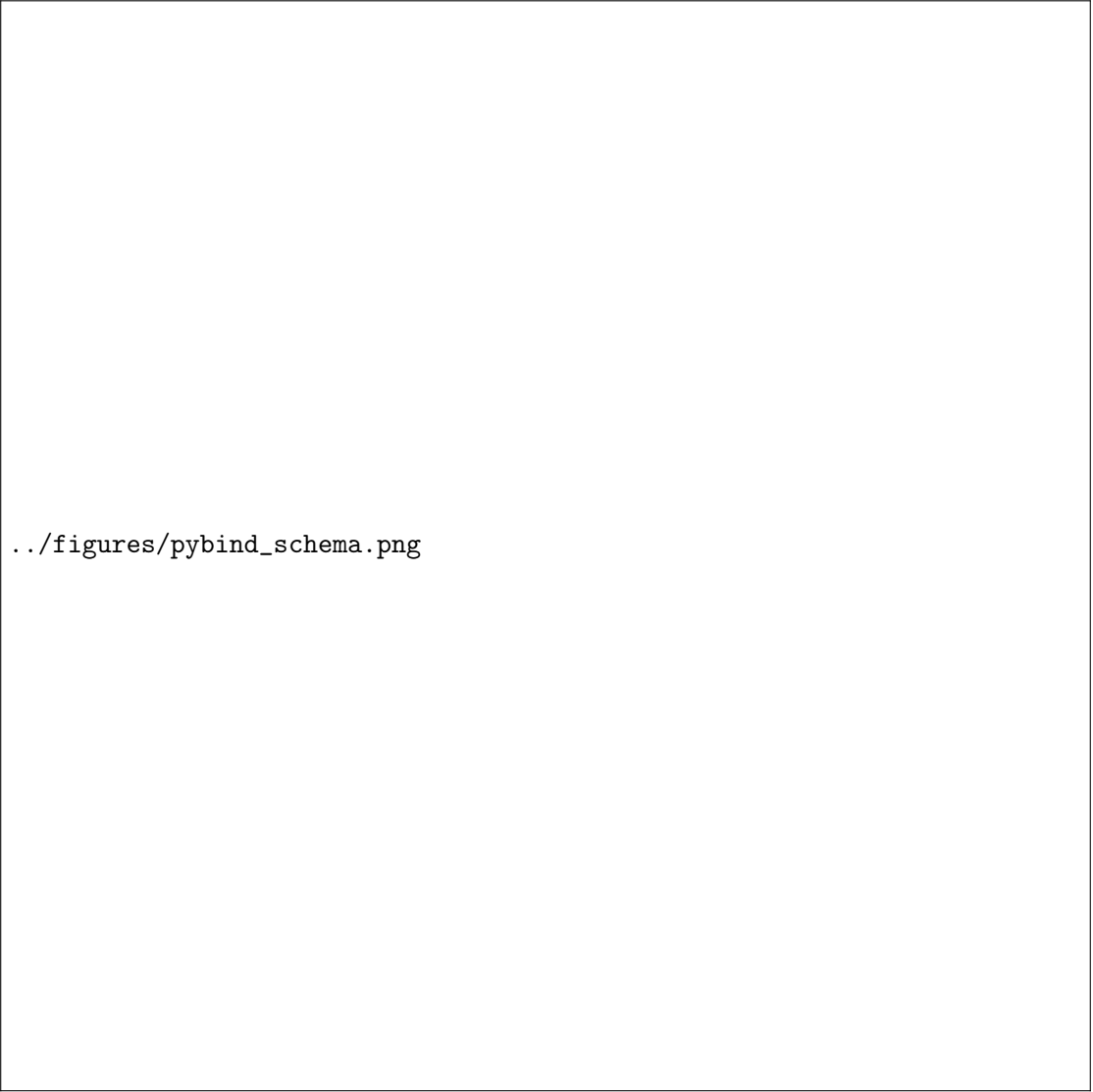


Figure 1.2: An example for a simple plot.

```
SELECT * FROM table WHERE tbl.str = "str"
```

Figure 1.3: An example for a source code listing.



`../figures/pybind_schema.png`

Figure 1.4: An example for a simple image.

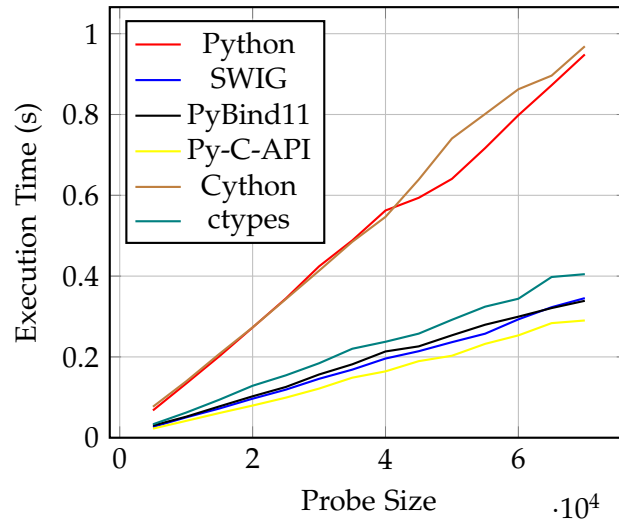


Figure 1.5: Execution time comparison for different Python interoperability methods.

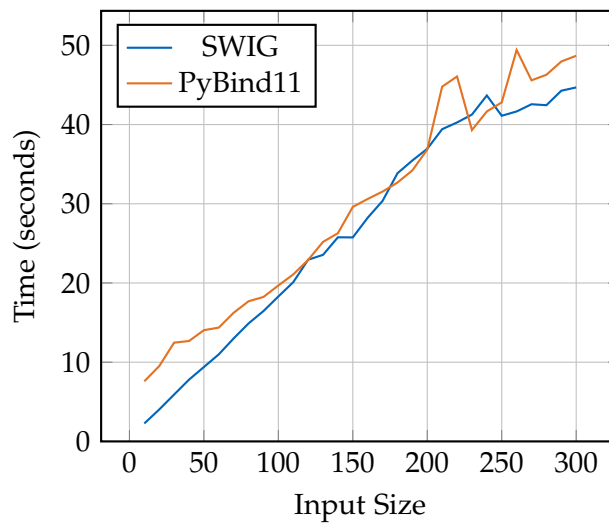


Figure 1.6: Comparison of execution time between SWIG and PyBind11.

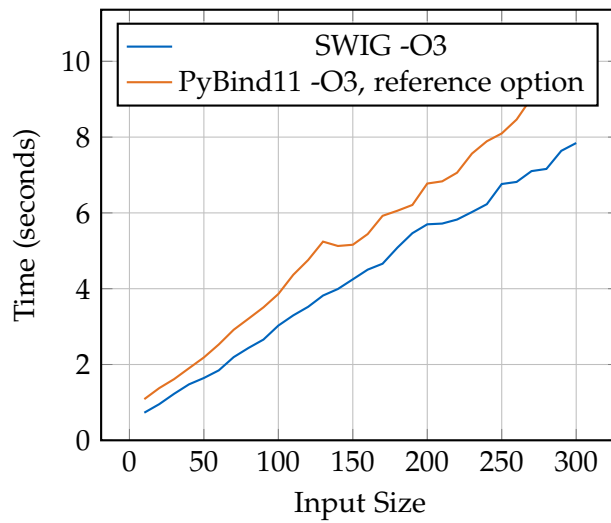


Figure 1.7: A plot comparing the performance of SWIG and PyBind11 with optimization flag -O3.

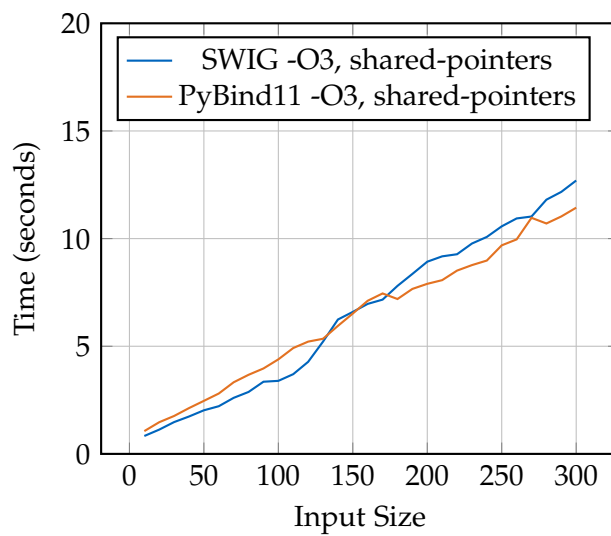


Figure 1.8: A plot comparing the performance of SWIG and PyBind11 with optimization flag -O3 and shared-pointers.

Abbreviations

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