SCHOOL OF COMPUTATION, INFORMATION AND TECHNOLOGY -INFORMATICS

TECHNISCHE UNIVERSITÄT MÜNCHEN

Bachelor's Thesis in Informatics

Tuning Linear Programming Solvers for Query Optimization

Sarra Ben Mohamed

SCHOOL OF COMPUTATION, INFORMATION AND TECHNOLOGY -INFORMATICS

TECHNISCHE UNIVERSITÄT MÜNCHEN

Bachelor's Thesis in Informatics

Tuning Linear Programming Solvers for Query Optimization

Anpassung von Linear Programming Solvern für Anfrageoptimierung

Author: Sarra Ben Mohamed

Supervisor: Prof. Dr. Thomas Neumann

Advisor: Altan Birler Submission Date: 15/10/2023

I confirm that this bachelor's thesis in i documented all sources and material used.	
Munich, 15/10/2023	Sarra Ben Mohamed



Abstract

Contents

A	cknowledgments	iii					
A	Abstract						
1	Introduction 1.1 Section	1 1 1					
Li	ist of Figures	3					
Li	ist of Tables	4					
Bi	ibliography	5					

1 Introduction

1.1 Section

Citation test [Lam94].

1.1.1 Subsection

See Table 1.1, Figure 1.1, Figure 1.2, Figure 1.3.

Table 1.1: An example for a simple table.

A	В	C	D
1	2	1	2
2	3	2	3



Figure 1.1: An example for a simple drawing.



Figure 1.2: An example for a simple plot.

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

Figure 1.3: An example for a source code listing.

List of Figures

1.1	Example drawing
1.2	Example plot
1.3	Example listing

List of Tables

	. 1 . 1 1																		_
1.1	Example table																		1

Bibliography

[Lam94] L. Lamport. *LaTeX : A Documentation Preparation System User's Guide and Reference Manual.* Addison-Wesley Professional, 1994.