

TECHNISCHE UNIVERSITÄT MÜNCHEN

Interdisciplinary Project in Mathematics

# **Random Generation of Tangrams**

Wiebke Köpp





### TECHNISCHE UNIVERSITÄT MÜNCHEN

Interdisciplinary Project in Mathematics

# Random Generation of Tangrams Zufällige Generierung von Tangrams

Author: Wiebke Köpp

Supervisor: Prof. Dr. Jürgen Richter-Gebert Advisor: Dipl.-Inf. Martin von Gagern

Submission Date: April 10, 2015



| I assure the single handed composition o is only supported by declared resources. | f this interdisciplinary project in mathematics |
|---|---|
| M : 1 A :110 0015   | IA7: 1.1 - IZ.:                                 |
| Munich, April 10, 2015  | Wiebke Köpp                                     |
|   |   |
|   |   |



# Kurzfassung

# **Abstract**

# **Contents**

| A  | cknov  | wledgments       | iii |
|----|--------|------------------|-----|
| K  | urzfa  | ssung            | v   |
| A  | bstra  | ct               | vii |
| 1  | Intr   | oduction         | 3   |
|    | 1.1    | Section          | 3   |
|    |        | 1.1.1 Subsection | 3   |
|    | 1.2    | Section          | 3   |
| Li | ist of | Figures          | 5   |
| Li | ist of | Tables           | 7   |

XX

## 1 Introduction

## 1.1 Section

Citation testiing

#### 1.1.1 Subsection

See Figure 1.1.



Figure 1.1: An example for a figure.

## 1.2 Section

See Table 1.1, Figure 1.2, Figure 1.3, Figure 1.4.

Table 1.1: An example for a simple table.

| A | В | C | D |
|---|---|---|---|
| 1 | 2 | 1 | 2 |
| 2 | 3 | 2 | 3 |

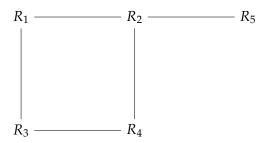


Figure 1.2: An example for a simple drawing.

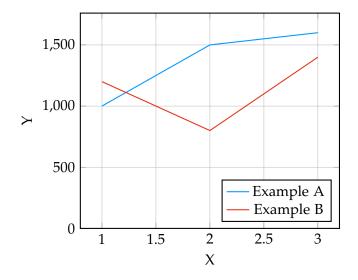


Figure 1.3: An example for a simple plot.

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

Figure 1.4: An example for a source code listing.

# **List of Figures**

| 1.1 | Example figure  | 3 |
|-----|-----------------|---|
| 1.2 | Example drawing | 3 |
| 1.3 | Example plot    | 4 |
|     | Example listing |   |

# **List of Tables**

| 1.1 Example table |
|-------------------|
|-------------------|