



**UNIVERSITÄT
BAYREUTH**

Fakultät Mathematik, Physik, Informatik
Institut für Informatik
Lehrstuhl für Serious Games
Prof. Dr. Jörg Müller

Big Master Project

The Haptic Printer

Author : **Anuj Sharma,**
Akshaya Kumar Krishnappa Ramakrishna
Supervisor : **Viktorija Paneva**

September 27, 2021
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Abstract

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Contents

1	Introduction	1
1.1	Postcards: My Address	2
1.2	Motivation and Problem Statement	2
1.3	Results	3
1.3.1	Some References	3
1.4	Thesis Structure	3
2	Related Work	7
2.1	Related Work Section 1	7
2.2	Related Work Section 2	8
2.3	Related Work Section 3	10
2.4	Conclusion	11
3	System	13
3.1	System Section 1	13
3.2	System Section 2	14
3.3	System Section 3	16
3.4	Conclusion	18
4	Concepts	19
4.1	Concepts Section 1	19
4.2	Concepts Section 2	20
4.3	Concepts Section 3	22
4.4	Conclusion	23
5	Conclusion	25
5.1	System Section 1	25
5.2	System Section 2	26
5.3	Future Work	27
	Bibliography	29

Introduction

” *You can’t do better design with a computer, but you can speed up your work enormously.*

— **Wim Crouwel**

(Graphic designer and typographer)

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This text should contain all letters of the alphabet and it should be written in of the original language. There is no need for special content, but the length of words should match the language.

1.1 Postcards: My Address

Ricardo Langner

Alfred-Schrapel-Str. 7

01307 Dresden

Germany

1.2 Motivation and Problem Statement

And after the second paragraph follows the third paragraph. Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like “Huardest gefburn”? Kjift – not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look. This text should contain all letters of the alphabet and it should be written in of the original language. There is no need for special content, but the length of words should match the language.

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[Jür00; Jür95; Mie11a; KJUM11; App10a; App10b; App10c]

1.3 Results

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1.3.1 Some References

[Fre10; Mie11b]

1.4 Thesis Structure

Chapter 2

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Chapter 3

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Chapter 4

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Chapter 5

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Related Work

“*A picture is worth a thousand words. An interface is worth a thousand pictures.*”

— **Ben Shneiderman**
(Professor for Computer Science)

And after the second paragraph follows the third paragraph. Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like “Huardest gefburn”? Kjift – not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look. This text should contain all letters of the alphabet and it should be written in of the original language. There is no need for special content, but the length of words should match the language.

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2.1 Related Work Section 1

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2.3 Related Work Section 3

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2.4 Conclusion

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System

“*Innovation distinguishes between a leader and a follower.*

— **Steve Jobs**
(CEO Apple Inc.)

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3.1 System Section 1

This is the second paragraph. Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like “Huardest gefburn”? Kjift – not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look. This text should contain all letters of the

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Fig. 3.1: Figure example: (a) example part one, (c) example part two; (c) example part three

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3.2 System Section 2

After this fourth paragraph, we start a new paragraph sequence. Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there

no information? Is there a difference between this text and some nonsense like “Huardest gefburn”? Kjift – not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look. This text should contain all letters of the alphabet and it should be written in of the original language. There is no need for special content, but the length of words should match the language. Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like “Huardest gefburn”? Kjift – not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look. This text should contain all letters of the alphabet and it should be written in of the original language. There is no need for special content, but the length of words should match the language.



Fig. 3.2: Another Figure example: (a) example part one, (c) example part two; (c) example part three

Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like “Huardest gefburn”? Kjift – not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look. This text should contain all letters of the alphabet and it should be written in of the original language. There is no need for special content, but the length of words should match the language. Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like “Huardest gefburn”? Kjift – not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look. This text should contain all letters of the alphabet and it should be written in of the original language. There is no need for special content, but the length of words should match the language.

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3.3 System Section 3

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Concepts

“Users do not care about what is inside the box, as long as the box does what they need done.

— **Jef Raskin**

about Human Computer Interfaces

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5.3 Future Work

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List of Figures

3.1	Figure example: <i>(a)</i> example part one, <i>(c)</i> example part two; <i>(c)</i> example part three	14
3.2	Another Figure example: <i>(a)</i> example part one, <i>(c)</i> example part two; <i>(c)</i> example part three	15

List of Tables

Declaration

You can put your declaration here, to declare that you have completed your work solely and only with the help of the references you mentioned.

Bayreuth, September 27, 2021

The Haptic Printer

