

**A Heuristic Proof on the Non-Deterministic  
Behaviour of the *Little Room*'s Printer**  
*Thesis Proposal for the degree of Ph.D in Printer  
Sciences*



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## **Abstract**

I just wanted to show how easy it is to make an abstract in L<sup>A</sup>T<sub>E</sub>X. You can see how it's done by looking at the code.

The rest of this document will serve as documentation on how to work with this template, but be sure to check the template used to create this document.

# Contents

- 1 Introduction (or Why I Created this Template) 3**
- 2 Quickstart 3**
  - 2.1 Using the template with Overleaf . . . . . 3
  - 2.2 Using the template locally . . . . . 3
  - 2.3 Preamble . . . . . 3

# 1 Introduction (or Why I Created this Template)

This template was born because there's one big problem with  $\text{\LaTeX}$ : it's very difficult to start learning it. But the thing is, it's not because  $\text{\LaTeX}$  is overcomplicated, it's because there's little to no material to learn. This is an ambitious task, because I want you to be able to use this template as-is with minimal  $\text{\LaTeX}$  knowledge, but also give you the tools to learn it and to understand how this template is made. It doesn't matter if you're a beginner or an advanced  $\text{\LaTeX}$  user, this template is aimed at everyone.

## 2 Quickstart

For the ones that want to just use this template and don't care about the details, this is the section you'd want to focus on.

### 2.1 Using the template with Overleaf

- **Step 1:** *Download the repository* as a zip file. Alternatively, you can clone the repository and zip it manually.
- **Step 2:** *In Overleaf, create a new project and import the zip file.* New Project > Upload project.
- **Step 3:** In the *Project Menu* go to **Settings** > **Compiler** and select **XeLaTeX**.

### 2.2 Using the template locally

Coming soon.

### 2.3 Preamble

Every  $\text{\LaTeX}$  document is divided in two sections, which we'll call *preamble* and *content*. In the *preamble* we'll define all the stuff that will be used in the rest of the document (like the needed packages, commands, and configurations). Let's review the first few lines:

```
\documentclass{article}
\usepackage{import} % This will make our life easier
\import{preamble}{Packages}
\import{preamble}{Definitions}
\import{preamble}{config}
```

The first line (`\documentclass{article}`) defines the type of document we're writing, `article` is the most common, but it can also be `book`, `report`, and many others (you can find a complete reference in [1]). Next we have the *imports*, if you're not interested in learning  $\text{\LaTeX}$  and just want to use this template, you can ignore this part. I'll explain the specifics later on this document.

## References

- [1] *CTAN: Class*. URL: <https://ctan.org/topic/class> (visited on 05/02/2022).