
Practical Works

In these lessons, we offer several practical works designed to help students apply the concepts learned throughout the course.

Practical Work 1: First Lesson in $\text{\LaTeX}$

Author: Your Name **Date:** `\today`.

1. What is $\text{\LaTeX}$?

$\text{\LaTeX}$ is a software system for document preparation widely used for high-quality typesetting, particularly in academic and technical fields.

2. Installation Components

$\text{\LaTeX}$ is composed of two main components:

- **Distribution:** A core system containing compilers, packages, and tools (e.g., MiKTeX for Windows, $\text{\TeX Live}$ for Linux/macOS).
- **Editor/IDE:** Software to write and compile $\text{\LaTeX}$ code (e.g., $\text{\TeX studio}$, $\text{\TeX nicCenter}$, or Overleaf for online editing).

3. Simple Application

Write the following code and compile your first $\text{\LaTeX}$ document.

```
\documentclass{article}

\begin{document}
  \title{First Lesson in \LaTeX}
  \maketitle

  Hello Master 1 PDEs and Applications!

\end{document}
```