Latex Cookbook

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Abstract

This is a Latex Cookbook

Keywords: keyword1, keyword2, keyword3

Part I

Latex Tutorial

1 Document Class

1.1 Article

Hello Latexers! This is our first Latex document

PA Hello, LaTeXers! This is our first LaTeX document.

Pa1 This document is our starting point for learning LaTeX and writing with it. It would not be difficult.

可以写中文

1.2 Text

Produce *italicized* text.

Produce **bold face** text.

Produce SMALL CAPS text.

Produce typewriter font text.

Generate $\underline{\text{underlined}}$ text.

1.3 List

- Item 1
- Item 2

排序列表的使用方法为:

- 1. Item 1
- 2. Item 2

阐述性列表的使用方法为:

Item 1

Item 2

1.4 Section

In LaTeX, we can use fbox and parbox to put a box around multiple lines. In this case, we set the linewidth as 0.8.

1.5 Insert Picture

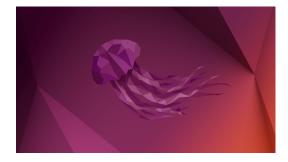


Figure 1: A beautiful butterfly.

1.6 Code

```
import numpy as np

x = np.random.rand(4)
print(x)
```

This is a simple example:

```
Input : \boldsymbol{x}, \boldsymbol{y} \in \mathbb{R}^n
Output: c

1 c = 0;

2 for i = 1 to n do

3  c = c + x_i y_i;

4 end
```

Algorithm 1: Inner product of vectors