Hello LaTeX world

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Abstract

This document is a model and instructions for LaTeX 'article' class.

1 Introduction

Welcome to the LaTeX world.

2 Ease of Use

2.1 Maintaining the Integrity of the Specifications

The 'article' class is used to format your paper and style the text. All margins, column widths, line spaces, and text fonts are prescribed.

3 Styling Guide

3.1 Abbreviations and Acronyms

Define abbreviations and acronyms the first time they are used in the text, even after they have been defined in the abstract.

3.2 Equations

$$\sum_{n=0}^{\infty} \frac{af^n}{n!}(x-a)^n \tag{1}$$

(1) is the famous Taylor series. Use "(1)", not "Eq. (1)" or "equation (1)", except at the beginning of a sentence: "Equation (1) is . . ."

Taylor series in a text would be $\sum_{n=0}^{\infty} \frac{af^n}{n!}(x-a)^n$.

3.3 Lists

Bullet style list.

- item 1
- item 2
- item 3

Number style list.

1. item 1
2. item 2
3. item 3

3.4 Figures and Tables

Positioning Figures and Tables Figure captions should be below the figures; table heads should appear above the tables. Insert figures and tables after they are cited in the text. Use the abbreviation "Fig. 1".

Table 1: Table Type Styles

Table Head	**Table Column Head**		
	Table column subhead	***Subhead***	***Subhead***

Figure 1: Working example

3.5 Algorithms

$i \leftarrow 10$
if $i \geq 5$ **then**
  $i \leftarrow i - 1$
else
  if $i \leq 3$ **then**
    $i \leftarrow i + 2$
  end if
end if

3.6 Source codes

```
public class HelloWorld {
   public static void main(String[] args) {
      System.out.println("Hello, World");
   }
}
```

3.7 References

Please number citations consecutively within brackets [1]. The sentence punctuation follows the bracket [2]. Refer simply to the reference number, as in [3]—do not use "Ref. [3]" or "reference [3]" except at the beginning of a sentence.

References

[1] G. Eason, B. Noble, and I. N. Sneddon, "On certain integrals of Lipschitz-Hankel type involving products of Bessel functions," Phil. Trans. Roy. Soc. London, vol. A247, pp. 529–551, April 1955.

[2] J. Clerk Maxwell, A Treatise on Electricity and Magnetism, 3rd ed., vol. 2. Oxford: Clarendon, 1892, pp.68–73.

[3] I. S. Jacobs and C. P. Bean, "Fine particles, thin films and exchange anisotropy," in Magnetism, vol. III, G. T. Rado and H. Suhl, Eds. New York: Academic, 1963, pp. 271–350