First document

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[1]Tutorial made with overleaf help

Contents

Hello There

First Document. This is a simple example, with no extra parameters or packages included.

Some of the greatest **discoveries** in <u>science</u> were made by ***accident***.

Some of the greatest *discoveries* in science were made by accident.

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Some of the greatest *discoveries* in science were made by accident.

The mountain is immense, and it seems to be homogeneous in a large scale, everywhere we look at.
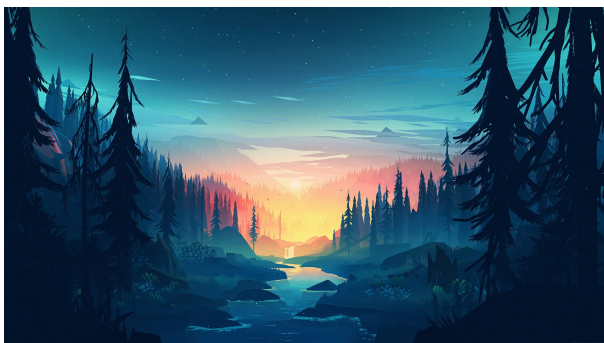
Figure 1: A nice mountain

As you can see in the figure 1 the function grows near 0. Also, in the page 2 is the same example.

- The individual entries are indicated with a black dot, a so-called bullet.

- The text in the entries may be of any length.

1. This is the first entry in our list

2. The list numbers increase with each entry we add

In physics the mass-energy equivalent is stated by the equation $E = mc^2$, discovered in 1905 by Albert Einstein.

In physics the mass-energy equivalent is stated by the equation

$$E = mc^2$$

discovered in 1905 by Albert Einstein. In natural units (c = 1), the formula expresses the identity

$$E = m \tag{1}$$

Subscripts in math mode are written as a_b and superscripts are written as a^b. These can be combined an nested to write expressions such as

$$T^{i_1 i_2 \dots i_p}_{j_1 j_2 \dots j_q} = T(x^{i_1}, dots, x^{i_p}, e_{j_1}, \dots, e_{j_q})$$

We write integrals using $\int$ and fractions using $\frac{a}{b}$. Limits are placed on integrals using superscripts and Subscripts:

$$\int_0^1 \frac{dx}{e^x} = \frac{e-1}{e}$$

Lower case Greek letters are written as ω δ etc. while upper case Greek letters are written as Ω Δ

Mathematical operators are prefixed with a backslash as $\sin(\beta)$, $\cos(\alpha)$, $\log(x)$ etc.

Abstract

This is a simple paragraph at the beggining of the document. A brief intro-
cutions about the main subject.

Now that we have written our abstract, we can begin writting our first paragraph.

This line will start a second Paragraph.

Chapter 1

First Chapter

1.1 Introduction

This is the first section.

Mussum Ipsum, cacilds vidis litro abertis. Pra lá , depois divoltis porris, paradis.Diuretics paradis num copo é motivis de denguis.Praesent vel viverra nisi. Mauris aliquet nunc non turpis scelerisque, eget.Si u mundo tá muito paradis? Toma um mé que o mundo vai girarzis!

1.2 Second Section

Mussum Ipsum, cacilds vidis litro abertis. Pra lá , depois divoltis porris, paradis.Diuretics paradis num copo é motivis de denguis.Praesent vel viverra nisi. Mauris aliquet nunc non turpis scelerisque, eget.Si u mundo tá muito paradis? Toma um mé que o mundo vai girarzis!

First Subsection

Mussum Ipsum, cacilds vidis litro abertis. Pra lá , depois divoltis porris, paradis.Diuretics paradis num copo é motivis de denguis.Praesent vel viverra nisi. Mauris aliquet nunc non turpis scelerisque, eget.Si u mundo tá muito paradis? Toma um mé que o mundo vai girarzis!

Unnumbered Section

Mussum Ipsum, cacilds vidis litro abertis. Pra lá , depois divoltis porris, paradis.Diuretics paradis num copo é motivis de denguis.Praesent vel viverra nisi. Mauris aliquet nunc non turpis scelerisque, eget.Si u mundo tá muito paradis? Toma um mé que o mundo vai girarzis!

cell1	cell2	cell3
cell4	cell5	cell6
cell7	cell8	cell9

cell1	cell2	cell3
cell4	cell5	cell6
cell7	cell8	cell9

Col1	Col2	Col2	Col3
1	6	87837	787
2	7	78	5415
3	545	778	7507
4	545	18744	7560
5	88	788	6344

Table 1.1 is an example of referenced LaTeX elements.

Col1	Col2	Col2	Col3
1	6	87837	787
2	7	78	5415
3	545	7	5415
3	545	778	7507
4	545	18744	7560
5	88	788	6344

Table 1.1: Table to test captions and labels