First document

Prahalad Belavadi *

September 16, 2021

We have now added a title, author and date to our first LATEX document! Mostly just copying this from the overleaf site

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

here's **a bold sentence**

some *italics too*

this is how to underline

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

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

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

if only I coulld figure out how to type on the next line without massive line skips

- 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 equivalence is stated by the equation $E = mc^2$, discovered in 1905 by Albert Einstein.

The mass-energy equivalence is described by the famous equation

$$E = mc^2$$

---

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

$$E = mc^2 \tag{1}$$

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

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

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.