

Title

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Abstract

Well markdown is just plaintext. It just needs a simple editor like notepad to write a text in markdown. This document is entirely written in markdown and just rendered to PDF as you see now. This is the simplicity and profoundness of markdown! LaTeX, MS Word, HTML — reduced to plaintext!

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Heading h1

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Colorful.

Suppose $f : \mathbb{C} \rightarrow \mathbb{C}$ is a function. Its derivate at z_0 is defined as:

$$f'(z) = \lim_{z \rightarrow z_0} \frac{f(z_0 + h) - f(z_0)}{h}$$

Lists

It's so simple to make lists. This is an ordered list.

1. Humans
2. Are
3. Crazy

This is an unordered list.

- Computers

- Are
- Sane

Tables

This is how a table looks.

Math

Theorem 1. *This is a theorem.*

Here is an inline math: $E = mc^2$. The following is a display math.

$$\nabla \times \mathbf{B} = \mu_0 \mathbf{j} + \frac{1}{c^2} \frac{\partial \mathbf{E}}{\partial t}$$

If you want to number the equation, then resort to LaTeX environments. :)

$$(i\gamma_\mu \partial^\mu - m)\Psi = 0 \tag{1}$$

Just use the usual TeX for math.

Insert image like this: Put some description here.

This is a [link](#).

Code

Code is formatted like this:

```
import os, exit
os.chdir(r'~/Documents/')
if not os.listdir():
    print('Directory is empty.')
    sys.exit()
print(listdir())
```

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References

[1] This.