

Scientific Writing, Documentation, and Presenting

Markdown, Latex, and Git(Hub)

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February 8, 2022



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About

This beamer presentation demonstrates how to use some basic functions in \LaTeX
How to write a text **bold**, or *italic*, or underline, or how to put them ***all together***. How to emphasize text:

Something

Test

Or in a different color?

With a list

- Item 1
- Item 2

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Different list types I

List items can be changed by adding [I], [i], [+]:

- unnumbered, standard
- ① numbered standard
- + unnumbered +
 - | numbered capital roman letters
 - | Do you know what is 4 in roman letters?
- i numbered small roman letters
- i Do you know what is 4 in roman letters?

Nested Lists

- First item

- ? My question.

- \$\$ Want to make money?

- \int Mathematical list.

- Black square.

Remark My final remark.

- An item with an EQUATION:

$$\sum_{n=1}^{\infty} \frac{1}{n^2} = \frac{\pi^2}{6}$$

- Continue in list

- last item

Which reference is better?

When we use references and citations we can choose several packages:

LaTeX Style

$$E = mc^2 \quad (1)$$

This equation (1) is from Einstein, [1]

Cleveref Style

$$a^2 + b^2 = c^2 \quad (2)$$

$$1 + 1 = 2 \quad (3)$$

$$1 + 2 = \begin{pmatrix} a \\ b \end{pmatrix} \quad (4)$$

And here are the eqs. (2) to (4)

Images

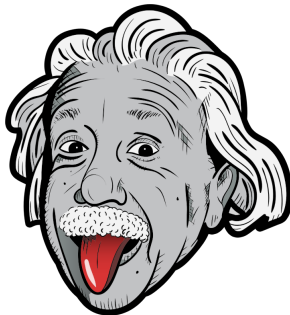


Figure 1: This is a caption

Now I am referencing to this figure 1 and to the equation 1.

Effects

Beamer can create effects such as:

Normal text 1 2 3

First only

First visible

First uncover Second uncover Third uncover

- ① First enumerate
- ② Second enumerate
- ③ Third enumerate
- item
- item
- item

Effects

Beamer can create effects such as:

Normal text 1 2 3

Second only

Second visible

First uncover Second uncover Third uncover

① First enumerate

② Second enumerate

③ Third enumerate

• item

• item

• item

Effects

Beamer can create effects such as:

Normal text 1 2 3

Third only

Third visible

First uncover Second uncover Third uncover

- 1 First enumerate
- 2 Second enumerate
- 3 Third enumerate
 - item
 - item
 - item

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References

- [1] A. Einstein, “Prüfung der allgemeinen relativitätstheorie,” vol. 7, pp. 776–776, 1919, ISSN: 0028-1042. DOI: [10.1007/bf01489445](https://doi.org/10.1007/bf01489445).