

A report

Someone

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Contents

1	A chapter on something	2
1.1	A section	2
1.1.1	A sub-section	2
2	Another chapter	3
2.1	Again a section	3

Chapter 1

A chapter on something

1.1 A section

1.1.1 A sub-section

Some text here. You can *emphasise it* or **make it bold-face** or larger or *combine those settings*.
A random equation:

$$E = mc^2. \tag{1.1}$$

If you want to align equations, use either `align` or `aligned`. See the examples below. The difference is the way in which the equation numbers are added. Here is the option with the two equations receiving only one number:

$$\begin{aligned} E &= mc^2 \\ i\hbar \frac{\partial}{\partial t} |\psi, t\rangle &= \hat{H} |\psi, t\rangle, \end{aligned} \tag{1.2}$$

and here is the one where every equation gets its own number:

$$E = mc^2 \tag{1.3}$$

$$i\hbar \frac{\partial}{\partial t} |\psi, t\rangle = \hat{H} |\psi, t\rangle, \tag{1.4}$$

Chapter 2

Another chapter

2.1 Again a section

You can cite any paper or book which is in your bibliography list (see below). Papers everyone should read are [1] and [2].

You can refer to equations, such as (1.3), or to chapters, such as 1, or figures, such as figure 2.1.



Figure 2.1: This is the lion which is the \TeX mascotte.

And here is a link to a web page: <http://www.google.com>.

Bibliography

- [1] A. Einstein, B. Podolsky and N. Rosen, “Can quantum mechanical description of physical reality be considered complete?,” *Phys. Rev.* **47** (1935) 777.
- [2] R. P. Feynman, “Space-time approach to nonrelativistic quantum mechanics,” *Rev. Mod. Phys.* **20** (1948) 367.