



The Title

COURSE NAME

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Chapter 1

A Nice Title



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§1.1 Here goes the section!

§1.1.1 And the subsection

Definition 1.1.1: DEF NAME

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Here is the nice looking Schrodinger's Equation [2]

$$i\hbar\frac{\partial}{\partial t}\Psi(\mathbf{r},t) = \left[\frac{-\hbar^2}{2m}\nabla^2 + V(\mathbf{r},t) \right] \Psi(\mathbf{r},t)$$

Theorem 1.1.1: THM NAME

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Proposition 1.1.1: PROP NAME

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¹Here is an example footnote. L^AT_EX can be customized in many different ways

Lemma 1.1.1: LEM NAME

Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis.

Corollary 1.1.1: COR NAME

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Problem 1. *Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris.*

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§1.2 Images and Mathematics



Figure 1.1: We can add images too!! Isn't that good.

The Maxwell's equations !!

$$\nabla \cdot \mathbf{E} = \frac{\rho}{\varepsilon_0}$$

$$\nabla \cdot \mathbf{B} = 0$$

$$\nabla \times \mathbf{E} = -\frac{\partial \mathbf{B}}{\partial t}$$

$$\nabla \times \mathbf{B} = \mu_0 \left(\mathbf{J} + \varepsilon_0 \frac{\partial \mathbf{E}}{\partial t} \right)$$

Bibliography

- [1] Wikibooks. *LaTeX — Wikibooks, The Free Textbook Project*. 2020. URL: <https://en.wikibooks.org/w/index.php?title=LaTeX&oldid=3790790>.
- [2] Paul Adrien Maurice Dirac. *The Principles of Quantum Mechanics*. International series of monographs on physics. Clarendon Press, 1981. ISBN: 9780198520115.
- [3] Donald Knuth. *Knuth: Computers and Typesetting*. URL: <http://www-cs-faculty.stanford.edu/~uno/abcde.html>. (accessed: 01.09.2016).