

Title

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1

Introduction

See [Second chapter](#)

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1.1 Introduction

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1.2 Math

Let us suppose that $x^2 + y^2 = z^2$. Then

$$\left\langle u \left| \sum_{i=1}^n F(e_i, v) e_i \right. \right\rangle = F\left(\sum_{i=1}^n \langle e_i | u \rangle e_i, v\right). \quad (1.1)$$

2

Second chapter

Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante. Phasellus adipiscing semper elit. Proin fermentum massa ac quam. Sed diam turpis, molestie vitae, placerat a, molestie nec, leo. Maecenas lacinia. Nam ipsum ligula, eleifend at, accumsan nec, suscipit a, ipsum. Morbi blandit ligula feugiat magna. Nunc eleifend consequat lorem. Sed lacinia nulla vitae enim. Pellentesque tincidunt purus vel magna. Integer non enim. Praesent euismod nunc eu purus. Donec bibendum quam in tellus. Nullam cursus pulvinar lectus. Donec et mi. Nam vulputate metus eu enim. Vestibulum pellentesque felis eu massa.

2.1 First section

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$$\omega = \sum_{\alpha}^{\phi} CRXVB$$

$RQSZ$
 \mathcal{RQSZ}
 $\Re Q \Im 3$
 $\mathbb{R}QSZ$

2.1.1 First subsection

Fusce mauris. Vestibulum luctus nibh at lectus. Sed bibendum, nulla a faucibus semper, leo velit ultricies tellus, ac venenatis arcu wisi vel nisl. Vestibulum diam. Aliquam pellentesque, augue quis sagittis posuere, turpis lacus congue quam, in hendrerit risus eros eget felis. Maecenas eget erat in sapien mattis porttitor. Vestibulum porttitor. Nulla facilisi. Sed a turpis eu lacus commodo facilisis. Morbi fringilla, wisi in dignissim interdum, justo lectus sagittis dui, et vehicula libero dui cursus dui. Mauris tempor ligula sed lacus. Duis cursus enim ut augue. Cras ac magna. Cras nulla. Nulla egestas. Curabitur a leo. Quisque egestas wisi eget nunc. Nam feugiat lacus vel est. Curabitur consetetuer.

$$\begin{aligned}
 3x^2 &\in R \subset Q \\
 3x^2 &\in R \subset Q \\
 3x^2 &\in R \subset Q \\
 3x^2 &\in R \subset Q \\
 \mathbf{3x^2} &\in \mathbf{R} \subset \mathbf{Q} \\
 3x^2 &\in R \subset Q \\
 3\mathbf{x}^2 &\in R \subset Q
 \end{aligned}$$

В 1930 году Паули высказал предположение о том, что может существовать легкая электрически нейтральная частица, которая и уносит недостающую энергию. Он назвал эту частицу нейтрон (в последствии – нейтрино). Он сформировал свое предложение в письме к Тюбингемскому научному конгрессу (под катом). Примечательны обращения «Dear radioactive ladies and gentlemen», «dear radioactives», а так же причина, по которой сам мистер Паули не явился на конгресс. У него ночью намечался бал. Дамы не будут ждать, пока ты тут новую частицу открываешь.

3

We have several FONTS *at* disposal

The serifed roman font is used for the main body of the text. *Italics are typically used to denote emphasis or quotations.* The teletype font is typically used for source code listings. The bold, small-caps and sans-serif variants of the base roman font can be used to denote specific types of information.

We can also change the font size, although it is usually not necessary.

A wide variety of mathematical fonts is also available, such as:

ABC, \mathcal{ABC} , **ABC**, ABC, ABC, ABC

By loading the amsfonts packages, several additional fonts will become available:

\mathfrak{ABC} , ABC

Many other mathematical fonts are available¹.

<http://www.tug.dk/FontCatalogue/mathfonts.html>
<https://en.wikibooks.org/wiki/LaTeX/Mathematics>
<http://www.tug.dk/FontCatalogue/>
https://www.overleaf.com/learn/latex/Font_typefaces

¹ Here: <http://tex.stackexchange.com/a/58124/70941>.