First Try

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July 5, 2020

Contents

Chapter 1

First Chapter

1.1 First Section

1.1.1 First Subsection

First Subsubsection

First paragraph Latex is easy[1]!
A reference to this subsection looks like: “see section 1.1.1 on page 2.”

First subparagraph Also interesting!

1.2 Second Section

1.2.1 Second Subsection

Second Subsubsubsection

Second paragraph There is not second subparagraph

[1] Perheps easy

Chapter 2

Second Chapter

2.1 emp and underline

If you empasizing inside a piece of emphasized text, then LaTeX uses the normal font for emphasizing.

1. You can mix the list environments to your taste:
   - But it might start to look silly.
   - With a dash
2. Therefore rementer:

   Stupid things will not become smart because they are in a list.

   Smart things, though, can be presented beautifully in a list.

This text is
left-aligned. LaTeX is not trying to make
each line the same length.

This text is right-
aligned. LaTeX is not trying to make each
line the same length.

At the centre
of the earch

A typographical rule of thumb for the line length is:

> On average, no line should be
> longer than 66 characters.

This is why LaTeX pages have such large borders by default and also why multicolumn print is used in newspapers.

> I turn away in fright and horror from this lamentable plague of functions that do not have derivatives.
> *C.Herimite*,1893

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> *C.Herimite*,1893

Another ways!

> I turn away in fright and horror from this lamentable plague of functions that do not have derivatives.
> *C.Herimite*,1893

Abstract

The abstract abstract.

Pi expression	Value
π	3.14.16
π^{π}	36.46
$(\pi^{\pi})^{\pi}$	80662.7

Figure 2.1: Pi Value

1.`\verb`

`2.\verb`

7C0	hexadecimal
3700	octal
11111000000	binary
1984	decimal

Welcome to Boxy's paragraph. We sincerely hope you'll all enjoy the show.

no leading space

leading space left and right	
Pi expression	Value
π	3.14.16
π^{π}	36.46
$(\pi^{\pi})^{\pi}$	80662.7

Figure 2.2 is an example of Pop-Art.

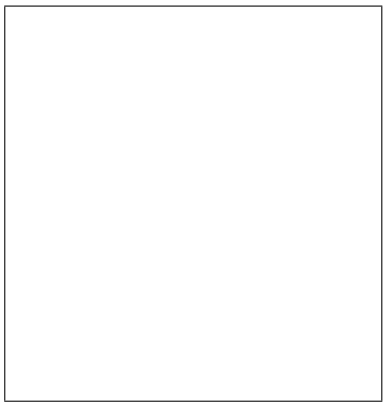

Figure 2.2: Five by Five in Centimetres.

Pi expression	Value
π	3.14.16
π^π	36.46
$(\pi^\pi)^\pi$	80662.7

List of Figures

Add a squared and b squared to get c squared.0r, using a more mathematical approach:$c^2 = a^2 + b^2$
TEX is pronounced as $\tau\epsilon\chi$.

100m^3 of water

This comes from my ♡
Add a suqared and b squared to get c squared.Or, using a more mathematical approach:

$$c^2 = a^2 + b^2$$

or you can type less with:

$$a + b = c$$

$$\epsilon > 0 \tag{2.1}$$

From(2.1), we gather …From 3 we do the same.
ab
ab
$a \quad b$
$a \qquad b$

$$x^2 \geq 0 \qquad \text{for all } x \in \mathbb{R}$$

$\Pi\pi\sqrt{3}$
$\underbrace{1 + 2 + 3 + \ldots + (n-1) + n}_{n\text{ge}}$
$a \bmod b$
$x \equiv a \pmod{b}$

$$\binom{n}{k} \qquad \mathrm{C}_n^k$$

$$\overset{a}{b}$$

$\Pi \prod$

$$\sum_{\substack{0<i<n \\ 1<j<m}} P(i,j) = \sum_{\substack{i \in I \\ 1<j<m}} Q(i,j)$$

$$1 + \left(\frac{1}{1-x^2} \right)^3$$

$((\| \{ \langle$

$$\iint_D g(x,y)\,\mathrm{d}x\,\mathrm{d}y$$

$$\iint_D g(x,y)\,\mathrm{d}x\,\mathrm{d}y$$

$$\int \cdots \int$$

$\cdots \ldots \vdots \ddots$

$$\mathbf{X} = \begin{pmatrix} x_{11} & x_{12} & \cdots \\ x_{21} & x_{22} & \cdots \\ \vdots & \vdots & \ddots \end{pmatrix}$$

$$y = \begin{cases} a & \text{if } d > c \\ b + x & \text{in the morning} \\ l & \text{all day long} \end{cases}$$

$$\left(\begin{array}{c|c} 1 & 2 \\ \hline 3 & 4 \end{array} \right)$$

$$E = mc^2 \tag{2.2}$$

$$\begin{aligned} f(x) &= \cos x && (2.3) \\ f'(x) &= -\sin x && (2.4) \\ \int_0^x f(y)\mathrm{d}y &= sinx && (2.5) \end{aligned}$$

$$\begin{aligned} \sin x = x &- \frac{x^3}{3!} + \frac{x^5}{5!} - \\ &- \frac{x^7}{7!} + \cdots \end{aligned} \tag{2.6}$$

$$\Gamma_{ij}^{\ k}$$

$$2^{\text{nd}} \quad 2^{\text{nd}} \tag{2.7}$$

$$\frac{\sum_{i=1}^{n}(x_i - \overline{x})(y_i - \overline{y})}{\left[\sum_{i=1}^{n}(x_i - \overline{x})^2 \sum_{i=1}^{n}(y_i - \overline{y})^2\right]^{1/2}}$$

Law 1. Don't hide in the witness box

Jury 1 (The Twelve)**.** *It could be you! So beware and see law 1*

Margaret. No, No, No

Murphy 2.1.1. If there are two or more ways to do something, and one of those ways can result in a catastrophe, then someone will do it.

Proof. Trivial, used

$$E = mc^2$$

□

Something [1] has proposed that …
Something [2] had proposed that …

Bibliography

[1] This is something 1.

[2] This is something 2.

My Word . As opposed to Word . Note the position of the full stop.