this is a title

pl and 0x00-pl

the date is today

Contents

1   section 0 哈哈 LaTeX

LaTeX

2   compile

2.1   MakeFile

latex hello-latex.text
dvipdfm hello-latex.dvi

2.2   sections

\section
\subsection
\subsubsection
\paragraph
\subparagraph

2.2.1   set section counter

\setcounter{section}{3}

3   contents 你好 LaTeX

first contents   你好 LaTeX
    You can mix latin letters and chinese.

4   strings

this is some text of content of "this" subsection.
this is another line of content.

5 formulas

$$B^2 = \mathbf{B} \times B$$

$$A[3] \text{ is } A_3$$

6 left and right

\raggedright{text on left}

\begin{flushleft}
flushleft
\end{flushleft}

\raggedleft{text on right}

\begin{flushright}
flushright
\end{flushright}

\centering{centering}

\begin{center}
center
\end{center}

7 something verbatim

```
some thing verbatim, which without escape \\ /23454234$&%^&^(*^\z@%@#$%
```

8 colors

Figure 1: title of image

9 images

Figure 2: 2 images

9.1 notation and referance

9.1.1 structure

```
\lable{marker}
...
\ref{marker}
...
\pageref{marker}
```

we can ref the (figure:2img): 9

9.1.2 more on figure

on

```
\begin{figure}[!t]
```

the [!t] notation means force the image shows on the top of the page.
ps:
[!h] means put it here.
[!t] means put it on top.
[!b] means put it on bottom.
[!p] means put it into another page.

9.1.3 footnote

this is the footnote [1]

---

[1] the footnote text is here

9.1.4 hyper link

use the package 'hyperref'
$\url\{http://the.url.is.here\}$
$\href\{http://there.is.another.url\}$ {the link title or some discription}

10 size and fount

10.1 size

tiny

footnotesize

small

normalsize

large

Large

LARGE

huge

10.2 fount

testnormal normalfont

`texttt ttfamily`

textbf bfseries

testit itshape

11 lists

- item 1

- item 2

12 tables

12.1 tabular

this is a tabular:

3×3 matrix		
11	12	13
21	22	23
31	32	33

13 common errors – part 4 of the lecture

13.1 errors and warings

{} miss match: Too many }'s

letter wrong like $\dtae\{Mar.2014\}$: Undefined control sequence

not in math mode: Not in Mathematics Mode.

image or box are too large: Bad Boxes!

missing packages: Missing Packages

13.2   lengths

normally don't override textlength setting or something like that.

13.3   counters

not normally used

13.4   boxes

add box on the text or $\boxed{\text{s}}$omething
use \framebox

13.5   rules and struts

make some area black or something like that

14   common errors – part 5 of the lecture