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

10   notation and referance

10.1   structure

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

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

10.2   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.

10.3   footnote

this is the footnote [1]

---

[1] the footnote text is here

10.4 hyper link

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

11 size and fount

11.1 size

tiny

footnotesize

small

normalsize

large

Large

LARGE

huge

11.2 fount

testnormal normalfont

`textttt ttfamily`

textbf bfseries

testit itshape

12 lists

- item 1

- item 2

13 turn and rotate

see the difference:
prev line

turn 30 deg
and rotate 30 deg
nextline

14 tables

14.1 tabular

this is a tabular:

3×3 matrix			ex		
11	12	13			
21	22	23	1111	1111	1111
31	32	33	34	35	36

15 common errors – part 4 of the lecture

15.1 errors and warings

{} miss match: Too many }'s
letter wrong like $\backslash dtae\{Mar.2014\}$: Undifined control sequence
not in math mode: Not in Mathematics Mode.
image or box are too large: Bad Boxes!
missing packages: Missing Packages

15.2 lengths

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

15.3 counters

not normally used

15.4 boxes

add box on the text or ⌑s⌑omething
use \framebox

15.5 rules and struts

make some area black or something like that

16 mathematics and computers – part 5 of the lecture