

this is a title

pl and 0x00-pl

the date is today

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1 section 0 哈哈 L^AT_EX

L^AT_EX

2 compile

2.1 MakeFile

```
latex hello-latex.text
dvi2pdf hello-latex.dvi
```

2.2 sections

```
\section
\subsection
\subsubsection
\paragraph
\subparagraph
```

2.2.1 set section counter

```
\setcounter{section}{3}
```

3 contents 你好 L^AT_EX

你好 L^AT_EX

You can mix latin letters and chinese.

this is some text of content of “this” subsection.

this is another line of content.

4 formulas

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

$A[3]$ is A_3

5 left and right

text on left

another text on left

text on right

another text on right

6 something verbatim

some thing verbatim `\\ /23454234$&%^&^(*^\\z@%@#$$%`

7 colors



Figure 1: [title of image](#)



Figure 2: 2 images

8 lists

- item 1
- item 2

9 tables

9.1 common elements II

9.2 tabular

this is a tabular:

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

10 images

11 common errors – part 4 of the lecture

11.1 notation and reference

examples:

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

we can ref the (figure:2img): 10

11.2 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.

11.3 footnote

this is the footnote ¹

11.4 hyper link

use the package 'hyperref'

`\url{http://the.url.is.here}`

`\href{http://there.is.another.url}` {the link title or some discription}

11.5 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

11.6 lengths

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

11.7 counters

not normally used

11.8 boxes

add box on the text or `\boxed{something}`

use `\framebox`

11.9 rules and struts

make some a

¹the footnote text is here

11.10 rules and struts

make some area black or something like that

12 common errors – part 5 of the lecture