

Lab 7 Notes

XXX

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1 Table

1.1 simple table

Example 1:

True	False
logical 1	logical 0

1.2 table environment (floating)

Example 2:

True	False
logical 1	logical 0

Table 1: Simple Table

Pay attention to the alignment (left/center/right) here.

Example 3:

p	q	$p \wedge q$	$p \vee q$
true	true	true	true
true	false	false	true

Table 2: Truth Table

2 Figure

Extra package is needed for inserting images to L^AT_EX files. The command `\usepackage{graphicx}` must be declared in the preamble.

2.1 simple image

3 Code

3.1 simple code

Example 6:

$y = \sqrt[3]{x}$ can be typeset by `$y=\sqrt[3]{x}$`.

3.2 verbatim environment

Example 7:

The MATLAB source code for generating the figure in Section ?? is listed below.

```

x = linspace(-pi/2,pi/2);
f = sin(x).*cos(x);
g = 1-2*x.^2;
plot(x,f,'r:',x,g,'b--','LineWidth',2)
grid on
legend('f(x)','g(x)')
title('two functions')

```

4 Font

4.1 font size

Different font sizes supported in L^AT_EX:

Example 8:

Here is a sample word.

Here is a sample word.

Here is a sample word.

Here is a sample word.

Here is a sample word in normal size.

Here is a sample word.

Here is a sample word.

Here is a sample word.

Here is a sample word.

Here is a sample word.

The source code is listed below for your reference.

```

Here is a {\tiny sample word}.\
Here is a {\scriptsize sample word}.\
Here is a {\footnotesize sample word}.\
Here is a {\small sample word}.\
Here is a sample word in normal size.\
Here is a {\large sample word}.\
Here is a {\Large sample word}.\
Here is a {\LARGE sample word}.\
Here is a {\huge sample word}.\
Here is a {\Huge sample word}.\

```

4.2 font style

Common font styles used in L^AT_EX:

Example 9:

normal text

boldface text

italics text

SMALLCAPS TEXT

teletype text

underline text

The source code is listed below for your reference.

```
normal text\\
\textbf{boldface text}\\
\textit{italics text}\\
\textsc{smallcaps text}\\
\texttt{teletype text}\\
\underline{underline text}
```

Example 10:

We can **combine** the **font size** and font style for highlighting the content, but DO NOT **abuse** them.