

一、Demo01 – 无序列表

- Each list item is marked with a label. The labels in this itemized list are bullets.
- \LaTeX permits at least four levels of nested lists, which is more than enough.
- Blank lines before an item have no effect.

源代码：

```
\documentclass{article}
\begin{document}
\parskip=10pt
\begin{itemize}
    \itemsep=4pt
    \item Each list item is marked with a label.
        The labels in this itemized list are
        bullets.
    \item \LaTeX\ permits at least four levels of
        nested lists, which is more than enough.
    \item Blank lines before an item have no
        effect.
\end{itemize}
\end{document}
```

内容讲解：

1. `\begin{itemize}` ... `\end{itemize}` 用于非序号列表

2. `\item[seq_flag]` 为列表项内容，`seq_flag` 为序列标记符。
列表如下：

```
\textbullet – 实心圆点，第一层嵌套默认符号(最外层)
\normalfont\bf\textendash – 破折号，第二层嵌套默认符号
```

`\textasteriskcentered` – 星号(*), 第三层嵌套默认符号

`\textperiodcentered` – 上下居中的句号, 第四层嵌套默认符号

3. 修改不同层级嵌套的默认符号, `\renewcommand{\labelitemi}{\textbullet}`. 层级列表如下:

`\labelitemi` – 第一层嵌套

`\labelitemii` – 第二层嵌套

`\labelitemiii` – 第三层嵌套

`\labelitemiv` – 第四层嵌套

4. `\parskip` 用于指定列表与列表外文本的距离, 通常在列表环境外使用. 默认为 4pt plus 2pt minus 1pt

5. `\itemsep` 用于指定 item 之间的距离, 通常在列表环境内使用. 默认为 4pt plus 2pt minus 1pt

二、Demo02 – 有序列表

a- The item labels in an enumerated list are numerals or letters.

b- A list should have at least two items.

源代码:

```
\documentclass{article}
\begin{document}
\renewcommand{\theenumi}{\alph{enumi}}
\renewcommand{\labelenumi}{\theenumi-}
\begin{enumerate}
\item The item labels in an enumerated list
are numerals or letters.
```

```

\item A list should have at least two items.
\end{enumerate}
\end{document}

```

内容讲解：

1. `\begin{enumerate} ... \end{enumerate}` 用于序号列表

2. `\item` 为列表项内容

3. `\renewcommand{\theenumi}{\alph{enumi}}` 定义 label 的序号格式

`\renewcommand{\labelenumi}{\theenumi-}` 定义 label 的完整格式(序号+标记符号)

四层嵌套 label 列表如下：

	第一层	第二层	第三层	第四层
计数器名	enumi	enumii	enumiii	enumiv
序号指令	\theenumi	\theenumii	\theenumiii	\theenumiv
序号默认格式	\arabic{enumi}	\alph{enumii}	\roman{enumiii}	\Alph{enumiv}
label 指令	\labelenumi	\labelenumii	\labelenumiii	\labelenumiv
label 默认格式	\theenumi.	(\theenumii)	\theenumiii.	\theenumiv.

三、Demo03 — 特殊 label 的列表(有序和无序)

求解相关变化率的方法:

- ⇒ 识别出哪一个量需要相关变化率
- ⇒ 写出一个关联所有量的方程
- ⇒ 对方程关于时间 t 作隐函数求导
- ⇒ 将已知值代入方程中作替换

① The item labels in an enumerated list are numerals or letters.

- ② A list should have at least two items.

源代码：

```
\documentclass[UTF8,fontset=ubuntu]{ctexart}
\usepackage{pifont}
\begin{document}
\begin{dinglist}{47}
    \item 识别出哪一个量需要相关变化率
    \item 写出一个关联所有量的方程
    \item 对方程关于时间t作隐函数求导
    \item 将已知值代入方程中作替换
\end{dinglist}
\begin{dingautolist}{172}
    \item The item labels in an enumerated list are
        numerals or letters.
    \item A list should have at least two items.
\end{dingautolist}
\end{document}
```

内容讲解：

1. `\ding{<num>}` 为单个特殊符号。包含在 `pifont` 宏包中
2. `\begin{dinglist}{<num>}...{dinglist}` 为特殊 `label` 的无序列表(所有 `item` 使用相同 `label`)。包含在 `pifont` 环境中
3. `\begin{dingautolist}{<num>}...{dingautolist}` 为特殊 `label` 的有序列表(随着 `item` 递增序号)。包含在 `pifont` 环境中
4. `label` 序号列表参考 `symbol_summary` 的表 22

四、Demo04 — description list

gnat A small animal, found in the North Woods, that causes no end of trouble.

gnu A large animal, found in crossword puzzles, that causes no end of trouble.

armadillo A medium-sized animal, named after a medium-sized Texas city.

Alice was beginning to get very tired of sitting by her sister on the bank, and of having nothing to do: once or twice she had peeped into

B-I Each list item is marked with a label. The labels in this itemized list are bullets.

this is second paragraph

B-II \LaTeX permits at least four levels of nested lists, which is more than enough.

train Blank lines before an item have no effect.

Alice was beginning to get very tired of sitting by her sister on the

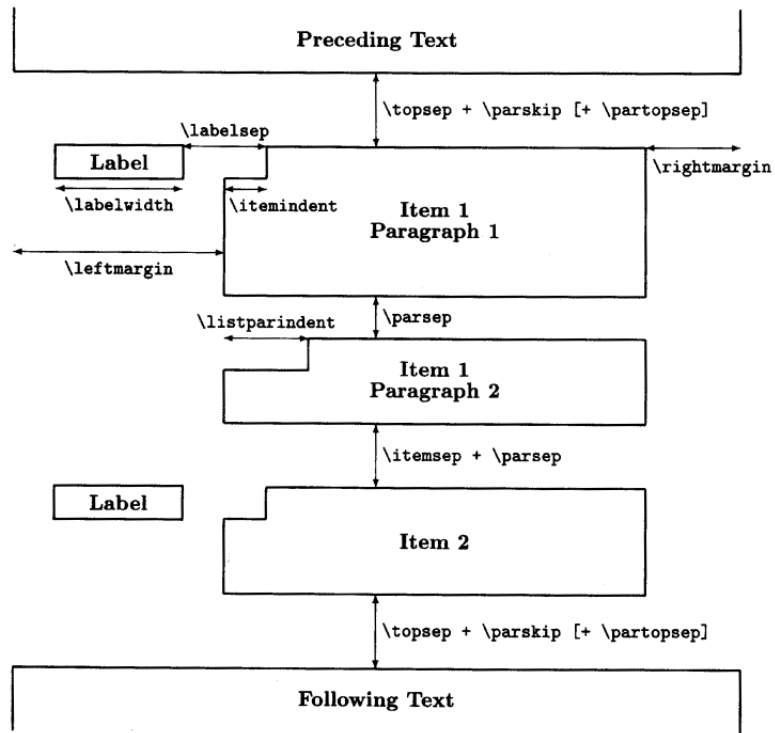


图 1: 引用自 Leslie Lamport - A Document Preparation System

Figure 6.3: The format of a list