

L^AT_EX and Friends

Lists

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The `itemize` Environment

L^AT_EX Input

```
\begin{itemize}
\item First item.
\item Second item.
      Text works as usual here.
\item Third item is a list.
      Different labels here.
      \begin{itemize}
      \item First nested item.
      \item Second item.
      \end{itemize}
\end{itemize}
```

L^AT_EX Output

- First item.
- Second item. Text works as usual here.
- Third item is a list. Different labels here.
 - First nested item.
 - Second item.

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Unordered Lists

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Changing Label Appearance

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L^AT_EX Usage

```
\renewcommand*\labelitemi{+}  
\renewcommand*\labelitemiv{-}
```

Changing Label Appearance (Continued)

L^AT_EX Usage

```
\begin{itemize}
\renewcommand*\labelitemi{+}
\item Label is plus.
\end{itemize}

\begin{itemize}
\item Default label.
\end{itemize}
```

L^AT_EX Output

- + Label is plus.
- Default label.

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The `enumerate` Environment (Continued)

L^AT_EX Input

```
\begin{enumerate}
\item First item.
\item Second item.
\item Third item is a list.
    \begin{enumerate}
    \item First nested item.
    \item Second item.
    \end{enumerate}
\end{enumerate}
```

L^AT_EX Output

- 1 First item.
- 2 Second item.
- 3 Third item is a list.
 - a First nested item.
 - b Second item.

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L^AT_EX Usage

```
\renewcommand*\labelenumi{\arabic{enumi}}  
\renewcommand*\labelenumii{\roman{enumii}}  
\renewcommand*\labelenumii{\Roman{enumii}}  
\renewcommand*\labelenumiii{\alph{enumiii}}  
\renewcommand*\labelenumiv{\Alph{enumiii}}
```

The `enumerate` Package

L^AT_EX Usage

Surrounding text here.

```
\begin{enumerate}[\textbf{{Item}-A}]  
\item The first of two hanging paragraphs.  
      Blah blah blah blah blah blah blah blah blah.  
\item The second of two  
      hanging paragraphs.  
\end{enumerate}
```

L^AT_EX Output

Surrounding text here.

Item a The first of two hanging paragraphs. Blah blah blah blah blah
 blah.

Item b The second of two hanging paragraphs.

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The description Environment

L^AT_EX Input

Kurosawa films include:

```
\begin{description}
\item[Kagemusha]
    When a powerful warlord in medieval Japan dies,
    a poor thief is recruited to impersonate him. ...
\item[Yojimbo]
    A crafty ronin comes to a town divided by two criminal gangs. ...
\item[Sanshiro Sugata]
    A young man struggles to learn the nuance and meaning of judo. ...
\end{description}
```

L^AT_EX Output

Kurosawa films include:

- Kagemusha** When a powerful warlord in medieval Japan dies, a poor thief is recruited to impersonate him. ...
- Yojimbo** A crafty ronin comes to a town divided by two criminal gangs. ...
- Sanshiro Sugata** A young man, struggles to learn the nuance and meaning of judo. ...

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L^AT_EX Usage

```
\begin{list}
  {<label formatting commands>}
  {<formatting commands>}
  <item list>
\end{list}
```

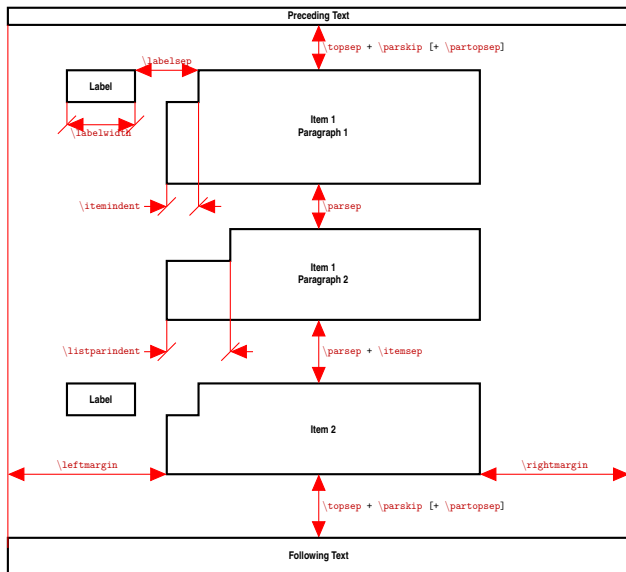
- Here `<label formatting commands>` typesets the labels.
- Commands in `<formatting commands>` format the resulting list.
 - The formatting depends on *length* commands.
 - The horizontal length commands are rigid lengths.
 - The vertical length commands are rubber lengths.

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Example

Label is Set Flush Right in Its Box

L^AT_EX Usage

```
\newcounter{ListCounter}

\begin{list}
  {List-\alph{ListCounter}}
  {\usecounter{ListCounter}
   \setlength{\rightmargin}{2cm}
   \setlength{\leftmargin}{2cm}}
\item Hello.
\item World.
\end{list}
```

```
\newcounter{ListCounter}
...
% Define new environment:
\newenvironment
  {alphList}
  {\begin{list}
    {List-\alph{ListCounter}}
    {\usecounter{ListCounter}
     \setlength{\rightmargin}{2cm}
     \setlength{\leftmargin}{2cm}}}
  {\end{list}}
...
% Use new environment:
\begin{alphList}
  \item Hello.
  \item World.
\end{alphList}
```

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AMS American Mathematical Society

API Application Programming Interface

APL A Programming Language

CTAN Comprehensive T_EX Archive Network

CD Compact Disk

FAQ Frequently Asked Question

GUI Graphical User Interface

IDE Integrated Development Environment

ISBN International Standard Book Number

SI Système International d'Unités/International System of Units

OS Operating System

TUG T_EX Users Group

URL Uniform Resource Locator

WYSIWYG What You See is What You Get

About this Document

- This document was created with `pdflatex`.
- The L^AT_EX document class is `beamer`.
- The main font is *T_EX Gyre Heros Condensed*.
 - You may obtain the font from <http://www.gust.org.pl>.