

Citation types

`\cite{key}` Full author list and year. (Watson and Crick 1953)
`\citeA{key}` Full author list. (Watson and Crick)
`\citeN{key}` Full author list and year. Watson and Crick (1953)
`\shortcite{key}` Abbreviated author list and year. ?
`\shortciteA{key}` Abbreviated author list. ?
`\shortciteN{key}` Abbreviated author list and year. ?
`\citeyear{key}` Cite year only. (1953)
 All the above have an NP variant without parentheses; Ex. `\citeNP`.

BIB_TE_X entry types

`@article` Journal or magazine article.
`@book` Book with publisher.
`@booklet` Book without publisher.
`@conference` Article in conference proceedings.
`@inbook` A part of a book and/or range of pages.
`@incollection` A part of book with its own title.
`@manual` Technical documentation.
`@mastersthesis` Master's thesis.
`@misc` If nothing else fits.
`@phdthesis` PhD. thesis.
`@proceedings` Proceedings of a conference.
`@techreport` Tech report, usually numbered in series.
`@unpublished` Unpublished.

BIB_TE_X fields

`address` Address of publisher.
`author` Names of authors, of format
`booktitle` Title of book when part of it is cited.
`chapter` Chapter or section number.
`edition` Edition of a book.
`editor` Names of editors.
`institution` Sponsoring institution of tech. report.
`journal` Journal name.
`key` Used for cross ref. when no author.
`month` Month published. Use 3-letter abbreviation.
`note` Any additional information.
`number` Number of journal or magazine.
`organization` Organization that sponsors a conference.
`pages` Page range (2,6,9--12).
`publisher` Publisher's name.
`school` Name of school (for thesis).
`series` Name of series of books.
`title` Title of work.
`type` Type of tech. report, ex. "Research Note".
`volume` Volume of a journal or book.
`year` Year of publication.

Common BIB_TE_X style files

<code>abbrv</code>	Standard	<code>abstract</code>	<code>alpha</code> with abstract
<code>alpha</code>	Standard	<code>apa</code>	APA
<code>plain</code>	Standard	<code>unsrt</code>	Unsorted

The L^AT_EX document should have the following two lines just before `\end{document}`, where `bibfile.bib` is the name of the BIB_TE_X file.

```
\bibliographystyle{plain}
\bibliography{bibfile}
```

BIB_TE_X example

The BIB_TE_X database goes in a file called `file.bib`, which is processed with `bibtex` file.

```
@String{N = {Na\{-ture}}
@Article{WC:1953,
  author = {James Watson and Francis Crick},
  title = {A structure for Deoxyribose Nucleic Acid},
  journal = N,
  volume = {171},
  pages = {737},
  year = 1953
}
```

Sample L^AT_EX document

```
\documentclass[11pt]{article}
\usepackage{fullpage}
\title{Template}
\author{Name}
\begin{document}
\maketitle

\section{section}
\subsection*{subsection without number}
text \textbf{bold text} text. Some math:  $\$2+2=5\$$ 
\subsection{subsection}
text \emph{emphasized text} text. \cite{WC:1953}
discovered the structure of DNA.

A table:
\begin{table}[!th]
\begin{tabular}{|l|c|r|}
\hline
first & row & data \\
second & row & data \\
\hline
\end{tabular}
\caption{This is the caption}
\label{ex:table}
\end{table}

The table is numbered \ref{ex:table}.
\end{document}
```

Copyright © 2002 Winston Chang
`$Revision: 1.4 $`, `$Date: 2002/03/18 20:40:59 $`.
<http://www.stdot.org/~winston/latex/>
 modified slightly for APPM;
<http://amath.colorado.edu/documentation/LaTeX/ref/>

Document classes

`book` Default is two-sided.
`report` No `\part` divisions.
`article` No `\part` or `\chapter` divisions.
`letter` Letter (`\usepackage{appmhead}` ?)
`slides` Large sans-serif font.

Used at the very beginning of a document:
`\documentclass{class}`. Use `\begin{document}` to start contents and `\end{document}` to end the document.

Common documentclass options

`10pt/11pt/12pt` Font size.
`letterpaper/a4paper` Paper size.
`twocolumn` Use two columns.
`twoside` Set margins for two-sided.
`landscape` Landscape orientation. Must use `dvips -t landscape`.
`draft` Double-space lines.
 Usage: `\documentclass[opt,opt]{class}`.

Packages

`fullpage` Use 1 inch margins.
`ansysize` Set margins with `\marginwidth{l}{r}{t}{b}`.
`multicol` Use *n* columns with `\begin{multicols}{n}`.
`latexsym` Use L^AT_EX symbol font.
 Use before `\begin{document}`. Usage: `\usepackage{package}`

Title

`\author{text}` Author of document.
`\title{text}` Title of document.
`\date{text}` Date.

These commands go before `\begin{document}`. The declaration `\maketitle` goes at the top of the document.

Miscellaneous

`\pagestyle{empty}` Empty header, footer and no page numbers.

Document structure

<code>\part{title}</code>	<code>\subsubsection{title}</code>
<code>\chapter{title}</code>	<code>\paragraph{title}</code>
<code>\section{title}</code>	<code>\subparagraph{title}</code>
<code>\subsection{title}</code>	

Section commands can be followed with an `*`, like `\section*{title}`, to suppress heading numbers.
`\setcounter{secnumdepth}{x}` suppresses heading numbers of depth $> x$, where `chapter` has depth 0.

Text environments

`\begin{comment}` Comment block (not printed).
`\begin{quote}` Indented quotation block.
`\begin{quotation}` Like `quote` with indented paragraphs.
`\begin{verse}` Quotation block for verse.