

L^AT_EX Cheat Sheet

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Document classes

`\documentclass{class}`

Options include:

book

report

article

letter

slides

`\begin{document}`

`\end{document}`

Packages

`\usepackage{package}`

Examples include:

graphicx (needed to include images)

url

latexsym

xcolor

Title and Sections

`\title{text}`

`\author{text}; \date{text}; \maketitle`

`\section{section}`

`\subsection{subsection}`

`\subsubsection{subsubsection}`

Formatting

`\textbf{text}`

`\textit{text}`

`\underline{text}`

`\begin{center}` (centering)

`\hspace{l}` (horizontal space of length l)

`\vspace{l}` (vertical space of length l)

`\begin{enumerate}` (numbered list)

`\begin{itemize}` (bulleted list)

`\item text` (add an item)

Equations

For inline equations, use `\(...\)` or `$...$`.

`\begin{equation}` and `\end{equation}` or

`\begin{align}` and `\end{align}`

`\nonumber` (suppress equation number)

Symbols and Mathematics

Superscript ^{x} `\^{x}`

Subscript _{x} `_{x}`

$\sum_{j=1}^n$ `\sum_{j=1}^n`

$\frac{a}{b}$ `\frac{a}{b}`

$\sqrt[k]{x}$ `\sqrt[k]{x}`

$\prod_{i=1}^n$ `\prod_{i=1}^n`

α `\alpha`

β `\beta`

γ `\gamma`

δ `\delta`

Bibliography

`\begin{thebibliography}` (begin bibliography)

`\end{thebibliography}`

`\bibitem{item}` (add an item)

`\cite{item}` (cite an item)

When in doubt google... ¹

¹For a more comprehensive cheat sheet, see
<https://wch.github.io/latexsheet/>