

## Sentences and Paragraphs

**quotes** single ‘...’ double “...”  
**dashes** intra-word - number range: --  
 punctuation: ---  
**spacing** small \, inter-word \\_ unbreak-  
 able ~ sentence-ending period \@.  
**special characters** \$ \\$ & \% \#  
 # \# { \{ } \} - \\_   
**emphasis** \emph{...}  
**unbreakable text** \mbox{...}  
**footnotes** \footnote{...}  
**date** \today

## Type Style

\textrm{...}	Rom	\textsc{...}	CAPS
\textit{...}	Ital	\texttt{...}	Type
\textbf{...}	Bold	\textsf{...}	SSrf
\textsl{...}	Slan		

\boldmath use bold math symbols

## in math mode

\mathrm{...}	Rom	\mathtt{...}	Type
\mathit{...}	Ital	\mathsf{...}	SSrf
\mathbf{...}	Bold	\mathcal{...}	CAL

## Type Size

\tiny	\small	\large	\huge
\scriptsize	\normalsize	\Large	\Huge
\footnotesize		\LARGE	

## Accents and Symbols

ò \{o}	õ \~{o}	ö \v{o}	ø \c{o}
ó \'{o}	ō \={o}	ő \H{o}	ø \d{o}
ô \^o	ô \.o	öo \t{oo}	ø \b{o}
ö \\"o	ö \u{o}		
† \dag	§ \S	© \copyright	
‡ \ddag	¶ \P	£ \pounds	

## Sectioning and Table of Contents

\part	\section	\paragraph
\chapter	\subsection	\subparagraph
	\subsubsection	

## Mathematical Formulas

$\$...$ or  $\backslash(...)$  in-text formula  
 $\backslash[...]$  displayed formula  
 $\backslashbegin{equation} ... \backslashend{equation}$   
 numbered equation  
 $\backslashbegin{eqnarray} ... \backslashend{eqnarray}$   
 numbered equations, like 3-column array en-  
 vironment; \nonumber omits one equation  
 number, eqnarray* omits all  
 $_...$  subscript  
 $^...$  superscript  
 ' prime (')  
 $\frac{n}{d}$  print fraction  $\frac{n}{d}$   
 $\sqrt[n]{arg}$  print  $\sqrt[n]{arg}$   
 ellipsis \ldots ... \cdots ... \vdots :  
 symbols see Tables 3.4–3.8 (pp. 42–44)  
 Greek letters  $\alpha$  \alpha ...  $\Omega$  \Omega  
 delimiters \left or \right followed by delim-  
 iter from Table 3.10 (p. 47)  
 $\overline{exp}$  print  $\overline{exp}$   
 space thin \, medium \: thick \; neg-  
 ative thin \!$

## Displayed Paragraphs

$\backslashbegin{quote} ... \backslashend{quote}$   
 short displayed quotation  
 $\backslashbegin{quotation} ... \backslashend{quotation}$   
 long displayed quotation  
 $\backslashbegin{center} ... \backslashend{center}$   
 centered lines, separated by \\  
 $\backslashbegin{verse} ... \backslashend{verse}$   
 \\ between lines, blank line between stanzas  
 $\backslashbegin{verbatim} ... \backslashend{verbatim}$   
 in typewriter font exactly as formatted

## Lists

Begin each item with \item or \item[*label*]  
 $\backslashbegin{itemize} ... \backslashend{itemize}$   
 “ticked” items  
 $\backslashbegin{enumerate} ... \backslashend{enumerate}$

## Document Class, Packages, Styles

$\backslashdocumentclass[options]{class}$   
*style* article report book  
 slides letter (for letters)  
*options* 11pt titlepage twoside leqno  
 12pt twocolumn a4paper fleqn  
 $\backslashusepackage[options]{pkg}$   
*pkg* amstex color latexsym  
 babel graphics makeidx  
 $\backslashpagestyle{style}$  style of head and foot:  
 plain empty headings myheadings  
 $\backslashpagenumbering{style}$  style of page numbers:  
 arabic roman alph Roman Alph

## Title Page and Abstract

$\backslashmaketitle$  make title with information declared  
 by \title, \author, and [optional] \date  
 $\backslashbegin{titlepage} ... \backslashend{titlepage}$   
 do-it-yourself title page  
 $\backslashbegin{abstract} ... \backslashend{abstract}$   
 make abstract

## Cross-Reference

$\backslashlabel{key}$  assign current counter value to *key*  
 $\backslashref{key}$  print value assigned to *key*

## Bibliography and Citation

$\backslashbibliography{...}$  make bibliography and tell  
 Bib<sub>T</sub>E<sub>X</sub> names of bib files  
 $\backslashbegin{thebibliography}{lbl} ... \backslashend{...}$   
 make bibliography; *lbl* is widest entry label  
 $\backslashbibitem[lbl]{key}$  begin bibliography entry for  
 citation *key* [with *lbl* as label]  
 $\backslashcite[*note*]{*keys*}$  cite reference(s) *keys* [with  
 added *note*]

## Splitting the Input

$\backslashinput{file}$  read specified file  
 $\backslashinclude{file}$  read specified file unless excluded  
 by \includeonly