

# Table of Contents

<b>Executive Summary</b> .....	<b>1</b>
<b>Copying</b> .....	<b>2</b>
<b>1 Introduction</b> .....	<b>3</b>
1.1 Overview of AUCTeX .....	3
1.2 Installing AUCTeX .....	3
1.2.1 Prerequisites .....	4
1.2.2 Configure .....	5
1.2.3 Build/install and uninstall .....	7
1.2.4 Loading the package .....	7
1.2.5 Providing AUCTeX as a package .....	8
1.2.6 Installation for non-privileged users .....	9
1.2.7 Installation under MS Windows .....	10
1.2.8 Customizing .....	15
1.3 Quick Start .....	16
1.3.1 Functions for editing TeX files .....	17
1.3.1.1 Making your TeX code more readable .....	17
1.3.1.2 Entering sectioning commands .....	17
1.3.1.3 Inserting environments .....	17
1.3.1.4 Inserting macros .....	17
1.3.1.5 Changing the font .....	18
1.3.1.6 Other useful features .....	18
1.3.2 Creating and viewing output, debugging .....	18
1.3.2.1 One Command for LaTeX, helpers, viewers, and printing ..	18
1.3.2.2 Choosing an output format .....	19
1.3.2.3 Debugging LaTeX .....	19
1.3.2.4 Running LaTeX on parts of your document .....	20
<b>2 Editing the Document Source</b> .....	<b>21</b>
2.1 Insertion of Quotes, Dollars, and Braces .....	21
2.2 Inserting Font Specifiers .....	24
2.3 Inserting chapters, sections, etc. ....	25
2.4 Inserting Environment Templates .....	27
2.4.1 Equations .....	29
2.4.2 Floats .....	29
2.4.3 Itemize-like Environments .....	30
2.4.4 Tabular-like Environments .....	30
2.4.5 Customizing Environments .....	31
2.5 Entering Mathematics .....	31
2.6 Completion .....	32
2.7 Marking Environments, Sections, or Texinfo Nodes .....	34

2.7.1	LaTeX Commands for Marking Environments and Sections ..	34
2.7.2	Texinfo Commands for Marking Environments and Sections ..	35
2.8	Commenting .....	35
2.9	Indenting.....	36
2.10	Filling .....	38
<b>3</b>	<b>Controlling Screen Display .....</b>	<b>41</b>
3.1	Font Locking.....	41
3.1.1	Fontification of macros.....	42
3.1.2	Fontification of quotes .....	45
3.1.3	Fontification of mathematical constructs .....	46
3.1.4	Verbatim macros and environments .....	47
3.1.5	Faces used by font-latex.....	47
3.1.6	Known fontification problems .....	47
3.2	Folding Macros and Environments .....	47
3.3	Outlining the Document .....	51
3.4	Narrowing.....	52
3.5	Prettifying .....	52
<b>4</b>	<b>Starting Processors, Viewers and Other Programs .....</b>	<b>53</b>
4.1	Executing Commands .....	53
4.1.1	Starting a Command on a Document or Region .....	53
4.1.2	Selecting and Executing a Command.....	55
4.1.3	Options for TeX Processors .....	57
4.2	Viewing the Formatted Output .....	61
4.2.1	Starting Viewers.....	61
4.2.2	Forward and Inverse Search .....	63
4.3	Catching the errors .....	65
4.3.1	Controlling warnings to be reported.....	66
4.3.2	List of all errors and warnings .....	66
4.4	Checking for problems .....	67
4.5	Controlling the output.....	67
4.6	Cleaning intermediate and output files .....	68
4.7	Documentation about macros and packages .....	68
<b>5</b>	<b>Customization and Extension .....</b>	<b>69</b>
5.1	Modes and Hooks .....	69
5.2	Multifile Documents .....	69
5.3	Automatic Parsing of TeX Files.....	71
5.4	Language Support .....	73
5.4.1	Using AUCTeX with European Languages .....	73
5.4.1.1	Typing and Displaying Non-ASCII Characters.....	73
5.4.1.2	Style Files for Different Languages .....	74
5.4.2	Using AUCTeX with Japanese TeX .....	76
5.5	Automatic Customization.....	76
5.5.1	Automatic Customization for the Site.....	77