LaTeX Tutorial

Ian Tegebo
University of California Berkeley

October 2003

Contents

1 Text Examples 1
  1.1 Fonts . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 1
  1.2 Special Typesettings . . . . . . . . . . . . . . . . . . . . . . . . . 2

2 Formatting Space 2

3 Special Constructions 3

List of Tables

Sneak Preview

This document you’re reading shouldn’t make a whole lot of sense. You should be looking at the example.tex file and observing how the commands there get translated into the type you’re reading.

1 Text Examples

1.1 Fonts

quick brown fox
quick brown fox
quick brown fox
quick brown fox
quick brown fox
quick brown fox
quick brown fox
QUICK BROWN FOX
1.2 Special Typesettings

The polynomial \( p(t) \) splits...

Proposition 1  This is the text of my proposition.

Theorem 1 (Main Theorem)  This is the main theorem.

Check out this cool list:

1. \( M \) is complete
2. \( f \) is proper

This will be centered!

This will be underlined!

2 Formatting Space

...the following diagram.

Some text to display the amount of space.
3 Tables and Displaying Math

\[
\begin{array}{l|cccccc}
\lambda & (5) & (4,1) & (3,2) & (3,1,1) & (2,2,1) & (2,1,1,1) & (1,1,1,1,1) \\
\hline
\delta \lambda & 1 & 4 & 5 & 6 & 5 & 4 & 1 \\
\end{array}
\]

\[
\tilde{n}_j(s) = \frac{\left\{ s \sum_{i=1}^k n_i(0)p_{i,k+1}(s) + M^*(s) \right\}}{1 - s \sum_{i=1}^k p_{0i}p_i^*(s)} \sum_{i=1}^k n_i(0)p_{ij}(s) + \sum_{i=1}^k n_i(0)p_{ij}(s)[j = 1, 2, \ldots, k].
\]