

Simple L^AT_EX document

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Summary

A short document, showing some basic features of L^AT_EX.

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1 Main Section

I can make sections

With Babel I can typeset funky languages: Έρώγε γαρ γράφω.
â á à ã ä å æ ç è é

1.1 Main Subsection

I can make subsections.

1.1.1 Main Subsubsection

I can make subsubsections easily.

1.1.2 Limitations

For some reason I cannot make subsubsubsections.

1.2 Mathematics

One of the major benefits of L^AT_EX is its support for math equations. These can be like $E = mc^2$ (ie, embedded in text), or on their own

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2} \quad (1)$$

We can refer to Equation 1 and have it do cross-references for us.

Often we want an equation but don't want that number. Then you can use (note the Greek symbols),

$$\pi = \frac{c}{d}$$

Sometimes it's useful to line things up. We can do this:

$$e = \lim_{n \rightarrow \infty} \left(1 + \frac{1}{n}\right)^n \\ \approx 2.717$$

Take away the “*” to make it add numbers as before. Note that you need the `amsmath` package for `align`. Paragraphs are simply separated by a blank line. You might like to format something in math mode but in regular text, for example, $V_{\text{a very long subscript}}$ is clearer than $V_{\text{averylongsubscript}}$, where the computer considers each letter as a variable. This requires `amsmath` also.

Generally you can find whatever you're looking for online or in one of the L^AT_EX books. It automatically does bibliographies, list of figures, and list of tables. If you can think of a feature, chances are it does it.

heading 1	heading 2	heading 3
cell 1	cell 2	cell 3
cell 4	cell 5	cell 6
cell 7	cell 8	cell 9

Table 1: A boring table

Table 1 demonstrates using a table. Note that “tilde” (~) means “non-breaking space.” You can use “verb” `toformatstuffexactly` using any delimiter. Remove the “*” to use normal spaces.

L^AT_EX has powerful programming capabilities; you can define your own functions, use conditionals, etc. Read a book for details.