

L^AT_EX Fundamentals

The Very Basics

L^AT_EX – short for Lamport-T_EX, originated from Leslie Lamport – is the approach to create a more user-friendly and modern way to interact with the typesetting program T_EX of Donald Knuth (abr. for Τέχνη, *art*).

The key ideas of L^AT_EX to take away are:

- Differentiate between the *content* and the *layout*: The former is written in a plain text editor of choice and is then *given* to the professional typesetter T_EX.
- Forget your MS Word habits: L^AT_EX is capable of everything but the more you force it into special solutions, the more pitfalls will arise!

Configurations

Configurations Usually blank line, in special environments (e.g. tables) \\...

Installation

Linux	<code>apt-get install texlive-full</code>
MacOS	See goo.gl/UMzDfV
Windows	See goo.gl/Z19eiz

Bare Minimum

```
\documentclass[options]{<class>
% Configurations go here
\begin{document}
% Document goes here
\end{document}
```

Minimum Working Example

```
\documentclass[paper=a4]{scrartcl}
\begin{document}
Hello World!
\end{document}
```

Compilation:
pdflatex yourdocument.tex

Classes

<code>scrartcl</code>	Small documents, short articles/reports
<code>scrreprt</code>	Longer reports, seminar papers, smaller theses
<code>scrbook</code>	Long works like books or dissertations
<code>scrlettr2</code>	Letters

Important Options

<code>paper</code>	a4, a5, letter, ...
<code>BOCR</code>	Longer reports, seminar papers, smaller theses
<code>DIV</code>	Long works like books or dissertations
<code>fontsize</code>	8pt, 9pt, 10pt, ...