

# Summary of writing a paper with L<sup>A</sup>T<sub>E</sub>X

Cheng Fan

Li Xinlu

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## 1 Keypoints

1. `\documentclass{}` have five possible values, i.e., **book**, **report**, **article**, **slides**, **letter**.
2. The alternative inputs of `\documentclass[]` can specify the font size, twocolumn or onecolumn.
3. One or more blank lines in L<sup>A</sup>T<sub>E</sub>X means to start a new paragraph.
4. The spacing can be specified in the preamble area with the following: `\renewcommand{\baselinestretch}{Factor}`. *Factor* is defined in the following way, 1 means single-spacing, 1.25 means the traditional one and a half spacing, 1.667 means the traditional double-spacing.
5. The figures can be included one the package *graphicx* is defined in the preamble area. An example to include a figure file is as follows: `\centerline{\includegraphics{figure.jpg}}`
6. Hypertext links can be added between Table of Contents, bibliographies and page-references. It should be defined in the preamble area as follows: `\usepackage[pdftext]{hyperref}`
7. Add `\tableofcontents` after the `\maketitle{}` to create the 'Table of Contents'.

## 2 About references and citations

1. The reference to a section can be made as follows. First, add `\label{}` following the section title. Then use `\ref{}` to make reference to it, e.g., Please see section 1 for details.
2. The references are listed at the end of the file, before the `\end{document}`. Then, refer to the reference by using `\cite{}`, e.g., Some details are recorded in [1] and [2].

## References

- [1] Joe Struss, A new paper, Energy and Buildings 34 (1) (2013) 1-10.
- [2] Cheng Fan, A second paper, Applied Energy 1 (10) (2015) 2-11.