

LaTeX Submissions in the Elsevier Editorial System (EES)

If you are submitting your files using LaTeX, here are some tips and tricks you may find helpful.

Note: EES is designed to work with **LaTeX2e** files. Plain **TeX** and **AMSTeX** formats are not supported.

1. We strongly recommend that you use the style package `elsarticle.cls` to prepare your submission. `elsarticle.cls` is built into EES and does not need to be uploaded. However, if you choose to use alternative style packages (`.sty` or `.cls` files), you **must** upload those files along with your submission. If you do not, this may prevent EES from building the submission.

Note: Papers which are accepted for publication will be formatted in the standardized style of the journal by our typesetters; using `elsarticle.cls` greatly helps to streamline the production process.

2. If your **bibliography** is kept in a separate file, please upload this along with your submission.
3. If any of the files needed for your submission are kept in subfolders on your local system, please ensure that all references to these subfolders are removed from the source files before uploading to EES. In EES, all the files uploaded for a given manuscript are stored in, and compiled from, a single folder with no subfolders.
4. *elsarticle* provides a number of class options that allow formatting of the text in different ways according to what is required for your submission.
5. When uploading a manuscript as multiple files (for example, as individual sections with a separate bibliography file and additional style packages), these files should all be uploaded with the submission item type **Macro** and **Style Files**, if available, or **Manuscript**. This helps EES identify all the necessary files for the manuscript to build successfully. (Figure files which are not generated by code within the manuscript file should be uploaded with the submission item type figure.)

For Example: If you were to upload a style file with your submission and chose the item type "supplementary material", this would cause EES to exclude these files when building the submission PDF, rather than treating them as a necessary part of your manuscript.

6. For journals which use LaTeX and require line numbering, you should add the correct package (*lineno.sty*) to the document's preamble. If doing this, please ensure to turn on the line numbering feature within the manuscript file by adding `\linenumbers` into the body of the document.

7. **WYSIWYG (What You See Is What You Get)** LaTeX editors such as Scientific Word may introduce application specific codes into a LaTeX submission, which can prevent EES from building the submission PDF successfully. Removing these codes usually corrects this type of PDF build error.
8. Many journal EES sites allow file uploads from the arXiv.org server.
9. You can upload your LaTeX files to EES as a zip or tar compressed file rather than separately uploading the individual elements of the paper. The compressed file will be automatically unpacked in EES and you will have the opportunity to indicate the submission item type of each individual file. (**See 3. above regarding subfolders.**)

Further information on formatting LaTeX manuscripts can be found at:

<http://www.elsevier.com/latex>

Helpful Resources:

<http://www.ctan.org>

Math into LaTeX – An Introduction to LaTeX and AMS-LaTeX, *George Grätzer*, (ISBN 0-8176-3805-9)

LaTeX instructions page: <http://www.elsevier.com/wps/find/authorsview.authors/elsarticle>

Format Model for the Proceedings of the Combustion Institute
 (Print at 100% for correct dimensions. Use for paper length estimation only.) Use
 Times New Roman font. Numbers in parentheses give font size and line spacing.

| | | | |
|---|---|---|----------------------------|
| Trimsizes 252 mm 61 Lines 9/10 height (216 mm, 8.5 in) | 60 pt space | | |
| | Article Title (17/20) Article Title (continued)/Subtitle | | |
| | 10 pt space | | |
| | Author Names (13/15) | | |
| | 10 pt space | | |
| | <i>Affiliations (8/10)</i> <i>Affiliations (continued)</i> | | |
| | 60 pt space | | |
| | Abstract (bold) (9/10) | | |
| | 10 pt space | | |
| | Text of Abstract (9/10). Use 9 pt Times New Roman font with "Exactly" 10 pt line spacing (9/10) in the text of the abstract. Skip one 10-pt line after the Abstract heading. The abstract runs the full width of two columns. Indent paragraphs by 3/16-inch (5 mm). Skip one 10-pt line between the Abstract and the Keywords. Skip eight lines after the Keywords. (This extra blank space compensates for additional publication information to be included in typesetting.) | | |
| | 10 pt space | | |
| | <i>Keywords: (8/10)</i> | | |
| | 80 pt space | | |
| | Extra space is included here to compensate for corresponding author information and copyright information to be added on the title page before publication | | |
| | I. Introduction (bold) (9/10) | References (9/10) for the heading, (8/9) for the list | |
| | Text of manuscript (9/10). Use 9 pt font and 10 pt line spacing. Major headings are numbered and set in bold face. Skip one line after each major heading. Do not skip a line between paragraphs. | [1] Number references in the order that they appear in the text. [2] Use 8 pt font with "Exactly" 9 pt spacing for the reference list. | |
| | <i>I.2 Subheading</i> | Tables and Figures (8/9) | |
| | Subheadings are numbered and italic font. Skip one line (10 pt) before and after each subheading. | Place all tables and figures at the end of the paper. Use 8 pt font and 9 pt line spacing for text in the tables and for figure captions. Place each figure caption after the corresponding figure. Size each single-column figure such that the boundary of the <i>printed</i> area extends close to the column margins (width 67.7 mm). Size each double-column figure for legibility. Width may be less than the full 144 mm. Skip one line between figure and caption. Separate figures and tables by two blank lines. | |
| | Nomenclature (9/10) | | |
| | Nomenclature, if used, should be placed after the Introduction. Use 9 pt font and 10 pt line spacing. | | |
| | 2. Major Heading | | |
| | Skip two lines before each major heading. | | |
| | 16 pica (67.7 mm, 2.67 in) | 2 pica (8.47 mm, 0.333 in) | 16 pica (67.7 mm, 2.67 in) |

Article Title (17/20)

Article Title (continued)

Author Name(s) (13/15)

Author Affiliation(s) (8/10)

*Affiliations (continued) ... Type one complete affiliation per line.
Note formatting and spacing modifications used inside these environments.*

Abstract

Insert abstract text here. The text of the abstract is (9/10) justified and runs the full width of the two columns. Use the commands listed above to typeset the title, authors, abstract and keywords in the required format. The abstract should contain between 100 and 300 words. Keywords are formatted in the manner shown below.

Keywords: Keyword, keyword, keyword (8/10)

1. Introduction

The body of the text is (9/10) justified. The formatting definitions specified at the top of this template make minor modifications to the `article.cls` document class. The 10pt font option is specified initially. The commands `\small` and `\baselineskip 10pt` must be placed after `\begin{document}` to convert to a 9pt font size with 10pt spacing. This will eventually be done in the more traditional manner within a new document class designed specifically for the *Proceedings of the Combustion Symposium*.

Headings for Nomenclature, Acknowledgements, and References are not numbered. Do not use the `\section*` command. Instead use the definitions included with this sample template. Use the `\section`, `\subsection` and `\subsubsection` commands as usual. Include the

`\addvspace{10pt}` command after each of the section heading commands.

This template was compiled using the standard L^AT_EX 2 installation of the `texmf` package. Make sure that this sample `tex` file compiles before using it to format the paper.

1.1. Subheading

Sub-headings are automatically numbered, spaced, and set in italics as above.

1.1.1. Sub-subheading

Sub-subheading, if used, are also automatically numbered, spaced, and set in italics.

2. Page and Column Dimensions

The printed page area and column dimensions are set automatically by modifying the original dimensions in the `article.cls` package. These dimensions are listed in the preamble of the template. The total allowed paper length is 7-1/3 pages. In most cases this page length will allow slightly more than the nominal 5800 words.

3. Tables and Figures

Place all tables and figures at the end of the paper. The captions have been redefined to provide an 8 pt font size and 9 pt spacing. Do not include separate lists of table and figure captions.

Figures should be sized and aligned such that the outer edge of the printed material extends to the column boundaries. Single column figures should be sized so that the printed material has a width of 2.67 inches (67 mm). Double column figures may be sized to a maximum width of 5.67 inches (144 mm). An example table and figures are also provided below.

Acknowledgments

Use the defined acknowledgement environment here, not `\section*`. Bibtex can be implemented in the normal way. The `pci.bst` style should be used (included in this directory). After generating the `.bib` file, import it directly into the document. Note that the font and line spacing are reduced to `\footnotesize` and `\baselineskip 9pt` for the references. The font and line spacing are then toggled back to `\small` and `\baselineskip 10pt` for the tables and figures. Three example references [1–5] are provided in the bibliography section.

References

- [1] W. Mayer, H. Tamura, *Propellant Injection in a Liquid Oxygen/Gaseous Hydrogen Rocket Engine*, *Journal of Propulsion and Power* 12 (6) (1996) 1137–1147.
- [2] C. K. Westbrook, F. L. Dryer, *Chemical Kinetics Modeling of Hydrocarbon Combustion*, *Progress in Energy and Combustion Science* 10 (1) (1984) 1–57.
- [3] R. A. Yetter, F. L. Dryer, H. Rabitz, *A Comprehensive Reaction Mechanism for Carbon Monoxide/Hydrogen/Oxygen Kinetics*, *Combustion Science and Technology* 79 (1991) 97–128.
- [4] J. O. Hirschfelder, C. F. Curtiss, R. B. Bird, *Molecular Theory of Gases and Liquids*, 2nd Edition, John Wiley and Sons, Incorporated, New York, New York, 1964.
- [5] R. J. Kee, J. A. Miller, T. H. Jefferson, *Chemkin: A General-Purpose, Problem-Independent, Transportable, Fortran Chemical Kinetics Code Package*, Tech. Rep. SAND80-8003, Sandia National Laboratories (1980).

Table 1: Critical pressure and temperature of ___ and .

| | |
|----------------|---------------|
| $(J\ 30\ 1J')$ | $(2\ 0\ 1J')$ |
| $33\ K$ | $122\ K$ |

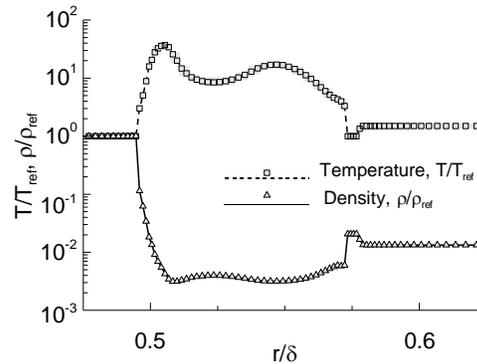


Fig. 1: Radial variation of temperature and density at an axial location of 0.03 units.