

LaTeX Template for AFMC2024 Manuscripts

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Abstract

Include a brief abstract of about 200 words.

1 Introduction

All manuscripts to be submitted to AFMC2024 must follow the template in Microsoft Word format or LaTeX format (this file). Papers that do not conform to this style will NOT be accepted. Please edit the template directly to prepare manuscripts for AFMC2024.

Manuscripts should be prepared for A4 paper size with 2-cm margins on each side. They are organised in numbered sections and subsections. Avoid having sub-subsections whenever possible. Do not change the LaTeX font settings. Section headings should in lower case with the first letter of major words capitalised.

2 Page Limits

The page limit is 6-8 pages (minimum 6 pages) for contributed papers and 12 pages for invited papers. Papers that exceed the page limits will be returned to the authors for shortening.

Include the Submission ID in the paper number shown in the header (i.e., replace ‘999’ with the Submission ID at the beginning of the LaTeX document). All pages except for the first page should be numbered.

3 Other Formatting Requirements

3.1 Title, Author and Affiliation

Please retain the LaTeX font settings. The title is in lower case with the first letter of major words capitalised. The authors’ affiliations include “Department, Institution, City, State, Postcode, Country” and are identified using superscripts. The email of the corresponding author should be given as shown by the example above.

3.2 Equations

Equations must be centred with a number flush against the right margin as in

$$\frac{\partial \bar{u}_i}{\partial t} + \frac{\partial \bar{u}_i \bar{u}_j}{\partial x_i} = -\frac{1}{\rho} \frac{\partial \bar{p}}{\partial x_i} + \nu \frac{\partial^2 \bar{u}_i}{\partial x_j \partial x_j} - \frac{\partial \tau_{ij}}{\partial x_j} = 0, \quad (1)$$

$$\frac{\partial \bar{u}_i}{\partial x_i}. \quad (2)$$

with all symbols defined in the text. It may be possible to load latex packages such as amsmath or new commands into this template, but this is not guaranteed (please embed all fonts in pdf files).

The above equations should be referred to as “eq. (1)” and “eq. (2)”, respectively. This should only be capitalised (“Eq.”) at the beginning of a sentence. Care should be taken when splitting equations up over more than one line.



3.3 Figures and Tables

Figures and tables are centred in the column of text, and the width should not exceed the width of the text column. Text in tables and figures should be no smaller than font size 10. Colour may be used in figures and tables. Figures and tables must be sequentially numbered and labelled. Figures should be referenced in the text as figure(s), only capitalised at the start of a sentence, and similarly for tables. Figures and tables are referred to as “table 1” and “figure 1(a)”. Care should be taken when reducing the size of figures. Make sure that the figure and all text labels in the figure are still legible.

Mesh	No. of Cells	C_D	C_L	St
M1	16,192	1.538	1.034	0.245
M2	64,792	1.546	1.053	0.241
M3	261,600	1.547	1.064	0.239

Table 1. The width of the table does not exceed the width of the text. The table is centred on the page.

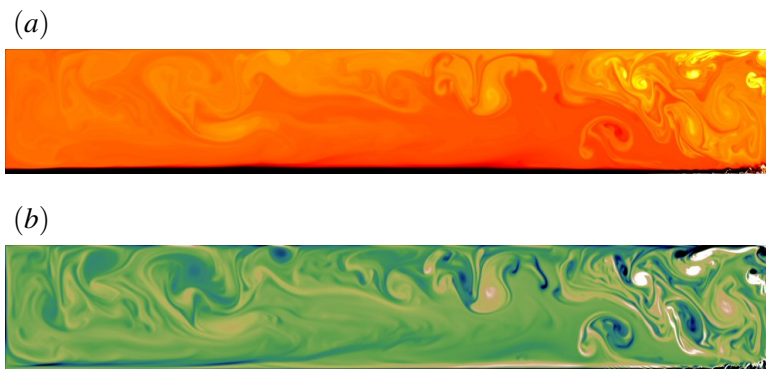


Figure 1. This figure and its caption are centred. Its width does not exceed the width of the text.

3.4 Miscellaneous

- Try to avoid isolated lines of text where, for example, a paragraph spills over a page. Often a slight rewording resolves the problem.
- Avoid wasted white space around figures or a last page that is almost empty.
- Use quotation marks correctly, as in “correct”, not ”incorrect”.
- Use a hyphen (-) for compound words (two-dimensional), an en-dash to link numbers, nouns or names (Navier–Stokes, pages 27–85), and an em-dash to link clauses or sentences—like this.
- Do not use x to represent multiplication; generally a multiplication symbol is omitted.
- Resist the temptation to use footnotes.

3.5 References

The references are listed in alphabetical order (by first author) and formatted as shown for journal articles (Cooley & Tukey, 1965), conference proceedings (McCormick, 1994), books (Goosens *et al.*, 1994) and edited books (Rosenhead, 1963) at the end of this template. Make sure you understand the distinction between `\cite` and `\citep` in Latex. All papers included in the References section must be cited in the article, and vice versa.

4 Conclusions

Include a brief conclusion section which summarises the major findings of your paper.

Acknowledgments

Any acknowledgments should appear immediately before the references.

References

- Cooley, J.W. and Tukey, J.W. 1965, An Algorithm for the Machine Computation of Complex Fourier Series, *Math. Comp.*, **19**, 297–301.
- Goosens, M., Mittlebach, F. and Samarin, A. 1994, *The L^AT_EX Companion*, Addison–Wesley.
- McCormick, S. 1994, Multilevel Projection Methodology, in *Computational Techniques and Applications: CTAC93*, editors D. Stewart, H. Gardner and D. Singleton, World Scientific, 54–57.
- Rosenhead, L. (editor), 1963, *Laminar Boundary Layers* Oxford, Clarendon Press.