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LaTeX Template for 23AFMC Manuscipts

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Abstract

Include a brief abstract here. All manuscripts to be submitted to the 23AFMC 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.

1 Introduction

The paper should be organised in numbered sections and subsections. Avoid having sub-subsections whenever possible. Section headings should be in lower case with the first letter of major words in upper case.

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.

Replace "999" with your Submission ID in the papernumber definition at the beginning of the LaTeX document.

3 Other Formatting Requirements

3.1 Title, Author and Affiliation

The title has the first letter of major words capitalised. Author 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

$$\frac{\partial \overline{u_i}}{\partial t} + \frac{\partial \overline{u_i u_j}}{\partial x_i} = -\frac{1}{\rho}\frac{\partial \overline{p}}{\partial x_i} + \nu \frac{\partial^2 \overline{u_i}}{\partial x_j \partial x_j} - \frac{\partial \tau_{ij}}{\partial x_j} = 0, \tag{1}$$

$$\frac{\partial \overline{u_i}}{\partial x_i}. \tag{2}$$

The above equations should be referred to as “equation (1)” and “equation (2)”, respectively. The word equation should only be capitalised 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, and the table is centred on the page.

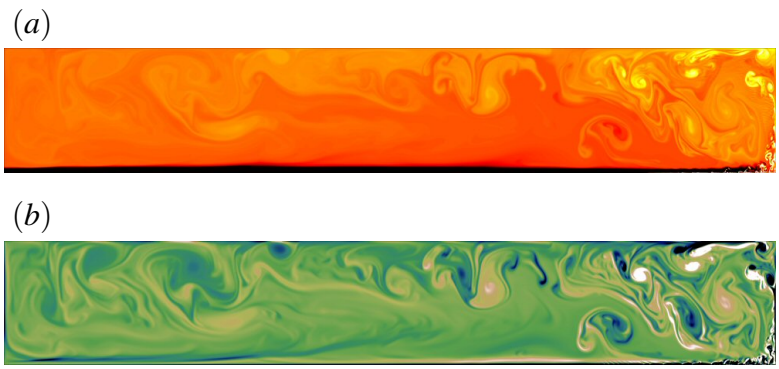

Figure 1. This figure and its caption are centred and its width does not exceed the width of the text.

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.
- Use a $\times$ to represent multiplication in text, not x.
- Resist the temptation to use footnotes.

3.5 References

The references are listed in alphabetical order (by first author) and cited as Cooley & Tukey (1965) or (Cooley & Tukey 1965). The references are to be formated exactly as shown below. All items included in the reference section must be cited in the paper and vice versa.

4 Conclusions

You should include a brief conclusion section which summarizes the results of your paper.

Acknowledgements

Any acknowledgements 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 LaTeX 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.