

LaTeX Template for 23AFMC Extended Abstracts

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1 Introduction

Non-listed papers may be submitted to the 23AFMC as extended abstracts, which must follow the template in Microsoft Word format or LaTeX format (this file). Extended abstracts should include an **Introduction**, providing a statement of the problem. The **Introduction** may also contain a brief summary of relevant literature with references to published works. The main body of the extended abstract may contain one or more Sections with properly numbered headings such as “**2. Approach**” and “**3. Results**”. Avoid having subsections in extended abstracts. Extended abstracts including references should not exceed two A4 pages and should be uploaded as PDF files for review.

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

2 Formatting Requirements

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.

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

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.



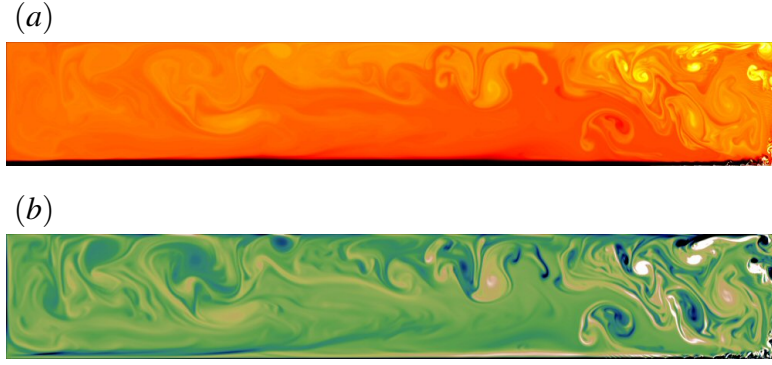


Figure 1. This figure and its caption are centred and its width does not exceed the width of the text.

3 Equations

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

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

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

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.

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 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.