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**Abstract**

Contents of the abstract. (Font: Times New Roman; Font Size: 12) The abstract provides a brief account of the important points in your paper and it allows the reader to judge whether it is worth her/him time to read the entire text. The abstract should be written so that it can be stand alone, without the full body of the text. Thus, the reader should be able to understand all the material in the abstract without reference to the main text of the accompanying paper with 150 to 250 words. It should highlight the results, methods used and conclusions obtained in the manuscript. No references shall be mentioned in the abstract. The abstract and the conclusions must be different. Four to six keywords must be mentioned so that the readers can search and download the papers.

**1.** **Introduction**

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The manuscript should be in A4 size, portrait orientation, single column with 1.15 spacing and 1” margin on each side in MS word format with Times New Roman (12 font) and justify alignment throughout the manuscript. Literature surveymust be from recent years up to 10 to 15 years before. The references must be cited properly in the body of manuscript [1] as per the journal template.

**2.** **Materials and Methods/Methodology/Approach**

This section will explain about the methods used in the research for solving/studying the problem/s.Reference should be cited at proper places in the body of manuscript by number(s) in square brackets in line with the text reported by different researchers [2, 3]. For more than two authors, it may be cited as author surname et al. [4] studied performance of refrigeration system with alternative refrigerants using mini-channel condenser.List all the references at the end of the manuscript with Times New Roman, Font 11.  References should be numbered (numbers in square bracket) in the list in the order in which they appear in the body of manuscript (not in alphabetic order).

**2.1 Sub heading**

All the lines must be numbered on each page. All the pages must be numbered as per the template. The cover page includes title, author names, affiliations, and corresponding author email.



**Figure 1.** Leading edge geometry (Font 11 TNR)

The following sequence should be followed in the body of manuscript such as Abstract, Keywords, Introduction, Materials and Methods, Results and Discussion, Conclusions, Acknowledgements, Conflict of Interest, Nomenclature if any and References. The Fig. (1) shows the power law bodies with different index.

All equations must be entered in math type equation solver and must be numbered as shown in Eq. (1)

(1)

**3. Results and Discussion**

This sectiondescribes the outcomes from the study with brief description. It is better to present the results in the graphical, tabular etc. format. The results must be validated with the current related approaches/methodologies in the specific domain of research. Table 1 shows the comparison of experimental and CFD results for power law bodies in hypersonic condition.

**Table 1** Comparison of Experimental and CFD results

|  |  |  |
| --- | --- | --- |
| Parameter | Experimental Results | CFD  Results |
| CD | 0.0005 | 0.0001 |
| CL | 0.006 | 0.001 |
| CM | 0.008 | 0.001 |

**4. Conclusions**

This section elaborates the conclusions obtained in the research study with numerical values in brief. This should not be repeated as an abstract. It should not contain any references. Standard abbreviations should be used throughout the manuscript.

**4.1 Abbreviations**

All non-standard abbreviations must be defined in the text whenever they are coming first time.

**4.2** **Nomenclature and Units**

The SI system of units should be followed for all scientific properties. The units should be places in square bracket parenthesis.

**4.3** **Tables and Figures**

Tables and figures should be placed next to the relevant text in the manuscript wherever they are expected to be in the final version of manuscript. Tables should be created with a word processor and cited consecutively in the text. To ensure the highest print quality, figures submitted should be with minimum 300 dpi. Captions/legends will be placed below for the figures and at the top for tables with 11 font size (Times New Roman). The authors are encouraged to provide colour figures/graphs etc. for better understanding to readers.

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**4.5** **Proofs and Reprints**

All the corrected and final edited manuscripts as per the **KT Journal of Mechanical Engineering (KTJME)** are sent to corresponding author for final remarks. After the confirmation from author, publication process started. All the authors can download their published papers from the KTJME website current issue or earlier issues.

**Acknowledgements**

The acknowledgments section appears after the main body of the text. The section should not be numbered. This section includes acknowledgments of help from associates and colleagues, financial support, and permission to publish the manuscript.

**References**

1. Calm, J. M., The next generation of refrigerants–historical review, considerations, and outlook, *Int. Journal of Refrigeration*, 31 (2008) 1123-1133. <http://dx.doi.org/10.1016/j.ijrefrig.2008.01.013>
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