

The Title of an Extended Abstract for IAES 2026 prepared using LaTeX

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1. INTRODUCTION

Write your introduction section here in 10 point Times New Roman, unbold. The introduction part should give the necessary background and motivation behind the work. The citations of referenced work may be bracketed [1, 2] appropriately [3].

2. MATERIALS AND METHODOLOGY

Write your texts here in 10 point Times New Roman, unbold. This part should contain the description of the computational, experimental and analytical investigations. Necessary citations may be bracketed [3] appropriately.

$$\frac{\partial u_i}{\partial x_i} = 0 \quad (1)$$

$$\frac{\partial u_i}{\partial t} + \frac{\partial(u_i u_j)}{\partial x_j} = -\frac{\partial p}{\partial x_i} + \sqrt{\frac{Pr}{Ra}} \frac{\partial^2 u_i}{\partial x_j \partial x_j} + \delta_{iy} \theta \quad (2)$$

All Figures and Tables are to be cited within the texts. Figure and Table captions must be written in 10-point Arial, bold as indicated below. Figure captions should appear at the bottom of the Figure, while Table captions should appear on the top of the Table.

3. RESULTS AND DISCUSSION

Discussion of the results is to be written here in 10-point Times New Roman, unbold. All Figures are to be cited within the text. Results obtained may be compared with published data wherever applicable, and necessary citations bracketed [1–3] appropriately.

3.1 Subtitle

Write text matter here in 10-point Times New Roman, unbold. All Figures are to be cited within the texts.

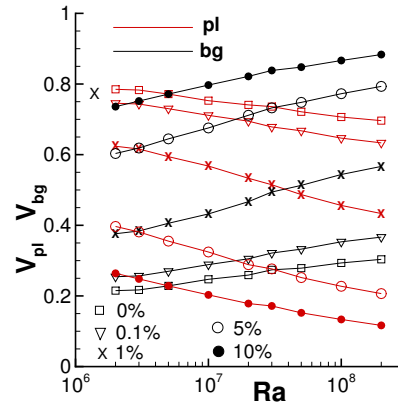


Figure 1: Variations of Y with respect to X.

Table 1: The values of the fitting parameters

$\delta(\%)$	A_{pl}	β_{pl}	A_{bg}	β_{bg}
0	0.138	-0.197	0.553	-0.269
0.1	0.115	-0.198	0.838	-0.279

REFERENCES

- [1] S. Gsell, R. Bourguet, and M. Braza, *Vortex-induced vibrations of a cylinder in planar shear flow.*, J. Fluid Mech. **825** (2017), 353–384.
- [2] R. L. Panton, *Incompressible flow*, Wiley, 2009.
- [3] H. Pascal, S. Jakirlic, and K. Hanjalic, *DNS and RANS-Modelling of In-cylinder Turbulence subjected to Axial Compression*, 3rd International Symposium on Turbulence, Heat and Mass Transfer, 2000.

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