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**Author A<sup>1</sup>, Author B<sup>2\*</sup>, Author C<sup>3</sup>, ..., Author N<sup>n</sup>**  
*\*(Do not use all capital letters for any part of any author's name)*

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**ABSTRACT**

A required 200-250 word abstract starts on this line. Leave two blank lines before "ABSTRACT" and one after. Use 10 point Times New Roman here and single spacing. The abstract highlights the main accomplishments, what is new, and how it relates to the state-of-the-art.

*Keywords: List of no more than five keywords*

**1. INTRODUCTION**

Introduce the topic of the work in this section. Use 8.5" × 11" paper size (US letter), with 1" margins on all sides. Use one blank line before and after each subsequent section's title. Most of the formatting is globally set by the specifications given in the `psa2023npichmit.cls` file. First-level section titles must be all uppercase and centered, and must be numbered in Arabic numerals as shown above. Unlike the Word template, the body text and section titles for this L<sup>A</sup>T<sub>E</sub>X template use 12-point font. We have found that the 11-point font in L<sup>A</sup>T<sub>E</sub>X more closely matched the 11-point font in Word. Introduce the topic of the work in this section.

The first line of a paragraph is not indented; rather add 6 pt spacing between paragraphs. This is done automatically in the L<sup>A</sup>T<sub>E</sub>X template.

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## 2. SECOND OR SUBSEQUENT MAJOR HEADING

This is Section 2. It is followed by a subsection, that is, 2.1. The style for subsection titles and all text in this template is defined in the `psa2023npichmit.cls` file. Make sure to **avoid widow/orphan lines**.

### 2.1. Subsection Title: First Character of Each Non-trivial Word is Uppercase

Add a blank line before and after secondary titles. Secondary titles should start flush left and are numbered as illustrated above.

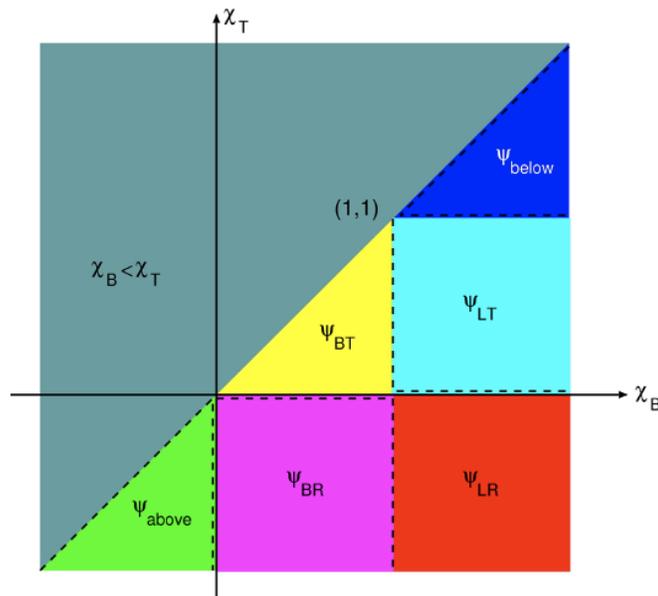
Equations, such as Eq. (1), should be centered and sequentially numbered to the flush right of the formula.

$$\text{Speedup} = \frac{1}{\frac{f}{p} + (1 - f)}, \quad (1)$$

where  $f$  and  $p$  are the variables in the equation. The equation has punctuation and the continuation of a paragraph after an equation is not indented. All paragraphs, section or subsection headings, as well as equations are separated by just one single empty line. All paragraphs, as well as section or subsection headings, are separated by a 6 pt spacing.

#### 2.1.1. Sub-subsection level and lower: only first character uppercase

Figures and tables should appear as close as possible to where they are first cited, e.g., Fig. 1, in the text. Figures are numbered in Arabic numerals, with the caption centered below the figure, in **boldface**.



**Figure 1: Sample figure. Color is permitted but must be readable if printed in gray scale.**

When importing figures or any graphical image please verify two things:

1. Any number, text or symbol is in Times font and is not smaller than 10-point after reduction to the actual window in the paper,
2. That it can be translated into PDF.

Tables, such as Table I, are numbered in Roman numerals, with the caption centered above the table, in **boldface**. Use two blank lines before and after the table.

See Table 1 for a sample table. The “tbls” package is recommended for improved row and column spacing. Notice the caption appears above the table by setting the `\caption` command immediately after the `\begin{table}`.

**Table 1: Sample table: Accuracy of nodal and characteristic methods.**

Mesh	$8 \times 8$	$16 \times 16$	$32 \times 32$
Nodal	$1.000 \cdot 10^{-1}$	$2.500 \cdot 10^{-2}$	$6.250 \cdot 10^{-3}$
Charecteristic	$1.000 \cdot 10^{-1}$	$2.500 \cdot 10^{-2}$	$6.250 \cdot 10^{-3}$

Use SI Units (in parentheses, not square brackets). Conventional (non-SI) quantities may follow parenthetically if the author desires. Watch the number of significant digits.

### 3. CONCLUSIONS

Present the summary and conclusions here.

### NOMENCLATURE

If variables are extensively used in the text, a Nomenclature section would be helpful to the readers.

### ACKNOWLEDGEMENTS

Acknowledge the help of colleagues and sources of funding, as appropriate.

**As an example:** The format for this template was adapted from the L<sup>A</sup>T<sub>E</sub>X template for the M&C 2023 conference template.

### REFERENCES

- [1] B. Author(s), “Title, using capitalization” *Journal Name in Italic*, **Volume in Bold** (followed by the issue number in parentheses if known, see Ref. 5 below), pp. 34-89 (2001).
- [2] C. D. Author(s), “Article Title,” *Proceedings of Meeting in Italic*, Location, Dates of Meeting, Vol. n, pp. 134-156 (2017).
- [3] E. Author, *Book Title in Italic*, Page or Chapter Numbers, Publisher, City & Country (2020).
- [4] “Spallation Neutron Source: The next-generation neutron-scattering facility for the United States,” [http://www.sns.gov/documentation/sns\\_brochure.pdf](http://www.sns.gov/documentation/sns_brochure.pdf) (2002).
- [5] A. Author and G. Author, “Title” *Nuclear Technology*, **146** (3), pp. 257-273 (2009).

### APPENDIX A

If necessary, include Appendices numbered in upper case alphabetical order.

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