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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 12 point Times New Roman here and single (10 point) spacing. The abstract is a very brief summary highlighting the purpose, the method, and the main results of the work described in the paper.

**KEYWORDS:** List of at most five key words

**1. INTRODUCTION**

Paper starts here with two blank lines before first section title. Use 8.5 x 11 paper size, with 1" margins on all sides. Leave a blank line before and after each subsequent section's title. Section titles have style “Heading 1”, are 12 point font, must be all uppercase and centered, and must be numbered in Arabic numerals as shown above. The heading shown at the top of this page must be used on the first page of each paper, but not on subsequent pages. Use singled-spaced, single-column, left-justified typing. Do not indent the first line of a paragraph; rather double-space between paragraphs. Introduce the topic of your work in this section.

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\* Footnote, if necessary, in Times New Roman font and font size 9

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

Double-space before and after secondary titles. Secondary titles should start flush left, and are numbered as illustrated above.

Equations should be centered and sequentially numbered in Arabic numerals to the flush right of the formula.

$$\partial_x U_k + \partial_x F_k(U) = \partial_x K U_k^{\frac{3}{2}} \partial_x U_k \quad (1)$$

Refer to the above equation as Eq. 1 in the text, without parentheses.

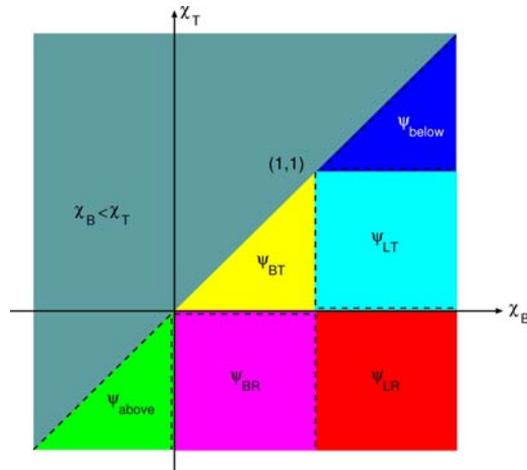
The continuation of a paragraph after an equation is not indented. All paragraphs, as well as section or subsection headings, are separated by just one single empty line.

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Figures and tables should all carry a title, be consecutively numbered, and appear as closely as possible to where they are first cited, e.g. Fig. 1, in the text. Figures include graphs, illustrations and photographs. They should be numbered in Arabic numerals, with the caption centered below the figure, in **boldface**. Leave two blank lines before the figure, and after the figure caption.

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**Figure 1. Sample figure.**

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

**Table I. Sample table: accuracy of nodal and characteristics methods**

<b>Mesh size</b>	<b>8 x 8</b>	<b>16 x 16</b>	<b>32 x 32</b>	<b>64 x 64</b>
<b>Nodal</b>	$1.000 \cdot 10^{-1}$	$2.500 \cdot 10^{-2}$	$6.250 \cdot 10^{-3}$	$1.563 \cdot 10^{-3}$
<b>Characteristics</b>	$1.000 \cdot 10^{-1}$	$2.500 \cdot 10^{-2}$	$6.250 \cdot 10^{-3}$	$1.563 \cdot 10^{-3}$

All measurements and data should be given in metric (SI) units, with exceptions for eV and barns.

Abbreviations should be spelled out and enclosed in parentheses in their first usage in the text. For example, “American Nuclear Society (ANS).”

### **3. CONCLUSIONS**

Present your summary and conclusions here.

## ACKNOWLEDGMENTS

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## REFERENCES

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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).

## APPENDIX A

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

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