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# ABSTRACT

Use 8.5 x 11 paper size, with 1" margins on all sides. A required 200-250 word abstract starts on this line. Leave two blank lines before “ABSTRACT” and one after. Use 11 point Times New Roman here and single (11 point) spacing. The abstract is a very brief summary highlighting main accomplishments, what is new, and how it relates to the state-of-the-art.

# KEYWORDS

List of at most five key words

# INTRODUCTION

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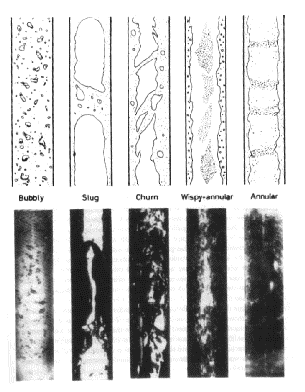
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**Figure 1. Sample Figure.**

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

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Mesh** | **8 x 8** | **16 x 16** | **32 x 32** | **64 x 64** |
| **Nodal** | 1.000x10-1 | 2.500x10-2 | 6.250x10-3 | 1.563x10-3 |
| **Characteristic** | 1.000x10-1 | 2.500x10-2 | 6.250x10-3 | 1.563x10-3 |

Use SI Units. Conventional (non-SI) quantities may follow parenthetically if the author desires.

# CONCLUSIONS

Present your summary and conclusions here.

# NOMENCLATURE (IF NEEDED)

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

# ACKNOWLEDGMENTS

This template was adapted from the template for M&C + SNA 2007 posted on the Internet. Acknowledge the help of colleagues, and sources of funding, if you wish.

# REFERENCES

*List references here, according to their first use in the paper. Do not include these sentences in the full paper.*

1. B.C. Author(s), “Title of the Journal Paper,” *Journal Name in Italic*, **Volume in Bold** (followed by the issue number in parentheses if known, see Ref. 5 below), pp. 34-89 (2007).
2. D.E. Author(s), “Article Title,” *Proceedings of Meeting in Italic*, Location, Dates of Meeting, Vol. 31, pp. 134-156 (2012).
3. F.G. Author, *Book Title in Italic*, Page or Chapter Numbers, Publisher, City and Country (1995).
4. “NEAMS Update,” http://www.ne.anl.gov/pdfs/NEAMS/NEAMSQuarterlyReport10-2014.pdf (2014).
5. M. Ishii and S. Kim, “Development of One-group and Two-group Interfacial Area Transport Equation,” *Nucl. Sci. Eng.* **146**(3), pp. 257-273 (2004).
6. R.P. Martin and C. Frepoli, “Physical Systems for Regulatory Investigation: Part II Evaluation Methodology,” *Proceedings of 2014 International Topical Meeting on Advances in Thermal Hydraulics (ATH’14)*, Reno, Nevada, June 15–19, 2014 pp. 15-24 (2014).
7. S. Glasstone and W.H. Jordan, *Nuclear Power and Its Environmental Effects*, pp. 50, American Nuclear Society, La Grange Park, Illinois, USA (1980).

# APPENDIX A

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

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