

The Title Must Represent The Contents Of The Manuscript (maximum 14 words) (Times New Roman 18, Capitalize Each Word, Bold, Center)

^{1*}First Author, ²Second Author, ³Third Author (Bolt, 11pt)

^{1,2}Affiliation (10pt)

³Affiliation

¹Email, ²email, ³email

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ABSTRACT

Basic guidelines for the preparation of technical papers for Nucleus Journal Publications are presented. This document itself is an example of the desired layout (including this abstract) and can be used as a template. It contains information regarding desktop publishing format, font size, and typeface. Style rules are provided that describe how to handle equations, units, figures, tables, abbreviations, and acronyms. Sections are also devoted to the preparation of acknowledgments, and references. Abstracts are limited to 150-250 words and should not contain equations, figures, tables, or references. The abstract should concisely state what has been done, how it was done, the main results, and their significance. (Times New Roman, 10pt)

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Corresponding Author:

Name (Bolt, 10pt)

Affiliasi,

address

Email:

I. INTRODUCTION (BOLT, 11 PT)

This document is an example of the desired layout for a Nucleus Journal. It contains information regarding desktop publishing format, type sizes, and typefaces. Style rules are provided that explain how to handle equations, units, figures, tables, abbreviations, and acronyms. Sections are also devoted to the preparation of acknowledgments, references, and authors' biographies. (11 pt)

II. METHODS

Provide a detailed enough method for possible reproduction of the work. The method has been published and must be shown with reference: only relevant modifications should be explained.

Explanation short about meaning and significance from table - Method experimental can supported with a flowchart, which shows with clear process and complete with legend, scale / dimensional If required .

Ensure that the work can be repeated according to the details provided. It contains the technical information of the study presented clearly. Therefore, readers can conduct research based on the techniques presented in this study. Material and equipment specifications are necessary. The approaches or procedures of the study, together with the data analysis methods, must be presented. Explain using Sub; Instrument, Data Collection, Data Analysis

Please use automatic hyphenation and check your spelling. Additionally, be sure your sentences are complete and that there is continuity within your paragraphs. Check the numbering of your graphics (figures and tables) and make sure that all appropriate references are included.

2.1. Template

This document may be used as a template for preparing your paper. You may type over sections of the document, cut and paste into it, and/or use markup styles.

2.2. Format

If you choose not to use this document as a template, prepare your technical work in single-spaced, single-column format, on A4 paper 21×29.7 centimeters. Set top and bottom margins to 3 centimeters and left and right margins to about 3 centimeters. Do not violate margins (i.e., text, tables, figures, and equations may not extend into the margins). The column width is 15 centimeters. Paragraph indentation is 0.42 centimeters. Use full justification. Use either one or two spaces between sections, and between text and tables or figures, to adjust the column length.

2.3. Typefaces and Sizes

Use a proportional serif typeface such as Times Roman or Times New Roman and embed all fonts. Table I provides samples of the appropriate type sizes and styles to use.

2.4. Section Headings

A primary section heading is enumerated by a Roman numeral followed by a period and is centered above the text. A primary heading should be in capital letters.

A secondary section heading is enumerated by a capital letter followed by a period and is flush left above the section. The first letter of each important word is capitalized and the heading is italicized.

A tertiary section heading is enumerated by an Arabic numeral followed by a parenthesis. It is indented and is followed by a colon. The first letter of each important word is capitalized and the heading is italicized.

A quaternary section heading is rarely necessary, but is perfectly acceptable if required. It is enumerated by a lowercase letter followed by a parenthesis. It is indented and is followed by a colon. Only the first letter of the heading is capitalized and the heading is italicized.

Table I. Samples of Times Roman Type Sizes and Styles		
Point Size	Purpose in Paper	Special Appearance
8	Author affiliation, all captions, table text, figure text, subscripts, biographies	
9	Abstract, keywords	
10	Body text, equations	
11	Author Name	
24		Title

2.5. Figures and Tables

Figure axis labels are often a source of confusion. Try to use words rather than symbols. As an example, write the quantity “Magnetization,” or “Magnetization, *M*,” not just “*M*.” Put units in parentheses. Do not label axes only with units. As in Fig. 1, write “Magnetization (kA/m)” or “Magnetization (kA·m⁻¹),” not just “kA/m.” Do not label axes with a ratio of quantities and units. For example, write “Temperature (K),” not “Temperature/K.” Figure labels should be legible, approximately 8- to 10-point type.

The Graphics Analyzer Tool enables authors to pre-screen their graphics for compliance with this Journals standard before submission.

To insert images in Microsoft Word, position the cursor at the insertion point and either use Insert | Picture | Insert Picture from File or copy the image to the Windows clipboard and then use Home | Paste | Paste Special | Picture. All figures and tables must be in place in the text near, but not before, where they are first mentioned.

Large figures and tables may span both columns, but may not extend into the page margins. Figure captions should be below the figures; table captions should be above the tables. Do not put captions in “text boxes” linked to the figures. Do not put borders around your figures. Use “Figure 1,” even at the beginning of a sentence.

2.6. Numbering

Number reference citations consecutively in square brackets [1]. The sentence punctuation follows the brackets [2]. Multiple references [2], [3] are each numbered with separate brackets [1]-[3]. Refer simply to the reference number, as in [3]. Do not use “Ref. [3]” or “reference [3]” except at the beginning of a sentence: “Reference [3] shows....”

Number footnotes separately with superscripts (References | Insert Footnote). Place the actual footnote at the bottom of the column in which it is cited. Do not put footnotes in the reference list. Use letters for table footnotes.

Check that all figures and tables are numbered correctly. Use Arabic numerals for figures and Roman numerals for tables.

Appendix figures and tables should be numbered consecutively with the figures and tables appearing in the rest of the paper. They should not have their own numbering system.

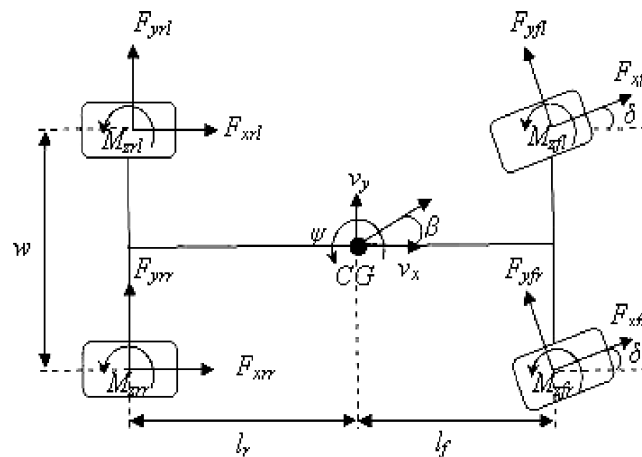


Figure 1. Vehicle Handling Model (Font 10)

2.7. Units

Metric units are preferred for use in this publication in light of their global readership and the inherent convenience of these units in many fields. In particular, the use of the International System of Units (Système International d'Unités or SI Units) is advocated. This system includes a subsystem of units based on the meter, kilogram, second, and ampere (MKSA). British units may be used as secondary units (in parentheses). An exception is when British units are used as identifiers in trade, such as 3.5-inch disk drive.

2.8. Abbreviations and Acronyms

Define fewer common abbreviations and acronyms the first time they are used in the text, even after they have been defined in the abstract. Abbreviations such as IEEE, SI, MKS, CGS, ac, dc, and rms do not have to be defined. Do not use abbreviations in the title unless they are unavoidable.

See Appendix A of the Author's Kit for additional information and standard abbreviations.

2.9. Math and Equations

Use either the Microsoft Equation Editor or the *MathType* commercial add-on for MS Word for all math objects in your paper (Insert | Equation or MathType Equation).

To make your equations more compact, you may use the solidus (/), the exp function, or appropriate exponents. Italicize Roman symbols for quantities and variables, but not Greek symbols. Use a long dash rather than a hyphen for a minus sign. Use parentheses to avoid ambiguities in denominators.

Number equations consecutively with equation numbers in parentheses flush with the right margin, as in

(1). Be sure that the symbols in your equation have been defined before the equation appears or immediately following.

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a} \quad (1)$$

where I_F is the fault current.

Use “(1),” not “Eq. (1)” or “equation (1),” except at the beginning of a sentence: “Equation (1) is”

III. RESULT AND DISCUSSION

Well-prepared tables and figures must be a significant feature of this section, because they convey the major observations to readers. Any information provided in tables and figures should not be repeated in the text, but the text should focus on the importance of the principal findings of the study. In general, journal papers contain three to seven figures and tables. The same data cannot be presented in the form of tables and figures.

The results of the study are discussed to address the problem formulated, objectives, and research hypotheses. It is highly suggested that discussion be focused on the why and how of the research findings and to extend to which the research findings can be applied to other relevant problems.

IV. CONCLUSIONS

Provide a statement that what is expected, as stated in the "Introduction" chapter can ultimately result in "Results and Discussion" chapter, so there is compatibility. Moreover, the prospect of the development of research results and application prospects of further studies can be added to the next section (based on the results and discussion).

V. ACKNOWLEDGMENT (IF ANY)

The following is an example of an acknowledgment. (Please note that financial support should be acknowledged in the unnumbered footnote on the title page.)

The authors gratefully acknowledge the contributions of I. X. Austan, A. H. Burgmeyer, C. J. Essel, and S. H. Gold for their work on the original version of this document.

VI. REFERENCES

References or bibliography MUST be written using Reference Manager Software, such as Mendeley with IEEE format, Cambria font size 10. References used are national or international scientific journals, the latest books, research results, proceedings, research reports, or patents for at least the last five years.

Expect a minimum of 25 references, primarily with a minimum of 80% journal papers. Use the "Insert Citation" button to add citations to this document. Please use the IEEE citation style and reference manager (such as Mendeley or Zotero).