
Journal of Microwave Power and Electromagnetic Energy

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INSTRUCTIONS FOR SUBMISSION OF MANUSCRIPTS

PREPARATION OF THE MANUSCRIPT

Manuscripts should be written in clear, concise English and should be condensed as much as possible, compatible with overall clarity. Please use the attached Style Guide as a reference when preparing the manuscript for submission.

Submit the following items to:
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A. General Formatting Guidelines

TEXT SPECIFICATIONS

Use 12-point Times, Times New Roman or Symbol (when appropriate) fonts ONLY. Do NOT use graphic representations of special characters (e.g., Greek characters, math symbols, etc.) in the body of the text unless the characters can be entered using the Symbol font or other character rendering.

HEADINGS

Use capitals, bold and left-justified.
Subheadings: Use title case, left-justified, bold and italicized.
Sub-subheadings: Italicize and underline.

UNITS

Convert all units of measure to SI (Système Internationale).

EQUATIONS

Please use MathType or Equation Editor to create complex equations. The following specifications should be followed:

- 12-point fonts should be used, with 10-point super- and sub-scripts.
- Variables should be italicized, e.g. X_a ,

- Matrices and vectors should be bold, e.g. $E(x,y,z)$ or $E(r)$.
- Vector calculus: Use $\nabla \cdot V$ rather than $\text{div}(V)$ and $\nabla \times E$ rather than $\text{curl}(E)$ or $\text{rot}(E)$.
- Mathematical functions should be formatted using the following examples: $\log_{10}\{\textit{argument}\}$, $\sin(\theta)$ and $\tan(\varphi)$.

FIGURES

Save each figure separately as a high-resolution image (.eps, .pdf, .jpg, .psd, .gif and .tif). The following guidelines should be used:

- Lettering should be no smaller than 10 points.
- Lines should be no thinner than 0.5 point.
- Avoid using complex textures and shading.

Color photographs and artwork will be included in the online version of the Journal. All images will be rendered in greyscale for print production.

B. Manuscript Composition

TITLE

Provide a brief and informative title to assist in the classification and indexing of the paper. Avoid uninformative titles such as “Studies on ...”.

BYLINE

List full names of all authors, followed by institutional affiliations of all authors. Do not abbreviate or use footnotes to denote affiliations.

ABSTRACT

An abstract of not more than 250 words should sufficiently present the problem, experimental approach, major findings and conclusions. It should be self-explanatory and suitable for reproduction by abstractive services. If a reference must be cited, complete publication data must be given [White, R. H. (1982) JMPEE 21, 4271-4275].

KEY WORDS

List the key words that an interested party would use to locate your paper if searching through a reference guide.

INTRODUCTION

The introduction should state the purpose of the investigation and its relationship to other work in the field. While extensive reviews of the literature should be avoided, adequate background should be provided to establish the state of the art in the subject area, and how the present work advances the state of the art. The foundational physical principles of the subject area should also appear in this section.

METHODS

Derivations: The framework of the assumptions must be described and justified in detail. An adequate number of intermediate steps must be provided in any derivation to fully support the mathematical deductions obtained. Details published elsewhere should be summarized and cited.

Numerical model studies: It is necessary to describe the foundational physical relationships used in the model (e.g. Helmholtz), the type of model (e.g. quasi-static) and the type of numerical method used (e.g. FDTD) in sufficient detail to allow duplication of the results. All parameters of the model space geometry (e.g. spacing) and the numerical solution (e.g. convergence criteria) must be specified. Any post processing calculations used for data display must be described. All physical properties used in the calculations must be clearly stated with references for their source and justification of the choice of values used.

Experimental studies: The materials and methods should be described in sufficient detail to enable others to repeat the experiments. All methods of calibration must be described, along with some indication of the overall accuracy and repeatability in the measurements. Heating experiments must include a description of the heated object in terms of its dimensions and its mass or volume. Some estimate of the applied power is also required.

Novel procedures should be described in detail, but procedures previously published should be summarized and cited. Whenever hazardous materials or dangerous procedures are utilized, the necessary precautions should be stated.

RESULTS

The results should be presented concisely. As a rule, interpretation of the results should be reserved for the Discussion.

DISCUSSION

The purpose of the discussion is to interpret the results and to relate them to existing knowledge in the field. Be clear and concise, avoiding any personal polemics. Information given elsewhere in the manuscript should not be repeated.

ACKNOWLEDGMENT(S)

Acknowledgments should include financial support, technical assistance, advice from colleagues, gifts, etc. Prior permission must be obtained from persons whose contribution to the work is acknowledged in the manuscript.

REFERENCES

References should clearly identify the original contributor to the work being cited. **References are to be listed by last name of the first author, alphabetically.** Multiple publications in a single year by an author are indicated alphabetically by sequence of reference in the manuscript – (i.e. 1998a).

References should be written as follows: Author's last name, first name, additional authors (year published). "Title of Paper/Chapter." Source

(underline if source is a book, use italics for journals and proceedings). Publisher (for books only). Volume number (issue), pp.x-xi.

Papers that are in preparation or have been submitted but not yet accepted should be cited in the text as unpublished experiments. The author must obtain written permission to cite the unpublished work of others or to use material taken directly from a copyrighted publication.

TABLES

Use tables only when the data cannot be presented clearly otherwise. Tables should be created using a word processors table format feature. Tables should be numbered consecutively, and have a brief title. All units of measure should be clearly indicated. Explanatory material referring to the entire table is to be included as a footnote following the last line of the table.

FIGURES

Figures should be used only to document experimental results/methods that cannot be adequately described in the text. The same data should not be presented in more than one figure or table(s). Figures used in previous publications may be included providing they are adequately cited and permission is obtained. Legends should be written in 10-point font. Include the figure number and a description. It should be understandable without reference to the text and should not include new material. Explain all symbols and abbreviations used.