International Journal of Thermodynamics (IJoT)*(8 pt Arial Bold)* Vol. xx (No. x), pp. xxx-xxx, 20yy

**ISSN 1301-9724 / e-ISSN 2146-1511 doi: 10.5541/ijot.PID**

**https://dergipark.org.tr/en/pub/ijot Published online: Mmm dd, 20yy**

***Research Article*** *(Submission Type: Research/Review/…)*

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**General Information for Authors** *(Paper Title: 14 pt and Mixed Case)*

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Received 16 May 2016, Revised 13 July 2016, Accepted 14 July 2016

**Abstract** *(Bold, indent left and right margins 0.5 cm)*

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The abstract should be short and approximately 200 words. The format is a single column using 10 pt Times New Roman font, left and right margins indented 0.5 cm, single spacing, and justified.

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***Keywords:*** *Keyword 1; keyword 2; keyword 3; keyword 4.**(italics, indent left and right margins 0.5 cm, the title “Keywords:” is bold, while the actual keywords are not bold. Capitalize the 1st keyword but not subsequent keywords. Separate words by a semi-colon and conclude with a period.)*

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**1. Aims and Scope** *(Headings: Bold, full justified)*

The purpose and scope of the International Journal of Thermodynamics is to provide a forum for the publication of original theoretical and applied work in the field of thermodynamics as it relates to systems, states, processes, and both non-equilibrium and equilibrium phenomena at all temporal and spatial scales. The journal, thus, provides a multidisciplinary and international platform for the dissemination to academia and industry of both scientific and engineering contributions, which touch upon a broad class of disciplines that are foundationally linked to thermodynamics and the methods and analyses derived there from. A common thread throughout is that of assessing how both the first and particularly the second laws of thermodynamics touch upon these disciplines.

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**2. Paper Organization and Format**

**2.1 Length and Organization**

Papers should not exceed 8-10 pages and should be structured as follows: Abstract; Introduction; Methodology or similar; Results or similar; Conclusions; Acknowledgements; Nomenclature; and, References.

**2.2 Fonts and Dimensions**

The primary dimensions for the paper are summarized in Table 1. A two-column format is used for the body. Times New Roman with 10 pt font should be used throughout the body of the paper except for the header, title, author names, and footer as noted. The body should be single spaced and justified. The first line of all paragraphs should be indented 0.5 cm and single spacing between all paragraphs should be used.

**2.3 Tables and Figures**

All tables and figures must be of high quality, legible, and make good use of horizontal and vertical space. All table and figure titles are in italics and conclude with a period as shown in Table 1 and Figure 1. Single line titles are centered while multi-line titles are justified. In the body of the paper, refer to figures and tables using the full word “Table 1” and “Figure 1.” All figures and tables must fit within the margins and should not include borders. Large figures and tables can span both columns and must be at the top or bottom of a page. Font sizes of 8 or 10 are appropriate for figures and tables. It is important that all text in Figures and Tables be legible. See Section 3.4 Use of Color for information about color figures. Figures printed in grayscale for the print paper and in color for the online paper should include “*(Figure is in color in online version of paper)”* in the titleas shown in Figure 1.

*(← Blank line between body and table →)*

*Table 1. Dimensions for IJoT Papers.*

|  |  |
| --- | --- |
| Dimension | Value |
| Paper | A4 (21 cm x 29.7 cm) |
| Margins (Top, Bottom, Left, Right) | 1.5 cm |
| Gutter | 0.50 cm |
| Column Width | 8.5 cm |
| Space between columns | 0.5 cm |
| Header | 1 cm |
| Footer | 1 cm |
| Paragraph Indentation (First line) | 0.5 cm |
| Multiple pages setting | Mirror pages |

*(← Blank line between tables →)*

*Table 2. Formatting for Equations.*

|  |  |  |
| --- | --- | --- |
| **Font Size (pt)** |  | **Font Style** |
| Full | 10 |  | Variable | Times New  |
| Subscript / |  |  |  |  Roman (*Italics*) |
|  Superscript | 7 |  | Number, Text,  |   |
| Sub-subscript / |  |  |  Function, Matrix, | Times New  |
|  Super-superscript | 6 |  |  Vector |  Roman (Plain) |
| Symbol | 14 |  | L.C. and U.C. Greek | Symbol |
| Sub-Symbol | 10 |  | Symbol | Symbol (**Bold**) |

*Figure 1. Sample figure (Figure is in color in the on-line version of the paper).*

*(← Blank line between figure and body →)*

**2.4 Equations**

All equations should be formatted as in Table 2. Equations are left justified and have a right justified equation number in parenthesis. Justify all equation numbers using a right justified tab; do not use left justified tabs, spaces, or tables. Within the body, refer to specific equations using the abbreviation “Eq. (1)”, “Eqs. (2), (4) and (5)” and “Eqs. (2)-(5)”.

A sample equation is

*(← Blank line between body and equation →)*

 (1)

*(← Blank line between equations or equation and body →)*

where *V*, *m*, *t* and *p* are variables, R is a constant, and T is a function. If an equation is too long to fit on a single line, continue the equation on the next line.

**2.5 Use of Color**

All IJoT issues are published in both hardcopy and online versions. Unless the author pays for color publishing costs, the hardcopy version will be in grayscale while the online version will be in color. See Section 2.3 Tables and Figures for instructions on how to include grayscale figures for the hardcopy and color figures for the online paper.

**2.6 Citation and References**

Starting with the March 2014 issue, all papers published in IJoT must follow the IEEE Citation and Reference Style [1]. Specific reference examples are as follow: journal article [2]; journal article with doi [3]; book [4]; conference article [5]; dissertation [6]; and online resource [1]. Detailed reference formats for other types of sources are readily available on the web; e.g, [1].

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**3. Publishing in IJoT**

**3.1 Costs**

IJoT does not charge any authors fees unless the author requests the hardcopy version of their paper be printed in color. See Section 2.5 Use of Color for more information. As an Open Access Journal, all IJoT papers are freely available on the web, which increases the impact of papers published in IJoT.

**3.2 File Types Supported**

**Word:** IJoT fully supports submissions in Word.

**LaTex:** The IJoT editorial staff is currently developing LaTex publishing capabilities. A draft of a LaTex template can be made available to authors using LaTex. However, until this template is complete authors using LaTex are expected to provide a publishable pdf file of their paper formatted according to IJoT standards.

**Other:** IJoT can support other file types to the extent that authors do all the formatting and supply a publishable pdf file of their paper formatted according to IJoT standards.

**3.3 Submission**

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**3.4 Review**

Papers are sent to at least three reviewers. At least two consistent reviews are required before the review process can be concluded.

**3.5 Publishing**

IJoT reserves the right not to publish any accepted paper that is not properly formatted and edited, including for proper English. While IJoT will work with the authors to prepare their papers, ultimately the authors take primary responsibility for formatting their paper according to these guidelines and editing for proper English. Authors are requested to pay special attention to the following, as these are the most common problems that delay publication of papers:

1. Not following the Citation and Reference requirements in Section 2.6;
2. Not providing Tables and Figures of sufficient quality as detailed in Section 2.3.

Each paper is assigned a unique Digital Object Identifier (doi). By assigning a paper a doi, the paper becomes integrated into a larger web of doi enabled sources, making it easier for other researchers to find relevant papers published in IJoT and therefore increasing the impact of papers published in IJoT.

**Acknowledgements:**

*(List any acknowledgments here.)*

**Nomenclature**

*(The nomenclature should include definitions and appropriate SI (metric) dimensions for the variables used. Acronyms should also be placed in alphabetical order.)*

**Appendix**

**References:**

[1] IEEE *IEEE Citation Reference* [Online]. Available: <http://www.ieee.org/documents/ieeecitationref.pdf> (accessed Aug. 5, 2013).

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