Instructions for Authors for Preparation of Full Manuscript for Advanced Experimental Mechanics

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**1. Introduction**

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##### Heading categories

* **Main Sections** (type in **bold** capitals)
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**2. Organization of Text**

A short abstract not more than **10** lines should briefly state the aim, methods and results as a paragraph. Define abbreviations and acronyms the first time they are used. Footnotes should be avoided wherever possible.

##### 2.1 Structure of manuscript

Manuscripts should have the following structure: Title, Name(s) of author(s) and affiliation(s), Abstract, Main Text, Conclusion(s), Nomenclature, Acknowledgement(s) (if any), References, and Appendix (if any) .

##### 2.1.1 *Formatting*

For formatting the page of an **A4**-sized manuscript, set the top margin to 22 mm, the bottom margin to 28 mm, and the left and right margins to 17 mm. The column width should be 83 mm, and the space between the two columns should be 10 mm. Justify both columns.

##### 2.1.2 *Fonts*

Title: 11-point bold Times New Roman

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Main text: 10-point Times New Roman

##### 2.1.3 *Units and equations*

All data should be given in **SI units**. Align each equation to the left, allow **single spacing** above and below, and indent by 5 mm as follows:

$\frac{∂^{2}T}{∂x^{2} }+ \frac{∂^{2}T}{∂y^{2} } = \frac{1}{k}\frac{∂T}{∂t}$ (1)

In the text, equations should be referred to as Eq. (1), Eq. (2), and so on; however, at the beginning of a sentence, the word should be spelled out (Equation (1), Equation (2), and so on ). Equations must be sequentially numbered, and the number should be placed inside parentheses at the right-hand edge of the text.

##### 2.2 Tables

In the text, tables should be referred as Table 1, Table 2, and so on; they should be presented as part of the text, but in such a way as to avoid confusion with the text. The table captions should be self-contained and placed *above* each table. Units in tables should be given in square brackets, e.g., [mV].

Table 1 Caption of table

|  |  |  |
| --- | --- | --- |
| Retardation [nm] | Fringe order | Observed color |
| 0 | 0 | Black |
| 400 | 0.73 | Yellow |
| 650 | 1.19 | Blue |

##### 2.3 Figures

Figures should be referred to as Fig. 1, Fig. 2, and so on in the text; however, at the beginning of a sentence, the word should be spelled out. Figure should also be presented as part of the text, leaving enough space so that the caption will not be confused with the text. Figure captions should be self-contained and placed *below* each Figure. Generally, only original drawings or photographic reproductions are acceptable. Half-tone pictures should be in the form of glossy prints. If possible, please include your figures as graphic images in the electronic version. For best quality the pictures should have a resolution of 300 dpi (dots per inch). If possible, please fit figures, tables, and photographs in one column. Do not reduce figures or tables to a size at which their labels will be difficult to read. References are cited in the text using square brackets. Two or more references at a time may be used in one set of brackets; [1, 2] or [3–9]. The reference style for each type of citation is given at the end of this template.



Fig. 1 Relation between correlation coefficient and location of point: note that axis labels should be legible



Fig. 11 Comparison between measured true tensile stress-plastic strain curves and Ludwik relations for base material and FS weld B in transverse(T) direction

Fig. 2 Comparison between measured true tensile stress-plastic strain curves and Ludwik model predictions for base material and FS weld B: note that axis labels should be legible

**3. Conclusions**

We can summarize the instructions for authors as follows:

Fig. 11 Comparison between measured true tensile stress-plastic strain curves and Ludwik relations for base material and FS weld B in transverse(T) direction

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2. Authors are strongly advised to read these instructions to rigorously follow the outline of this text as well as the reference styles for citation.

**Nomenclature** (in alphabetical order)

*c*p specific heat [J/kgK]

*h* heat transfer coefficient [W/m2K]

*ρ* density [kg/m3] (in Greek alphabetical order )

Subscripts (in alphabetical order)

*f* surrounding fluid

*m* mean

##### Acknowledgment

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[9] ImageJ download directory:　https://imagej.nih.gov/ij/download.html

**Appendix**

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Fig. 11 Comparison between measured true tensile stress-plastic strain curves and Ludwik relations for base material and FS weld B in transverse(T) direction

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