Indent three columns at top of new paragraph

Use lower-case letter for preposition and article

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

Satoru OKAMOTO[1], Ichiro SHIMIZU[2] and Kenji NAKAI[3]

[1] Interdisciplinary Graduate School of Science and Engineering, Shimane University, Matsue 690-8504, Japan
[2, 3] Department of Mechanical Engineering, Okayama University of Science, Okayama 700-0005, Japan

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Abstract: This template explains and demonstrates how to prepare your manuscript for ***Advanced Experimental Mechanics.***. Authors are strongly advised to read these instructions to rigorously follow the outline of this text - ***please use Times New Roman (10-point) in the abstract and the main text***. Note that abstract should not exceed approximately 10 lines.

Keywords: Camera-ready copy, Electronic data, Manuscript format, Reference style (minimum 4 words)

1. Introduction

All manuscripts must be written in clear English, including tables and figures. When receiving the manuscript, we assume that the corresponding authors will grant us the right to use the manuscript for *Advanced Experimental Mechanics* (*Adv. Exp. Mech.*). Should authors use tables or figures from other publications, they must obtain the rights from the corresponding publishers for publishing this material in their manuscript.

The overall length of the manuscript, including Figures and Tables, must be less than **6 pages** (but some additional pages may be allowed). The typing area must be **175 mm** × **245 mm**. Type the text **single-spaced** in double column.

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Capitalize

Heading categories

- **Main Sections** (type in **bold** capitals)
- **Sub-headings** (type in **bold** lower case)
- *Sub-subheadings* (type in *italic* lower case)

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.

Italicize subsection title

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. Please justify both columns.

2.1.2 *Fonts*

Title: 11-point bold Times New Roman
Author: 10-point Times New Roman
Affiliation: 10-point Times New Roman
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:

At top of sentence

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

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.

Full spelling

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].

At top of sentence

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 1, Figure 2 and so on). 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 at least 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.

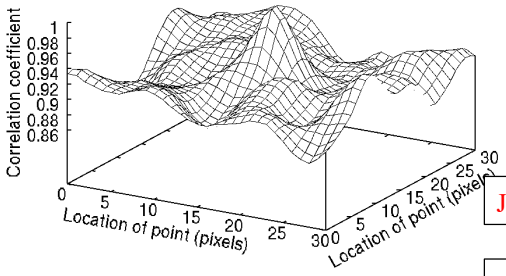

Fig. 1 Relation between correlation coefficient and l
of point: note that axis labels should be legible

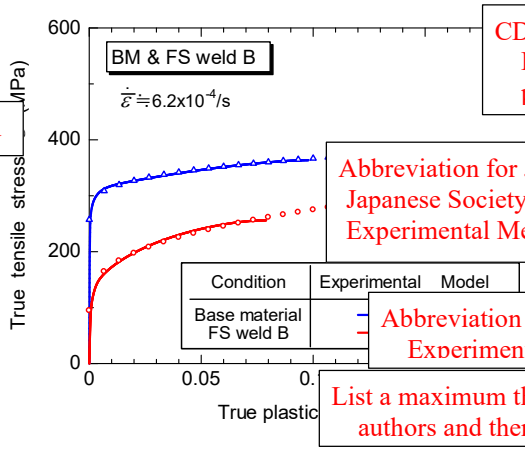

Fig. 2 Comparison between measured tr
plastic strain curves and Ludwik model pr
material and FS weld B: note that axis la
legible

3. Conclusions

We can summarize the instructions for authors
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prepare your manuscript.
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/m^{2}K]
T temperature [K]
t time [s]
ε tensile strain (in Greek alphabetical order)
ρ density [kg/m^3]
σ tensile stress [MPa]

Subscripts (in alphabetical order)

f surrounding fluid
m mean

Acknowledgment

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Appendix

* Please insert 2 blank lines below the affiliation line on the first page. The information inside the parentheses ( ) is used for filling in the dates of receipt for the original manuscript and the revised manuscript after submission. The final acceptance date will be provided by the *AEM* Secretariat Office.

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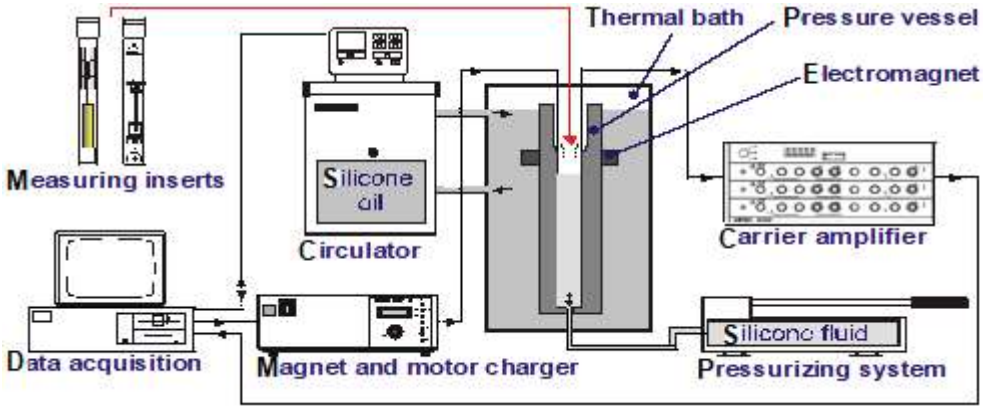

Fig. 3 Schematic representation of measuring system

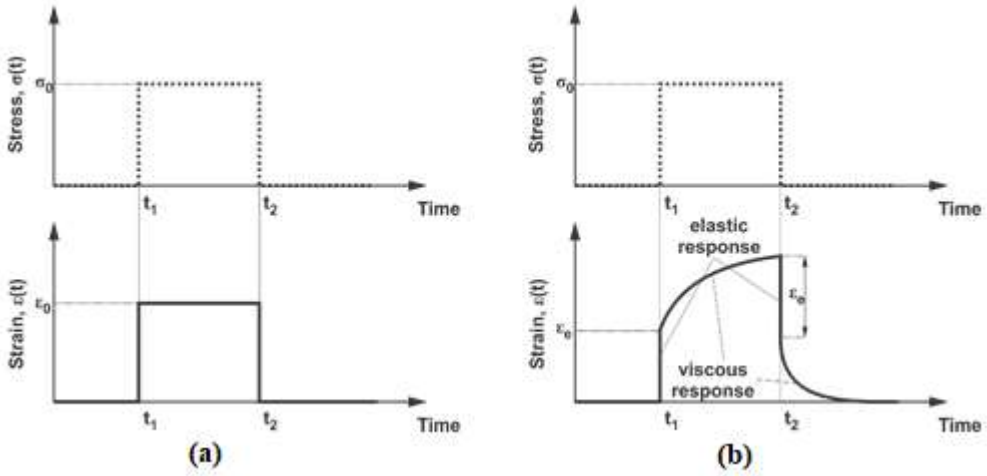

Fig.4 Responses (strains) of (a) elastic and (b) viscoelastic materials under the application of constant stress

When a larger Figure or Table is needed to paste, only the top or bottom side of the template can be used as a single column format as shown above or below. Except for two locations, the double column format should not be used

Table 2 Time-dependent material functions

Mode of loading \ Type of loading			Uniaxial	Shear	Bulk (volumetric)	Poisson's ratio
Static	Relaxation		$E(t)$	$G(t)$	$K(t)$	$\vartheta(t)$
	Creep		$D(t)$	$J(t)$	$B(t)$	
Dynamic	Relaxation	In-phase	$E'(\omega)$	$G'(\omega)$	$K'(\omega)$	$\vartheta'(\omega)$
		Out-of-phase	$E''(\omega)$	$G''(\omega)$	$K''(\omega)$	$\vartheta''(\omega)$
	Creep	In-phase	$D'(\omega)$	$J'(\omega)$	$B'(\omega)$	
		Out-of-phase	$D''(\omega)$	$J''(\omega)$	$B''(\omega)$	