Short Paper: No. xxxx

Guidelines for authors and sample manuscript

Author KIKAI\*, Author SEKKEI\* and Author TOKUSHIMA\*\*

\*Department of Mechanical Engineering, Design University

1-1 Design St, Address-ku, Tokyo 160-0016, Japan

E-mail: address@design.univ.ac.jp

\*\*Department of Mechanical Engineering, Tokushima University

2-1 Minamijyousanjima-cho, Tokushima 770-8506, Japan

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4. Compensation of flow disturbance using estimated signal

4.1 Estimation of flow disturbance

4.1.1 Axisymmetric disturbance

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|  |  |
| --- | --- |
| Recommended | Not recommended |
| 0.357 | .357 |
| 3.141 6 | 3.141,6 |
| 3.141 6×2.5 | 3.141 6・2.5 |

Table 1 Examples of writing numbers.

|  |  |
| --- | --- |
| Recommended | Not recommended |
|  | √ |
|  |  |

Table 2 Examples of writing a square root and a fraction.

Table 3 Physical properties of air at atmospheric pressure.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| [oC] | [kg/m3] | [J/(kg·K)] | [Pa·s] | [m2/s] | [W/(m·K)] | [m2/s] |  |
|  |  | ×103 | ×10-5 | ×10-5 | ×10-2 | ×10-5 |  |
| 0 | x.xxxx | x.xxx | x.xxx | x.xxx | x.xxx | x.xxx | x.xxx |
| 10 | x.xxxx | x.xxx | x.xxx | x.xxx | x.xxx | x.xxx | x.xxx |
| 20 | x.xxxx | x.xxx | x.xxx | x.xxx | x.xxx | x.xxx | x.xxx |
| 27 | 1.1763 | 1.007 | 1.862 | 1.583 | 2.614 | 2.207 | 0.717 |
| 100 | x.xxxx | x.xxx | x.xxx | x.xxx | x.xxx | x.xxx | x.xxx |



Fig. 1

The nonlinear propagation of plane acoustic wave radiated by the sound source. Using the exact solution of the system of Euler equations, the nondimensional profiles of fluid velocity, acoustic pressure and temperature variation at the time of shock formation are plotted with the solid (black), dashed (red) and dash-dotted (blue) curves, respectively. As the wave propagates, the nonlinear effect accumulates to distort the profile, and ultimately leads to the formation of shock wave. The shock formation point is denoted by a small arrow in the figure.

8. Citation of equations, references, tables, figures and others in the text

At the beginning of a sentence, "Equation" and "Figure" should not be abbreviated. Within a sentence, an equation is cited with the number and "Eq." for example, "Eq. (1)," and at the beginning of a sentence, it should be written out as "Equation (1)." Within a sentence, a figure should be cited with "Fig.," for example, "Fig. 1," and at the beginning of a sentence, it should be written out as "Figure 1."

 (1)

 (2)

 (3)

 (4)

Italic type must be used for physical and mathematical symbols. Upright Roman type may be used for differentiation operator d as shown in Eq. (1).

9. References

Citations in the text are indicated by author’s last name and year with the list of references arranged in alphabetic order: for example, (Ahrendt and Taplin, 1951) or the book by Ahrendt and Taplin (1951). For a reference from three or more authors, the citation in the text is indicated by the first author's name followed by "et al." and the year: for example, (Takeuchi, et al., 2006). More than one reference from the same author(s) in the same year are identified by the letters "a", "b", "c", placed after the year: for example, (Karin and Hanamura, 2010a, 2010b). Unpublished works (including papers not yet submitted or not yet published) should be avoided. The complete name of the journal referred to should be given. Cite references published as recently as possible. If a reference is not written in English, authors are required to translate the title into English and indicate the original language as "(in Japanese)," for example. See an example below.

References

Ahrendt, W. R. and Taplin, J. F., Automatic Feedback Control (1951), p.12, McGraw-Hill.

International Federation of Library Associations and Institutions, Digital libraries: Resources and project, IFLANET (online), available from <http://www.ifla.org/II/htm>, (accessed on 30 November, 1999).

Kameyama, H., Production method of thermal conductive catalyst, Japanese patent disclosure H00-100100 (1990).

Karin, P. and Hanamura, K., Microscopic visualization of PM trapping and regeneration in a diesel particulate catalyst-membrane filter (DPMF), Transactions of Society of Automotive Engineers of Japan, Vol.41, No.1 (2010a), pp.103–108.

Karin, P. and Hanamura, K., Microscopic visualization of particulate matter trapping and oxidation behaviors in a diesel particulate catalyst-membrane filter, Transactions of Society of Automotive Engineers of Japan, Vol.41, No.4 (2010b), pp.853–858.

Keer, L. M., Lin, W. and Achenbach, J. D., Resonance effects for a crack near a free surface, Transactions of the ASME, Journal of Applied Mechanics, Vol.51, No.1 (1984), pp.65–70.

Nagashima, A., New year's greeting, Journal of the Japan Society of Mechanical Engineers, Vol.108, No.1034 (2005), pp.1–2 (in Japanese).

Tagawa, A. and Yamashita, T., Development of real time sensor for under sodium viewer, Proceedings of the 19th International Conference on Nuclear Engineering (ICONE-19) (2011), Paper No. ICONE19–43187.

Takeuchi, S., Yamazaki, T. and Kajishima, T., Study of solid-fluid interaction in body-fixed non-inertial frame of reference, Journal of Fluid Science and Technology, Vol.1, No.1 (2006), pp.1–11.

Takeuchi, Y., Ultraprecision micromilling technology, Transactions of the Japan Society of Mechanical Engineers, Series C, Vol.71, No.701 (2005), pp.1–4 (in Japanese).

The Japan Society of Mechanical Engineers ed., JSME Data Handbook: Heat Transfer (1979), p.123, The Japan Society of Mechanical Engineers (in Japanese).

Tsutahara, M. Tamura, A. and Kataoka, T., A study of SIS of surfactant by the finite difference lattice Boltzmann method, Proceedings of the 16th Computational Mechanics Conference (2003), pp.121–122 (in Japanese).

Watanabe, T., Sakai, Y., Nagata, K., Terashima, O., Ito, Y. and Hayase, T., DNS of turbulent Schmidt number and eddy diffusivity for reactive concentrations, Transactions of the JSME (in Japanese), Vol. 80, No. 809 (2014), DOI:10.1299/transjsme.2014fe0008.