

## **Updated Instructions for Authors**

### **General**

Typescripts should be typed in English, double spaced and single-sided on A4 sheets and should be numbered beginning with the title page. The first page of an article should contain (1) the title of the paper, (2) the surname(s) and initial(s) and address(es) of the author(s), (3) the e-mail of the author to whom correspondence and proofs should be sent, (4) an abstract of 100–200 words, and (5) keywords.

Along with normal papers, the authors can submit brief communications, their size should not exceed 4 pages of the Journal “T and A”.

### **Text**

The electronic version of the manuscript (preferably typed in Word 2007 or higher) is sent by e-mail to the editorial office: **tanda@itp.nsc.ru**. Units of measurements, abbreviations, and symbols should follow the International System of Units (SI). Headings and subheadings for different sections of the paper (e.g., Introduction, Methods, Results, Discussion, Conclusion) should be clearly indicated. Only equations and formulas that are referenced in the text should be numbered consecutively with arabic numerals in parentheses on the right-hand side of the page. Such formulas should be typed in the formula editor MathType version 5.0 or higher or Microsoft Equation 3.0 or higher. Single variables and small simple formulas in lines of text should be better, whenever it is possible, to type without a formula editor, using only the Times and/or Symbol fonts. If the authors wish to present the lists of Nomenclature (separating Greek symbols and Indices), they must be incorporated in the paper text before the list of References.

### **Tables and figures**

Tables should be given short informative titles and numbered consecutively in arabic numerals. Lettering on figures should be proportional to the size of the figure to ensure legibility after reduction. All figures and tables should be cited consecutively in the text.

It is necessary that the figures, the number of which should be logically explainable, were presented in good quality. All illustrations should be made with a resolution of 600 dpi. For grayscale and full color images, JPG and PNG formats are desirable. It is advisable not to use inscriptions on halftone illustrations, except for numbers and dimensions. Graphic illustrations can be performed in BMP, GIF, TIF, PNG or CDR formats, with the latter being preferred.

### **References**

References are listed at the end of the paper in numerical order. Some examples of references are given below.

#### *For a periodical*

1. **H.C. Chen and V.C. Patel**, Near-wall turbulence models for complex flows including separation, *AIAA J.*, 1988, Vol. 26, P. 641–648.
2. **A.V. Bilsky, O.A. Gobysov, and D.M. Markovich**, Evolution and recent trends of particle image velocimetry for an aerodynamic experiment (*review*), *Thermophysics and Aeromechanics*, 2020, Vol. 27, No. 1, P. 1–22.

3. **P. Promthaisong, V. Chuwattanakul, and S. Eiamsa-ard**, 3D numerical analysis of thermal-hydraulic behaviors of turbulent flow inside twisted square ducts, *Thermophysics and Aeromechanics*, 2020, Vol. 27, No. 3, P. 345–357.

*For a book*

1. **H. Ashley**, *Engineering Analysis of Flight Vehicles*, Dover Publications, Inc., New York, 2012.
2. **F. Incropera and P.D. Dewitt**, *Introduction to Heat Transfer*, 3rd edition, John Wiley and Sons, Inc., 1996.

*For an article from a book*

1. **M.J. Walsh**, Drag characteristics of V-groove and transverse curvature riblets, in: *Viscous Drag Reduction*, G.R. Hough (Ed.), AIAA, Washington, DC, 1980, P. 168–184.
  2. **J. Reuter and D. Rempfer**, A hybrid spectral/finite-difference scheme for the simulation of pipeflow transition, in: H. Fasel and W.S. Saric (Eds.), *Laminar-Turbulent Transition*, Springer-Verlag, Berlin et al., 2000, P. 383–390.
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23. **V.A. Kislovskiy and V.I. Zvegintsev**, Redistribution of pressure along the surface of axisymmetric vehicle as a result of transverse gas jet blowing, in: *Proc. XXV Conf. on High Energy Processes in Condensed Matter 2017: AIP Conference Proc.*, 2017, Vol. 1893, P. 030028-1–030028-5.
  24. **J.L. van Ingen**, The  $e^N$  method for transition prediction. Historical review of work at TU Delft, in: *38th Fluid Dynamics Conference and Exhibit*. Seattle, Washington. AIAA Paper, 2008, No. 2008–3830.

*For a Ph.D. Thesis*

1. **S.A. Andrews**, *Multidisciplinary Analysis of Closed, Nonplanar Wing Configurations for Transport Aircraft*. Ph.D. Thesis, Mechanical Engineering, Royal Military College of Canada, 2016.

*For a patent*

1. **Patent** US4,706,509, U. Riebel, Method and an apparatus for ultrasonic measuring of the solids concentration and particle size distribution in a suspension, 1987.

*For a preprint*

1. **J.P. Johnston**, The suppression of shear layer turbulence in rotating systems, *AGARD Conference on Turbulent Shear Flows*, Preprint 93, London, 1971.
2. **J. Seiner**, The Wedge Hot-Film Anemometer in Supersonic Flow, *NASA Technical Paper 2134*, NASA-TP-2134, 1983.

The Journal titles must be abbreviated. The lists of the abbreviated Journal titles may be found in the following sites:

<https://www.library.caltech.edu/journal-title-abbreviations>  
<https://woodward.library.ubc.ca/research-help/journal-abbreviations>  
[https://images.webofknowledge.com/images/help/WOS/A\\_abrvjt.html](https://images.webofknowledge.com/images/help/WOS/A_abrvjt.html)

Review articles are an exception. In such articles, references are not numbered, but in the text are indicated in parentheses with the names of the authors and the year of publication. Moreover, in the case of one, two or three authors, all surnames are given, for example, (Brown, Smith, 2007), and in the case of four or more authors, only the first author, for example, (Smith et al., 2008). In the list of references, references are arranged in alphabetical order by the surname of the first author (without numbering). In this case, the year of publication is indicated between the surnames of the authors and the title of the publication.

**Proofs**

Proofs will be sent to the designated author to check typesetting accuracy. No changes of the original manuscript are accepted at this stage. Proofs should be returned within two days of receipt.

**Publication**

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