

## Rules for the design of articles

Articles submitted to the editorial office of the journal must be original, not previously published in other print or electronic publications. The author's originals are subject to the following requirements:

1. The article must be provided **in electronic form** in the Word 97 or later editor, the **text is typed in font No. 12 Times New Roman, the line spacing is one and a half. Quotation** marks in the text are placed with the English keyboard layout (“...”). The text is not formatted; the full name of the first author of the article is used as the file name.

2. The article should be compiled in the following order: UDK index, **title** (should be specific, accurately determine the content of the article), **initials and surnames of the authors, place of work of each author with a mailing address**, meaningful **abstract** (relevance, formulation of the problem, ways to solve it, results, conclusions - **only 8-12 lines**), **key words** (all listed **in Russian and English**), **the text of the article** with tables and figures in the text, **a list of references**.

*Structure of a scientific article:*

— **Introduction.** Justification of topic relevance; description of available works on this topic; definition of goals, objectives and research methods;

— **Main part.** The content of the article should be brief and clear. General reasoning and known provisions are excluded. Duplication of material in the text, tables, and figure captions is not allowed. It is necessary to maintain uniformity in the writing of terms, names of physical quantities and units of measurement, conventional designations, abbreviations, and symbols. Names and designations of units of physical quantities must be given in the SI system;

— **Conclusion.** Summing up and summarizing the results of the study; comparison of the results obtained with the results of other similar studies; conclusions about the achievement of the study goal; possibility and efficiency of practical use of the obtained results; challenges of further research.

3. It is necessary to pay attention to the **writing of uppercase and lowercase letters: Russian and Greek letters (a, b, c, α, β, γ, φ, etc.) are typed upright, and Latin letters (x, y, z, w, etc.) are italicized.** The same requirements must be observed when writing indices and degrees in formulas. **Designations of matrices and vectors are typed upright in bold.** Formulas included in text lines should be typed without increasing the spacing between lines, for example, b/d, exp(x/e).

4. Tables are numbered in the order in which they are mentioned in the text using Arabic numerals; **each table must have a title.** Abbreviations in table columns are not allowed. References to all tables are required in the text.

5. Formulas are written with a red line in the center, numbered with Arabic numerals, the number is placed on the right side of the column in parentheses. **Only those formulas and equations that are referred to in the subsequent presentation should be numbered.** Formulas are executed in the

MathType editor when typing is not possible ( $x_n^2, y_m^n, \sqrt{x}, \int_0^1 x, \frac{1}{y}$  etc.). Subscripts and superscripts are entered from the keyboard ( $x_3, \text{km}^2$ , etc.), Greek letters are inserted through the Menu *Insert* → *character*. Articles in which formulas are typed in other editors **are not accepted**.

6. **Figures are included in the text, and are also presented in separate files** in *jpg, tif* format with a resolution of at least 300 dpi. In the figures, the minimum number of designations is allowed - short numerical (in the order of numbers from left to right or clockwise) or letter designations; these designations are in italics. All explanations are made in the legends. Internal inscriptions in the Figures are typed in direct font No. 10 in Russian. At the bottom of each Figure, its number and legend should be given in font No. 10. If there are several different graphs in one figure, each of them is indicated by the Russian letters in italic *a, б, в*, etc. and is deciphered (the entire font is Times New Roman). The Figures are designed so that they are suitable for publication in black and white in the translated English version of the magazine. References to all Figures are required in the text.

7. References to literature in the text are given in order in Arabic numerals in square brackets. **The reference list is compiled in the same sequence in which references to the literature are given.** The surnames and initials of the authors are typed in bold italics.

8. The list of references should be drawn up in accordance with the State Standard "Bibliographic Reference" (GOST R 7.0.5 - 2008), in particular, it is necessary to indicate the following:

a) for journal articles - the surnames and initials of all authors, the title of the article, the name of the journal (without quotes), year, volume, issue, number, pages;

b) for books – the surnames and initials of all authors, full title of the book, place of publication, publishing house (without quotes), year of publication;

c) for extended abstracts of dissertations - the surname and initials of the author, the name of the extended abstract of the dissertation, for what academic degree the dissertation was written, place and year of defense;

d) for preprints - the surnames and initials of **all** authors, name of the preprint, name of the publishing organization, code and number, place and year of publication;

e) for patents - the surnames and initials of **all** authors, the name of the patent, country, number and class of the patent, date and year of application and publication of the patent;

f) for reports - the surnames and initials of **all** authors, the name of the report, inventory number, name of the organization, year of issue;

g) for electronic sources - a full e-mail address (including the date of contacting the source), allowing you to contact the publication.

The reference list should sufficiently reflect the current state of affairs in the area under study and not be redundant. The reference list should contain links to available sources.

9. At the end of the text, information is given about the contact person for interaction under the article: last name, first name and patronymic (in full), academic degree, position, phone number, e-mail.

10. The length of the article text should be from 17,000 to 60,000 characters, including spaces, footnotes and a list of references (from 0.5 to 1.5 pp). The editors reserve the right to abbreviate and edit the manuscript.

11. All articles are reviewed and, if necessary, sent to the authors for revision. The revised text of the article (edits are highlighted in color) must be accompanied by the authors' answers to all comments and questions of the reviewer.

12. Articles designed in accordance with the listed requirements are sent to the editorial office at the following e-mail addresses: [zhukova\\_av@nrcki.ru](mailto:zhukova_av@nrcki.ru) , [Starostina\\_EA@nrcki.ru](mailto:Starostina_EA@nrcki.ru) with the attached permission for open publication.