

Rules for the Design of Articles Submitted for Publication in the Journal "Problems of Atomic Science and Engineering. Series: Physics of Nuclear Reactors"

When preparing an article, the author must be guided by the standard "Author's originals and publishing texts" (OST 29.115 - 88). The following requirements apply to author's originals submitted for publication:

1. A copy of the article should be the first, printed on one side of an **A4 sheet in font No. 12, with 2 intervals**. The article should be written in the following order: UDC index; **title; initials and surnames of authors; place of work of each author with a postal address; abstract (no more than 10 lines); keywords** - all of the above shall be in **Russian and English**; text; list of references; tables; figures; figure captions (shall be on a separate sheet).

2. The article should also be presented as **an electronic version in the usual font No. 12 Times New Roman, the line spacing is single**, in the editor of Word 97 or later versions. The text is not formatted; the filename is the name of the first author of the article. **Quotes** in the text are placed when **the keyboard layout is English** ("..").

3. The content of the article should be short and clear. General reasoning, well-known provisions are excluded. Duplication of material in the text, tables, captions is not allowed. It is necessary to observe uniformity in the spelling of terms, names of physical quantities and units of measurement, designations, abbreviations, symbols. The names and designations of units of physical quantities must be given in the SI system.

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

4. Tables are numbered; **each table must have a heading**. Abbreviations in the columns of the table are not allowed. References to all tables are required in the text. **Each table is printed on a separate sheet, and electronically presented in a separate file**.

5. Formulas are numbered in Arabic numerals; the number is placed on the right side of the sheet in parentheses. **Only those formulas and equations to which there is a reference in the following presentation should be numbered**. Formulas are entered in the Equation 3.0 or MathType editors when it is impossible to type on the keyboard (x_n^2 , y_m^n , \sqrt{x} , $\int_0^1 x$, $\frac{1}{y}$ etc.). Subscript and superscript indices are entered from the keyboard (x_3 , km^2 , etc.), Greek letters are inserted through the Insert Menu \rightarrow symbol.

6. In the text of the article, the figure must be mandatory presented on a separate sheet of format no larger than A4. The minimum number of designations in the figures is allowed - short digital (in order of numbers from left to right or clockwise) or alphabetic

designations. All explanations are placed in captions. **Internal inscriptions in the figures are typed in font No. 11.** At the bottom of each figure, its number and **caption in font No. 11** should be given. If there are several different graphics in one figure, each of them is indicated by Russian letters а), б), в), etc. and is decrypted.

In computer form, the drawings are presented in separate files, made in the graphic editors *Paint, PhotoShop, CorelDraw, jpg, png* (photos are presented in *tif, dpi-300* bitmap format). Do not insert pictures in Word unless the picture was originally made in Word.

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

8. The list of references should be given in accordance with the State Standard “Bibliographic reference” (GOST R 7.0.5–2008), in particular, it is necessary to specify the following:

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

b) for books - surnames and initials of **all** authors, full title of the book, place of publication, publisher (without quotes), year of publication;

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

d) for preprints - the names and initials of all authors, the title of the preprint, the 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, the country, number and class of the patent, the date and year of the application and publication of the patent;

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

g) **for electronic sources - the full email address (including the date of accessing the source) that allows you to refer to the publication.**

9. At the end of the text, contact information about the authors of the article is indicated: the surname, first name and patronymic (in full), the position, phone number, e-mail and, at the wish of the author, home postal address.