

SUBMISSION GUIDELINES

For publication of the proceedings of the conference in the journal “**Bulletin of the Russian Academy of Sciences: Physics**”

1. GENERAL INFORMATION

Bulletin of the Russian Academy of Sciences: Physics [1] publishes the results of studies reported at sessions and conferences organized by the Russian Academy of Sciences. Manuscripts for publication are submitted to the organizing committee of the conference. The editorial board does not accept materials directly from the authors.

The electronic version of the manuscript is sent by e-mail to Konstantin Stopani <kstopani@sinp.msu.ru>.

2. MANUSCRIPT PREPARATION

2.1. *List of materials provided in electronic form*

The electronic version of the manuscript should include the following files:

- 1) full text of the article in the Word 97-2003 format (.DOC file extension),
- 2) separate image files with figures (EPS, GIF, TIFF, JPG, PNG file formats),
- 3) Word 97-2003 file with contact details of each author (full name, e-mail address, postal address and telephone number),
- 4) a scanned file containing a filled-in and signed copyright transfer agreement. The agreement form is available on the conference website [2] (section “Proceedings”).

2.2. *Requirements for the text of the article*

2.2.1. *A template of the manuscript file* meeting the official requirements is available on the conference website [2] (section “Proceedings”).

2.2.2. *Article length*

The journal does not publish comments or rapid communication articles. The minimum length of an article including figures, tables and references is 7 pages. In order to avoid publication delays it is recommended not to exceed the maximum length of 18–20 pages and 4–5 figures (no more than 3–4 figures if less than 14 pages).

2.2.2. *Title and abstract*

The first page of the manuscript should contain the title of the article in capital letters, the list of authors initials followed by family names, the affiliations of the authors, the corresponding author's e-mail address, the dates of receipt and acceptance of the manuscript, and the abstract.

The font size in all sections is 14 pt. A space between the initials and family name is required in the authors' list. Names of affiliations should include the postal code, city and country (e. g., “Lomonosov Moscow State University, Moscow, 123456 Russia”). If there are multiple affiliations, they are denoted in the list of authors using a superscript digit. The corresponding author is marked with a superscript symbol “*”, the e-mail address is provided in the format “*e-mail: user@site.ru”.

2.2.3. *Text of the article*

Formatting of the main text of the article:

- 1) Page settings: orientation – portrait, margins: top and bottom – 1.8 cm, left and right – 2 cm.
- 2) Font: Times New Roman 14 pt, black. Fully justified, first line indentation 1.5 cm, double spacing.
- 3) It is not recommended to highlight parts of the text by underlining, bold or italics.
- 4) Page numbers at the bottom of the page, centered.
- 5) No indentation of the first line in the text following equations, starting with the words “where,” “here” etc.

2.2.4. Section headings

Article text should be subdivided into sections. Mandatory sections: "INTRODUCTION", "CONCLUSIONS", "REFERENCES", "FIGURE CAPTIONS", "TABLES" (if present). First level headings are typeset with the normal font of the text, capitalized and center-aligned. Second level headings are italicized. An empty line is required before the section heading. No empty line is inserted following the heading. Mandatory sections are not numbered, numbering of other sections is up to the authors (in this case subsections are numbered with double indices).

2.2.5. Typesetting of equations and symbols

Usage of MathType is recommended for typesetting of mathematical equations. It is recommended that superscript and subscript indices use an increased font size of 70%.

The font size in equations must match the font size of the text. Latin letters denoting physical quantities (E , m , v , speed of light c , elementary particles e , p , n , the lightest nuclei d , t , etc.) are set in italics. Symbols of chemical elements, numbers, parentheses of all types (including equations) use roman font. Greek letters and symbols, such as: max, const, Re, Im, lim, lg, ln, det, exp, base of natural logarithm e and abbreviations also use roman font. For example: f_{abc} – all italics, β_{xy} – italic subscript, λ_{eff} – all roman, x_{max} – roman subscript. Vector variables are typeset in italics and indicated by an arrow (\vec{A}). Angles are denoted with Greek letters. These rules apply both to the text and figures.

The terms, units, and symbols used in the text should be generally accepted. Arbitrary abbreviation of words, phrases, and names is not allowed, except for commonly accepted abbreviations of units and technical expressions.

The degree symbol "°" should not be replaced with the letter "o" or the digit 0. Multiplication is denoted as "·" (for example, in units: $\text{g}\cdot\text{cm}^{-2}$, $\text{MeV}\cdot\text{c}^{-1}$), which cannot be replaced with a point "." or space.

In units the denominator is represented as a negative power. A ratio symbol "/" is only allowed in units containing whole words (for example, MeV/nucleon or pixel/mm).

2.2.6. Figures and tables

Figures are placed on separate pages at the end of the manuscript file, not in the main text. Each figure is marked with the label "Fig. №№" for manuscript "<title>". All figure captions are listed on a separate page in the "FIGURE CAPTIONS", following the "REFERENCES" section. In addition, all figures are provided in the form of separate image files with numerical names.

Vector drawings are provided in EPS format, bitmap figures are provided in PNG, GIF, TIFF, JPG formats with the resolution of at least 400 dpi. The size of the figures should correspond to one of the print formats (one column-wide, two columns-wide, the entire page in horizontal orientation).

Color figures may be included in the article. Color figures will appear only in the electronic version of the article (on-line), in the printed version color figures will be automatically converted to grayscale. It is up to the authors to verify the correctness of the figures in grayscale prior to submission. At the proofreading stage any change of figures will be impossible without an additional fee.

Only one pair of coordinate axes is allowed in figures. The axes should not form a closed rectangular box. Any text labels in the figures should be set in the font of the main text (Times New Roman) and should follow the equation formatting rules (for example, it is erroneous to write " $d\sigma/d\Omega$ " instead of " $d\sigma/d\Omega$ " in a figure). The markings of vertical and horizontal scales should be legible (the minimum length of the tics in print is 2 mm) and facing inside the frame. Solid (bold and thin) and dashed lines should be clearly distinguishable. It is not recommended to clutter figures with extraneous details such as insets and coordinate grid, most of the inscriptions should be put in the figure caption and designated in the figure with italicized digit indices. All text in figures should be positioned horizontally, axes labels should be put at the end of the axes. If there several individual plots in the figure, each of them should be marked by italicized latin letters a , b , c ... etc.

Tables are placed on separate pages in the “TABLES” section following “FIGURE CAPTIONS”.

2.2.7. References

References should be put in the “REFERENCES” section on a separate page. References are given in the order they appear in the text. The reference format is as follows. For periodicals, one should give authors' surnames and initials, title of journal, year of publication, volume number, issue number, page (e.g., Babushkin, F.A., *Optics and Spectroscopy*, 1991, vol. 23, no. 4, p. 782). For books: authors' names, title of book, volume number, city, publisher, year of publication, page. For extended abstracts and dissertations: author's name, degree, place of defence (institute, city), year. For preprints: title of preprint, preprint number, publisher, year. For Internet links, the address should be indicated and the access date. References to unpublished materials are not allowed. All references must be carefully checked.

The editorial board of the journal does not inform the authors about the changes and abbreviations of the manuscript, which have editorial nature and do not affect the content of the article. Manuscripts are not returned to the authors. The editorial board does not inform authors about necessary abridgements and stylistic corrections that do not change the manuscript contents. For proofing of an article, the editorial board sends a test e-mail to an author, informing that the proofs are to be sent. The author must confirm receipt or give another e-mail for sending proofs, after which the proofs are sent to the author with a request that the manuscript be corrected and returned in the necessary format in a timely manner. Upon receipt, the author receives confirmation from the editorial board. At the stage of proofreading the editorial board is not able to make major edits to the article, only obvious error corrections are allowed.

[1] Official website of the journal: <http://izv-fiz.ru/ru/forauthors/>

[2] LXXII International Conference "Nucleus-2022": <https://events.sinp.msu.ru/e/nucleus2022>