

Известия Саратовского университета. Новая серия. Серия: Математика. Механика. Информатика. 2022. С. 1–4

Izvestiya of Saratov University. Mathematics. Mechanics. Informatics, 2022, pp. 1–4

Article

Article title

I. A. Ivanov¹, I. I. Petrov²

¹Affiliation, Address

²Saratov State University, 83 Astrakhanskaya St., Saratov 410012, Russia

Igor A. Ivanov, i.a.ivanov@gmail.com, <https://orcid.org/0000-0000-0000-0000>, AuthorID: 2935

Ivan I. Petrov, petrovii@sgu.ru, <https://orcid.org/0000-0000-0000-0000>, AuthorID: 2932

Abstract. Abstract requirements:

- 200–250 words;
- the abstract should not contain complicated formulas, references to bibliography, its content should not repeat the manuscript title; the abstract should not be in broad terms that do not convey the essence of the study;
- the abstract should reflect the content of the manuscript maintaining its structure: Introduction, Aims and Objectives, Research Methods, Results, Conclusion(s);
- the content and size of abstracts in Russian and English should not differ significantly.

Keywords: Keywords serve as a guide for the reader and are used to search for articles in electronic databases. The recommended number of keywords is 5–8, they need to be separated by commas, without a period at the end. In Russian and English, the keywords must be identical in number and content.

Acknowledgements: The paper was supported by the Russian Foundation for Basic Research (project No. 00-00-00000)

Научная статья

УДК 517.98

Article title in Russian

И. А. Иванов¹, И. И. Петров²

¹Название организации 1, Страна, индекс, г. Город, ул. Улица, д. номер дома

²Саратовский национальный исследовательский государственный университет имени Н. Г. Чернышевского, Россия, 410012, г. Саратов, ул. Астраханская, д. 83

Иванов Игорь Александрович, кандидат физико-математических наук, преподаватель кафедры математики, i.a.ivanov@gmail.com, <https://orcid.org/0000-0000-0000-0000>, AuthorID: 2935

Петров Иван Иванович, кандидат физико-математических наук, доцент кафедры математического анализа, petrovii@sgu.ru, <https://orcid.org/0000-0000-0000-0000>, AuthorID: 2932

Аннотация. The content and size of abstracts in Russian and English should not differ significantly.

Ключевые слова: keywords in Russian and English should not differ in content and number.

Благодарности: Acknowledgments and sources of funding for the work in Russian

Introduction

Research articles (10–12 pages) and short communications (up to 6 pages) containing new original results in all major sections of mathematics, mechanics and computer science, as well as review articles in topical areas (up to 40 pages) are accepted for publication. Larger articles are accepted only if approved by the Editorial Board of the Journal.

The Editorial Board does not consider articles: of an exclusively applied nature;

- of an exclusively applied nature;
- published or submitted for publication elsewhere.
- of an exclusively applied nature;
- published or submitted for publication elsewhere.

The Editorial Board complies with the Publishing Ethics of the journals *Izvestiya of Saratov University. New Series*. Authors, submitting a manuscript for publication, and reviewers, agreeing to review the manuscript, also undertake to comply with the specified ethical standards.

All articles before being sent for a peer review are checked by the Editorial Board for incorrect citation using the anti-plagiarism system called.

1. How to apply for publication

Submission of an application for publication is made through the journal's website (click on "Submit article").

Along with the manuscript of the article, the authors must upload an expert opinion on the possibility of open publication.

Before submitting an application, you must check if all authors are registered on the website. To do this, in the left menu Authors, you should search by last name and look at the corresponding card. Here you can also see a list of the author's articles published in our journal.

If you lose your username and / or password, click on "Forgot your password?". Information will be sent to the e-mail address that the author indicated in his articles.

The author who uploads the article is considered to be responsible for the correspondence (hereinafter referred to as the Author) and this cannot be changed in the future. Co-authors can see all the information on the article available to the Author, but cannot edit it, send comments for proofreading, i.e. perform any actions in the system. If necessary, the Co-authors can send a message to the editor from their personal account, or to the address mmi@sgu.ru

After authorization, access to the Author menu appears (horizontal menu). It contains the following elements:

- Profile
- Upload new article
- List of articles in work
- Send a letter to the Managing Editor
- Exit

The article file in pdf format is uploaded separately; be sure to tick the obligatory box "Available to the reviewer". An article file in tex format and picture files are uploaded in one archive (zip, rar, 7z) without ticking the box "Available to the reviewer".

2. Numbering and References

The list of sources should contain only works cited in the article. The numbering of sources should correspond to the order of references to them in the text. Links to unpublished works are not allowed. For links to the source, use the `\cite` command, for example, [1, 2], [1–3], [3, p. 52].

Theorem 1. *For formulas, theorems, lemmas, etc., use automatic numbering. Formulas are numbered only if they are referenced in the text of the article.*

$$|\langle f, g \rangle| \leq [\langle f, f \rangle]^{\frac{1}{2}} [\langle g, g \rangle]^{\frac{1}{2}}, \quad f, g \in C^k(X), \quad (1)$$

*In the text, for references to formulas, the command `\eqref` is used, for lemmas, theorems, etc. — `\ref`. In order to avoid cross-references with other articles and for better navigation within the *tex*-file, please use as labels several letters of the first author's surname and the object number (theorems, lemmas, formulas) in order, for example, the formula (1), Theorem 1.*

Proof. To exclude a possible conflict in command designations between articles of the same issue, please do not enter new commands and do not override old ones. If Russian letters are used in formulas, then the commands `\text` or `\mbox`, otherwise characters may be missing. \square

Definition 1. *Object being defined* is italicized.

3. Figures and Tables

Figures should be submitted as files in eps format, while the image file should provide clarity of all details (vector graphics are preferred).

The font of the text in the pictures and figure captions is 10–11 Times New Roman ()).

Each figure must have a self-contained caption. If the illustration contains additional symbols, they should be explained.

If the figure consists of parts (a, b, etc.), then the caption to the figure should contain a description of each part (for example, different parameters).

Each table should be numbered with Arabic numerals and have a caption that briefly explains its content. All columns should have subheadings as concise and informative as possible. Measurement units are indicated after the decimal point.

There must be a reference to every figure and every table in the text of the article.

*1

References

1. Leonenko D. V., Starovoitov E. I. Deformation of a three-layer elastoplastic beam on an elastic foundation. *Mechanics of Solids*, 2011, vol. 46, no. 2, pp. 291–298. <https://doi.org/10.3103/S002565441102018X>
2. Trishina I. A. Almost Periodic at Infinity Functions Relative to the Subspace of Functions Integrally Decrease at Infinity. *Izvestiya of Saratov University. Mathematics. Mechanics. Informatics*, 2017, vol. 17, iss. 4, pp. 402–418 (in Russian). <https://doi.org/10.18500/1816-9791-2017-17-3-402-418>
3. Tikhonov A. N., Goncharskiy A. V., Stepanov V. V., Yagola A. G. *Chislennyye metody resheniya nekorrektnykh zadach* [Numerical Methods for Solving Ill-posed Problems]. Moscow, Nauka, 1990. 230 p. (in Russian).
4. Chui Ch. K. *An Introduction to Wavelets*. San Diego, CA, USA, Academic Press, 1992. 264 p.

Examples

Book

Bartle G. *A Modern Theory of Integration*. Providence, AMS, 2001. 458 p.

Kargapolov M. I., Merzljakov Ju. I. *Fundamentals of the Theory of Groups*. New York, Springer-Verlag, 1979. 203 p. (Rus. ed.: Moscow, Nauka, 1982. 288 p.).

Article

Avakov E. R., Magaril-Il'yaev G. G. Implicit function. Controllability. Perturbation of optimal control problems. *Mathematical Notes*, 2021, vol. 109, iss. 4, pp. 503–516. <https://doi.org/10.1134/S0001434621030196>

Khromov A. P. The mixed problem for the differential equation with involution and potential of the special kind. *Izvestiya of Saratov University. Mathematics. Mechanics. Informatics*, 2010, vol. 10, iss. 4, pp. 17–22 (in Russian). <https://doi.org/10.18500/1816-9791-2010-10-4-17-22>

Orlyanskaya I. V. Modern approaches to global optimization methods building. *Online Journal "Issledovano v Rossii"*, pp. 2097–2108 (in Russian). Available at: <http://zhurnal.ape.relarn.ru/articles/2002/189.pdf> (accessed 2 December 2012).

Internet resource

Illumina, Inc. Available at: <http://www.illumina.com/> (accessed 18 May 2012).