

ARTICLE REQUIREMENTS

1. Only scientific articles in English and Ukrainian, which have not been published before, are accepted for publication in the **Collection of Scientific Papers of the State University of Infrastructure and Technologies "Transport Systems and Technologies"** (further – the Collection). It is recommended to submit articles in English, because it allows to get better indexing in international scientometric databases. Therefore, English-language articles are considered by the editors in the first place.

2. The content of the article should correspond to the thematic direction of the Collection: coverage of research results on transport infrastructure and rolling stock, technology and organization of transport processes, automation, information and computer technology in transport, mathematical modeling of transport, electricity, electrical engineering and electromechanics on transport.

Specialty list of the Collection:

- 122 - Computer science and information technology;
- 141 - Electric power, electrical engineering and electromechanics;
- 151 - Automation and computer-integrated technologies;
- 273 - Railway transport;
- 275 - Transport technologies (by types).

The authors are responsible for the materials presented in the article. The editors may not share the position of the authors of the publication and reserve the right to shorten, edit and correct the article (while maintaining the main conclusions and style of the author).

Non-compliant articles will not be considered and published.

3. The article should have the following necessary elements:

- 1.1. UDC number (<http://www.udcsummary.info/php/index.php?lang=en&pr=Y>).
- 1.2. List of authors of the article indicating the place of work, address of the institution, ORCID, e-mail of the author responsible for correspondence.
- 1.3. Title of the article (not more than 10 words).
- 1.4. Abstract in English and Ukrainian (150-200 words).
- 1.5. Keywords (from 5 to 10 words).
- 1.6. Article written according to the requirements.
- 1.7. References in English, designed according to the international bibliographic standard APA.
- 1.8. Information about the authors in Ukrainian (or Russian) and English.

4. The article should contain the following sections:

- Introduction;
- Analysis of recent research and problem statement;
- The purpose and objectives of the study;
- Materials and methods of research;
- Conclusions.

5. The following should be submitted to the editorial board of the Collection:
- one copy of the article, signed by the authors on each page, indicating that this article has not been published or submitted to any other publications;;
 - information about the authors: surname, name, degree, academic title, ORCID, place of work, e-mail, phone number;
 - license agreement for the use of the work (after article has been accepted for publication).

6 The material should be presented concisely, consistently, stylistically competently. The volume of the article should be not less than **7** pages and not more than **20** pages. Exceptions are allowed only by the decision of the editorial board of the Collection. The last page of the article must be at least half full. The abstract should clearly state the main purpose of the article, substantiate its relevance, practical significance and summarize the main results. Keywords in a specific language are given after the appropriate annotation. Terms and designations must comply with applicable standards. Repetitions are not allowed, as well as unnecessary details when transferring previously published information. Units of measurement should be reported according to the International System of Units SI.

7 Quotations, tables, statistics, numerical indicators that increase the validity level of analytical materials should be submitted with reference to sources. Tables should be numbered and have a title. The authors are responsible for these indicators.

8 Text materials are prepared using Times New Roman font and printed on white paper sheets using computer text editor Microsoft Word. For a set of formulas built-in formula editors should be used (for example, Math Type).

The settings of the page are set as follows:

- top field – 30 mm;
- left and right field – 25 mm;
- bottom field – 35 mm.

Do not enter headers and footers, or page numbers. Indent of the first line of the paragraph - 5 mm, the interval between lines - single. It is desirable that at least half of the last page was filled.

9. The text should be typed in such fonts:

- **DOI (DOI:10.32703/2617-XXXX-XXXX-XX) - 12-point font, bold italics, is placed on the first page of the article;**
- *UDC - 11 points, italics;*
- **Name and surnames of the authors - 12 points, bold italics;**
- Authors' places of work with addresses of establishments - 10 points, normal;
- **ARTICLE TITLE - IN CAPITAL LETTERS, 12 POINTS, BOLD;**
- *abstract - 11 points, italics;*
- *keywords - 11 points, italics;*
- main text - 11 points, regular;
- **Word "REFERENCES" - CAPITAL LETTERS, 11 POINTS, BOLD;**
- names of sources in the bibliography - 9 points, normal.

10. The intervals between the elements of the article are as follows:

- UDC – authors – 1;

- authors —place of work – 1;
- place of work – article title – 2;
- article title – abstract and keywords – 2;
- abstract and keywords - main text – 1;
- main text – name of the table (upper edge of the figure, diagrams, charts) – 1;
- the lower edge of the figure, diagrams, charts – their names – 1;
- the lower edge of the table (name of the figure, diagram, chart) – main text – 1;
- main text – DOI – 1;
- main text – **REFERENCES** – 1;
- **REFERENCES** – list of references – 1.

11. All **figures and tables** should have names and numbers (in case the paper contains two or more of these elements), например, «*Fig. 1. Diagram...*» or «*Table 1. Indexes...*» The words *Fig.*, *Table* and their numbers are typed in italics, 11 points; names - in bold, 11 points; table name and number is placed above the table; figure name and number is placed below with **center alignment**. The size and resolution of the figure must ensure the visibility of all its elements. If the table does not fit on one page, all of its columns are numbered, and above the transferred part of the table on the right should be placed the indication: "Continuation of table..." indicating the table number. The figure or table source should be indicated in italics in parentheses (*Source:...*) below the corresponding figure or table.

12. The formulas are centered on the page. MathType is used for typing formulas. The formula number is placed on the right at the end of the line, in parentheses. An interval of one line is maintained between formulas and the text. Letters and symbols (symbols) are typed in italics.

13. REFERENCES should contain at least 15 names:

Sources should be peer-reviewed scientific papers (monographs, articles, scientific publications). At least 60% of the sources should come from scientific journals or conference proceedings indexed in Google Scholar. If they have a DOI, it should be given at the end of the link. It is strongly recommended to avoid including web pages to the reference list. If necessary, web pages can be cited in the text of the article, without listing them in the reference list. If web page sources are cited in the reference list, the citation must follow the following rules:

- the cited URL must be active during the article approval process;
- the cited URL has to link to a page containing specific information, relevant to the citation in the text of the paper;
- web portals, corporate web pages, e-stores, Wikipedia and commercial sites are not allowed;
- apart from the URL, title and short description of the resource (and authors, when applicable) have to be included, too, as well as the date of information retrieval by the authors of the report.

Sources should not be older than 10 years.. It is recommended that at least two thirds of the reference links should be international publications.

UDC 123:45

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ARTICLE TITLE

The abstract is given in the amount of 150-200 words, the abstract should contain a brief description of the scientific problem, research methods, main research results, their relevance and practical significance.

Keywords: *Up to 10 keywords separated by comma.*

Introduction. This section introduces the scientific problem to which this article is devoted.

Analysis of recent research and problem statement. This section describes the state of the problem, the latest proposed research on its solution, and the relevance of this study, what it introduces compared to existing scientific solutions. Simple enumeration of scientists' names involved in the problem solution is not allowed. The description of existing research is supplemented by a reference to the scientific sources in which they are presented. References to scientific sources are indicated by numbers in square brackets. The number corresponds to a number of the bibliography of this source in the REFERENCES section, given after the article.

The purpose and tasks of the study. It clearly states the purpose of this study and the tasks that need to be solved to achieve it. The described tasks and purpose should correspond to the conclusions given at the end of the article.

Materials and methods of research. This section provides a summary of the main material of the study. Research methods, errors that may affect the results of the study should be indicated.

If necessary, this section can be divided into additional sections according to the content of the article.

An example of a table is given in table.1.

Table 1. Name

(Source: [3])

The figures should be given in JPG format. If there are abbreviations or variables in the figure, they should be mentioned in the text so that the meaning of the figure is fully understood. The resolution and size of the drawing should make it possible to disassemble all the elements and values depicted on it.

An example of drawing is shown in Fig.1.

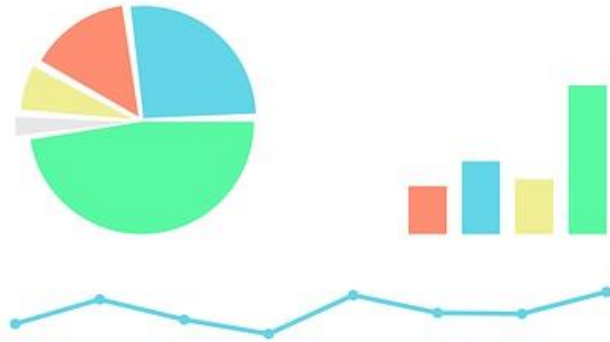


Fig. 1. Name

An example of formula is shown by formula (1)

$$y = f(x), \quad (1)$$

where y – the value of the function from x ;
 x – is the argument of the function.

If there are abbreviations in the text than for the first time the name should be given in full, followed by its abbreviation in parentheses. Further in the text the abbreviation is used.

Conclusions. Conclusions should be consistent with the purpose and objectives of the article, be clear, reflect the differences and practical significance of this study compared to other existing studies.

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НАЗВА СТАТТІ УКРАЇНСЬКОЮ МОВОЮ

Анотація українською мовою наводиться обсягом 150-200 слів, анотація повинна містити короткий опис наукової проблеми, методів дослідження, основних результатів дослідження, їх актуальність та практичне значення. (The abstract in Ukrainian is given in the amount of 150-200 words, the abstract should contain a brief description of the scientific problem, research methods, main research results, their relevance and practical significance.)

Ключові слова: *наводиться максимум до 10 ключових слів, що розділяються комою (Keywords in Ukrainian).*

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