INSTRUCTION FOR AUTHORS

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Each paper must begin with an abstract. The abstract must have at least 250–300 words, supplying general information about the achievements, and objectives of the paper, experimental technique, methods applied, significant results and conclusions.

Keywords: *put your key words here (5–10 keywords)*

PACS: specify the PACS code(s) here

1. INTRODUCTION

Papers should be written in English. Please use the EEJP template (the files `eejp.sty` and `template.tex`) to prepare your tex file after the paper is accepted by the the EEJP. You should put the files `eejp.sty` and `template.tex` in the same folder to work correctly. For detailed instructions in LaTeX see, e.g., https://www.overleaf.com/learn or https://en.wikibooks.org/wiki/LaTeX. Please open both files `template.tex` and `template.pdf` and read carefully all information in them including details proceeded by % sign (in the TeX-file). You should complete commands `\title` and `\authors` placed just after `\begin{document}` and before `\BeginPaper`. After the command `\BeginPaper`, you should complete the commands `\author` (insert the ORCID ID number, the name, and the mark(s) of affiliation(s) for each author), `\affiliation` (for each affiliation), and `\email` (for the corresponding author), i.e., set the ORCID ID numbers and the names of the authors, their affiliations, addresses of affiliations, and e-mail address of the corresponding author. After that you may put your own macros if you need. Note that using commands of the type `\def`, the command `\renewcommand` and other `\renew...` are not allowed. Next, you should give the abstract of the paper, keywords, and the PACS codes. After that you may begin the text of your paper. Please note that the footnotes are not allowed throughout the paper. Place the list of references at the end of the paper, using samples given in `template.tex`. The command `\EndPaper` is the last one before `\end{document}`. Note that you should run PDFLaTeX procedure of compilation for the pdf-file to show up correctly. Thus you obtain the pdf-file directly without dvi-file. Please avoid the commands of 'emergency' type: `\linebreak`, `\pagebreak` etc. These are important instructions and explanations. Please use UTF-8 character encoding typing the text of the paper. Thank you for your cooperation.

2. EXAMPLES

You may use cross-references in the text of your paper. It may require two LaTeX compilations for the references to show up correctly. You may use cross-references to all enumerated elements (equations, sections, figures, items of lists etc.) in the following way. The command `\label{name}` may be used to assign the identifier "name" to an element. The command `\ref{label-name}` or `\eqref{label-name}` references the object you have marked before, see Subsections 2.1–2.3. The command `\bibitem{label-bibitem}` may be used to assign the identifier "label-bibitem" to a citation. The command `\cite{label-bibitem}` or `\cite[text]{label-bibitem}` cites the item you have marked before, see Section 4.

2.1. Examples of inserting figures

The EEJP requires graphics to be sent in `jpeg`, `jpg`, `png`, or `pdf` format. The packages `graphicx`, `caption`, and `subcaption` are provided in `eejp.sty` Use the `graphicx` package to embed references to your graphics directly in a LaTeX file. The use of other packages are strictly prohibited. The `jpeg`, `jpg`, `png`, and `pdf` files will not be physically included in the LaTeX file. Each graphic must be submitted as a separate file along with the LaTeX document.

Your may also create graphics using `TikZ` package. Please do not use obsolete graphic packages (e. g., `picture`, `epic`, `eepic`, etc.) for creating your graphics.

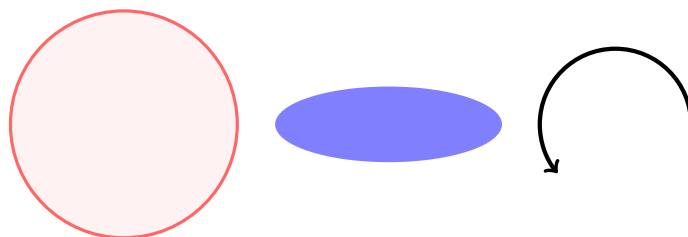Figures should be titled below. Here are the examples of inserting figures (see Figures 1–3).
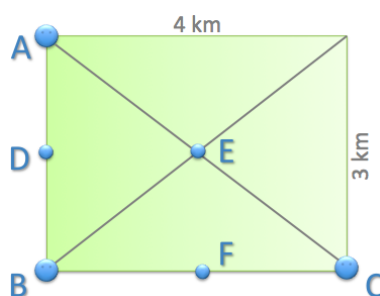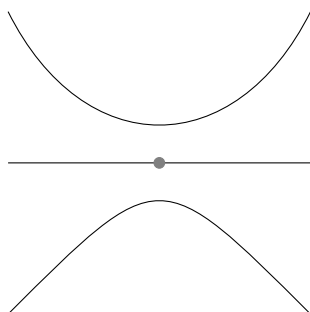

Figure 1. Here is the caption of your figure

Figure 2. Here is the caption of your figure

(a) Here is the caption of your figure 1   **(b)** Here is the caption of your figure 2

Figure 3. Here is the caption of your figures

2.2. Samples of enumerated lists

For creating enumerated lists, **only** the package `enumitem` provided in `eejp.sty` should be used. Please use the commands: `\arabic*`, `\Roman*`, `\roman*`, `\Alph*`, or `\alph*`, with appropriate symbols of the point, parentheses, or braces. Below we give some examples of enumerated lists.

Arabic numerals:

1. your first item;
2. your second item;
3. your third item.

You may create labels and use the command `\ref{label}` to cite these items, e.g., 2.

Roman numerals:

(i) your first item;
(ii) your second item;
(iii) your third item.

You may create labels and use the command `\ref{label}` to cite these items, e.g., (ii).

An alphabetical list:

A) your first item;

B) your second item;

C) your third item.

You may create labels and use the command `\ref{label}` to cite these items, e.g., B).

A list with sublists:

1. Your first item:
   a) your first subitem;
   b) your second subitem;
2. Your second item.
3. Your third item:
   (I) your first subitem;
   (II) your second subitem;

You may create labels and use the command `\ref{label}` to cite these items, e.g., 1**??**

2.3. Examples of inserting tables

LaTeX has built-in support to typeset tables and provides two environments: tabular and table. To typeset material in rows and columns, the tabular environment is needed; the optional table environment is a container for floating material similar to figure, into which a tabular environment may be included.

The table environment contains the caption and defines the float for the table, i.e., where in the document the table should be positioned and whether we want it to be displayed centered. The `\caption` and `\label` commands can be used in the same way as for pictures.

The packages `array`, `multirow`, and `hhline` are provided by `eejp.sty`. Tables should be titled below. Here are the examples of inserting tables (see Tables 1–3).

Table 1. Here is the caption of your table

Day	Min Temp	Max Temp	Summary
Monday	11C	22C	A clear day with lots of sunshine. However, the strong breeze will bring down the temperatures.
Tuesday	9C	19C	Cloudy with rain, across many northern regions. Clear spells across most of Scotland and Northern Ireland, but rain reaching the far northwest.
Wednesday	10C	21C	Rain will still linger for the morning. Conditions will improve by early afternoon and continue throughout the evening.

Table 2. Here is the caption of your table

Team	P	W	D	L	F	A	Pts
Manchester United	6	4	0	2	10	5	12
Celtic	6	3	0	3	8	9	9
Benfica	6	2	1	3	7	8	7
FC Copenhagen	6	2	1	3	5	8	7

3. HOW TO ALIGN MATH FORMULAS

The packages `amsthm`, `amsfonts`, `amsmath`, `amscd`, `amssymb`, `mathrsfs`, `mathdots`, and `euscript` are provided by `eejp.sty`. To create your formulas, use the environments `gather`, `align`, `multline`, `aligned`, `split`, and others except the obsolete environment `eqnarray`. Please note that the number of a multiline formula should be placed at the end of its last line.

Please refer to the following example and align your math formulas:

$$\theta_\varepsilon \wedge d\theta_\varepsilon^{n-1} = (\theta_0 + \varepsilon\alpha) \wedge (d(\theta_0 + \varepsilon\alpha))^{n-1}$$

Table 3. Here is the caption of your table

	Animal	**Bird**	**Fish**
Preys	Bunny	Swallow	Salmon
	Monkey	Swan	Perch
Predators	Tiger	Hawk	Pike
	Lion	Falcon	Shark

$$\begin{aligned}
&= (\theta_0 + \varepsilon\alpha) \wedge (d\theta_0)^{n-1} + \theta_0 \wedge d\theta_0^{n-1} - \varepsilon d\left(\alpha \wedge \theta_0 \wedge d\theta_0^{n-2}\right) \\
&\quad + \theta_0 \wedge d\theta_0^{n-1} + \varepsilon\alpha \wedge d\theta_0^{n-1} \\
&= \theta_0 \wedge d\theta_0^{n-1} - \varepsilon d\left(\alpha \wedge \theta_0 \wedge d\theta_0^{n-2}\right),
\end{aligned} \tag{1}$$

It also can be aligned in the following way:

$$\begin{aligned}
\theta_\varepsilon \wedge d\theta_\varepsilon^{n-1} &= (\theta_0 + \varepsilon\alpha) \wedge (d(\theta_0 + \varepsilon\alpha))^{n-1} \\
&= (\theta_0 + \varepsilon\alpha) \wedge (d\theta_0)^{n-1} + \theta_0 \wedge d\theta_0^{n-1} - \varepsilon d\left(\alpha \wedge \theta_0 \wedge d\theta_0^{n-2}\right) \\
&\quad + \theta_0 \wedge d\theta_0^{n-1} + \varepsilon\alpha \wedge d\theta_0^{n-1} \\
&= \theta_0 \wedge d\theta_0^{n-1} - \varepsilon d\left(\alpha \wedge \theta_0 \wedge d\theta_0^{n-2}\right),
\end{aligned} \tag{2}$$

Here is other example if the math expression in [ ] exceeds one line:

$$\begin{aligned}
\int_0^T |u_0(t)|^2 dt \leq \delta^{-1} &\left[\int_0^T (\beta(t) + \gamma(t))\, dt \right. \\
&\left. + T^{\frac{2(p-1)}{p}} \left(\int_0^T |\dot{u}_0(t)|^p\, dt \right)^{\frac{2}{p}} + T^{\frac{2(p-1)}{p}} \left(\int_0^T |\dot{u}_0(t)|^p\, dt \right)^{\frac{2}{p}} \right].
\end{aligned} \tag{3}$$

Please use the displaystyle if your formulas fully occupy a paragraph, while use textstyle among the text. For two equations:

$$\begin{aligned}
A &= \theta_0 \wedge d\theta_0^{n-1} - \varepsilon d\left(\alpha \wedge \theta_0 \wedge d\theta_0^{n-2}\right), \\
B &= \theta_1 \wedge d\theta_1^{n-1} - \varepsilon d\left(\alpha \wedge \theta_1 \wedge d\theta_1^{n-2}\right).
\end{aligned}$$

Please align your formulas nicely according to the above examples. Thanks.

4. REFERENCES

List of References must contain at least 30% of articles published over the past 5 years and no more than 30% of links to their own work. Cite References by number in AIP style (https://aip.scitation.org/php/authors/manuscript). Numbering in the order of referring in the text. For citing use the command \cite{label} or \cite[text]{label}, e.g., [10], [1]–[3], or [7, Chapter 1]. References should be listed in numerical order of citation in the text at the end of the paper. Below, see examples [1]–[3] for journal articles, [4]–[6] for e-print resources with Collaboration Research or Preprint, [7], [8] for books, [9] for edited books, [10]–[12] for book chapters, [13], [14] for conference or symposium proceedings, and [15], [16] for patents. Please note that Cyrillic symbols should be preceded by the command \selectlanguage{ukrainian} and should be placed inside the braces along with this command (see [8], [12], [14]).

5. SPECIAL NOTES

1. Use International System of Units (SI system).
2. It is undesirable to use acronyms in the titles. Please define the acronym on its first use in the paper.
3. Refer to isotopes as ^{14}C, ^{3}H, ^{60}Co, etc.

Acknowledgments

We would like to thank you for *following the instructions above* very closely in advance. It will definitely save us lot of time and expedite the process of your paper's publication.

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ПРАВИЛА ДЛЯ АВТОРІВ
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Кожна стаття має починатися з анотації. Анотація повинна містити щонайменше 250–300 слів, надаючи загальну інформацію про цілі та досягнення роботи, експериментальну техніку, застосовані методи, основні результати та висновки.

Ключові слова: *розмістіть свої ключові слова тут (5–10 слів)*