

INSTRUCTIONS FOR PREPARATION AND SUBMISSION OF PAPERS FOR “CYBERNETICS AND PHYSICS” USING L^AT_EX2_ε

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Abstract

This article illustrates the preparation of a paper for “Cybernetics and Physics” (CAP) journal using L^AT_EX2_ε. The author’s package is available from <http://cap.physcon.ru> and contains the following files:

1. CAP-journal.cls — the L^AT_EX class for CAP;
2. CAPauthor.tex — the template that should be modified by the author;
3. CAPauthor.pdf — the template compiled to PDF;
4. CAP.bst — the BiBTeX style file for CAP;
5. CAPsample.bib — a sample bibliography file.

Key words

No more than six key words must be given delimited by comma.

1 Introduction

Your paper for the CAP journal must be prepared in **English**. To ensure that the paper will be reproduced clearly and in the proper size and form, please observe the following instructions. All papers will be reviewed and must meet technical standards.

2 Manuscripts

It is advised to put some text between a section heading and a subsection heading.

2.1 Organization

Your paper should begin with an abstract, followed by key words, and then by an introduction. At the end, it should feature a conclusion and a list of references.

2.1.1 Acknowledgements Acknowledgements (if any) should precede the references.

2.2 Length

The maximum length of your abstract is to be 200 words. The length of the paper should be modified if more than about two thirds of the last page remains empty.

2.3 Layout

The layout of the paper is taken care for by the journal’s class file.

2.4 Symbols

Symbols and acronyms should be defined the first time they appear. Use the International System (SI) of units.

2.5 Page Numbering and Headers

This should be taken care for by the journal’s class file and by the editors.

3 Illustrations

Both colored and black-and-white drawings and photographs are acceptable. Please check whether they are still legible when printed. Your illustrations must be placed within the `figure` environment, accompanied by captions and inserted in the text near the place where they are mentioned. Use the same or similar font sizes in your illustrations as in the manuscript. Check whether the smallest lettering, such as subscripts, is still legible. Captions should be made with the `\caption` command below the figure and should explain illustrations without a further reading of the paper text.

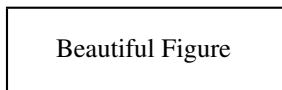


Figure 1. An example figure.

4 Tables

For tables use the `table` environment. Unlike figures, the caption should precede the table.

Table 1. Example of a table

T	k
0.20	3.8
0.30	2.4
0.35	2.0

5 Equations

Displayed equations should be centered like in the example given below:

$$\begin{aligned}\nabla \times E &= -\frac{\partial B}{\partial t} \\ \nabla \times H &= J + \frac{\partial D}{\partial t}\end{aligned}\quad (1)$$

If necessary, they should be numbered on the right side.

6 Bibliography

List all bibliographical references at the end of the paper in the manner shown (listing in alphabetic order with respect to last name of first author). Refer to them in the text as follows: [Wang et al., 2002] and [Paul, 1992; Sato, 1989].

The usage of BibTeX is highly recommended. The author's package contains the journal's style file `CAP.bst` and a sample bibliography file `CAPsample.bib`. For BibTeX add the command

```
\bibliography{your bib-file}
```

to the end of your document.

7 Compilation

It might occur that the paper size is incorrect when compiling to a pdf-file (the text falls partly off the page). To avoid this problem it is highly recommended to use the `pdflatex` command for compilation

```
pdflatex filename.tex
```

If you have figures in the EPS format, either convert them to PDF, or add

```
\usepackage{epstopdf}
```

to the preamble.

8 Fonts

To maintain the same look when viewing or printing your paper on another machine, all the fonts used in the PDF file must be embedded or subset embedded. All the fonts used in the text must be Type 1.

This is easily attained by compiling your \LaTeX file with the `pdflatex` command.

No unembedded fonts are allowed. Type 3 (bitmapped) fonts are allowed only in graphics. Please check the compliancy of your file before submission by using the menu item

File/Properties/Fonts

in Adobe Reader.

9 Paper Submission

Your paper should be uploaded through Submission site <http://cap.physcon.ru> in **PDF format**. Faxed and emailed submissions will not be accepted.

Upon acceptance of the paper you will be requested to submit the source files too.

10 Conclusion

A carefully prepared manuscript that is acceptable without modification will make a better presentation of your work and spare us unnecessary delay in editing the papers.

Acknowledgements

This template was updated in 2019 by Alexander N. Churilov, St. Petersburg State University, Russia, from the template prepared for ENOC 2005, Eindhoven by Remco I. Leine, Center of Mechanics IMES, ETH. Modified for CAP journal based on experience of PhysCon conferences.

References

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- Sato, R. (1989). EMC — The past, present and future. In *Proc. Int. Symp. Electromagn. Compat.*, Nagoya, Japan, Sept. 8–10, pp. 1–9.
- Wang, J., Sasabe, K., and Fujiwara, O. (2002). A simple method for predicting common-mode radiation from a cable attached to a conducting enclosure. *IEICE Trans. Commun.*, **E85-B**(7), pp. 1360–1367.

Appendix A Head of an Appendix

Avoid using appendices.