

A SAMPLE FILE FOR USING THE L^AT_EX-CLASS jalc

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ABSTRACT

This document provides a sample file in which the L^AT_EX2e document class jalc is used and explained.

Keywords: document class, L^AT_EX, type setting

1. Introduction

An introduction to the topic which you have investigated and in which you have obtained results you would like to make known to other researchers should be given as a first part¹ of your paper.

This document provides a sample file in which the L^AT_EX2e document class jalc is used and explained.

This paper is an example for using the ‘jalc’ document class.


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^(D)Supported by GIOCHI Grant Agency.

^(E)During the period January 2009 – June 2009, this author will be wandering around the North Pole, and hence not accessible at the address shown above.

^(F)This department will be renamed to ‘Dipartimento di Scienze Naturali’.

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¹after an abstract and keywords

2. Main Results

Put the main part of your paper here ...

The section titles should be set with capitalized main words. Please pay attention to the following instructions!

Theorem 1. *This is a sample theorem. All such environments (as theorems, lemmas, corollaries, examples, and so on) are numbered consecutively. If you define your own environments, they must follow this style.*

Proof. A new environment following this enumeration is obtained, for instance, as follows:

```
\newtheorem{exercise}[theorem]{Exercise}
```

Changing the font shape (italics or upright) of existing environments is not allowed (nor going around this request by defining new but similar environments). \square

Theorem 2. *Proofs should follow their statements.*

You are encouraged to set a proof immediately after its statement. If you need some text between statement and proof, then use the environment `proofof` for the proof.

Proof of Theorem 2. Attach a label to the statement, e. g. `thm-proofs`, and then use

```
\begin{proofof}{Theorem~\ref{thm-proofs}}
\end{proofof}
```

The end-of-proof symbol is set automatically. Do not change its appearance! \square

Theorem 3. *The page layout and fonts must not be changed.*

Remark 4. For a remark, use the environment `remark`. The end symbol is set automatically. Please do not change it! \diamond

Example 5. For an example, use the environment `example`. The end symbol is set automatically. Please do not change it! \blacksquare

Theorem 6. *A sentence should always start with a textual word, especially, not with a number or another mathematical expression and not with an abbreviation.*

Proof. Please rephrase such occurrences before you submit a paper! \square

Lemma 7. *Also a line should start with a textual word, especially, not with a number or another mathematical expression and not with an abbreviation.*

Proof. Please rephrase such occurrences before you submit a paper! \square

Lemma 8. *Long mathematical expressions should be set in displaymode in order to increase the readability.*

Proof. Instead of defining a grammar $G = (\{S, A, B, C\}, \{a_1, \dots, a_n, b\}, \{S \rightarrow ASB, S \rightarrow ACB, A \rightarrow a_1 \cdots a_n, B \rightarrow a_n \cdots a_1, C \rightarrow b^{42}\}, S)$, you should write

$$G = (\{S, A, B, C\}, \{a_1, \dots, a_n, b\}, P, S)$$

with

$$P = \{S \rightarrow ASB, S \rightarrow ACB, A \rightarrow a_1 \cdots a_n, B \rightarrow a_n \cdots a_1, C \rightarrow b^{42}\}$$

instead. □

For figures and tables, please use the appropriate \LaTeX environments. The caption of a figure is placed at the bottom of the figure, the caption of a table on top.

The references [1], [2], [3], [4], [5] are set here in order to obtain a list with several kinds of publications.

Theorem 9. *Please use BibTeX together with the style file `jalc.bst` and send us the bib-file when your paper has been accepted. Please provide complete data, especially, full journal names, full book titles, and editors.*

Finally, we have an exercise:

Exercise 10. *Take a paper and incorporate it into this sample file!*

Acknowledgement

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References

- [1] A. ALHAZOV, J. DASSOW, C. MARTÍN-VIDE, Y. ROGOZHIN, B. TRUTHE, On networks of evolutionary processors with nodes of two types. *Fundamenta Informaticae* **91** (2009), 1–15.
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- [3] G. ROZENBERG, A. SALOMAA, *Handbook of Formal Languages*. Springer-Verlag, Berlin, 1997.
- [4] B. TRUTHE, A survey on computationally complete accepting and generating networks of evolutionary processors. In: J. DURAND-LOSE, GY. VASZIL (eds.), *Machines, Computations, and Universality; 9th International Conference, MCU 2022, Debrecen, Hungary, August 31 – September 2, 2022, Proceedings*. LNCS 13419, Springer, 2022, 12–26.
- [5] B. WIEDEMANN, *Vergleich der Leistungsfähigkeit endlicher determinierter Automaten*. Diplomarbeit, Universität Rostock, 1978.

An appendix in a journal should normally be avoided. But in case, it is needed, use the `appendix` environment.

A. Before sending your submission

Prepare a `*.pdf` output containing your contribution, compiled with the ‘`sub`’ class option on.

B. Before sending the final version after acceptance

Prepare the following files for the accepted contribution:

- (i) Either a `*.pdf` output containing your contribution, compiled with the ‘`acc`’ class option on. This is required for comparison with the output produced by volume editors.
- (ii) A \LaTeX source `*.tex` file. If your input is scattered in several files (e.g., you used the `\input{.}` command), make sure that the paper compiles well with all input files placed in a single file directory (folder), not depending on the path from the root of your disk volume, and send all necessary files. In this case, the main file should be named ‘`main.tex`’.