INSTRUCTIONS FOR TYPESETTING CAMERA-READY MANUSCRIPTS [1]

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ABSTRACT

The abstract should summarize the context, content and conclusions of the paper in less than 200 words. It should not contain any references or displayed equations. Types the abstract in 9 pt Times Roman, baselineskip of 11 pt.

Keywords: list four to six keywords here.

1. General Appearance

The submissions to the Workshop *Descriptional Complexity of Automata, Grammars and Related Structures* will be reproduced by photographing the printout of the author's submitted PostScript file. It is therefore essential that the manuscript be in its final form, and of good appearance because it should be printed directly without any editing.

If you use LaTeX, please use the sty-file `dca.sty`, i. e.

```
\documentstyle[dcagrs,11pt]{article}
```

If you not use LaTeX, please try to submit Source files and the corresponding PostScript file, the layout of which is mostly equal to this example.

The PostScript file should be of high resolution (300 dots/inch or better 600 dots/inch).

2. The Main Text

Contributions are to be in English. Abbreviations are allowed but should be spelt out in full when first used. The text is to be typeset in 11 pt Times Roman, single spaced with baselineskip of 13.6 pt. Text area (excluding running title) is 24 cm across and 16 cm. Final pagination and insertion of running titles will be done by the publisher (if you not use LaTeX).

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[3]Typeset the title in 12 pt Times Roman, uppercase and boldface.
[3]Typeset the author names in 10 pt Times Roman, small capitals.
[3]Typeset the address in 10 pt Times Italic; the email-address in 10 pt Times typewriter.

3. Major Headings

Major headings should be typeset in 11 pt boldface with the first letter of important words capitalized.

3.1. Sub-headings

Sub-headings should be typeset in 11 pt italic with the first letter of important words capitalized.

3.1.1. Sub-Subheadings

Sub-Subheadings should be typeset in 11 pt italic with the first letter of important words capitalized.

3.2. Numbering

Sections, sub-sections and sub-subsections are numbered in Arabic.

3.3. Lists of Items

Lists may be laid out with each item marked by a dot, subitems by a "–":

- item one,
- item two:
  - subitem one,
  - subitem two.
- item three.

Items may also be numbered in arabic, subitems in letters:

1. item one,
2. item two:
   (a) subitem one,
   (b) subitem two.
3. item three.

or in lowercase Roman numerals (e. g. for lists in theorems and definitions):

(i) item one,
(ii) item two.

4. Equations

Displayed Equations should be typed with left margin of 9 mm. In LaTeX, please use

```
\begin{displaymath} ... \end{displaymath}
```

or

```
\[ ... \]
```

e. g.

$$n > m \cdot \Big(1 + \log \frac{n(n-1)}{2} + \log m\Big).$$

If you use numbered equations like

$$n > m \cdot \Big(1 + \log \frac{n(n-1)}{2} + \log m\Big), \tag{4.1}$$

then they should be referred to in abbreviated form, e. g. "Eq. (4.1)" or "(4.1)".

Standard English letters like x are to appear as x (italicized) in the text if they are used as mathematical symbols. Punctuation marks are used at the end of equations as if they appeared directly in the text.

5. Definitions, Theorems etc.

Theorem 1 *Definitions, theorems, lemmas, etc. are to be numbered consecutively in the paper or in the section and should be typed in Italics.*

Proof. Proofs should end with a box. For LaTeX there are provided the environments "`proof`" (with box) and "`proof*`" (without box) in the sty-file. □

Remark 1 Remarks and Examples should be typed in Roman.

Example In the sty-file `dcs.sty` some environments without numbering are already provided: `theoremw, lemmaw, corollaryw, examplew, definitionw, remarkw`

6. Figures and Tables

Figures are to be inserted in the text nearest their first reference. Figures are to be sequentially numbered in Arabic numerals. The caption must be placed below the figure. Typeset in 10 pt Times Roman.

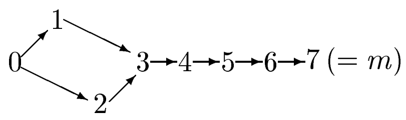

Figure 1: Lattices induced by Λ's coupled with initializing sequences

In LaTeX, please use the `figure`- and `table`-environment.

In LaTeX, for photos and pictures in other formats, please transform them in PostScript format and use `epsfig` to include them in the paper.

7. Footnotes

Footnotes should be numbered in arabic numerals.[4]

Acknowledgements

This section should come before the References, without numbering.

[4] Footnotes should be typeset in 9 pt Roman at the bottom of the page.

References

[1] *References* are to be listed in alphabetical order. Use the style shown the following examples. For journal names, you may use the standard abbreviations. Typ references in 11 pt Roman. For citations use brackets like [2] or [4, 5].

[2] D. Angluin, Finding patterns common to a set of strings. *Journal of Computer and System Sciences* **21** (1980), 46–62.

[3] S. A. Gabrielian, Pure grammars and pure languages. Techn. rep. CSRR 2027, Univ. of Waterloo, Dept. of Computer Science, 1970.

[4] P. Goralčík, V. Koubek, On discerning words by automata. In: L. Kott (ed.), *Proc. 13th Int. Conf. on Automata, Languages, and Programming* (*ICALP*). LNCS **226**, Springer-Verlag, 1986, 116–122.

[5] E. F. Moore, Gedanken-experiments on sequential machines. In: C. E. Shannon, J. McCarthy (eds.), *Automata Studies*. Vol. 34 of Annals of Mathematics Studies, Princeton University Press, Princeton, 1956, 129–153.

[6] A. Salomaa, *Formal Languages*. Academic Press, New York, London, 1973.