

A SMALL EXAMPLE FOR USING THE OCG CLASS

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Abstract

Put in your abstract here.

1. Introduction

The first section starts with a motivation for your paper. Explain the main achievements of your results in relation to previous ones.

In order to obtain a list of references to literature in the end, we cite here a journal article ([1]), a book by authors ([6]), a book by editors ([2]), an article in a collection ([4]), proceedings ([7]), a conference paper ([5]), a diploma thesis ([9]), a PhD thesis ([8]), and a technical report ([3]).

Please use BibT_EX for generating a list of references. An example `bib`-file is given in the appendix.

The first names in the list of references will be abbreviated. For certain names, you probably would like to have more than one letter in the abbreviation (for example: ‘Gh.’ instead of ‘G.’ for ‘Gheorghe’ or ‘Gy.’ instead of ‘G.’ for ‘György’). In such cases, you should put the command `\relax` before the intended abbreviation and set both in brackets (e. g., `{\relax Gh}eorghe`).

1.1. Subsection

If necessary, take subsections.

^(A)The work of this paper was done during a stay of the first author at the university *ABC*.

^(B)The second author was supported by the foundation *XYZ*.

1.1.1. Subsubsection

Use subsubsections only in special cases.

2. Results

Describe your main results, elaborate on the proofs.

Theorem 2.1 *There are environments for theorems, lemmas, corollaries, propositions, proofs, definitions, examples, and remarks provided.*

Proof. The syntax is as follows:

```
\begin{X}
\end{X}
```

where X stands for either `theorem`, `lemma`, `corollary`, `proposition`, `proof`, `definition`, `example`, or `remark`. □

2.1. Lists

Besides the usual lists, the following lists are also provided:

The environment `btlists` yields a list where the items are indented and given with a dash; the spacing between two items is smaller than in the `itemize`-environment:

- An item,
- another one.

The environment `btlists*` yields a list as before, but the items are not indented:

- An item,
- another one.

With `btlistrm`, you obtain a list, where the items are enumerated with small roman numbers in brackets typed in upright font, even if the surrounding text is in italics:

- (i) *An item,*
- (ii) *another one.*

With `btlistkla`, you obtain a list, where the items are enumerated with small latin letters in brackets typed in upright font, even if the surrounding text is in italics:

- (a) *An item,*
- (b) *another one.*

With `btlisti`, you obtain a list, where the items are enumerated with arabic numbers in brackets typed in upright font, even if the surrounding text is in italics:

- (1) *An item,*
- (2) *another one.*

3. Conclusions

Give a short summary of the results obtained in your paper.

Acknowledgements

This document class was obtained by modifying the class file developed for DCFS 2007 by Viliam Geffert.

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, 1–15.
- [2] H. BORDIHN, M. KUTRIB, B. TRUTHE (eds.), *Languages Alive – Essays Dedicated to Jürgen Dassow on the Occasion of His 65th Birthday*. LNCS 7300, Springer-Verlag Berlin, 2012.
- [3] E. CSUHAJ-VARJÚ, J. DASSOW, M. HOLZER, *On A Competence-based Cooperation Strategy in CD Grammar Systems*. Technical Report 2004/3, MTA SZTAKI Budapest, 2004.
- [4] J. DASSOW, Parikh mapping and iteration. In: C. S. CALUDE, GH. PĂUN, G. ROZENBERG, A. SALOMAA (eds.), *Multiset Processing*. LNCS 2235, Springer-Verlag, Berlin, 2001, 85–101.
- [5] J. DASSOW, Subregular Restrictions for Some Language Generating Devices. In: FREUND et al. [7], 2012, 11–26.
- [6] J. DASSOW, GH. PĂUN, *Regulated Rewriting in Formal Language Theory*. EATCS Monographs in Theoretical Computer Science 18, Springer-Verlag Berlin, 1989.
- [7] R. FREUND, M. HOLZER, B. TRUTHE, U. ULTES-NITSCHKE (eds.), *Fourth Workshop on Non-Classical Models of Automata and Applications (NCMA), Fribourg, Switzerland, August 23–24, 2012, Proceedings*. books@ocg.at 290, Österreichische Computer Gesellschaft, Austria, 2012.
- [8] B. TRUTHE, *Endlichkeit von Bildsprachen synchroner, kontextfreier Ketten-Code-Bild-Systeme*. Dissertation, Otto-von-Guericke-Universität Magdeburg, 2005. Shaker-Verlag Aachen, ISBN: 3-8322-4223-6.
- [9] B. WIEDEMANN, *Vergleich der Leistungsfähigkeit endlicher determinierter Automaten*. Diplomarbeit, Universität Rostock, 1978.

Appendix: The Content of the Example Bibliography File

```
@article{ADMRT09,
  author      = {Artiom~Alhazov and J{\u}rgen~Dassow and Carlos~Mart\`{\i}n-Vide
                and Yurii~Rogozhin and Bianca~Truthe},
  title       = {{On Networks of Evolutionary Processors with Nodes of Two Types}},
  journal     = {Fundamenta Informaticae},
  volume     = 91,
  number     = 1,
  pages      = {1--15},
  year       = 2009
}
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@book{DasPau89,
  author      = {J{\u}rgen~Dassow and {\relax Gh}eorghe~P\u{a}un},
  title       = {{Regulated Rewriting in Formal Language Theory}},
  publisher   = {Springer-Verlag Berlin},
  year       = 1989,
  volume     = 18,
  series     = {EATCS Monographs in Theoretical Computer Science}
}
```

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@book{BorKutTru12,
  editor      = {Henning~Bordihn and Martin~Kutrib and Bianca~Truthe},
  title       = {{Languages Alive -- Essays Dedicated to J{\u}rgen Dassow
                on the Occasion of His 65th Birthday}},
  publisher   = {Springer-Verlag Berlin},
  series     = {LNCS},
  volume     = {7300},
  year       = 2012,
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}
```

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@incollection{Das01b,
  author      = {J{\u}rgen~Dassow},
  title       = {{Parikh mapping and iteration}},
  booktitle   = {{Multiset Processing}},
  editor      = {Cristian~S.~Calude and {\relax Gh}eorghe~P\u{a}un and
                Grzegorz~Rozenberg and Arto~Salomaa},
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  pages      = {85--101}
}
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@proceedings{FreHolTruUUN12,
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                and Ulrich Ultes-Nitsche},
  title       = {{Fourth Workshop on Non-Classical Models of Automata
                and Applications (NCMA), Fribourg, Switzerland,
                August 23--24, 2012, Proceedings}},
  year       = {2012},
}
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}

@inproceedings{Das12,
  author      = {J{\u}rgen Dassow},
  title       = {{Subregular Restrictions for Some Language Generating Devices}},
  year        = {2012},
  pages       = {11--26},
  crossref    = {FreHolTruUUN12}
}

@mastersthesis{Wi78,
  author      = {Barbara~Wiedemann},
  title       = {Vergleich der Leistungsf~ahigkeit endlicher determinierter Automaten},
  type        = {Diplomarbeit},
  school      = {Universit~at Rostock},
  year        = {1978}
}

@phdthesis{Tru05,
  author      = {Bianca~Truthe},
  title       = {{Endlichkeit von Bildsprachen synchroner,
  kontextfreier Ketten-Code-Bild-Systeme}},
  school      = {Otto-von-Guericke-Universit~at Magdeburg},
  year        = {2005},
  type        = {Dissertation},
  note        = {Shaker-Verlag Aachen, ISBN: 3-8322-4223-6}
}

@techreport{CsuDasHol04a,
  author      = {Erzs~ebet~Csuhaj-Varj~u and J{\u}rgen~Dassow
  and Markus~Holzer},
  title       = {{On A Competence-based Cooperation Strategy in
  CD Grammar Systems}},
  institution = {MTA SZTAKI Budapest},
  year        = {2004},
  number      = {2004/3}
}
```

