

# BRIOxAlkemy: A Bias detecting tool<sup>\*</sup>

Dmitry S. Kulyabov<sup>1,2,\*,†</sup>, Ilaria Tiddi<sup>3,†</sup> and Manfred Jeusfeld<sup>4,†</sup>

<sup>1</sup>Peoples' Friendship University of Russia (RUDN University), 6 Miklukho-Maklaya St, Moscow, 117198, Russian Federation

<sup>2</sup>Joint Institute for Nuclear Research, 6 Joliot-Curie, Dubna, Moscow region, 141980, Russian Federation

<sup>3</sup>Vrije Universiteit Amsterdam, De Boelelaan 1105, 1081 HV Amsterdam, The Netherlands

<sup>4</sup>University of Skövde, Högskölevägen 1, 541 28 Skövde, Sweden

## Abstract

A clear and well-documented  $\LaTeX$  document is presented as an article formatted for publication by CEUR-WS in a conference proceedings. Based on the “ceurart” document class, this article presents and explains many of the common variations, as well as many of the formatting elements an author may use in the preparation of the documentation of their work.

## Keywords

LaTeX class, paper template, paper formatting, CEUR-WS

## 1. Introduction

@UNIMI

## 2. Theory

@UNIMI

## 3. Implementation

@Alkemy

## 4. Validation

@Alkemy

---

Woodstock'22: Symposium on the irreproducible science, June 07–11, 2022, Woodstock, NY

<sup>\*</sup>You can use this document as the template for preparing your publication. We recommend using the latest version of the ceurart style.

<sup>\*</sup>Corresponding author.

<sup>†</sup>These authors contributed equally.

✉ kulyabov-ds@rudn.ru (D. S. Kulyabov); i.tiddi@vu.nl (I. Tiddi); Manfred.Jeusfeld@acm.org (M. Jeusfeld)

🌐 <https://yamadharma.github.io/> (D. S. Kulyabov); <https://kmitd.github.io/ilaria/> (I. Tiddi);

<http://conceptbase.sourceforge.net/mjf/> (M. Jeusfeld)

🆔 0000-0002-0877-7063 (D. S. Kulyabov); 0000-0001-7116-9338 (I. Tiddi); 0000-0002-9421-8566 (M. Jeusfeld)



© 2022 Copyright for this paper by its authors. Use permitted under Creative Commons License Attribution 4.0 International (CC BY 4.0).

CEUR Workshop Proceedings (CEUR-WS.org)

## 5. Conclusions and Further Work

@UNIMI

## 6. Acknowledgments

Identification of funding sources and other support, and thanks to individuals and groups that assisted in the research and the preparation of the work should be included in an acknowledgment section, which is placed just before the reference section in your document.

This section has a special environment:

```
\begin{acknowledgments}
  These are different acknowledgments.
\end{acknowledgments}
```

so that the information contained therein can be more easily collected during the article metadata extraction phase, and to ensure consistency in the spelling of the section heading.

Authors should not prepare this section as a numbered or unnumbered `\section`; please use the “acknowledgments” environment.

## Acknowledgments

Thanks to the developers of ACM consolidated LaTeX styles <https://github.com/borisveytsman/acmart> and to the developers of Elsevier updated  $\LaTeX$  templates <https://www.ctan.org/tex-archive/macros/latex/contrib/els-cas-templates>.

## References

- [1] L. Lamport,  $\LaTeX$ : A Document Preparation System, Addison-Wesley, Reading, MA., 1986.
- [2] P. S. Abril, R. Plant, The patent holder’s dilemma: Buy, sell, or troll?, *Communications of the ACM* 50 (2007) 36–44. doi:10.1145/1188913.1188915.
- [3] S. Cohen, W. Nutt, Y. Sagic, Deciding equivalences among conjunctive aggregate queries, *J. ACM* 54 (2007). doi:10.1145/1219092.1219093.
- [4] J. Cohen (Ed.), Special issue: Digital Libraries, volume 39, 1996.
- [5] D. Kosiur, *Understanding Policy-Based Networking*, 2nd. ed., Wiley, New York, NY, 2001.
- [6] D. Harel, *First-Order Dynamic Logic*, volume 68 of *Lecture Notes in Computer Science*, Springer-Verlag, New York, NY, 1979. doi:10.1007/3-540-09237-4.
- [7] I. Editor (Ed.), The title of book one, volume 9 of *The name of the series one*, 1st. ed., University of Chicago Press, Chicago, 2007. doi:10.1007/3-540-09237-4.
- [8] I. Editor (Ed.), The title of book two, The name of the series two, 2nd. ed., University of Chicago Press, Chicago, 2008. doi:10.1007/3-540-09237-4.
- [9] A. Z. Spector, Achieving application requirements, in: S. Mullender (Ed.), *Distributed Systems*, 2nd. ed., ACM Press, New York, NY, 1990, pp. 19–33. doi:10.1145/90417.90738.

- [10] B. P. Douglass, D. Harel, M. B. Trakhtenbrot, Statecharts in use: structured analysis and object-orientation, in: G. Rozenberg, F. W. Vaandrager (Eds.), *Lectures on Embedded Systems*, volume 1494 of *Lecture Notes in Computer Science*, Springer-Verlag, London, 1998, pp. 368–394. doi:10.1007/3-540-65193-4\_29.
- [11] D. E. Knuth, *The Art of Computer Programming*, Vol. 1: Fundamental Algorithms (3rd. ed.), Addison Wesley Longman Publishing Co., Inc., 1997.
- [12] S. Andler, Predicate path expressions, in: *Proceedings of the 6th. ACM SIGACT-SIGPLAN symposium on Principles of Programming Languages, POPL '79*, ACM Press, New York, NY, 1979, pp. 226–236. doi:10.1145/567752.567774.
- [13] S. W. Smith, An experiment in bibliographic mark-up: Parsing metadata for xml export, in: R. N. Smythe, A. Noble (Eds.), *Proceedings of the 3rd. annual workshop on Librarians and Computers*, volume 3 of *LAC '10*, Paparazzi Press, Milan Italy, 2010, pp. 422–431. doi:99.9999/woot07-S422.
- [14] M. V. Gundy, D. Balzarotti, G. Vigna, Catch me, if you can: Evading network signatures with web-based polymorphic worms, in: *Proceedings of the first USENIX workshop on Offensive Technologies, WOOT '07*, USENIX Association, Berkley, CA, 2007.
- [15] D. Harel, LOGICS of Programs: AXIOMATICS and DESCRIPTIVE POWER, MIT Research Lab Technical Report TR-200, Massachusetts Institute of Technology, Cambridge, MA, 1978.
- [16] K. L. Clarkson, *Algorithms for Closest-Point Problems (Computational Geometry)*, Ph.D. thesis, Stanford University, Palo Alto, CA, 1985. UMI Order Number: AAT 8506171.
- [17] D. A. Anisi, *Optimal Motion Control of a Ground Vehicle*, Master's thesis, Royal Institute of Technology (KTH), Stockholm, Sweden, 2003.
- [18] H. Thornburg, *Introduction to bayesian statistics*, 2001. URL: <http://ccrma.stanford.edu/~jos/bayes/bayes.html>.
- [19] R. Ablamowicz, B. Fauser, Clifford: a maple 11 package for clifford algebra computations, version 11, 2007. URL: <http://math.tntech.edu/rafal/cliff11/index.html>.
- [20] Poker-Edge.Com, Stats and analysis, 2006. URL: <http://www.poker-edge.com/stats.php>.
- [21] B. Obama, A more perfect union, Video, 2008. URL: <http://video.google.com/videoplay?docid=6528042696351994555>.
- [22] D. Novak, Solder man, in: *ACM SIGGRAPH 2003 Video Review on Animation theater Program: Part I - Vol. 145 (July 27–27, 2003)*, ACM Press, New York, NY, 2003, p. 4. URL: <http://video.google.com/videoplay?docid=6528042696351994555>. doi:99.9999/woot07-S422.
- [23] N. Lee, Interview with bill kinder: January 13, 2005, *Comput. Entertain.* 3 (2005). doi:10.1145/1057270.1057278.
- [24] J. Scientist, The fountain of youth, 2009. Patent No. 12345, Filed July 1st., 2008, Issued Aug. 9th., 2009.
- [25] B. Rous, The enabling of digital libraries, *Digital Libraries* 12 (2008). To appear.
- [26] M. Saeedi, M. S. Zamani, M. Sedighi, A library-based synthesis methodology for reversible logic, *Microelectron. J.* 41 (2010) 185–194.
- [27] M. Saeedi, M. S. Zamani, M. Sedighi, Z. Sasanian, Synthesis of reversible circuit using cycle-based approach, *J. Emerg. Technol. Comput. Syst.* 6 (2010).
- [28] M. Kirschmer, J. Voight, Algorithmic enumeration of ideal classes for quaternion orders, *SIAM J. Comput.* 39 (2010) 1714–1747. URL: <http://dx.doi.org/10.1137/080734467>. doi:10.

1137/080734467.

- [29] L. Hörmander, The analysis of linear partial differential operators. IV, volume 275 of *Grundlehren der Mathematischen Wissenschaften [Fundamental Principles of Mathematical Sciences]*, Springer-Verlag, Berlin, Germany, 1985. Fourier integral operators.
- [30] L. Hörmander, The analysis of linear partial differential operators. III, volume 275 of *Grundlehren der Mathematischen Wissenschaften [Fundamental Principles of Mathematical Sciences]*, Springer-Verlag, Berlin, Germany, 1985. Pseudodifferential operators.
- [31] IEEE, Ieee tcsc executive committee, in: Proceedings of the IEEE International Conference on Web Services, ICWS '04, IEEE Computer Society, Washington, DC, USA, 2004, pp. 21–22. doi:10.1109/ICWS.2004.64.
- [32] TUG, Institutional members of the  $\text{\TeX}$  users group, 2017. URL: <http://www.tug.org/instmemb.html>.
- [33] R Core Team, R: A language and environment for statistical computing, 2019. URL: <https://www.R-project.org/>.
- [34] S. Anzaroot, A. McCallum, UMass citation field extraction dataset, 2013. URL: <http://www.iesl.cs.umass.edu/data/data-umasscitationfield>.

## A. Online Resources

The sources for the ceur-art style are available via

- GitHub,
- Overleaf template.