

# KWARC Publications 2011-2014

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## Books

- [1] Christoph Lange. *Enabling Collaboration on Semiformal Mathematical Knowledge by Semantic Web Integration*. Studies on the Semantic Web 11. Heidelberg and Amsterdam: AKA Verlag and IOS Press, 2011. ISBN: 978-1-60750-840-3.

## Conference Proceedings Edited

- [2] Petr Sojka and Michael Kohlhase, eds. *DML and MIR 2012*. Masaryk University, Brno, 2012. ISBN: 978-80-210-5542-1.
- [3] J. Davenport, W. Farmer, F. Rabe, and J. Urban, eds. *Intelligent Computer Mathematics*. Vol. 6824. Lecture Notes in Computer Science. Springer, 2011.

## Journal Articles

- [4] Michael Kohlhase. “Mathematical Knowledge Management: Transcending the One-Brain-Barrier with Theory Graphs”. In: *EMS Newsletter* (2014). in press. URL: <http://kwarc.info/kohlhase/papers/ems14.pdf>.
- [5] Mihnea Iancu, Michael Kohlhase, Florian Rabe, and Josef Urban. “The Mizar Mathematical Library in OMDoc: Translation and Applications”. In: *Journal of Automated Reasoning* 50.2 (2013), pp. 191–202. DOI: 10.1007/s10817-012-9271-4. URL: <https://svn.omdoc.org/repos/latin/public/MizarOMDocAppl.pdf>.
- [6] Andrea Kohlhase and Michael Kohlhase. “Spreadsheets with a Semantic Layer”. In: *Electronic Communications of the EASST: Specification, Transformation, Navigation – Special Issue dedicated to Bernd Krieg-Brückner on the Occasion of his 60th Birthday* 62 (2013). Ed. by Till Mossakowski, Markus Roggenbach, and Lutz Schröder, pp. 1–20. URL: <http://journal.ub.tu-berlin.de/eceasst/article/view/870>.
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- [9] Manfred Kerber and Michael Kohlhase. “Reasoning without Believing: On the mechanization of Presuppositions and partiality”. In: *Journal of Applied Non-Classical Logics* 22.4 (2012), pp. 295–317. DOI: 10.1080/11663081.2012.705962.
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- [11] Florian Rabe. “A Logical Framework Combining Model and Proof Theory”. In: *Mathematical Structures in Computer Science* (2012). URL: [http://kwarc.info/frabe/Research/rabe\\_combining\\_10.pdf](http://kwarc.info/frabe/Research/rabe_combining_10.pdf). Forthcoming.
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- [13] F. Horozal and F. Rabe. “Representing Model Theory in a Type-Theoretical Logical Framework”. In: *Theoretical Computer Science* 412.37 (2011), pp. 4919–4945.
- [14] Mihnea Iancu and Florian Rabe. “Formalizing Foundations of Mathematics”. In: *Mathematical Structures in Computer Science* 21.4 (2011), pp. 883–911.
- [15] Michael Kohlhase, Joe Corneli, Catalin David, Deyan Ginev, Constantin Jucovschi, Andrea Kohlhase, Christoph Lange, Bogdan Matican, Stefan Mirea, and Vyacheslav Zholudev. “The Planetary System: Web 3.0 & Active Documents for STEM”. In: *Proceedia Computer Science* 4 (2011): *Special issue: Proceedings of the International Conference on Computational Science (ICCS)*. Ed. by Mitsuhsa Sato, Satoshi Matsuoka, Peter M. Sloot, G. Dick van Albada, and Jack Dongarra. Finalist at the Executable Paper Grand Challenge, pp. 598–607. DOI: 10.1016/j.procs.2011.04.063. URL: <https://svn.mathweb.org/repos/planetary/doc/epc11/paper.pdf>.

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- [16] Christoph Lange and Michael Kohlhase. “Mashups using Mathematical Knowledge”. In: *Semantic Mashups. Intelligent Reuse of Web Resources*. Ed. by Brigitte Endres-Niggemeyer. Springer, 2013, pp. 171–204. ISBN: 978-3-642-36402-0. URL: <https://sites.google.com/site/mashupbookchapters/>.

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- [17] Andrea Kohlhase, Michael Kohlhase, Constantin Jucovschi, and Alexandru Toader. “Full Semantic Transparency: Overcoming Boundaries of Applications”. In: *Human-Computer Interaction – INTERACT 2013*. Ed. by Paula Kotzé, Gary Marsden, Gitte Lindgaard, Janet Wesson, and Marco Winckler. Vol. 8119. LNCS. Heidelberg: Springer, 2013, pp. 406–423. ISBN: 978-3-642-40476-4. URL: [http://kwarc.info/kohlhase/papers/Interact2013\\_FST.pdf](http://kwarc.info/kohlhase/papers/Interact2013_FST.pdf).
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## Standards and Accompanying Documentation

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## Theses

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