PROCEEDINGS OF THE LEIDEN NUMERATION CONFERENCE

The Leiden Numeration conference was held June 7-18, 2010 at the Lorentz Center of Leiden University, The Netherlands. In the first week there was an instructional conference meant for young researchers. Mark Pollicott, Vilmos Komornik, Mike Keane and Boris Adamczewski gave introductory lectures. There were forty-six participants. In the second week there was a workshop with fifteen invited speakers and a total of sixty-seven partcipants. Each invited speaker gave a one-hour lecture.

This volume consists of seventeen refereed articles, which are expanded and revised versions of talks presented at the conference. Among them are surveys, research papers and papers with a mixed character. They present a broad range of topics in the areas of number theory, ergodic theory, symbolic dynamics, and combinatorics on words, but also on applications of numeration in automata theory, pattern recognition, and formal languages.

The conference was made possible with the generous support of the Lorentz Center, the Royal Netherlands Academy of Arts and Sciences, and the DIAMANT Cluster. We are grateful to the Lorentz Center for the perfect organization and to the Editors of Integers for their support in publishing these proceedings.

This conference fits into a series of conferences related to Numeration. The Proceedings of an earlier conference in this series appeared as part of Volume 9 of this journal. We anticipate that the proceedings of the next conference in this series, in Liege, will also be published in this journal.

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