Jan Chleboun; Petr Přikryl; Karel Segeth; Jakub Šístek; Tomáš Vejchodský Preface

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Preface

This volume comprises peer-reviewed papers that are based on invited lectures, survey lectures, short communications, and posters presented at the 17th seminar Programs and Algorithms of Numerical Mathematics (PANM) held in Dolní Maxov, Czech Republic, June 8–13, 2014.

The seminar was organized by the Institute of Mathematics of the Academy of Sciences of the Czech Republic. It continued the previous seminars on mathematical software and numerical methods held (with only one exception) biannually in Alšovice, Bratříkov, Janov nad Nisou, Kořenov, Lázně Libverda, Dolní Maxov, and Prague in the period 1983–2012. The objective of this series of seminars is to provide a forum for presenting and discussing advanced topics in numerical analysis, single-or multi-processor applications of computational methods, and new approaches to mathematical modeling.

More than 60 participants from the field took part in the seminar, most of them from Czech universities and from institutes of the Academy of Sciences of the Czech Republic but also from Slovakia and the United States. We appreciate the traditional participation of a significant number of young scientists, PhD students, and also some undergraduate students at the PANM seminar. We wish to believe that also those, who took part in the seminar for the first time, have found the atmosphere of the seminar friendly and working, and will join the PANM community.

The organizing committee consisted of Jan Chleboun, Petr Přikryl, Karel Segeth, Jakub Šístek, and Tomáš Vejchodský. Ms Hana Bílková kindly prepared the electronic version of the book.

All papers have been reproduced directly from materials submitted by the authors. Naturally, an attempt has been made to unify the layout of papers. A unique feature of this volume of proceedings is a photograph of the participants in front of Maxov Hotel.

By chance, we have found an undated postcard with Maxov Hotel and vicinity. We guess from several clues that this winter photograph was taken in about 1962. We believe that the members of the PANM seminar will find this photograph interesting and we publish it in the proceedings, too.

The editors and organizers wish to thank all the participants for their valuable contributions and, moreover, all the distinguished scientists who took a share in reviewing the submitted manuscripts.

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