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

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Preface

This book comprises papers that originated from invited lectures and short communications presented at the seminar Programs and Algorithms of Numerical Mathematics held in Dolní Maxov, Czech Republic, June 1–6, 2008.

The seminar was organized by the Institute of Mathematics of the Academy of Sciences of the Czech Republic and continued the previous seminars on mathematical software and numerical methods held (mostly biannually) in Alšovice, Bratříkov, Janov nad Nisou, Kořenov, Lázně Libverda, Dolní Maxov, and Prague in the period 1983–2006. The objective of this series of seminars is to provide a forum for presentation and discussion of advanced topics in numerical analysis, new approaches to mathematical modeling, and single- or multi-processor applications of computational methods.

Almost 50 participants from the field took part in the seminar, most of them form the Czech universities and from the institutes of the Academy of Sciences of the Czech Republic. The participation of a significant number of young scientists, PhD students, and also some undergraduate students is an established tradition of the PANM seminar; this year was not an exception. We believe that those who took part in the PANM seminar for the first time found the seminar worth their time and money, and that they will join the PANM community and will participate in the next PANM seminar, too.

The organizing committee consisted of Jan Chleboun, Pavel Kůs, Petr Přikryl, Karel Segeth, and Tomáš Vejchodský. Mrs Hana Bílková kindly helped in preparing manuscripts for print.

All papers have been reproduced directly from material submitted by the authors but an attempt has been made to use a unified layout for each paper.

The editors and organizers wish to thank all distinguished scientists who took a share in reviewing the submitted manuscripts.

J. Chleboun, P. Přikryl, K. Segeth, T. Vejchodský