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PROCEEDINGS OF THE 9TH SEMINAR
“PROGRAMS AND ALGORITHMS OF NUMERICAL
MATHEMATICS”

PREFACE

This issue of *Applications of Mathematics* contains extended versions of selected contributions delivered at the seminar *Programs and Algorithms of Numerical Mathematics* (PANM'98), held in Kořenov, Czech Republic, June 8–12, 1998.

PANM'98 was the ninth of the series of PANM meetings organized by the Mathematical Institute of the Academy of Sciences of the Czech Republic. The first meeting took place in Alšovice, Czech Republic, in 1983. Because of its great success the organizers decided to repeat such a seminar after a year, and then biennially. PANM'98 is the first seminar the proceedings of which (or a part of them, more accurately) are published in a journal. The short versions of all contributions presented at the seminar were published by the Mathematical Institute of the Academy of Sciences as a booklet in 1998 (in Czech mostly).

The main object of all the PANM seminars has been to provide an opportunity for information exchange and to contribute to the integration of the effort of specialists working in the field of scientific computing in the Czech Republic.

The program of the seminar was devoted to the implementation of the algorithms of numerical analysis and to the experience with various mathematical software packages. Most of the contributions dealt with the software for PC's and workstations, however, also the software for supercomputers, parallel and distributed computer systems, and computer networks was discussed.

About 50 specialists from the field took part in the seminar, most of them from the institutes of the Academy of Sciences of the Czech Republic and from Czech universities. The Organizing Committee included J. Chleboun, M. Práger, P. Příkrýl, and K. Segeth, all from the Mathematical Institute of the Academy of Sciences of the Czech Republic.

We wish to express our thanks to the Editors of *Applications of Mathematics* for their kind offer to devote this issue to the Proceedings of PANM'98.

Organizing Committee of PANM'98