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To the 70th anniversary of birthday of Prof. Nečas

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TO THE 70TH ANNIVERSARY OF BIRTHDAY OF PROF. NEČAS

Conference Partial Differential Equations and Applications was held in Olomouc, December 13–17, 1999, to honour one of the most famous Czech mathematicians, Professor Jindřich Nečas on the occasion of his 70th birthday. This meeting gathered up mostly collaborators and former students of Professor Nečas and was organized by Instituto Superior Técnico (Lisbon, Portugal), Mathematical Institute of Charles University (Prague), Mathematical Institute of Academy of Sciences of the Czech Republic (Prague), and Palacký University (Olomouc).



Many outstanding mathematicians all over the world, working especially in partial differential equations, calculus of variations, functional analysis and applications of mathematics, presented communications at the conference. The high quality of the papers is reflected in the quality of those accepted for publication in the proceedings. During the event, the book *Applied Nonlinear Analysis*, edited by A. Sequeira, H. Beirão da Veiga and J. Videman (1999, Kluwer Academic/Plenum Publishers, New York) containing contributions of many of his former students and collaborators, was offered to Professor Nečas as a special birthday gift.

Professor Nečas was born in Prague on December 14, 1929. He studied mathematics at the Faculty of Sciences of Charles University in Prague in 1948–1952. After a short period at the Faculty of Civil Engineering of the Czech Technical University, he

joined the Mathematical Institute of the Czechoslovak Academy of Sciences where he became Head of Department of Partial Differential Equations. He has been a member of staff of the Faculty of Mathematics and Physics of Charles University since 1977, Head of Department of Mathematical Analysis in 1967–1971 and, for many years, Head of Department of Mathematical Modelling, and an active and distinguished member of the Scientific Council of the Faculty. Since 1995 he has also been member of staff of Northern Illinois University where he got the Presidential Research Professorship in 1997.



We would like to thank all those who contributed to the success of the conference and thus made a dignified celebration of the 70th birthday of Prof. Nečas possible. The organization of the conference was facilitated by a generous financial support of the AMIF Program from the European Science Foundation. We also want to thank Palacký University, Olomouc, in particular the Faculty of Sciences, for the very important local support; we would like to mention especially the Joint Laboratory of Optics of Palacký University and the Czech Academy of Sciences for the conference facilities and Department of Mathematical Analysis and Applications of Mathematics led by Professor Lubomír Kubáček. Special thanks go to the graduate students of this department for technical help before and during the conference.



We express our gratitude to all organizers of the conference: V. Souček (Math. Institute of Charles University, Prague), P. Krejčí (Math. Institute of the Academy

of Sciences), J. Andres (Palacký University, Olomouc). Our thanks are also due to all other people who took part in the preparatory works of the conference and in the publishing of the book *Nonlinear Applied Analysis*; we would like to mention in particular E. Feireisl, P. Galdi, J. Neustupa, P. Kaplický, S. Kračmar, and I. Straškraba as well as J. Franců for wonderful conference pictures.

We appreciate Prof. Š. Schwabik's help in publishing the conference proceedings in *Mathematica Bohemica* as well as J. Bočková's enthusiasm and effort during their preparation. Thanks are also due to E. Ritterová and to K. Horák who helped with T_EX problems and to J. Jarník for correcting the English.

Finally, on behalf of all participants, we would like to wish good health and many great new ideas in mathematics to Prof. Nečas.

Š. Nečasová, H. Petzeltová, M. Pokorný, A. Sequeira (eds.)

Here we refer only to works published in 1988 and later. For a complete list of publications until 1988, see *Časopis pro pěstování matematiky*, Vol. 114, 1989, No. 4, 412–435. The most significant works can be found in the book *Applied Nonlinear Analysis*.

PART 1: JOURNAL PAPERS

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PART 4: EDITORIAL WORK

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- [2] Partial differential equations (Jäger, W.; Nečas, J.; John, O.; Najzar, K.; Stará, J., eds.). Proceedings of the conference held in Praha, August 10–16, 1998. Theory and numerical solution, Chapman & Hall/CRC, Boca Raton, FL, 2000.
- [3] Advanced topics in theoretical fluid mechanics (Málek, J.; Nečas, J.; Rokyta, M., eds.). Papers from the 5th Winter School on Mathematical Theory in Fluid Mechanics held in Paseky nad Jizerou, December 6–14, 1997, Longman, Harlow, 1998.
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PART 5: OTHER PUBLICATIONS

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