Proceedings

of

Czech - Japanese Seminar in Applied Mathematics 2004

held in Prague on August 4-7, 2004

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Contents

Preface

The first scientific colloquium **Czech-Japanese Seminar in Applied Mathematics** took place on August 4-7, 2004 at the Faculty of Nuclear Sciences and Physical Engineering, Czech Technical University in Prague. It was organized by the Department of Mathematics and was devoted to the meeting of young Czech and Japanese applied mathematicians dealing with numerical solution of partial differential equations, mathematical modelling and numerical simulation of problems in technology, environment, biology and computer science. The meeting was prepared in the collaboration of the CTU in Prague and the Kyushu University in Fukuoka, Japan.

We were pleased by the interest of numerous foreign participants coming not only from Japan. It appeared that the scientific program was filled by very good and motivating lectures allowing an exchange of knowledge in several important areas of applied mathematics related to partial differential equations. As a consequence, we have edited the proceedings containing peer reviewed articles which reflect fruitful atmosphere and interesting composition of topics delivered by the participants.

The organizers

Full information on the meeting as well as the proceedings are available at the address: `http://geraldine.fjfi.cvut.cz`

We gratefully acknowledge help and support of our colleagues at the Faculty of Nuclear Sciences and Physical Engineering, Czech Technical University in Prague which allowed us a smooth run of the meeting. Furthermore we are grateful for the support of the Czech Technical University in Prague through the internal grant No. CTU0415314 "Czech-Japanese Seminar in Applied Mathematics", for the support of the Ministry of Education, Youth and Sport of Czech Republic through the research project No. MSM 98:210000010 "Applications of Mathematics in Technical Sciences" and for the support of the Kyushu University, Fukuoka through the 21st Century COE Program "Development of Dynamic Mathematics with High Functionality".