Preface

PREFACE

As a part of the celebrations of the 500-th anniversary of the foundation of the first high school in Bratislava and the 25-th anniversary of the foundation of the Faculty of natural sciences of the Comenius University the Czechoslovak Conference on Differential Equations and their Applications EQUADIF II was arranged by this faculty from the 1-st to the 7-th of September 1966 in Bratislava.

Under participation of 102 mathematicians from abroad (Australia, Austria, Bulgaria, Canada, Federal German Republic, France, German Democratic Republic, Great Britain, Hungary, Italy, Japan, Poland, Romania, the Soviet Union, the United States of America, Yougoslavia) and under the participation of 160 czechoslovak mathematicians the Conference dealt with the latest results of the ordinary and partial differential equations and their applications.

The scientific part of the Conference compried 13 comprehensive lectures held in plenary sessions, 16 comprehensive lectures and 94 communications delivered in the sections. The Conference dealt in 3 sections: 1) ordinary differential equations, 2) partial differential equations, 3) numerical methods and applications. The present Proceedings contain the complete texts of the comprehensive lectures delivered in plenary sessions as well as the comprehensive lectures held in the sections.

The Conference was prepared by the Organizing Commitee presided by the Academician O. BORŮVKA, Dr. Sc., Prof. M. GREGUŠ, Dr. Sc. was acting as Secretary of the Committee. The members have been: I. BABUŠKA, Dr. Sc., M. BARNOVSKÁ, C. Sc., Prof. J. KURZWEIL, Dr. Sc., Prof. J. NEČAS, Dr. Sc., Doc. M. RÁB, C. Sc., Doc. V. ŠEDA, C. Sc., Prof. M. ŠVEC, Dr. Sc., Prof. M. ZLÁMAL, Dr. Sc.

A large part of the work connected with the preparation of the Conference has been done by the members of the department of Mathematical Analysis of the Faculty of Natural Sciences of the Comenius University as well as by some members of other institutes.

The Conference has been opened by the Academician O. BORŮVKA, on the 1-st of September. On the same day, after the conclusion of the afternoon

lectures, a friendly meeting was convened. On Saturday, the 3-rd of September, most of the participants of the Conference and their guests took part in one of the 3 excursions in Slovakia. On the 5-th of September some of the members of the Conference have been invited by the Chaviman of the Slovak Academy of Sciences, Academician Š. Schwarz, Dr. Sc., to attend a reception. On the 7-th of September all the participants of the Conference took part at the reception given by Minister of National Education and Culture of the Slovak National Council, Dr. M. Lúčan.

For the persons accompanying the members of the Conference a special programme has been organized.