

# EQUADIFF 5

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## Preface

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## PREFACE

The Czechoslovak Conference on Differential Equations and Their Applications - Equadiff 5 - was held in Bratislava from August 24 to August 28, 1981. It was organized by the Faculty of Mathematics and Physics of Comenius University in Bratislava in cooperation with the Mathematical Institute of the Czechoslovak Academy of Science in Prague and other institutes and faculties of the Universities and Technical Universities in Czechoslovak Socialist Republic. It continued the tradition of conferences held in Prague (1962), in Bratislava (1966), in Brno (1972) and again in Prague (1977). The Conference took place as a part of the celebration of the 200th anniversary of birth of the excellent Czech mathematician and philosopher Bernardo Bolzano and the 100th anniversary of birth of the Slovak mathematician Jur Hronec. The Conference was prepared by the Organizing Committee presided by the honourable chairman academician O. Borůvka and chairman Professor RNDr. Michal Greguš, DrSc., the corresponding member of the Czechoslovak and Slovak Academy of Sciences. The executive secretary was Doc. RNDr. Valter Šeda, CSc.

The Conference was attended by 190 participants from Czechoslovakia and 210 participants from all over the world. The scientific program of the Conference comprised 12 invited addresses, 77 invited lectures and 155 scientific communications; the lectures and scientific communications were held simultaneously in four sections:

1. Ordinary Differential Equations;
2. Partial Differential Equations;
3. Numerical Methods of Differential Equations;
4. Applications of Differential Equations.

One of the goals of the Conference was to stimulate cooperation between various branches in differential equations. The Conference gave all participants the opportunity to be acquainted with the results of important specialists in mathematics.

The participants and their accompanying persons could enjoy a rich social program.

This volume contains the texts of plenary addresses and of invited lectures which were held in sections - with some exceptions.

The Editor