Petr Holický; Bohuslav Balcar
Foreword

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This volume contains papers presenting some results lectured at the 27th Winter School on Abstract Analysis 1999.

Traditionally, the conference consisted from two parts. The part devoted to analysis was held from January 23 to January 30 in Lhota nad Rohanovem and the part devoted to topology was held from January 30 to February 6 in Zahrádky u České Lípy.

In both parts, several invited lectures, or series of lectures, were organized. In the first week, two lectures on the Bishop-Phelps theorem in the complex case were delivered by prof. R. Phelps and two lectures on their deep results on the compact covering maps between Borel spaces were given by prof. G. Debs and prof. J. Saint Raymond. In the second week, we had an opportunity to hear three series of interesting lectures: An infinite-dimensional Ramsey theory by prof. B. Velickovic, an introduction to PCF theory by prof. T. Jech and a survey of recent results on the space of continuous functions by prof. W. Marciszewski. We included the list of all talks to this volume.

As usual, we organized a traditional problem session, where a number of problems were presented. We thank all the participants for their contribution that made 27th Winter School a very successful and pleasant event. Many interesting and deep results were presented in the main lectures as well as in many short communications.

To speed the publication of the proceedings, the full responsibility for the linguistic form of the papers was left to the authors.

It is a pleasure to express our gratitude to the Union of Czech Mathematicians and Physicists, in particular to Dr. Bohdan Maslowski for helping us during the preparations. We appreciate very much the work done by our colleagues Miroslav Zelený, Ondřej Kalenda as well as all other our colleagues and also many foreign participants for helping the organizing committee. We are obliged to the managing editor Petr Simon for preparing this volume of the journal devoted to the Winter School.

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