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Foreword

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Foreword

This volume contains papers presenting some results lectured or obtained at the 37th Winter School on Abstract Analysis 2009.

Traditionally, the conference consisted of two parts. The part devoted to analysis was held from January 17 to January 24 in Lhota nad Rohanovem in South Bohemia and the part devoted to topology and set theory was held from January 31 to February 7 in Hejnice in North Bohemia.

In both parts, several invited lectures, or series of lectures, were organized.

In the analysis part, five series of invited lectures were given. The series were delivered by Professors T. Keleti, Eötvös Loránd University, Hungary, B. Kirchheim, Mathematical Institute, University of Oxford, U.K., V. Müller, Czech Academy of Science, Czech Republic, A. Plichko, Cracow University of Technology, Poland, A. Suarez Granero, Universidad Complutense de Madrid, Spain, and D. Werner, Freie Universität Berlin, Germany.

Topology week was rather “school” than a conference. The main theme was an intensive course of forcing. The lectures given by professors Uri Abraham, Ben Gurion University of the Negev, Israel, Piotr Koszmider, Łódź Technical University, Poland, Janusz Pawlikowski, Wrocław University, Poland, and Lajos Soukup, Hungarian Academy of Sciences, Hungary, covered the topics from basics for beginners to P -ideal dichotomy and proper forcing and other advanced results. This course met an extraordinary attention and the audience asked the speakers to give further lectures beyond the schedule in afternoon breaks and in the evenings.

As usual, we organized traditional problem sessions, where a number of problems was presented. We thank all the participants for their contribution that made 37th Winter School very successful and pleasant. Also, Topology Section owes great thanks to the staff of International Center for Spiritual Rehabilitation.

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

We appreciate very much the work done by 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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