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## Foreword

This volume contains papers presenting some results lectured or obtained at the 36th Winter School on Abstract Analysis 2008.

Traditionally, the conference consisted of two parts. The part devoted to analysis was held from January 12 to January 19 in Lhota nad Rohanovem and the part devoted to topology and set theory was held from January 26 to February 2 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 Profesors T. Keleti, Eötvös Loránd University, Hungary, B. Kirchheim, Math. Inst. Oxford, U.I., V. Müller, Czech Academy of Science, Czech Republic, A. Plichko, Cracow University of Technology, Poland, A. Suarez Granero, Univ. Complutense de Madrid, Spain, and D. Werner, FU Berlin, Germany.

The carrying themes of the topology week were applications of other mathematical disciplines into topology. These topics were presented in two series of invited lectures. Professor T. Banakh, University of Lviv, Ukraine, spoke on "Algebra in superextensions of groups" and Professor P. Koszmider, Technical University Łódź, Poland, spoke on "The space of Radon measures as a link between topology and Banach spaces".

As usual, we organized traditional problem sessions, where a number of problems were presented. We thank all the participants for their contribution that made 36<sup>th</sup> Winter School a very successful and pleasant event. 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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