

News and Notices. Sixth Prague Topological Symposium

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SIXTH PRAGUE TOPOLOGICAL SYMPOSIUM

The Sixth Symposium on General Topology and its Relations to Modern Analysis and Algebra was held in Prague on August 25–29, 1986. The Symposium was organized by the Mathematical Institute of the Czechoslovak Academy of Sciences in cooperation with the Faculty of Mathematics and Physics of Charles University, the Faculty of Civil Engineering and the Faculty of Nuclear Science and Physical Engineering of the Technical University of Prague, the Faculty of Natural Sciences of the Purkyně University, the Institute of Mathematics of the Slovak Academy of Sciences, the Faculty of Mathematics and Physics of the Comenius University and the Union of Czechoslovak Mathematicians and Physicists. Support for the Symposium was also provided by the Pedagogical Faculty of the Purkyně University and the Faculty of Natural Sciences of the Šafárik University.

The Organizing Committee was composed of Z. Frolík (chairman), L. Bukovský, M. Hušek and V. Koutník (vice chairmen), J. Vilímovský (secretary), B. Balcar, J. Hejman, K. John, J. Kolomý, J. Lukeš, L. Mišík, T. Neubrunn, J. Pelant, P. Pták, V. Pták, A. Pultr, A. Rázek (treasurer), J. Reiterman, V. Rödl, J. Rosický, M. Sekanina, P. Simon, V. Trnková and P. Vrbová (members).

The Symposium was attended by 220 mathematicians from 29 countries, 50 from Czechoslovakia and 170 from the following countries:

Poland (32), USA (26), Italy (15), USSR (12), Yugoslavia (12), Federal Republic of Germany (10), Canada (8), Hungary (7), Bulgaria (6), Finland (6), Japan (5), Austria (4), German Democratic Republic (4), Greece (4), Netherlands (3), India (2), United Kingdom (2), Zimbabwe (2), Algeria (1), Belgium (1), France (1), Kenya (1), Kuwait (1), Romania (1), Spain (1), Switzerland (1), Turkey (1), West Berlin (1).

The Symposium was opened on August 25 by the Chairman of the Organizing Committee who paid tribute to J. Novák for his pioneering work in establishing the Prague Topological Symposia as chairman of the first five of them. This was followed by the opening lecture, in which R. D. Anderson reviewed the contribution of the Prague Symposia to the development of general topology in the past twenty-five years.

The program of the Symposium was prepared by the Program Committee composed of Z. Frolík (chairman), B. Balcar, M. Hušek, J. Pelant. The program consisted of 35 lectures invited by the Organizing Committee and 132 contributed papers presented in three or four parallel sections.

The following lectures were given by invited speakers:

- R. D. Anderson*: General topology in the twenty-five years of the Prague Symposia
- A. V. Arhangel'skij*: Some new approaches, results and problems in the theory of mappings
- B. Balcar* and *P. Simon*: Nondistributivity and disjoint refinement in Boolean algebras (presented by P. Simon)
- H.-P. Butzmann*: Sequentially determined convergence spaces
- W. W. Comfort*: Some unsolved problems in topological groups
- G. Debs*: Using games in topology
- E. K. van Douwen*: Groups, maximal topologies and βX
- A. Dow*: Reflection and forcing in topology
- V. V. Fedorčuk*: On some geometrical properties of the functor of probabilistic measures
- R. Frič* and *V. Koutník*: Completions of convergence groups (presented by V. Koutník)
- Z. Frolík*: Remarks on the development of topological descriptive theory
- G. Gruenhage*: On the existence of suborderable subspaces
- H. Herrlich*: Hereditary topological constructs

- M. Hušek and J. de Vries*: Compactifications of products of topological semigroups (presented by *M. Hušek*)
- I. Juhász*: Cardinal functions on large subspaces
- H. J. K. Junnila*: On hereditarily metacompact spaces
- R. D. Mauldin*: Random topological objects
- E. Michael*: Continuous selections avoiding a set
- J. van Mill*: Local contractibility, cell-like maps, dimension, and Kuratowski's problem
- S. Nedev*: Inverse selection theorem
- S. Negrepontis*: Weakly stable Banach spaces
- P. Nyikos*: Progress on countably compact spaces
- J. Pelant*: Remarks on Isbell's semiproducts
- A. Pietsch*: A historical survey of the theory of infinite determinants
- R. Pol*: Countable dimensional universal sets
- A. Pultr*: Some recent results of the theory of locales
- J. T. Rogers, Jr.*: The ends of continua and the hyperbolic plane
- C. Stegall*: Sequence of k -analytic functions
- F. D. Tall*: Topological applications of supercompact and huge cardinals
- W. Tholen*: Diagonal theorems in topology and elsewhere
- K. Tironi*: On pseudo-radial and almost-radial spaces
- S. Todorčević*: Topological aspects of the Ramsey theory for the uncountable
- H. Toruńczyk*: Finite-to-one restrictions of continuous functions
- V. Trnková*: Representations in categories of continuous structures
- V. V. Uspenskij*: Why compact groups are dyadic?

The scientific program of the Symposium was supplemented by several social events. On Tuesday an evening party was held during a boat tour on the river Vltava. There was a sightseeing tour of Prague on Wednesday and an organ concert on Thursday. After the closing of the Symposium a banquet took place on Friday evening and on Saturday a post Symposium trip was arranged for the participants. A special program was prepared for 39 accompanying persons.

Zdeněk Frolík, Václav Koutník, Praha