

Václav Koutník  
Seventh Prague Topological Symposium

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## SEVENTH PRAGUE TOPOLOGICAL SYMPOSIUM

The Seventh Prague Topological Symposium was held in Prague from August 19 to August 23, 1991. 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 Center for Theoretical Studies of Charles University, the Faculty of Civil Engineering, the Faculty of Electrical Engineering and the Faculty of Nuclear Science and Physical Engineering of the Czech Technical University, the Faculty of Natural Sciences and the Pedagogical Faculty of Masaryk University, the Mathematical Institute of the Slovak Academy of Sciences, the Faculty of Mathematics and Physics of Comenius University, the Faculty of Natural Sciences of Šafárik University, the Union of Czech Mathematicians and Physicists and the North Holland Publishing House. Sponsorship and financial support granted by the International Mathematical Union is gratefully acknowledged.

The Symposium was prepared by the Organising Committee consisting of M. Hušek (chairman), B. Balcar and V. Koutník (vice-chairmen), J. Pelant (secretary), J. Adámek, L. Bukovský, J. Chvalina, E. Dontová, R. Frič, J. Hejzman, E. Nováková, J. Prágllová, J. Reiterman, J. Tosický, P. Simon, J. Smítal and V. Trnková (members).

The Symposium was attended by 230 mathematicians from the following 28 countries: Czechoslovakia (29), Poland (26), Italy (24), USSR (23), USA (22), Germany (16), Canada (13), The Netherlands (10), Republic of South Africa (10), Hungary (8), United Kingdom (8), Yugoslavia (8), Greece (7), Finland (4), Japan (4), France (3), Bulgaria (2), New Zealand (2), Switzerland (2), Austria (1), Cyprus (1), Ethiopia (1), Israel (1), Republic of Korea (1), Libya (1), Portugal (1), Spain (1), Zimbabwe (1). In addition, there were 60 accompanying persons from abroad.

The Symposium was opened on Monday, August 19 by M. Hušek who greeted all participants on behalf of the Organizing Committee. Then followed an address by M. Katětov, vice-chairman of the Czechoslovak Academy of Sciences. In his speech he reminded the participants of the democratic changes which took place in Czechoslovakia since the preceding Prague Topological Symposium. M. Katětov recalled the positive evaluation of the Prague Topological Symposia by the international mathematical community and paid tribute to the late Zdeněk Frolík who had made such a substantial contribution to all previous Prague Symposia.

The program of the Symposium was prepared by the Program Committee composed of M. Hušek (chairman), J. Pelant and P. Simon (members). It consisted of 41 invited lectures and 121 contributed papers presented in four sections.

The following lectures were given by invited speakers:

J. Aarts: The geometry of Julia sets

A. V. Arhangel'skii: On cleavability of topological spaces over other spaces or classes of spaces

P. Collins: Universal maximal P-extensions

W. W. Comfort: Topologizing a group

R. Daverman: Classifications of topological manifolds

A. Dow: Remarks on basically disconnected spaces

- V. V. Fedorchuk: On dimension of manifolds  
 D. Fremlin: Spaces of finite length  
 R. Frič and V. Koutník: Sequential convergence: iteration, extension, completion, enlargement (presented by V. Koutník)  
 A. Frölicher: Differentiation in convenient vector spaces  
 A. Hajnal: Partition theorems for the power set  
 R. Hansell: General analytic spaces  
 K. P. Hart: The density of  $U(\omega_1)$   
 H. Herrlich: Almost reflective subcategories of TOP  
 K. H. Hofmann: Topological semigroups  
 J. Isbell: Descriptive local theory  
 I. Juhász: Convergent sequences in compact spaces  
 H. J. Junnila: Covering properties  
 W. Marciszewski: Borel and projective spaces of continuous functions  $C_p(X)$   
 S. Mardešić: Approximate inverse systems  
 M. Megrelishvili: Construction of minimal groups  
 J. van Mill:  $F_{\sigma\sigma}$ -absorbers  
 J. I. Nagata: A survey of special metrics  
 P. Nyikos: Hereditary normality and countable compactness  
 G. M. Reed: Topology and computer science  
 J. Reiterman and W. Tholen: Effective descent maps of topological spaces (presented by W. Tholen)  
 J. Rogers: Indecomposable continua, prime ends and Siegel disks  
 M. E. Rudin: Generalized metric spaces  
 D. Shakhmatov: Compact spaces and their generalizations  
 J. Steprans: Autohomeomorphisms of  $\beta N - N$   
 M. B. Smyth: Order topological spaces and the computational real line  
 M. G. Tkachenko: On properties of R-factorizable groups  
 S. Todorčević: Compactifications of  $N$   
 V. Trnková: Categorical aspects are useful in topology (after 15 years)  
 V. Valov: Manifolds modelled on the direct limit of  $n$ -dimensional Menger compacta  
 M. van de Vel: Some topological aspects of convexity theory  
 J. de Vries: Topological dynamics  
 S. Watson: Reaping numbers: topology, Boolean algebras and finite combinatorics  
 W. Weiss: Partitioning metric spaces  
 Y. Yajima: Normality and orthocompactness in products

The scientific program was supplemented by several social events. On Sunday evening a get-together party was held in the student in the dining hall of the Student Hostel where most of the participants were accomodated. There was a sightseeing tour of Prague on Wednesday afternoon and an organ concert on Thursday evening. On Friday evening the farewell dinner took place in the Palace of Culture and on Saturday a full day tour to the Koněprusy caves, Křivoklát castle and the English park of the presidential country residence at Lány was arranged for the participants. There were further excursions for the accompanying persons.

Václav Koutník, Praha