

News and Notices

Czechoslovak Mathematical Journal, Vol. 27 (1977), No. 1, 170–171

Persistent URL: <http://dml.cz/dmlcz/101455>

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IN MEMORIAM PROFESSOR VLADIMÍR MAHEL

On 8 June 1976, RNDr. VLADIMÍR MAHEL, Associated Professor of Mathematics at the Czech Technical University, died suddenly in Prague.

Professor Mahel was born 27 August 1924 at Valašské Meziříčí. After completing his mathematical studies at Charles University in 1948 he became lecturer at the Faculty of Electrical Engineering. In 1975 he was appointed Associated Professor (Dozent) of the Czech Technical University.

The scientific interest of V. Mahel, who had been a pupil of Professor B. Bydžovský, was concentrated on the Algebraic and Combinatorial Geometry.

A more detailed biography of Professor Mahel is published in *Časopis pro pěstování matematiky* 102 (1977), 95–99.

Editorial Board

FOURTH PRAGUE TOPOLOGICAL SYMPOSIUM

The fourth Symposium on General Topology and its Relations to Modern Analysis and Algebra was held in Prague from Monday, August 23, through Friday, August 27, 1976. The symposium was organized by the Mathematical Institute of the Czechoslovak Academy of Sciences in cooperation with the Faculty of Mathematics and Physics of the Charles University, the Union of the Czechoslovak mathematicians and physicists, and others. The International Mathematical Union granted a financial support. The Organizing Committee consisted of J. NOVÁK (chairman), Z. FROLÍK, J. HEJCMAN, M. HUŠEK, M. KATĚTOV, V. KOUTNÍK, V. PTÁK, A. RÁZEK, M. SEKANINA, Š. SCHWARZ and V. TRNKOVÁ. The Program Committee consisted of Z. Frolík (chairman), M. Katětov, J. Novák and V. Pták.

It seems that all countries with strong general topology, all age groups, and also almost all principal, most active trends in general topology were well represented.

The symposium was attended by 217 mathematicians from 24 countries; 53 from Czechoslovakia, 30 from the U.S.A., 29 from Poland, 12 from the Soviet Union, 10 from Hungary, 9 from the German Democratic Republic, 9 from Greece, 8 from Great Britain, 7 from the Netherlands, 6 from Canada, 5 from Belgium, 5 from Bulgaria, 5 from the Federal Republic of Germany, 5 from West Berlin, 5 from Yugoslavia, 4 from India, 4 from Japan and others.

The program consisted of 11 plenary invited talks, 18 invited talks in two sections, 1 invited talk in a session for contributed papers (E. van Douwen), and 135 fifteen minute talks in three or four parallel sessions.

Plenary talks:

R. D. ANDERSON: *Group actions on Hilbert cube manifolds*

W. W. COMFORT: *Some recent applications of ultrafilters to topology*

Z. FROLÍK: *Recent development of theory of uniform spaces*

S. MARDEŠIČ: *Recent development of shape theory*

- J. NAGATA: *On rings of continuous functions*
 M. E. RUDIN: *Set theoretic problems in topology*
 JU. M. SMIRNOV: *Some topological aspects in the theory of topological transformation groups*
 A. V. ARHANGEL'SKIĬ: *Some recent results on cardinal-valued invariants of bicomact Hausdorff spaces*
 T. A. CHAPMAN: *Homotopy conditions which characterize simple homotopy equivalences*
 K. KURATOWSKI: *σ -algebra generated by analytic sets and applications*
 A. H. STONE: *Measure-preserving maps*

Section A:

- A. CSÁSZÁR: *Some problems concerning $C(X)$*
 V. A. EFREMOVIČ, A. G. VAJŇŠTEĪN: *Novyje rezultaty v ravnoměrnoj topologii* (presented by O. V. LOKUCIEVSKIĬ)
 J. FLACHSMEYER: *Topologization of Boolean algebras*
 P. HILTON: *On generalizations of shape theory*
 M. HUŠEK, V. TRNKOVÁ: *Categorical aspects are useful in topology*
 I. JUHÁSZ: *On the number of open sets*
 J. PELANT: *Combinatorial properties of uniformities*
 M. RAJAGOPALAN: *The V -process and a problem of V. Kannan and A. V. Arhangel'skii on compact c -spaces*
 E. V. ŠČEPIN: *On uncountable inverse spectra*

Section B:

- C. BESSAGA, T. DOBROWOLSKI: *Deleting formulas for topological vector spaces and groups* (presented by C. BESSAGA)
 E. BINZ: *On an extension of Pontryagin's duality*
 B. E. JOHNSON: *Perturbations of Banach algebras*
 S. NEGREPONTIS: *Applications of Erdős-Radó intersection relations in the embedding of $l_1(\gamma)$ to Banach spaces*
 A. PIETSCH: *Entropy numbers of operators in Banach spaces*
 V. PTÁK: *Nondiscrete mathematical induction*
 J. R. RINGROSE: *Derivations of quotients of von Neumann algebras*
 D. STONE: *Measure, category and Boolean spaces*
 B. SZ.-NAGY: *Some properties of the function algebra H^∞*

Special program for accompanying persons (39) was prepared by Čedok (the Czechoslovak Travel Agency).

On Friday a banquet was given by the chairman of the Czechoslovak Academy of Sciences, Professor J. KOŽEŠNÍK, who also held a reception for twenty participants on Thursday afternoon. At this occasion, Professor Kožešník expressed his sincere hope to meet them all again during the Fifth Prague Symposium in 1981.

The program of the symposium was really too heavy. If the organizers of the next Prague Symposium want to preserve the international character of Prague symposia, full-scale programs and applications they ought to arrange for a seven day scientific program at least.

Zdeněk Frolík, Praha