

News and Notices

Czechoslovak Mathematical Journal, Vol. 32 (1982), No. 2, 344–345

Persistent URL: <http://dml.cz/dmlcz/101807>

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IN MEMORIAM PROFESSOR FRANTIŠEK KEJLA

František Kejla, Assistant Professor of the Czech Technical University, died suddenly on 16 June 1981 in Prague.

F. Kejla was born on 23 November 1914 in Líšany. He graduated from the Faculty of Science, Charles University, in 1938. In the assault of the Nazi occupants against Czech Universities on 17 November 1939 he was arrested and for 13 months held in the concentration camp Sachsenhausen. After World War II, when the Czech Universities reopened their gates, he became Assistant Professor at the Czech Technical University, where he worked till his retirement in 1980. The field of his scientific interest was the theory of differential equations. In 1979 he was awarded the Czech Technical University Medal for his outstanding life-long activities.

Editorial Board

FIFTH PRAGUE TOPOLOGICAL SYMPOSIUM

The Fifth Symposium on General Topology and its Relations to Modern Analysis and Algebra was held in Prague on August 24–28, 1981. The Symposium was organized by the Institute of Mathematics of the Czechoslovak Academy of Sciences in cooperation with the Faculty of Mathematics and Physics of Charles University, the Institute of Mathematics of the Slovak Academy of Sciences, the Faculty of Mathematics and Physics of Comenius University and the Society of Czechoslovak Mathematicians and Physicists. Support for the Symposium was also provided by Czech Technical University (Faculty of Electrical Engineering and Faculty of Nuclear and Physical Engineering), the Faculty of Natural Sciences of J. E. Purkyně University and the Faculty of Natural Sciences of Palacký University. The International Mathematical Union granted a financial support. The Organizing Committee consisted of J. Novák (chairman), Š. Schwarz and Z. Frolík (vice-chairmen), B. Balcar, L. Bukovský, J. Hejzman, M. Hušek, M. Katětov, T. Katriňák, I. Kolář, J. Kolomý, V. Koutník, L. Mišík, J. Pelant, P. Pták, V. Pták, A. Pultr, A. Rázek, J. Reiterman, J. Rosický, M. Sekanina, P. Simon, V. Trnková, J. Vilimovský and P. Vrbová (members).

The Symposium was attended by 227 mathematicians from 27 countries, 61 from Czechoslovakia and 166 from the following countries: Poland (31), U.S.S.R. (21), U.S.A. (16), Yugoslavia (12), Federal Republic of Germany (11), Italy (9), Hungary (8), Netherlands (8), Belgium (6), Bulgaria (6), Canada (5), German Democratic Republic (5), Greece (5), Egypt (3), West Berlin (3), Austria (2), Finland (2), India (2), Japan (2), Spain (2), United Kingdom (2), Denmark (1), Ireland (1), Mexico (1), New Zealand (1) and Vietnam (1).

The program of the Symposium was prepared by the Program Committee composed of Z. Frolík (chairman), M. Katětov (vice-chairman) and M. Hušek (member). The program consisted of 34 lectures by invitation of the Organizing Committee and 133 contributed papers presented in four parallel sessions.

The following lectures were given by invited speakers:

- R. D. Anderson: *Infinite-dimensional topology — the development of a theory*
A. V. Archangelskij: *The properties of spaces preserved by homeomorphisms and linear homeomorphisms of function spaces*
B. Balcar and P. Simon: *Cardinal invariants of Boolean spaces* (presented by B. Balcar)
B. Banaschewski: *The power of the ultrafilter theorem*
Z. Čerin: *Global properties of maps*
M. M. Čoban: *Algebry i nekotoryje voprosy teorii otobraženij*

- Á. Császár: *Complete extensions of quasiuniform spaces*
 D. C. Demaria: *On regular functions from a topological space to a graph*
 E. K. van Douwen: *Countinua and Čech-Stone remainders*
 R. Engelking and E. Pol: *Countable-dimensional spaces: a survey* (presented by R. Engelking)
 V. V. Fedorčuk: *Absolute retracts and some functors*
 S. Ferry: *Homotopy, simple homotopy and compacta*
 J. Flachsmeier: *On convergence of sets*
 D. H. Fremlin: *Consequences of Martin's axiom*
 R. Frič and V. Koutník: *Sequential convergence since Kanpur conference* (presented by V. Koutník)
 Z. Frolík, M. Hušek, J. Pelant, V. Rödl and J. Vilímovský: *Some recent results in uniform spaces*
 (presented by J. Pelant)
 W. Gähler: *A topological approach to general structure theory*
 A. Hajnal: *On the cardinality of quasihereditarily Lindelöf spaces*
 H. Herrlich: *Categorical topology*
 J. E. Jayne: *First level Borel functions*
 I. Juhász: *Recent developments on the S-space problem*
 J. Kolomý: *Duality mapping and geometry of Banach spaces*
 J. van Mill: *Weak P-points and other points in Čech-Stone compactifications*
 J. Nagata: *Topics in dimension theory*
 S. NegrePontis: *Analytic properties of Corson-compact spaces*
 P. J. Nyikos: *Nonmetrizable manifolds*
 A. Okuyama: *Some relationship between function spaces*
 R. Pol: *Borel collections of countable-dimensional sets*
 D. Preiss: *Finite dimensionality and derivation of measures*
 E. V. Ščepin: *On compacts defined by functors*
 H. Toruńczyk: *Hilbert manifolds in topological groups*
 V. Trnková: *Representation of semigroups by products*
 J. de Vries: *On products of G-compactifications*
 T. T. West: *Decomposition of Fredholm operators*

On Monday afternoon a special session of the Symposium devoted to commemoration of the 200th anniversary of the birth of Bernard Bolzano was held at Charles University. By invitation of the Organizing Committee Professors J. Folta, D. Kurepa and P. Vopěnka gave lectures dealing with the contribution of Bernard Bolzano to the development of mathematics. After the session, President of Charles University Professor Z. Češka held a reception for a group of Symposium participants and informed them about the work of B. Bolzano at Charles University.

On the occasion of the Symposium the Presidium of the Czechoslovak Academy of Sciences awarded the Golden Plaque of B. Bolzano for merit in mathematical sciences to Professors P. S. Alexandrov, R. D. Anderson and Á. Császár. The President of the Czechoslovak Academy of Sciences, Professor B. Kvasil, presented the plaques to Professors Anderson and Császár at a reception held at the Presidium of the Academy for a group of Symposium participants. Professor P. S. Alexandrov was unable to attend the Symposium because of reasons of health.

Václav Koutník, Praha