News and Notices. Second Czechoslovak Symposium on Graph Theory

SECOND CZECHOSLOVAK SYMPOSIUM ON GRAPH THEORY

The Second Czechoslovak Symposium on Graph Theory was held from June 24 to June 28, 1974 in the Caroline University Building, Prague 1, Celetná 16. It was co-sponsored by the Mathematical Institute of the Czechoslovak Academy of Sciences, Mathematical Institute of the Slovak Academy of Sciences and the Faculty of Mathematics and Physics of the Caroline University. The Chairman of the Organizing Committee was Professor MIROSLAV FIEDLER.

The programme of the Second Czechoslovak Symposium on Graph Theory included one-hour lectures presented by invited speakers, half-hour lectures on recent advances in specific areas and short communications on original research. The names of the lecturers and the titles of their lectures and communications are listed as follows:

P. ERDÖS: Problems and results on graph theory
J. W. MOON: The expected node-independence number of various types of trees
L. W. BEINEKE: A survey of tournament results
C. BERGE: Helly-families and hypergraphs
G. O. H. KATONA: An inequality for hypergraphs with non-disjoint edges
M. E. WATKINS: Graphical regular representations of groups
V. TRNKOVÁ: Strong embeddings of the category of graphs into topological categories
JIŘÍ NOVÁK: A note on disjoint cyclic Steiner triple systems
W. DÖRFLER: On set-systems and their automorphism
J. HANÁK: Equilibrium points of some games on oriented graphs
A. J. HOFFMAN: On the spectral radius of topologically equivalent graphs (with J. H. SMITH)
M. FIEDLER: Algebraic approach to connectivity of graphs
L. LOVÁSZ: Flow problems and edge connectivity
J. BOSÁK: Graphs of algebras and algebraic graphs
R. WEISS: s-regular graphs
E. BANNAI: Finite permutation groups and graphs
J. SEDLÁČEK: Some properties of trees
M. KRÓL: The chromatic number of some strong connected graphs
M. BORIES: Results on complete colorings of vertices and edges on the graphs
V. MÜLLER: Unequely colorable graphs without short cycles
J. ADÁMEK - V. KOUBEK: Products of graphs as a representation of semigroups
H. J. FINCK: Färbung planarer Graphen
A. HILL: Some topics in 3-polyhedral graphs
W. BUTLER: Non-Hamiltonian simple 3-polytopes
S. JENDROL': On the face vector of a simple maps on orientable manifolds
H. FLEISCHNER: Hamiltonian squares of graphs
L. S. MEL'NIKOV: Топологические классификации графов
L. SZAMKOŁOWICZ: О проблемах элементарной теории графов
W. MADER: Grad und lokaler Zusammenhang in endlichen Graphen
H. WALTHER: Über den „shortness exponent" in Polyedergraphen (with B. ILLING)
M. SYSŁO: The minimum fundamental set of cycles of a graph
M. BOROWIECKI: Об α-перестановочных графах
L. KUČERA - V. RÖDL: Algebraic characterization of defect homomorphisms of graphs
O. BOTLÍK: Modifications of distribution systems as a generalization of the Hall's theorem
M. MÜNZOVÁ - V. KOUBEK: On the choice of systems of mappings by graphs
J. NEŠETŘIL: Many faces of Ramsey theory I
V. RÖDL: Many faces of Ramsey theory II
P. GORALČÍK - V. KOUBEK: Graphs and semigroups

M. KOMAN: A note on the crossing number of $K_{m,n}$ on the Klein's bottle

F. HARARY: Some difficult unsolved problems in graph theory

A. HAJNAL: Chromatic numbers of set-systems

R. C. BOSE: Some characterization theorems of graph theory with applications to embedding problems

R. HALIN: Unendliche Wege in Graphen

P. MARTIN: Problems in definition and enumeration of eulerian circuits in multigraphs

A. ASTIE: Tournaments with an automorphism group of minimum rank

J. PELANT: Tournaments and morphisms

V. JURÁK: On a finite projective plane with points of some tournaments

C. DINESCU: On some special paths in networks

A. J. W. HILTON: On edge-colouring multigraphs

V̇. T. SÓS: On graphs and designs

R. J. WILSON: Edge-colourings of critical graphs

F. NIELSEN - B. TOFT: On a class of planar 4-chromatic graphs due to T. Gallai and its critical members

H. IZBICKI: Marked graphs with various firing rules

R. E. PIPPERT - L. W. BEINEKE: An cyclic cell-growth problem

Z. HEDRLÍN: Homomorphisms of graphs and differential equations

F. STERBOUL: A class of extremal problems

CH. S. EDWARDS: A girth-dependent lower bound for the size of a largest bipartite subgraph

F. GLIVIAK: On radially critical graphs

J. PLESNÍK: Note on diametrically critical graphs

M. SIMONOVITS: Extremal graph problems

E. TOMOVÁ: On decompositions of complete bipartite graphs into factors with given diameters

J. C. BERMOND: Decomposition of the complete directed graph into k-circuits

Z. SKUPIEŃ: Partitions of vertices into paths

C. ST. J. A. NASH-WILLIAMS: Marriage in denumerable societies

I. HAVEL: Embedding certain trees into the n-cube

L. NEBESKÝ: Some properties of line graphs

R. A. BRUALDI: Matroids induced by directed graphs, a survey

W. IMRICH: On the unique embeddability of 3-connected planar graphs

B. ZELINKA: Two-way infinite trails in locally finite graphs

K. ČULÍK: A normal form of directed rooted graphs

F. ZÍTEK: Quelques remarques sur les graphs polaires

M. SEKANINA: On two constructions of Hamiltonian graphs

H. A. JUNG: Note of Hamiltonian lines

J. A. BONDY: Almost reconstructing infinite graphs

J. SHEEHAN: Graphs with exactly one Hamiltonian circuit

A. P. WOJDA: On Hamiltonian problems

J. NINČÁK: Оценка числа Гамильтоновых циклов в мультиграфах

The complete text of these lectures and communications will be included in the Proceedings of the Symposium which will appear under the title Recent Advances in Graph Theory in early 1975 (Academia, Publishing House of the Czechoslovak Academy of Sciences, Prague, Czechoslovakia).

Jiří Sedláček, Praha