

9-th BIELEFELD COLLOQUIUM ON COMBINATORICS
November 20-22, 1989
UNIVERSITÄT BIELEFELD

Program:

Monday, November 20, 1989

19.30 Informal meeting at Hotel Novotel,
Am Johannisberg 5, Bielefeld 1.

Tuesday, November 21, 1989

The morning session takes place at the ZIF (Zentrum für interdisziplinäre Forschung) which is located next (south) to the university.

9.15 Opening
9.30 Z. Füredi (Budapest): Turan- type Problems for Hypergraphs.
10.30 coffee break
11.00 Chr.J. Preston (Bielefeld): The Zeta Function in Milnor
and Thurston's Kneading Theory.
12.00 Lunch
13.00 - 19.00 Contributed papers
(University main building M5 and C6)
20.00 Dinner at "Kippskrug".

Wednesday, November 22, 1989

The morning session takes place at the ZIF.

9.00 J. Wills (Siegen): Quasicrystals and Sphere-Packings of
Penrose- type.
10.00 coffee break
10.15 V. Chvatal (Bonn): Perfectly orderable Graphs.
11.15 R. Diestel (Cambridge): Graph Decompositions.
12.15 Lunch
13.00-? Contributed papers
(University main building M5, C5 and C6)

Tuesday, November 21, 1989

	Section I in M 5 – 124	Section II in M 5 – 110	Section III in M 5 – 106	Section IV in C 6 – 137
13.00 Uhr ✓X	M. Wirtz: Binäre zyklische codes der Längen 101 bis 127	D. Wagner: Channel routing under different optimization criteria	G. Pirillo: Shirshov's theorem and Ω -permutability of semigroups	R. Halin: Tree-partitions of infinite graphs
13.30 Uhr ✓X	<i>Simon's (Del II)</i> C. de Vreedt: Warum kompliziert, wenn es ein- fach auch geht?	F. Wagner: On a dynamic datastructure for intervals	C. Thiel: Almost convexity of some nilpotent groups	// H.A. Jung: End separators in infinite graphs
14.00 Uhr ✓X	// J. Bierbrauer: Blockpläne in projektiven Geraden und Ebenen	H. Ripphausen: Ein Divide-and-Conquer Ansatz für das VLSI-Layout Problem	G. Behrendt: Automorphism groups of posets and of related structures	S. Klavzar: On graph retracts
14.30 Uhr ✓X	// A. Beutelspacher: Partial parallelisms in projective spaces	M. Formann: The VLSI layout of planar connected graphs	// E. Harzheim: Schwach arithmetische Progressionen in Folgen von natürlichen Zahlen	// W. Imrich: New and old results about products of graphs
15.00 Uhr	D. Betten: A tactical decomposition for non- regular incidence structures	M. Stoer: Designing survivable networks	W. Thumser: On upper bounds of certain combinatorial functions	H.J. Broersma: On smallest nonhamiltonian regular tough graphs
15.30 Uhr ✓X	T. van Trung: On constructions of t-designs	B. Dorhout: On the expected number of assignments in reduced matrices	// B. Voigt: A sparse Gallai-Witt theorem	H.J. Veldman: Long cycles, degree sums and neighborhood unions

16.00 Uhr **G.B. Khosrovshahi:**
Some recent results on t -designs

G. Wirsching:
Band width and a special assignment problem

W. Deuber:
On Rado's problem in combinatorial number theory

C. Hoede:
Starke Doppelkreisüberdeckungen

~~VORSITZ~~
16.30 Uhr **H.D. Janetzko:** *Konstanz*
Periodisch wiederkehrende Verteilungen und der Satz von Perron

E. Triesch:
Gradsequenzen in Graphen

H. Si-Kaddour:
On Boolean Algebras with well-founded sets of generators

W. Mader:
Circuits through prescribed vertices in k -regular, k -connected graphs

~~VORSITZ~~
17.00 Uhr **W. Kern:** *Enschede*
A communication complexity problem on ordered sets

Van Bang Le:
Transitive Kartenforcierung und nichtzerlegbare Graphen

H. Abels:
Semimodular lattices are close to buildings alias: The Jordan/Hölderpermutation

Wei Bing:
A new result about Panconnectivity on Graphs

17.30 Uhr **R. Ahlswede:** *Bielefeld*
Coding for channels with localized errors: the non-binary cases

W. Geyer:
The intervall doubling construction and the arrow-graph of a context

M. Skorsky:
Verkürzen von Mengendarstellungen von Verbänden

F. Göbel:
Optimal 2-colorings of graphs

18.00 Uhr **C. Christen:** *Lausanne*
Exakte Lösung zu einem Konfliktresolutionsproblem *(Mondiel)*

A. Schikarski:
Parallele Inversion von Dreiecksmatrizen auf dem Perfect-Shuffle-Netzwerk

P. Goossens:
Shelling generalized convex polyhedra

P. Ille:
The reconstructability of binary relations

18.30 Uhr **I. Althöfer:** *Bielefeld*
On the Convergence of "Threshold Accepting"

V. Mehrmann:
Convergence of block iterative methods for matrices with acyclic block graph

R. Jeurissen:
Raney's Lemma, Catalan Numbers and Clustering of Balls

Th. Stehling:
On the normality quotient of planar tilings

Wednesday, November 22, 1989

	Section I in M 5 – 124	Section II in M 5 – 110	Section III in M 5 – 106	Section IV in C 6– 137
13.00 Uhr	F. Margot: Some complexity results about threshold graphs	S. Felsner: The Theorems of Dilworth and Greene–Kleitman Generalized to Directed Graphs	Z. Palka: On strong chromatic index of random graphs	P. Mani: Ein Satz aus der kombinatorischen Geometrie
13.30 Uhr	I. Wegener: Bottom-up-Heapsort, a new variant of Heapsort Beating on average quicksort	U. Faigle: Dilworth-optimal ordered sets	Th. Harder: A new non-parametric distribution of a measure of extreme reactions	A. Dress: A canonical decomposition theory for finite metric spaces II
14.00 Uhr	I. Schiermeyer: Satisfiability and polynomial average time	J. Mitas: A graph theoretic method to compute the Jump number of interval orders	A. Steger: The asymptotic number of graphs not containing a fixed color-critical subgraph	W. Wenzel: Valuated matroids - A new look at the Greedy algorithm
14.30 Uhr	N. Seifter: Properties of graphs with polynomial growth	K. Reuter: The Jump number of suborders of the power set order	A. Rucinski: Balanced extensions of graphs	A. Bouchet: Unimodular orientations of graphs
15.00 Uhr	P. Fischer: Learnability of Ring-Sum-Expansions	M. Syslo: On the page number of posets	T. Luczac: Graphs of small girth: How to count them and what for	E. Viro: A suspension operation for configurations in projective space
15.30 Uhr	M. Loeb: Subgraph Packing Problem	M. Erné: The number of partially ordered sets	M. Karoński: Asymptotic properties of random outregular digraphs	P. Brass: Häufige Abstände in endlichen ebenen Punktmengen

16.00 Uhr **E. Dahlhaus:**
Einige neue Unterklassen der
chordalen Graphen

R. Bodendiek:
On S_2 and Wagner's well-quasi-
ordering conjecture

M. Dietzfelbinger:
Random functions that can be
evaluated fast

L. Piepmeyer:
Ganzzahlige Punktfolgen im
Raum

16.30 Uhr **E. Prisner:**
Der Simplicialkomplex eines
Graphen

H.D. Gronau:
On posets of m-ary words

Jaworski:
The Largest Connected Compo-
nent in a Random Mapping

H. Harborth:
Regular drawings of the cycle graph

Section V in C 5 - 141

13.00 Uhr **A. Kemnitz:**
Integral hexagons without three
collinear and without four concyclic points

13.30 Uhr **S. Jäger:**
Fibonacci- und binäre Bäume in regulären
Parkettierungen

14.00 Uhr **U. Brehm:**
Polyedrische Karten mit wenigen Kanten

14.30 Uhr **J. Plehn:**
Finding minimally
weighted subgraphs

15.00 Uhr **H.J. Walther:**
Partitioning the edges of
the N-cube in paths

15.30 Uhr **J. Topp:**
Well covered and well dominated block
graphs and unicyclic graphs

16.00 Uhr **G. Woeginger:**
Some new bounds for Epsilon-Nets