

Contents of The Mathematics of Paul Erdős II

IV. Combinatorics and Graph Theory	1
Introduction	3
Problems in Graph Theory from Memphis	7
R. J. FAUDREE, C. C. ROUSSEAU AND R. H. SCHELP	
Neighborly Families of Boxes and Bipartite Coverings	27
N. ALON	
Cycles and Paths in Triangle-Free Graphs	32
S. BRANDT	
Reconstruction Problems for Digraphs	43
M. AIGNER AND E. TRIESCH	
The Dimension of Random Graph Orders	51
B. BOLLOBÁS AND G. BRIGHTWELL	
Hereditary and Monotone Properties of Graphs	70
B. BOLLOBÁS AND A. THOMASON	
Properties of Graded Posets Preserved by Some Operations	79
S. BEZRUKOV AND K. ENGEL	
Intersection Representations of the Complete Bipartite Graph ...	86
Z. FÜREDI	
Reflections on a Problem of Erdős and Hajnal	93
A. GYÁRFÁS	
The Chromatic Number of the Two-packing of a Forest	99
H. WANG AND N. SAUER	
On the Isolation of a Common Secret	121
D. BEAVER, S. HABER AND P. WINKLER	
Some Remarks on the Cycle Plus Triangles Problem	136
H. FLEISCHNER AND M. STIEBITZ	

V. Ramsey and Extremal Theory	143
Introduction	145
Paul Erdős' Influence on Extremal Graph Theory	148
M. SIMONOVITS	
Ramsey Theory in the Work of Paul Erdős	193
R. L. GRAHAM AND J. NEŠETŘIL	
Memories on Shadows and Shadows of Memories	210
G. O. H. KATONA	
Applications of the Probabilistic Method to Partially Ordered Sets	214
W. T. TROTTER	
A Bound of the Cardinality of Families not Containing Δ -Systems	229
A. V. KOSTOCHKA	
Arrangeability and Clique Subdivisions	236
V. RÖDL AND R. THOMAS	
A Finite Partition Theorem with Double Exponential Bound	240
S. SHELAH	
 VI. Geometry	247
Introduction	249
Extension of Functional Equations	251
J. ACZÉL AND L. LOSONCZI	
Remarks on Penrose Tilings	264
N. G. DE BRUIJN	
Distances in Convex Polygons	284
P. FISHBURN	
The Number of Homothetic Subsets	294
M. LACZKOVICH AND I. Z. RUZSA	
On Lipschitz Mappings onto a Square	303
J. MATOUŠEK	
A Remark on Transversal Numbers	310
J. PACH	
In Praise of the Gram Matrix	318
M. ROSENFELD	

On Mutually Avoiding Sets	324
P. VALTR	
VII. Infinity	329
Introduction	331
The Random Graph	333
P. J. CAMERON	
Paul Erdős' Set Theory	352
A. HAJNAL	
A Few Remarks on a Conjecture of Erdős on the Infinite Version of Menger's Theorem	394
R. AHARONI	
On Order-Perfect Lattices	409
I. KŘÍŽ	
The PCF Theorem Revisited	420
S. SHELAH	
Set Theory: Geometric and Real	460
P. KOMJÁTH	
Paul Erdős: The Master of Collaboration	467
J. W. GROSSMAN	
List of Publications of Paul Erdős	477
Postscript	575