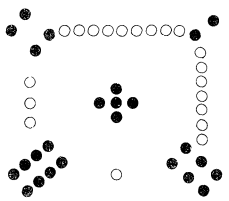
Graphs and Combinatorics



Subscription information:
ISSN 0911-0119 Title No. 373
1988. Vol. 4, 4 issues.
DM 330,- plus carriage charges
Subscriptions and sample copy requests can be placed with your bookseller or by writing to Springer-Verlag at one of the addresses shown below

Editor-in-Chief: **Hoon Heng Teh,** Singapore
Managing Editor: **Jin Akiyama,** Tokyo
Co-Managing Editors: **Yoshimi Egawa,** Tokyo; **Hikoe Enomoto,** Tokyo
Consulting Editors: **C. Berge,** Paris; **B. Bollobás,** Cambridge; **P. Erdös,** Budapest; **P. Frankl,** Paris; **R. L. Graham,** Murray Hill; **F. Harary,** Las Cruces; **S. Hitotumatu,** Kyoto; **C. L. Liu,** Urbana-Champaign, **R. Rado,** Reading; **W. T. Tutte,** Waterloo
Editors: **E. Bannai,** Columbus; **M. G. Guan,** Jinan; **M. Kano,** Akashi; **K. M. Koh,** Singapore; **C. K. Lim,** Kuala Lumpur; **M. J. Ruiz,** Manila; **Y. Wang,** Beijing, **W. D. Wei,** Sichuan, **H. P. Yap,** Singapore

Hardly a branch of mathematics has a history longer than that of combinatorics, and similarly, no branch of knowledge has as comprehensive an application to modern science. Research results in combinatorics are applied in a range of fields including computer science, artificial intelligence, communication networks, and space technology.

Graphs and Combinatorics is an international journal devoted to research concerning all aspects of combinatorial mathematics. In addition to original research papers and survey articles, the journal also features short communications, research problems, and announcements. As particular attention is paid to rapid publication, researchers will come to rely on **Graphs and Combinatorics** not only to keep themselves informed of current developments, but will also use it as a forum for publishing their own work.

A selection of articles from recent issues:

F. Harary, J. Lauri: The Class Reconstruction Number of Maximal Planar Graphs.
Z. Tuza: Inequalities for Two Set Systems with Prescribed Intersections
M. Yoshizawa: On Schematic Orthogonal Arrays OA (q^t, k, q, t).
P. Frankl, Z. Füredi, J. Pach: Bounding One-Way Differences
J. M. S. Simões-Pereira: Underlying Graph and Total Length of Opimal Realizations of Variable Distance Matrices
J. S. Beissinger, U. N. Peled: Enumeration of Labelled Threshold Graphs and a Theorem of Frobenius Involving Eulerian Polynomials
P. Fraisse, C. Thomassen: Hamiltonian Dicycles Avoiding Prescribed Arcs in Tournaments.
V. Chvátal, N. Sbihi: Bull-Free Berge Graphs Are Perfect.
D. Jungnickel: On a Theorem of Ganley.
M. P. Delest, D. Gouyou-Beauchamps, B. Vauquelin: Enumeration of Parallelogram Polyominoes with Given Bond and Site Perimeter.
A. Gyárfás, J. Lehel, R. H. Schelp, Z. S. Tuza: Ramsey Numbers for Local Colorings.
H. Okamura: Paths and Edge-Connectivity in Graphs III. Six-Terminal k Paths.

Springer-Verlag
Berlin Heidelberg New York
London Paris Tokyo

Heidelberger Platz 3, D-1000 Berlin 33
175 Fifth Ave., New York, NY 10010, USA
28, Lurke Street, Bedford MK40 3HU, England
26, rue des Carmes, F-75005 Paris
37-3, Hongo 3-chome, Bunkyo-ku, Tokyo 113, Japan

sh 10.249/V1

Springer

Communications in Mathematical Physics

Chief Editor	A. Jaffe, Cambridge, MA
Editorial Board	M. Aizenman, New York, NY
	L. Alvarez-Gaumé, Boston, MA
	H. Araki, Kyoto
	A. Connes, Bures-sur-Yvette
	J.-P. Eckmann, Genève
	M. E. Fisher, College Park, MD
	J. Fröhlich, Zürich
	K. Gawedzki, Bures-sur-Yvette
	J. L. Lebowitz, New Brunswick, NJ
	J. Mather, Princeton, NJ
	G. Parisi, Roma
	B. Simon, Pasadena, CA
	Ya. G. Sinai, Moscow
	T. Spencer, Princeton, NJ
	S.-T. Yau, Cambridge, MA
Advisory Board	M. F. Atiyah, Oxford
	F. Hirzebruch, Bonn
	G. 't Hooft, Utrecht
	R. Schrieffer, Santa Barbara, CA
	I. Singer, Cambridge, MA
	C. N. Yang, Stony Brook, NY

Responsible for Advertisements	E. Lückermann, M. Stresow, Heidelberger Platz 3, D-1000 Berlin 33
	Telephone: (030) 8207-0, Telex 01-85 411
Springer-Verlag	Berlin Heidelberg New York Tokyo
Printers	Brühlsche Universitätsdruckerei, Giessen
Printed in Germany	*© Springer-Verlag Berlin Heidelberg 1988*
	Springer-Verlag GmbH & Co KG, D-1000 Berlin 33