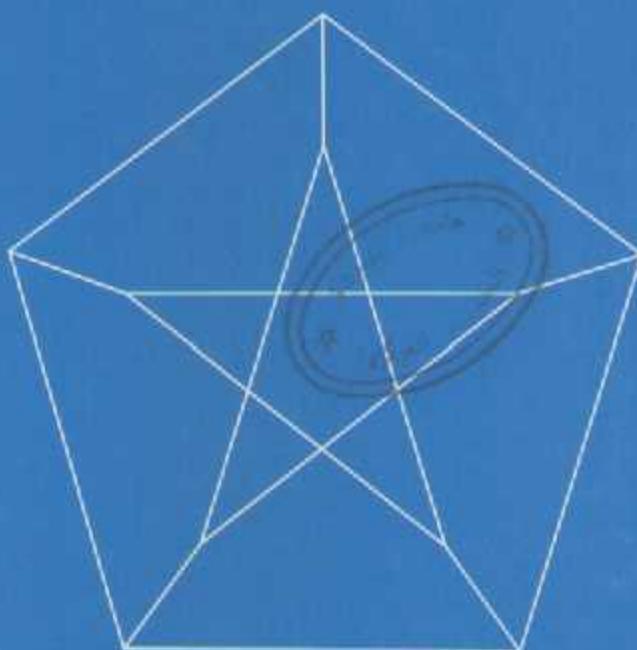




Volume 300 Issues 1–3 6 September 2005 ISSN 0012-365X

# DISCRETE MATHEMATICS



Also available on

SCIENCE @ DIRECT®

[www.sciencedirect.com](http://www.sciencedirect.com)

**Discrete Mathematics**  
**Volume 300, Issues 1–3, 6 September 2005**

**Contents**

**Contributions**

<i>M.H. Albert and M.D. Atkinson</i>	23–83	100
Simple permutations and pattern restricted permutations		1
<i>D. Bokal, G. Brinkmann and S. Grünewald</i>	85–93	11
Chromatic-index-critical graphs of orders 13 and 14		16
<i>M. Bordewich, K.T. Huber and C. Semple</i>	95–112	20
Identifying phylogenetic trees		30
<i>D.M. Bradley</i>	113–124	44
Duality for finite multiple harmonic $q$ -series		44
<i>N. Cavenagh, D. Donovan and A. Drápal</i>	125–136	57
3-Homogeneous latin trades		57
<i>J. Degraer and K. Coolhaes</i>	137–154	71
Classification of three-class association schemes using backtracking with dynamic variable ordering		71
<i>M. Dorfling, W. Goddard, J.H. Hattingh and M.A. Henning</i>	155–168	82
Augmenting a graph of minimum degree 2 to have two disjoint total dominating sets		82
<i>D. Duffus and N.W. Sauer</i>	169–182	91
Chromatic numbers and products		91
<i>H. Enomoto, J. Fujisawa and K. Ota</i>	183–196	100
Ore-type degree condition for heavy paths in weighted graphs		100
<i>Y. Huang and T. Zhao</i>	197–214	110
Maximum genus, connectivity and minimal degree of graphs		110
<i>Y. Li, X. Tang and W. Zang</i>	215–232	120
Ramsey functions involving $K_{m,n}$ with $n$ large		120
<i>V. Mascioni</i>	233–246	129
On the probability that finite spaces with random distances are metric spaces		129
<i>M.N. Pradromou</i>	247–264	139
Limit shape of convex lattice polygons with minimal perimeter		139
<i>J.J. Quinn and J.M. Tobiska</i>	265–282	148
Generalizing the Quinn-Wójs theorem on distinct multiplets of composite Fermions		148
	152	

<i>F. Spaggiari</i>	
The combinatorics of some tetrahedron manifolds	163
<i>X. Sun</i>	
Wythoff's sequence and <i>N</i> -Heap Wythoff's conjectures	180
<i>D. Xie and Z. He</i>	
The total chromatic number of regular graphs of even order and high degree	196
<b>Communication</b>	
<i>N. Burstein</i>	
On distinct unit fractions whose sum equals 1	213
<b>Notes</b>	
<i>R.J. Faudree, R.J. Gould, M.S. Jacobson, L. Lesniak and A. Saito</i>	
A note on 2-factors with two components	218
<i>J.P. Grossman</i>	
An eigenvalue bound for the Laplacian of a graph	225
<i>M. Kochol, N. Krivoňáková and S. Smeková</i>	
Edge-coloring of multigraphs	229
<i>W. Koak</i>	
A new formula for an evaluation of the Tutte polynomial of a matroid	235
<i>D. Kotlar and R. Ziv</i>	
On partitioning two matroids into common independent subsets	239
<i>W. Li</i>	
Various inverses of a strong endomorphism of a graph	245
<i>K.S. Sudeep and S. Vishwanathan</i>	
A technique for multicoloring triangle-free hexagonal graphs	256
<b>Forthcoming special issues</b>	
<b>List of referees</b>	263
<b>Book announcements</b>	265
<b>Author index to volume 300</b>	267
<b>Master index to volumes 291–300</b>	269
<b>Guide for authors</b>	281



This journal is part of **ContentsDirect**, the *free* alerting service which sends tables of contents by e-mail for Elsevier books and journals. You can register for **ContentsDirect** online at: <http://contentsdirect.elsevier.com>