

Internet Mathematics

Volume 3, Number 2

- Finding (Short) Paths in Social Networks** 129
André Allavena, Anirban Dasgupta, John Hopcroft, and Ravi Kumar
- Random Walks with Lookahead on Power Law Random Graphs** 147
Milena Mihail, Amin Saberi, and Prasad Tetali
- Inverted Index Support for Numeric Search** 153
Marcus Fontoura, Ronny Lempel, Runping Qi, and Jason Zien
- A Geometric Preferential Attachment Model of Networks** 187
Abraham D. Flaxman, Alan M. Frieze, and Juan Vera
- PageRank of Scale-Free Growing Networks** 207
Konstantin Avrachenkov and Dmitri Lebedev
- An Identification Problem for Multiterminal Networks:
Solving for the Traffic Matrix from Input-Output Measurements** 233
F. Alberto Grünbaum and Laura Felicia Matusevich



Vol. 3 No. 2 2006

2006

Internet Mathematics

Editor-in-Chief:
Fan Chung Graham

Managing Editors:
Micah Adler
Michael Mitzenmacher
S. Muthu Muthukrishnan
Xingxing Yu

Editorial Board:
Noga Alon
Albert-László Barabási
Elwyn Berlekamp
Béla Bollobás
Andrei Broder
Persi Diaconis
Ding-Zhu Du
Cynthia Dwork
Alan Frieze
Tim Griffin
Ronald Graham
Monika Henzinger
Frank Kelly
Jon Kleinberg
Tom Leighton
Andrew Odlyzko
Christos Papadimitriou
Prabhakar Raghavan
Peter Samak
Joel Spencer
Walter Willinger
Peter Winkler
Andrew Yao

Internet Mathematics



Vol. 3 No. 2 2006

