

Volume 18 Numbers 1 & 2 Jan-Mar 2009

Combinatorics, Probability & Computing

Editor-in-Chief: Béla Bollobás

Managing Editors: Paul Balister, Graham Brightwell,

Imre Leader, Oliver Riordan, Alex Scott

SPECIAL ISSUE

Papers from The 2006 Oberwolfach Meeting on

Combinatorics, Probability and Computing

Guest Editors: Noga Alon Béla Bollobás Ingo Wegener



EDITOR-IN-CHIEF

BÉLA BOLLOBÁS: Trinity College, Cambridge CB2 1TQ and Department of Mathematical Sciences, University of Memphis, Memphis, TN 38152, USA, Email: B.Bollobas@dpmms.cam.ac.uk and Email: bollobas@msci.memphis.edu

PAUL BALISTER: Department of Mathematical Sciences, University of Memphis, Memphis, TN 38152, USA, Email: pbalistr@memphis.edu

IMRE LEADER: Department of Pure Mathematics and Mathematical Statistics, Centre for Mathematical Sciences, Wilberforce Road, Cambridge CB3 0WB,

Email: i.leader@dpmms.cam.ac.uk

OLIVER RIORDAN: Mathematical Institute, 24-29 St Giles', Oxford, OX1 3LB,

Email: riordan@maths.ox.ac.uk

JOURNAL EMAIL ADDRESS: cpc@msci.memphis.edu

EDITORIAL BOARD

NOGA ALON: Department of Mathematics, Tel Aviv University, Ramat Aviv, 69978 Tel Aviv, Israel, Email: noga@math.tau.ac.il

Probabilistic methods in combinatorics

LÁSZLÓ BABAI: Department of Computer Science, University of Chicago, 1100 East 58th Street, Chicago, IL 60637, USA,

Email: laci@cs.uchicago.edu Algebraic methods, finite groups, algorithms

JEAN-CLAUDE BERMOND: 13S CNRS, Université de Nice - Sophia Antipolis, BP 145, F-06903 Sophia Antipolis Cedex, France,

Email: bermond@unice.fr Interconnection networks, graph theory and parallel computing

NORMAN BIGGS: Department of Mathematics, London School of Economics, Houghton Street, London WC2A 2AE, Email: n.l.biggs@lse.ac.uk Algebraic combinatorics, computational learning theory

GRAHAM BRIGHTWELL: Department of Mathematics, London School of Economics, Houghton Street, London WC2A 2AE, Email: g.r.brightwell@lse.ac.uk

JENNIFER T. CHAYES: Microsoft Research, One Microsoft Way, Redmond, Washington 98052, USA, Email: jchayes@microsoft.com

Percolation, statistical physics methods

ALAN FRIEZE: Department of Mathematics, Carnegie-Mellon University, Pittsburgh, PA 15213, Email: alan@random.math.cmu.edu Random graphs, algorithms

ZOLTÁN FÜREDI: Department of Mathematics, University of Illinois at Urbana-Champaign, Urbana, IL 61801, USA, Email: zoltan@math.uiuc.edu Set systems, extremal graph theory

TIMOTHY GOWERS: Department of Pure Mathematics and Mathematical Statistics, Centre for Mathematical Sciences, Wilberforce Road, Cambridge CB3 0WB, Email: W.T.Gowers@dpmms.cam.ac.uk

Combinatorial number theory, probabilistic combinatorics

RON GRAHAM: Department of Computer Science and Engineering, University of California, San Diego, La Jolla, CA 92093-0114, USA, Email: graham@ucsd.edu Discrete mathematics, combinatorial probability

MARK JERRUM: School of Mathematical Sciences, Queen Mary, University of London, Mile End Road, London E1 4NS, UK, Email:

M.Jerrum@qmul.ac.uk

Randomised algorithms, complexity theory

JEFF KAHN: Department of Mathematics, Rutgers University, New Brunswick, NJ 08903, USA, Email: jkahn@math.rutgers.edu

Extra-combinatorial methods, hypergraphs

YOSHIHARU KOHAYAKAWA: Instituto de Matemática e Estatística, University of São Paulo, Rua do Matão 1010, 05508-900 São Paulo, Brazil, Email: voshi@ime.usp.br

Random combinatorial structures, extremal problems

ALEXANDR KOSTOCHKA: Department of Mathematics, University of Illinois, 1409 W. Green Street, Urbana, IL 61801, USA,

Email: kostochk@math.uiuc.edu

Graphs, hypergraphs

GREG LAWLER: Department of Mathematics, University of Chicago, 5734 South University Avenue, Chicago, IL 60637, USA, Email:

lawler@math.uchicago.edu

Probability theory

TOMASZ ŁUCZAK: Institute of Mathematics, Adam Mickiewicz University, Matejki 48/49, PL-60 769 Poznán, Poland,

Email: tomasz@math.amu.edu.pl Probabilistic methods, random structures

COLIN McDIARMID: Department of Statistics, University of Oxford, 1 South Parks Road, Oxford OX1 3TG, Email: cmcd@stats.ox.ac.uk Combinatorics, probability and algorithms

BRENDAN McKAY: Computer Science Department, Australian National University, G.P.O. Box 4, Canberra, ACT 2601, Australia,

Email: bdm@cs.anu.edu.au Probability theory, enumeration, asymptotics

JAMES OXLEY: Department of Mathematics, Louisiana State University, Baton Rouge, LA 70803-4918, USA, Email: oxley@marais.math.lsu.edu Matroid theory

YUVAL PERES: Department of Statistics, 367 Evans Hall, University of California Berkeley, CA 94720-3860, USA, Email: peres@stat.berkeley.edu Probability on graphs, random walks

HANS JÜRGEN PRÖMEL: Institut für Informatik, Humboldt-Universität zu Berlin, Unter den Linden 6, D-10099 Berlin, Germany,

Email: proemel@informatik.hu-berlin.de Graph theory and algorithms, Ramsey theory

ALEXANDER RAZBOROV: Department of Computer Science, University of Chicago, 1100 East 58th Street, Chicago, IL 60637, USA,

Email: razborov@cs.uchicago.edu

Boolean complexity theory

VOJTĚCH RÖDL: Department of Mathematics and Computer Science, Emory University, Atlanta, GA 30322-2390, USA,

Email: rodl@mathcs.emory.edu Ramsey theory, set systems, extremal problems

ALEX SCOTT: Mathematical Institute, University of Oxford, 24-29 St Giles, Oxford OX1 3LB, Email: scott@maths.ox.ac.uk

VERA SÓS: Mathematical Research Institute, Reáltanoda utca 13-15, P.O. Box 127, H-1364 Budapest, Hungary, Email: sos@math-inst.hu Graph theory, combinatorics, number theory

WOJCIECH SZPANKOWSKI: Purdue University, Department of Computer Sciences, 250 N. University Street, West Lafayette, IN 47907-2066, USA, Email: spa@cs.purdue.edu

Analytic algorithmics and combinatorics

ANDREW THOMASON: Department of Pure Mathematics and Mathematical Statistics, Centre for Mathematical Sciences, Wilberforce Road, Cambridge CB3 0WB, Email: A.G.Thomason@dpmms.cam.ac.uk

Extremal graph theory, Ramsey theory

DOMINIC WELSH: Mathematical Institute, University of Oxford, 24-29 St Giles, Oxford, OX1 3LB, Email: dwelsh@maths.ox.ac.uk

Complexity, algorithms, matroid theory

PETER WINKLER: Department of Mathematics, Dartmouth College, Hanover, NH 03755-3551, USA,

Email: peter.winkler@dartmouth.edu Algorithms, random structures

INTERNET ACCESS

This journal is included in the Cambridge Journals Online service which can be found at journals.cambridge.org.

© CAMBRIDGE UNIVERSITY PRESS 2009