

Volume 19 Number 4 July 2010



# *Combinatorics, Probability & Computing*

Editor-in-Chief: Béla Bollobás

Managing Editors: Paul Balister, Imre Leader,  
Oliver Riordan

Editors:

Noga Alon  
Graham Brightwell  
Jennifer T. Chayes  
Alan Frieze  
Zoltán Füredi  
Timothy Gowers  
Mark Jerrum  
Jeff Kahn  
Yoshiharu Kohayakawa  
Alexandr Kostochka  
Greg Lawler  
Tomasz Łuczak  
Colin McDiarmid  
Brendan McKay  
James Oxley  
Yuval Peres  
Alexander Razborov  
Vojtěch Rödl  
Alex Scott  
Vera Sós  
Wojciech Szpankowski  
Andrew Thomason  
Dominic Welsh  
Peter Winkler



0963-5483

## 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

## MANAGING EDITORS

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*

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

*Probabilistic methods and partially ordered sets*

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*

ZOLTAN 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*

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: yoshi@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 LUCZAK: Institute of Mathematics, Adam Mickiewicz University, Matejki 48/49, PL-60 769 Poznań, 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@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*

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](http://journals.cambridge.org).

© CAMBRIDGE UNIVERSITY PRESS 2010