## **Instructions for Authors**

**Editorial policy** The journal welcomes submissions in any of the areas of Combinatorics, Probability, or Computer Science, not just those dealing explicitly with relations between the three. Its scope covers combinatorics in a broad sense, including classical and algebraic graph theory, probabilistic methods, random structures, combinatorial probability and limit theorems for random combinatorial structures; and the theory of algorithms, including complexity theory, randomised algorithms, probabilistic analysis of algorithms, computational learning theory and optimisation.

**Submission of manuscripts** Papers may be submitted to any member of the Editorial Board. Three copies should be sent accompanied by the author's address, telephone and fax number, and if possible, an electronic mailing address.

Submission of a paper is taken to imply that it has not been previously published and that it is not being considered for publication elsewhere. Upon acceptance of a paper, the author will be asked to transfer copyright to the publisher.

Authors are encouraged to submit papers electronically by sending a LaTeX file to cpc@dpmms.cam.ac.uk; this file should include the figures (line figures only) and all authordefined macros. Authors using LaTeX should use the CPC LaTeX style file which can be obtained using anonymous FTP from the internet address ftp.cup.cam.ac.uk. Go into the directory /pub/texarchive/journals/latex/cpc where you will find a concatenated file called *cpc.all*. The file *cpc.all* contains *readme.txt*, *cpc.sty* and *cpcguide.tex*. If you TeX *cpcguide.tex* you will get a full set of instructions for using the style file. In case of difficulties obtaining these files, there is a help-line available via e-mail; please contact texline@cup.cam.ac.uk. While use of CPC LaTeX style file is preferred, ordinary LaTeX or plain TeX files can also be accepted.

On final acceptance of a paper, authors should send the LaTeX source code to the editorial office, together with a hard copy produced using the same file. Discs should be in Apple Mac or PC format and will not be returned. The publisher reserves the right to typeset any article by conventional means if the author's TeX code presents problems in production.

Layout of conventional manuscripts Papers should be typewritten in double spacing throughout, on one side of the paper. Please avoid footnotes if possible. Papers should begin with an abstract of not more than 300 words and should end with a brief concluding section.

**Illustrations** Figures should be drawn in indian ink on good quality white paper or produced by computer to comparable quality. Wherever possible they will be reproduced with the author's original lettering. Originals of figures should not be sent until the paper has been accepted. A list of captions should be attached separately.

**References** References should be listed in alphabetical order at the end of the main text. Please include the article title in the reference, which should be in the order: author's surname, initials; year in parentheses; article title; journal name abbreviated in accordance with the *World List* of Scientific Periodicals (4th edn); volume number; inclusive page numbers. For books and conference proceedings, place of publication and publisher (and Editor(s) if appropriate) should be included. In the text, references should be cited as [1].

**Proof reading** Typographical or factual errors only may be changed at proof stage. The publisher reserves the right to charge authors for correction of non-typographical errors. No page charge is made.

**Offprints** 50 offprints of each article will be supplied free to each first named author. Extra offprints may be purchased from the publisher if ordered at proof stage.



## Combinatorics, Probability & Computing

## CONTENTS

Predecessors in Random Mappings GERD BARON, MICHAEL DRMOTA AND LJUBEN MUTAFCHIEV	317
Reliable Broadcasting in Hypercubes with Random Link and Node Failures BOGDAN S. CHLEBUS, KRYSZTOF DIKS AND ANDRZEJ PELC	337
Multiway Trees of Maximum and Minimum Probability under the Random Permutation Model ROBERT P. DOBROW AND JAMES ALLEN FILL	351
Interval Packing and Covering in the Boolean Lattice	373
Restricted Edge-colourings of Bipartite Graphs ROLAND HÄGGKVIST	385
Subset sums in $\mathcal{N}^2$ NORBERT HEGYVÁRI	393
An Efficient Method of Examining all Trees EWA KUBICKA	403
Fast String Matching in Stationary Ergodic Sources	415
Smallest Sets of Longest Paths with Empty Intersection Z. SKUPIEŃ	429
On the Number of Hamiltonian Cycles in Bipartite Graphs CARSTEN THOMASSEN	437
Author index to Volume 5	443

Printed in the United Kingdom by the University Press, Cambridge



