

## List C.

### Recent and forthcoming publications.

This list contains combinatorial books and papers, with at least one UK based author, that have been published, accepted or submitted for publication since the last issue of the *Bulletin* - i.e., during (approximately) the period April 2009-April 2010 - and have come to the attention of the BCB Editor. The intention is that papers whose status has changed (e.g. by being accepted, or appearing in print) will appear again, but *not* those which are still under consideration or revision, or are still waiting to be published (except possibly preprints which have undergone very substantial revision). Occasionally recentish material in preprint form which appears to be of interest to the combinatorial community but has not previously been publicised in the *Bulletin* will be included, even if it was initiated earlier than a year ago. The intention is that authors are listed in alphabetical order by surname, even if that is not the order in which they appear on the paper – this is a necessity to keep the *Bulletin* orderly - and that all co-authors (UK based or not) are cross-referenced to. In the case of authors who have left or entered the UK during the relevant period, we on the whole tend to generosity in the interpretation of whether papers they should be listed – a perfect system is not possible!

Abbreviations of the titles of journals/serials are normally taken from Zentralblatt, though for less commonly occurring journals, conference proceedings and books the style may vary. Following a suggestion recently, a list of abbreviations and the corresponding full titles of journals is included at the end, to help those unfamiliar with what a particular abbreviation refers to. There will be errors!

Where the Editor is aware of a link to a preprint version of an article (and the author has no objection) a link to that page is included. Maintenance of these links will be minimal to non-existent: they are used at your own risk. Use of these versions is likely to be subject to restrictions, e.g. that the version is used only for purposes of personal study and not for commercial purposes, and should not be reproduced further: if in *any* doubt, you should check with the author(s) of the paper involved before using such links. Preprint versions of a paper may well differ, often non-trivially, from any eventual version which appears in a journal (and there may be several competing versions of the preprint!). The copyright of an article rests with the author(s) unless they have conceded the copyright to (e.g.) a publisher.

Similarly, where a valid DOI number has come to the Editor's attention these are provided: again, accuracy cannot be guaranteed.

This list should not be taken as a complete record of all such publications during the period, and absence of listed papers for any individual should not be taken to imply absence of research activities.

**Abdullah, M., Cooper, C. and Frieze, A. M.**

Cover time of a random graph with given degree sequence. Preprint.

<http://www.math.cmu.edu/~af1p/Texfiles/Gnd.pdf>

**Abel, J., Anderson I. and Finizio, N. J.**

Necessary conditions for the existence of two classes of ZCPS-Wh( $v$ ). Submitted.

**Aboluion, N., Montemanni, R., Perkins, S. and Smith, D. H.**

Linear and nonlinear constructions of DNA codes with Hamming distance  $d$  and constant GC-content. *Discrete Math.*, to appear.

**Abraham, D. J., Levavi, A., Manlove, D. F. and O'Malley, G.**

The stable roommates problem with globally-ranked pairs. *Internet Math.* **5** (2008) 493-515, 2008.<sup>1</sup>

**Abreu, M., Aldred, R. A., Funk, M., Jackson, B., Labbate, D. and Sheehan J.**

Corrigendum to: Graphs and digraphs with all 2-factors isomorphic [J Combin. Theory Ser. B, 92 (2) (2004) 395-404]. *J Combin. Theory Ser B.* **99** (2009), 271-273.

**Achlioptas, D., Coja-Oghlan, A. and Ricci-Tersenghi, F.**

On the solution space geometry of random formulas. *Random Struct. Algorithms*, to appear. <http://web.mac.com/aminco/papers/geometry.pdf>

**Adamaszek, A. and Adamaszek, M.**

Large-girth roots of graphs. In *STACS 2010*. 35-46.

[http://arxiv.org/PS\\_cache/arxiv/pdf/0909/0909.4011v1.pdf](http://arxiv.org/PS_cache/arxiv/pdf/0909/0909.4011v1.pdf)

**Adamaszek, A., Czumaj, A. and Lingas, A.**

PTAS for  $k$ -tour Cover Problem on the Plane for Moderately Large Values of  $k$  In ISAAC'09 (2009) 994–1003. [http://dx.doi.org/10.1007/978-3-642-10631-6\\_100](http://dx.doi.org/10.1007/978-3-642-10631-6_100)

[http://arxiv.org/PS\\_cache/arxiv/pdf/0904/0904.2576v1.pdf](http://arxiv.org/PS_cache/arxiv/pdf/0904/0904.2576v1.pdf)

**Adamaszek, M.**

[see: Adamaszek, A.]

**Addario-Berry, L., Esperet, L., Kang, R. J., McDiarmid, C.J. H. and Pinlou, A.**

Acyclic  $t$ -improper colourings of graphs with bounded maximum degree

*Discrete Math.* **310** (2010) 223-229. <http://dx.doi.org/10.1016/j.disc.2008.09.009>

<http://www.g-scop.inpg.fr/~esperetl/articles/RR-1423-07.pdf>

**Addario-Berry, L., Griffiths, S. and Kang, R. J.**

Invasion percolation on the Poisson-weighted infinite tree. Submitted

[http://arxiv.org/PS\\_cache/arxiv/pdf/0912/0912.0335v1.pdf](http://arxiv.org/PS_cache/arxiv/pdf/0912/0912.0335v1.pdf)

**Addario-Berry, L., Kang, R. J. and Müller, T.**

Acyclic dominating partitions. *J. Graph Theory*, to appear.

<http://dx.doi.org/10.1002/jgt.20457> <http://www.dur.ac.uk/r.j.kang/jacob.pdf>

**Ahmad, I. and Higgins, P. M.**

Bandwidth of direct products of paths and cycles. Submitted.

**Ahmadidilir, K., Campbell, C. M. and Doostie, H.**

Two classes of finite semigroups and monoids involving Lucas numbers. *Semigroup Forum* **78** (2009) 200-209. <http://dx.doi.org/10.1007/s00233-008-9119-8>

**Aikin, J., Chun, C., Hall, R. and Mayhew, D.**

Internally 4-connected binary matroids with cyclically sequential orderings. *Discrete Math.* **310** (2010) 92-108. <http://dx.doi.org/10.1016/j.disc.2009.08.001>

<http://bura.brunel.ac.uk/handle/2438/3653>

**Albert, M. H., Atkinson, M. D. and Linton, S. A.**

Permutations generated by stacks and dequeues. *Ann. Comb.* **14** (2010) 3-16.

<http://dx.doi.org/10.1007/s00026-010-0042-9>

<http://www.cs.otago.ac.nz/staffpriv/mike/Papers/DequeuesAndStacks/DequeuesAndStacks.pdf>

**Albert, M. H. and Linton, S. A.**

Growing at a Perfect Speed. *Comb. Probab. Comput.* **18** (2009) 301-308.

<http://dx.doi.org/10.1017/S0963548309009699>

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<sup>1</sup> Despite the date, this in fact did not appear online until 2010, hence its inclusion.

<http://www-circa.mcs.st-and.ac.uk/Preprints/pgmain.pdf>

**Albert, M. H., Linton, S. A. and Ruškuc, N.**

On the permutational power of token passing networks. In: *Permutation Patterns* (S. Linton, N. Ruškuc, V. Vatter, eds.) *Lond. Math. Soc. Lect. Note Ser.* **376** (2010). ISBN-13: 9780521728348.

<http://www.cs.otago.ac.nz/research/publications/oucs-2004-19.pdf>

**Albert, M. H., Linton, S. A., Ruškuc, N., Vatter, V. and Waton, S.**

On convex permutations. Preprint.

<http://www.math.dartmouth.edu/~vatter/publications/convex/convex.pdf>

**Aldous, D. J., McDiarmid, C. and Scott, A. D.**

Uniform multicommodity flow through the complete graph with random edge-capacities. *Oper. Res. Lett.* **37** (2009) 299-302.

<http://dx.doi.org/10.1016/j.orl.2009.04.008>

<http://people.maths.ox.ac.uk/~scott/Papers/multiflow.pdf>

**Aldred, R. A.**

[see : Abreu, M. ]

**Allen, P.**

Dense  $H$ -free graphs are almost  $(\chi(H) - 1)$ -partite. *Electron. J. Comb.* **17** (2010)

R21. [http://www.combinatorics.org/Volume\\_17/PDF/v17i1r21.pdf](http://www.combinatorics.org/Volume_17/PDF/v17i1r21.pdf)

**Allen, P., Böttcher, J. and Hladký, J.**

Filling the gap between Turán's theorem and Pósa's conjecture. Preprint.

<http://arxiv.org/abs/0906.3299>

**Allen, P., Böttcher, J., Cooley, O. and Hladký, J.**

Minimum degree conditions for large subgraphs. *Electron. Notes Discrete Math.* **34**

(2009) 75-79. <http://dx.doi.org/10.1016/j.endm.2009.07.013>

**Alon, N., Balogh, J., Bollobás, B. and Morris, R. D.**

The structure of almost all graphs in a hereditary property. Preprint.

[http://arxiv.org/PS\\_cache/arxiv/pdf/0905/0905.1942v1.pdf](http://arxiv.org/PS_cache/arxiv/pdf/0905/0905.1942v1.pdf)

**Alon, N., Bollobás, B. and Wegener, I. (eds.)**

Combinatorics and probability. Abstracts from the workshop held April 26th--May 2nd, 2009. *Oberwolfach Rep.* **6** (2009) 1225-1302.

**Alon, N., Bukh, B. and Sudakov, B.**

Discrete Kakeya-type problems and small bases. *Isr. J. Math.* **174** (2009) 285-301.

<http://dx.doi.org/10.1007/s11856-009-0115-9>

[http://arxiv.org/PS\\_cache/arxiv/pdf/0711/0711.1604v2.pdf](http://arxiv.org/PS_cache/arxiv/pdf/0711/0711.1604v2.pdf)

**Alon, N., Coja-Oghlan, A., Hàn, H., Kang, M., Rödl, V. and Schacht, M.**

Quasi-randomness and algorithmic regularity for graphs with general degree distributions. *SIAM J. Comput.* **39** (2010) 2336-2362.

<http://dx.doi.org/10.1137/070709529>

<http://www.math.tu-berlin.de/~kang/pub/jquasi.pdf>

**Alon, N., Gutin, G., Kim, E. J., Szeider S. and Yeo, A.**

Solving MAX- $r$ -SAT above a Tight Lower Bound. To appear in Proc. ACM-SIAM Symposium on Discrete Algorithms (SODA10).

[http://www.siam.org/proceedings/soda/2010/SODA10\\_044\\_alonn.pdf](http://www.siam.org/proceedings/soda/2010/SODA10_044_alonn.pdf)

**Alpern, S., Baston, V. and Gal, S.**

Searching symmetric networks with Utilitarian-Postman paths. *Networks* **53** (2009) 392-402. <http://dx.doi.org/10.1002/net.v53:4>

<http://www.dagstuhl.de/Materials/Files/06/06421/06421.AlpernSteve.Paper.pdf>

**Alpern, S. and Fokkink, R.**

How to hide information for later use on networks. *Proceedings, Game Theory for Networks (GameNets)* (2009) 653 – 657.

<http://portal.acm.org/citation.cfm?id=1689580>

**Alpern, S. and Katrantzi, I.**

Equilibria of two-sided matching games with preferences. *Eur. J. Oper. Res.* **196** (2010) 1214-1222. <http://dx.doi.org/10.1016/j.ejor.2008.05.012>

**Alpern, S., Morton, A. and Papadaki, K.**

Optimizing Randomized Patrols. Working paper.

[http://www.lse.ac.uk/collections/operationalResearch/pdf/2009%20Working%20Papers/WP%2009\\_116.pdf](http://www.lse.ac.uk/collections/operationalResearch/pdf/2009%20Working%20Papers/WP%2009_116.pdf)

**Amato, D.**

Descendants in infinite primitive highly arc-transitive digraphs. Preprint.

<http://www.amsta.leeds.ac.uk/~daniela/.pdf>

**Amato, D. and Truss, J. K.**

Crown-free highly arc-transitive digraphs. *Forum. Math.*, to appear.

<http://www.amsta.leeds.ac.uk/pure/staff/truss/amato.pdf>

**Amato, D. and Truss, J. K.**

Descendant-homogeneous digraphs. Submitted.

<http://www.amsta.leeds.ac.uk/pure/staff/truss/desc.pdf>

**Ambainis, A., Harrow, A. and Hastings, M. B.**

Random tensor theory: extending random matrix theory to random product states.

[http://arxiv.org/PS\\_cache/arxiv/pdf/0910/0910.0472v2.pdf](http://arxiv.org/PS_cache/arxiv/pdf/0910/0910.0472v2.pdf)

**Ambrus, G. and Bárány, I.**

Longest convex chains. *Random Struct. Algorithms* **35** (2009) 137-162.

<http://dx.doi.org/10.1002/rsa.v35:2>

[http://arxiv4.library.cornell.edu/PS\\_cache/arxiv/pdf/0906/0906.5452v1.pdf](http://arxiv4.library.cornell.edu/PS_cache/arxiv/pdf/0906/0906.5452v1.pdf)

**Anderson, I. and Preece, D. A.**

Combinatorially fruitful properties of  $3.2^{-1}$  and  $3.2^{-2}$  modulo  $p$ . *Discrete Math.* **310** (2010) 312-324. <http://dx.doi.org/10.1016/j.disc.2008.09.046>

**Anderson, I. and Preece, D. A.**

Some  $\mathbb{Z}_{n-2}$  terraces from  $\mathbb{Z}_n$  power-sequences, where  $n$  is an odd prime. *Glasg. Math. J.* **52** (2010) 65-85.

**Anderson, I.**

[see: Abel, J.]

**Angel, O., Holroyd, A. E., Martin, J. B. and Propp, J.**

Discrete low-discrepancy sequences. Preprint.

[http://arxiv.org/PS\\_cache/arxiv/pdf/0910/0910.1077v2.pdf](http://arxiv.org/PS_cache/arxiv/pdf/0910/0910.1077v2.pdf)

**Appa, G., Kotnyek, B., Papalamprou, K. and Pitsoulis, L.**

On the representability of totally unimodular matrices on bidirected graphs. *Discrete Math.* **309** (2009). 5024-5042. <http://dx.doi.org/10.1016/j.disc.2009.03.010>

**Araújo, J., von Bünau, P., Mitchell, J. D. and Neunhoffer, M.**

Computing automorphisms of semi groups. *J. Symb. Comput.* **45** (2010) 373-391.

<http://dx.doi.org/10.1016/j.jsc.2009.10.001>

<http://www-circa.mcs.st-and.ac.uk/Preprints/computing10.pdf>

**Arocha, J., Bárány, I., Bracho, X., Fabilla, R. and Montajano, L.**

Very Colourful theorems. *Discrete Comput. Geom.* **42** (2009) 142-154.

<http://dx.doi.org/10.1007/s00454-009-9180-4>

**Arratia-Quesada, A. and Stewart, I. A.**

On the power of deep pushdown stacks, *Acta Inf.* **46** (7) (2009) 509-531.

<http://dx.doi.org/10.1007/s00236-009-0103-x>

<http://www.dur.ac.uk/i.a.stewart/Abstracts/DeepPushdownStacks.htm>

**Arrowsmith, D. K., Bhatti, F. and Essam, J. W.**

Maximal Fermi walk configurations on the directed square lattice and standard Young Tableaux. *J. Phys. A: Math. Theor.* **43** (2010) page 145206 (13pp)

<http://www.maths.qmul.ac.uk/~arrow/MaxFermiTableauxAcc.pdf>

**Arthur, D., Clifford, R., Jalsenius, M., Montanaro, A. and Sach, B.**

The Complexity of Flood Filling Games. Preprint.

[http://arxiv.org/PS\\_cache/arxiv/pdf/1001/1001.4420v1.pdf](http://arxiv.org/PS_cache/arxiv/pdf/1001/1001.4420v1.pdf)

**Asinowski, A. and Ries, B.**

Some properties of edge intersection graphs of single bend paths on a grid. Submitted.

**Atkinson, M. D.**

[see: Albert, M. H.]

**Avgustinovich, S., Kitaev, S. and Pyatkin, A.**

On the number of square-free permutations. Preprint

[http://www2.ru.is/kennarar/sergey/index\\_files/Papers/square-free%20perms.pdf](http://www2.ru.is/kennarar/sergey/index_files/Papers/square-free%20perms.pdf)

**Avis, D., Rosenberg, G., Savani, R. and von Stengel, B.**

Enumeration of Nash Equilibria for Two-Player Games. *Economic Theory* **42** (2010) 9-37. <http://dx.doi.org/10.1007/s00199-009-0449-x>

**Aziz, H., Lachish, O., Paterson, M. S. and Savani, R.**

Power indices for spanning connectivity games. In: Proceedings of 5<sup>th</sup> AAIM 2009. *Lect. Notes Comput. Sci.* **5564** (2009) 55-67.

[http://dx.doi.org/10.1007/978-3-642-02158-9\\_7](http://dx.doi.org/10.1007/978-3-642-02158-9_7)

<http://www2.warwick.ac.uk/fac/sci/dcs/people/research/csreap/research/publications/networkpowerindices.pdf>

**Aziz, H., Lachish, O., Paterson, M. S. and Savani, R.**

Wiretapping a Hidden Network. *Lect. Notes Comput. Sci.* **5564** (2009) 55-67.

<http://dx.doi.org/10.1007/978-3-642-10841-9>

<http://arxiv4.library.cornell.edu/abs/0909.5293>

**Aziz, H. and Paterson, M. S.**

Classification of computationally tractable weighted voting games. Lecture Notes in Engineering and Computer Science, World Congress on Engineering 2008, Volume 1, pp 129-134. [http://arxiv.org/PS\\_cache/arxiv/pdf/0811/0811.2497v2.pdf](http://arxiv.org/PS_cache/arxiv/pdf/0811/0811.2497v2.pdf)<sup>2</sup>

**Aziz, H. and Paterson, M. S.**

False name manipulations in weighted voting games: splitting, merging and annexation. AAMAS 2009, The Eighth International Conference on Autonomous Agents and Multiagent Systems.

<http://www2.warwick.ac.uk/fac/sci/dcs/people/research/csreap/research/publications/aiz-aamas2009.pdf>

**Baber, R. and Talbot, J. M.**

Hypergraphs do jump. Preprint.

[http://uk.arxiv.org/PS\\_cache/arxiv/pdf/1004/1004.3733v1.pdf](http://uk.arxiv.org/PS_cache/arxiv/pdf/1004/1004.3733v1.pdf)

**Baber, R., Johnson, J. R. and Talbot, J. M.**

The minimal density of triangles in tripartite graphs. Submitted.

[http://arxiv.org/PS\\_cache/arxiv/pdf/0910/0910.1237v1.pdf](http://arxiv.org/PS_cache/arxiv/pdf/0910/0910.1237v1.pdf)

(A relevant computer program may be downloaded from

<http://www.ucl.ac.uk/~ucahgmt/GraphFinder.cc>)

**Bailey, R. A.**

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<sup>2</sup> This is the updated title of the preprint "Computing voting power in easy weighted voting games" by the same authors in last year's bulletin.

Variance and concurrence in block designs, and distance in the corresponding graphs. *Mich. Math. J.* **58** (2009) <http://dx.doi.org/10.1307/mmj/1242071685>  
[http://projecteuclid.org/DPubS/Repository/1.0/Disseminate?view=body&id=pdf\\_1&andle=euclid.mmj/1242071685](http://projecteuclid.org/DPubS/Repository/1.0/Disseminate?view=body&id=pdf_1&andle=euclid.mmj/1242071685)

**Bailey, R. F. and Cameron, P. J.**

Base size, metric dimension and other invariants of groups and graphs. *Bull. Lond. Math. Soc.*, to appear.

[http://www.math.uregina.ca/~bailey/papers/basesize\\_metdim.pdf](http://www.math.uregina.ca/~bailey/papers/basesize_metdim.pdf)

**Balister, P. and Bollobás, B.**

Bond percolation with attenuation in high dimensional Voronoi tilings. *Random Struct. Algorithms* **36** (2010) 5-10. <http://dx.doi.org/10.1002/rsa.20295>

<http://www.msci.memphis.edu/~pbalistr/papers/voronoi.pdf>

**Balister, P., Bollobás, B., Johnson, J. R. and Walters, M.**

Random majority percolation. *Random Struct. Algorithms* **36** (2009) 315-340.

<http://dx.doi.org/10.1002/rsa.20281>

**Balister, P., Bollobás, B. and Sarkar, A.**

Percolation, connectivity, coverage and colouring of random geometric graphs. In *Handbook of Large-Scale Random Networks*, Springer, 2009.

**Balister, P., Bollobás, B., Sarkar, A. and Walters, M.**

A critical constant for the  $k$ -nearest neighbour model. *Adv. Appl. Probab.* **41** (2009) 1-12. <http://dx.doi.org/10.1239/aap/1240319574>

[http://arxiv.org/PS\\_cache/arxiv/pdf/0708/0708.4007v1.pdf](http://arxiv.org/PS_cache/arxiv/pdf/0708/0708.4007v1.pdf)

**Balister, P., Bollobás, B., Sarkar, A. and Walters, M.**

Sentry selection in wireless networks. *Adv. Appl. Probab.* **42** (2010) 1-25.

<http://dx.doi.org/10.1239/aap/1269611141>

<http://myweb.wvu.edu/~sarkara/12797revised.pdf>

**Balister, P., Bollobás, B. and Walters, M.**

Random transceiver networks. *Adv. Appl. Probab.* **41** (2009) 323-343.

<http://dx.doi.org/10.1239/aap/1246886613>

[http://www.maths.qmul.ac.uk/~walters/papers/random\\_transceiver\\_networks.ps](http://www.maths.qmul.ac.uk/~walters/papers/random_transceiver_networks.ps)

**Balister, P., Gerke, S. and Gutin, G.**

Convex Sets in Acyclic Digraphs. *Order* **26** (2009) 95-100.

<http://dx.doi.org/10.1007/s11083-009-9109-9>

<http://www.cs.rhul.ac.uk/~gutin/paperstsp/convex290908.ps>

**Balister, P., Gerke, S., Gutin, G., Johnstone, A., Reddington, J., Scott, E., Soleimanfallah, A. and Yeo, A.**

Algorithms for generating convex sets in acyclic digraphs. *J. Discrete Algorithms* **7** (2009) 509-518. <http://dx.doi.org/10.1016/j.jda.2008.07.008>

<http://www.cs.rhul.ac.uk/~gutin/paperstsp/cgen220708.pdf>

**Balogh, J., Bollobás, B., Krivelevich, M., Müller, T. and Walters, M.**

*Hamilton Cycles in Random Geometric Graphs*. Submitted.

<http://www.math.ucsd.edu/~jbalog/cikk/hamilton-aap.pdf>

**Balogh, J., Bollobás, B. and Morris, R. D.**

Bootstrap percolation in three dimensions. *Ann. Probab.* **37** (2009) 1329-1380

<http://dx.doi.org/10.1214/08-AOP433>

[http://arxiv.org/PS\\_cache/arxiv/pdf/0806/0806.4485v1.pdf](http://arxiv.org/PS_cache/arxiv/pdf/0806/0806.4485v1.pdf)

**Balogh, J., Bollobás, B. and Morris, R. D.**

Bootstrap percolation in high dimensions. Preprint.

[http://arxiv.org/PS\\_cache/arxiv/pdf/0907/0907.3097v2.pdf](http://arxiv.org/PS_cache/arxiv/pdf/0907/0907.3097v2.pdf)

**Balogh, J., Bollobás, B., Saks, M. and Sós, V. T.**

The unlabelled speed of a hereditary graph property. *J. Comb. Theory Ser. B* **99** (2009) 9-19. <http://dx.doi.org/10.1016/j.jctb.2008.03.004>  
<http://www.math.ucsd.edu/~jbalog/cikk/divsub.ps>

**Balogh, J., Bollobás, B. and Simonovits, M.**

The typical structure of graphs without given excluded subgraphs. *Random Struct. Algorithms* **34** (2009) 305-318. <http://dx.doi.org/10.1002/rsa.v34:3>  
<http://www.math.ucsd.edu/~jbalog/cikk/bssubm.pdf>

**Balogh, J.**

[see: Alon, N.]

**Bampas, E., Gaşieniec, L., Hanusse, N., Ilcinkas, D., Klasing, R. and Kosowski, A.**

Euler Tour Lock-Problem in the Rotor-Router Model. In DISC 2009.

[http://hal.archives-ouvertes.fr/docs/00/40/27/49/PDF/final\\_DISC2009.pdf](http://hal.archives-ouvertes.fr/docs/00/40/27/49/PDF/final_DISC2009.pdf)

**Bampas, E., Gaşieniec, L., Klasing, R., Kosowski, A. and Radzik T.**

Robustness of the Rotor-Router mechanism. In OPODIS 2009. *Lect. Notes Comput. Sci.* **5923** (2009) 345-358. [http://dx.doi.org/10.1007/978-3-642-10877-8\\_27](http://dx.doi.org/10.1007/978-3-642-10877-8_27)

**Bang-Jensen, J., and Gutin, G.**

*Digraphs: Theory, Algorithms and Applications*. (2<sup>nd</sup> edition). Springer, London, 2009. ISBN: 978-1-84800-997-4

Bárány, I., Por, A. and Valtr, P.

Paths with no small angle. *SIAM J. Discrete Math.* **23** (2009) 1655-1666.

[http://www.renyi.hu/EU\\_CIKKEK/BaranyPorValtr.pdf](http://www.renyi.hu/EU_CIKKEK/BaranyPorValtr.pdf)

Bárány, I.

[see: Ambrus, G., Arocha, J.]

**Barthe, F. and O'Connell, N.**

Matchings and the variance of Lipschitz functions. *ESAIM: Probability and Statistics*, 13:400–408, 2009.

**Baston, V.**

[see: Alpern, S.]

**Bates, C., Bundy, D., Hart, S. and Rowley, P.**

A note on commuting graphs for the symmetric group. *Electron. J. Comb.* **16** (2009) R6. [http://www.combinatorics.org/Volume\\_16/PDF/v16i1r6.pdf](http://www.combinatorics.org/Volume_16/PDF/v16i1r6.pdf)

**Batu, T., Berenbrink, P. and Sohler, C.**

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## List of journal abbreviations for BCB.

This is a list of the abbreviations used for some of the journals we have recently encountered in the Bulletin. There are journals which we cannot find a “standard” journal abbreviation for, in such cases usually the name of the journal is spelled out in full when referring to it. Accuracy is, as usual, not guaranteed!

Some further journals will be added to the list in future. Possibly. Maybe.

*ACM Trans. Comput. Theory* – ACM Transactions on Computation Theory

*Acta Arith.* – Acta Arithmetica

*Acta. Inf.* – Acta Informatica

*Acta Math. Appl. Sin., Engl. Ser.* - Acta Mathematicae Applicatae Sinica (English Series)

*Adv. Appl. Probab.* – Advances in Applied Probability

*Adv. Appl. Math.* – Advances in Applied Mathematics

*Adv. Geom.* – Advances in Geometry

*Adv. Math.* – Advances in Mathematics

*Adv. Math. Commun.* – Advances in Mathematics of Communications

*Algebra Colloq.* – Algebra Colloquium

*Algebr. Represent. Theory* – Algebras and Representation Theory

*Algebra. Univers.* – Algebra Universalis.

*Algorithmica* – Algorithmica

*Algorithms. Comb.* – Algorithms and Combinatorics

*Anal. PDE.* - Analysis and PDE

*Ann. Appl. Probab.* – Annals of Applied Probability

*Ann. Comb.* – Annals of Combinatorics

*Ann. Math.* – Annals of Mathematics

*Ann. Math. Artif. Intell.* - Annals of Mathematics and Artificial Intelligence.

*Ann. Probab.* – Annals of Probability

*Appl. Anal. Discrete Math.* – Applicable Analysis and Discrete Mathematics

*Appl. Math. Lett.* – Applied Mathematics Letters

*Arch. Math. Logic* – Archive for Mathematical Logic

*Arch. Math.* – Archiv der Mathematik

*Australas. J. Comb.* – Australasian Journal of Combinatorics.

*Ars. Comb.* – Ars Combinatorica.

*Bernoulli* – Bernoulli

*Bull. Inst. Comb. Appl.* – Bulletin of the Institute of Combinatorics and its Applications

*Bull. Lond. Math. Soc.* – Bulletin of the London Mathematical Society

*Combinatorica* –Combinatorica

*Comb. Probab. Comput.* – Combinatorics, Probability and Computing.

*Commentat. Math. Univ. Carol.* – Commentationes Mathematicae Universitatis Carolinae.

*Commun. Algebra* – Communications in Algebra

*Comput. Complexity* – Computational Complexity.

*Comput. Oper. Res.* – Computers & Operational Research.

*Congr. Numerantium* - Congressus Numerantium

*Contemp. Math.* – Contemporary Mathematics

*Contrib. Discrete Math.* – Contributions to Discrete Mathematics

*Des. Codes. Cryptography* – Designs, Codes and Cryptography

*Discrete Appl. Math.* – Discrete Applied Mathematics.  
*Discrete Comput. Geom.* – Discrete & Computational Geometry  
*Discrete Math.* – Discrete Mathematics  
*Discrete Math. Appl.* – Discrete Mathematics and its Applications  
*Discrete Math. Theor. Comput. Sci.* – Discrete Mathematics and Theoretical Computer Science  
*Discrete Optim.* – Discrete Optimization  
*Discuss. Math. Graph Theory.* - Discussiones Mathematicae. Graph Theory  
*Electron. Commun. Probab.* – Electronic Communications in Probability  
*Electron. J. Probab.* – Electronic Journal of Probability  
*Electron. J. Comb.* – The Electronic Journal of Combinatorics  
*Electron. Notes Discrete Math.* – Electronic Notes in Discrete Mathematics  
*Eur. J. Comb.* – European Journal of Combinatorics  
*Eur. J. Oper. Res.* – European Journal of Operational Research  
*Exp. Math.* – Experimental Mathematics  
*Finite Fields Appl.* – Finite Fields and their Applications  
*Forum. Math.* – Forum Mathematicum  
*Funct. Approximatio.* – Functiones et Approximatio. Commentarii Mathematicii  
*Fund. Math.* – Fundamenta Mathematicae  
*Fundam. Inform.* – Fundamentae Informaticae  
*Geom. Dedicata.* – Geometriae Dedicata  
*Geom. Funct. Anal.* – Geometric and Functional Analysis  
*Glasg. Math. J.* – Glasgow Mathematical Journal  
*Graphs Comb.* – Graphs and Combinatorics  
*Groups Geom. Dyn.* - Groups, Geometry, and Dynamics  
*IEEE Trans. Inf. Theory* - IEEE Transactions on Information Theory.  
*Inf. Comput.* – Information and Computation  
*Inf. Process. Lett.* – Information Processing Letters  
*Inf. Sci.* – Information Sciences  
*Int. J. Algebra Comput.* - International Journal of Algebra and Computation  
*Int. J. Comput. Geom. Appl.* – International Journal of Computational Geometry & Applications  
*Int. J. Found. Comput. Sci.* – International Journal of Foundations of Computer Science  
*Int. J. Game Theory* - International Journal of Game Theory  
*Int. J. Number Theory* – International Journal of Number Theory  
*Int. Math. Res. Not.* – International Mathematics Research Notices  
*Internet Math.* – Internet Mathematics  
*Isr. J. Math.* – Israel Journal of Mathematics  
*J. ACM.* – Journal of the Association for Computing Machinery  
*J. Algebr. Comb.* – Journal of Algebraic Combinatorics.  
*J. Aust. Math. Soc.* – Journal of the Australian Mathematical Society  
*J. Autom. Lang. Comb.* – Journal of Automata, Languages and Combinatorics  
*J. Comb. Math. Comb. Comput.* – Journal of Combinatorial Mathematics and Combinatorial Computing  
*J. Comb. Des.* – Journal of Combinatorial Designs  
*J. Comb. Optim.* – Journal of Combinatorial Optimization  
*J. Comb. Theory Ser. A/B* – Journal of Combinatorial Theory Series A (or B).  
*J. Comput. Syst. Sci.* – Journal of Computer and System Sciences

*J. Discrete Algorithms* – Journal of Discrete Algorithms  
*J. Geom.* – Journal of Geometry  
*J. Graph Algorithms Appl.* – Journal of Graph Algorithms and Applications  
*J. Graph Theory* – Journal of Graph Theory  
*J. Group Theory* – Journal of Group Theory  
*J. Integer Seq.* – Journal of Integer Sequences  
*J. Log. Comput.* – Journal of Logic and Computation  
*J. Lond. Math. Soc.* – Journal of the London Mathematical Society  
*J. Math. Cryptol.* – Journal of Mathematical Cryptology  
*J. Number Theory* – Journal of Number Theory.  
*J. Phys. A. Math. Theor.* - Journal of Physics A: Mathematical and Theoretical  
*J. Pure Appl. Algebra* – Journal of Pure and Applied Algebra  
*J. Reine Angew. Math.* – Journal für die Reine und Angewandte Mathematik  
*J. Sched.* – Journal of Scheduling  
*J. Stat. Mech. Theory Exp.* – Journal of Statistical Mechanics: Theory and Experiment  
*J. Stat. Phys* – Journal of Statistical Physics.  
*J. Symb. Log.* – Journal of Symbolic Logic  
*J. Symb. Comput.* – Journal of Symbolic Computation  
*Lect. Notes Comput. Sci.* – Lecture Notes in Computer Science  
*Linear Algebra Appl.* – Linear Algebra and its Applications.  
*LMS J. Comput. Math.* – London Mathematical Society Journal of Computation and Mathematics.  
*Lond. Math. Soc. Lect. Note Ser.* – London Mathematical Society Lecture Note Series  
*Math. Gaz.* – Mathematical Gazette  
*Math. Intell.* - The Mathematical Intelligencer  
*Math Log. Q.* – Mathematical Logic Quarterly  
*Math. Methods Oper. Res.* – Mathematical Methods of Operational Research  
*Math. Proc. Camb. Philos. Soc.* – Mathematical Proceedings of the Cambridge Philosophical Society  
*Math. Semesterber.* – Mathematische Semesterberichte  
*Math. Soc. Sci* - Mathematical Social Sciences  
*Mem. Am. Math. Soc.* – Memoirs of the American Mathematical Society  
*Mich. Math. J.* – Michigan Mathematical Journal  
*Monatsh. Math.* – Monatshefte für Mathematik  
*Networks* – Networks  
*Oper. Res. Lett.* - Operations Research Letters  
*Order* – Order  
*Period. Math. Hung.* - Periodica Mathematica Hungarica.  
*Philos. Trans. R. Soc. Lond., A* – Philosophical Transactions of the Royal Society of London A  
*Probab. Theory Relat. Fields* – Probability Theory and Related Fields  
*Proc. Edinb. Math. Soc.* – Proceedings of the Edinburgh Mathematical Society  
*Proc. Lond. Math. Soc.* – Proceedings of the London Mathematical Society  
*Q. J. Math.* - Quarterly Journal of Mathematics  
*Quasigroups Relat. Syst.* - Quasigroups and Related Systems  
*Random Struct. Algorithms* – Random Structures and Algorithms  
*Sémin. Lothar. Comb.* - Séminaire Lotharingien de Combinatoire  
*SIAM J. Comput.* – Society for Industrial and Applied Mathematics Journal on Computing

*SIAM J. Discrete Math.* - Society for Industrial and Applied Mathematics Journal on Discrete Mathematics.

*Stochastic Processes Appl.* – Stochastic Processes and their Applications

*Theor. Comput. Sci.* – Theoretical Computer Science

*Theory Comput. Syst.* – Theory of Computing Systems

*Topolog. Appl.* – Topology and its Applications

*Trans. Am. Math. Soc.* – Transactions of the American Mathematical Society

*Util. Math.* – Utilitas Mathematica