List C: Recent and forthcoming publications

This list contains combinatorial books and papers that have been published, accepted or submitted for publication since the last issue of the *Bulletin*—i.e., during (approximately) the calendar year 2001. This 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.

Abel, R. J. R., Greig, M. and Rees, D. H.
Existence of OBIBDs with k = 4 with and without nesting, submitted.

Adams, P., Bryant, D., El-Zanati, S., Vanden Eynden, C. and Maenhaut, B
Least common multiples of cubes, *Bull. Inst. Combin. Appl.*, to appear.

Adams, P., Bryant, D. and Maenhaut, B.
Common multiples of complete graphs and a 4-cycle, submitted.

Allen, S.M., Smith, D.H. and Hurley, S.,
Generation of lower bounds for minimum span frequency assignment, Discrete Applied Mathematics, Vol. 119, Nos. 1-2, (2002), pp 59-78.

Alpern, S.
Rendezvous in One and More Dimensions, CDAM Research Report 2001-05.

Alpern, S. and Howard, J.V.
Alternating Search at Two Locations, Dynamics and Control, Vol. 10, 319-339.

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Typical Properties of Volume Preserving Homeomorphisms. Cambridge Tracts in Mathematics, Cambridge University Press. Vol. 139

Alpern, S. and Reyniers. D.
Games of Crowding, International Game Theory Review, Vol. 3, No. 1, 27-56.

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Some cyclic and 1-rotational designs, in Surveys in Combinatorics,2001 (ed. J.W.P.Hirschfeld), LMS Lecture Note Series 288, 2001, 47-73.

Anderson,I. and Finizio,N.J.
On the construction of directed triplewhist tournaments, J. Comb. Math. and Combin. Computing 35 (2000), 107-115.

Anderson,I. and Preece,D.A.
Locally balanced change-over designs, Utilitas Math., to appear

Anderson,I and Preece,D.A.
Power-sequence terraces for Zn where n is an odd prime power, Discrete Maths, to appear.

Andrews, G.E. and Lewis, R.P.
Restricted bipartitions, Discrete Mathematics, 232 (2001), 85-89.

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An algebraic identity of F.H. Jackson and its implications for partitions, Discrete Mathematics, 232 (2001), 77-83.

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Araujo, I.M., Branco, M.J.J., Fernandez, V.H., Gomes G.M.S. and Ruskuc, N
On generators and relations for unions of semigroups, Semigroup Forum 63 (2001), 49 - 62.

Araujo, I.M. and Ruskuc, N.
Finite presentability of Bruck-Reilly extensions of groups, J. Algebra 242 (2001), 20 - 30.

Atkinson, A. C. and Bailey, R. A.
One hundred years of the design of experiments on and off the pages of Biometriki. *Biometrika*, **88**, (2001), 53-97.

Atkinson, A. C., Bogacka, B. and Zhigljavsky, A.
Editors of *Optimum Design 2000*, Kluwer, Dordrecht, 2001. ISBN 0-7923-6798-7

Atkinson, M.D., Murphy, M.M. and Ruskuc, N.
Sorting with ordered stacks in series, Theoret. Comput. Sci., to appear.

Atkinson, M.D., Murphy, M.M. and Ruskuc, N.
Partially well-ordered closed sets of permutations, Order, to appear.

Babbage, S.,
Design of Security Algorithms for Third Generation Mobile Telephony Information Security Technocal Report, Vol 5, No 3 (2000), 66-73.

Bailey, R. A. and Monod, H.
Efficient semi-Latin rectangles: designs for plant disease experiments. *Scandinavian Journal of Statistics*, **28**, (2001), 257-270.

Bailey, R. A., Ollis, M. A. and Preece, D. A.
Round-dance neighbour designs from terraces, Discrete Mathematics, submitted.

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On (q^2+q+2,q+2)-arcs in the projective plane PG(2,q), Designs Codes Cryptography **24** (2001), 205-224.

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On bipartite tournaments balanced with respect to carry-over effects for both teams. Discrete Mathematics, **231**, (2001), 81-87.

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Defining sets for latin squares given that they are based on groups. Submitted.

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Weak critical sets in cyclic Latin squares. The Australasian Journal of Combinatorics, 23(2001), pp 301-316.

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A new construction for efficient semi-latin squares. The Journal of Statistical Planning and Inference, 98(2001), pp 287-292.

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Quasi-orthogonal latin squares and their applications. Submitted.

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Line graphs of bipartite graphs with Hamiltonian paths. Submitted.

Bell, F.K. and Rowlinson, P.
On the multiplicities of graph eigenvalues. Submitted.

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Bi-embeddings of Steiner triple systems of order 15, *Graphs Combin.* 17 (2001), 193-197.

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Cyclic bi-embeddings of Steiner triple systems on 31 points, *Glasg. Math. J.* 43 (2001), 145-151.

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On cyclic bi-embeddings of Steiner triple systems of order 12*s*+7, *J. Combin. Des.*, to appear.

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On the bi-embeddability of certain Steiner triple systems of order 15, *Europ. J. Combin.*, to appear.

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Chromatic polynomials and representations of the symmetric group CDAM Research Report 2001-02, July 2001.

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The number of k-SAT functions, CDAM Research Report 2001-11.

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On the volume of 4-cycle trades, *Graphs Combin*., to appear.

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Burgess, D. R. B. and Keedwell, A. D.
Weakly completable critical sets for proper vertex and edge coourings of graphs. Australas. J. Combin., 24(2001), 35-45.

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On the efficiency of direct powers of PGL(2,p), to appear.

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J. Algebraic Combinatorics 14 (2001), 5-16.

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[see also Bennett, Bryant, Forbes, Franek]

Gray, D.
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