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 2003. 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.

Abraham, D.J., Irving, R.W. and Manlove, D.F.

Albert, M.H., Atkinson, M.D. and Ruskuc, N.

Albert, M.H., Atkinson, M.D. and Ruskuc, N.

Alejandro, P. P., Bailey, R. A. and Cameron, P. J.
Association schemes and permutation groups, Discrete Mathematics 266 (2003), 47-67.

Allen, S.M.,
[see also: Montemanni]

Alpern, S. and Gal, S.

Anderson, I. and Ellison, L.
Z-cyclic ordered triple whist tournaments on p elements, where p=5 (mod 8), submitted.

Anderson, I. and Ferguson, C.

Anderson, I. and Finizio, N.
Some new Z-cyclic whist tournament designs, submitted.

Anderson, I. and Preece, D.A.
Some narcissistic half-and-half power-sequence Z_p terraces with segments of different lengths, Congressus Numerantium 163 (2003), 5-26.
Anderson, I and Preece, D.A.  
Narcissistic half-and-half power sequence terraces for $Z_n$ with $n=pq^t$, Discrete Maths., to appear.

Anderson, I. and Preece, D.A.  
Power-sequence terraces for $Zn$ where $n$ is an odd prime power, Discrete Mathematics 261 (2003), 31-58.

de Andrade, E.X.L., McCabe, J.H. and Sri Ranga, A.  

de Andrade, E.X.L., and McCabe, J.H.  

Anthony, M.  

Anthony, M.  

Anthony, M.  

Anthony, M.  

Anthony, M.  
Learning multivalued multithreshold functions. CDAM Research Report 2003-03.

Anthony, M.  

Anthony, M.  
Boolean Functions and Artificial Neural Networks. CDAM Research Report 2003-01. (A version to appear as a chapter of Boolean Methods and Models (ed. Y. Crama and P.L. Hammer)).

Anthony, M. and Franco, L.  
Arratia, R. and Stark, D.
A total variation distance invariance principle for primes, permutations, polynomials and Poisson-Dirichlet, preprint.

Babbage, S., de Canniere, C., Lano, J., Preneel, B., and Vandewalle, J.

Bailey, R. A.

Bailey, R. A.


Bailey, R. A., Ollis, M. A. and Preece, D. A.
Round-dance neighbour designs from terraces, Discrete Mathematics 266 (2003), 69-86.

Bailey, R. A.
[see also: Alejandro]

Banks, D., and Linton, S.A.

Barat, J., Edel, Y., Hill, R. and Storme, L.

Beals, R., Leedham-Green, C. R., Niemeyer, A. C., Praeger., C. E. and. Seress, Á.

Bedford, D., Johnson, M. and Ollis, M. A.
Defining sets for latin squares given that they are based on groups, European Journal of Combinatorics 24 (2003), 129-135.
Bekmetjev, A., Brightwell, G., Czygrinow, A., and Hurlbert, G.

Bell F.K.,
Line Graphs of Bipartite Graphs with Hamiltonian Paths, J. Graph Theory 43 (2003), 137-149.

Bell F.K. and Rowlinson P.,

Bell F.K. and Simic S.K.,
On graphs whose star complement for -2 is a path or a cycle, Linear Algebra Appl. 377 (2004), 249-265.

Berg, A. R., Jackson, B. and Jordán, T.
Highly edge-connected detachments of graphs and digraphs, J. Graph Theory 43 (2003), 67-77.

Biggs, N.

Biggs, N.

Bollobás, B. and Brightwell, G.

Bollobás, B. and Brightwell, G.

Bollobás, B., Brightwell, G. and Leader, I.

Brightwell, G.
The number of linear extensions of ranked posets, CDAM Research Report 2003-18

Brightwell, G., van den Heuvel, J. and Stougie, L.
A linear bound on the diameter of the transportation polytope, to appear in Combinatorica. CDAM Research Report 2003-10

Brightwell, G., Oriolo, G. and Shepherd, F. B.
Brightwell, G. and Tetali, P.

Brightwell, G. and Winkler, P.

Brightwell, G.
[see also: Bekmetjev and Bollobás]

Burkard, R.E. and Butkovic, P.

Butkovic, P.

Butkovic, P.

Butkovic, P.
[see also: Burkard]

Cameron, P.J.

Cameron, P.J.
Multi-letter Youden rectangles from quadratic forms, Discrete Math. 266 (2003), 143-151.

Cameron, P.J.

Cameron, P.J. and Dent, A. W.

Cameron, P.J. and Ku, C.Y.

Cameron, P.J. and Majid, S.
Braided line and counting fixed points of GL(d,Fq), Communications in Algebra.
Cameron, P.J. and Müller, T. W.

Cameron, P.J. and Preece, D.A.
Notes on primitive lambda-roots [revised],
http://www.maths.qmul.ac.uk/~pjc/csgnotes/lamda.pdf

Cameron, P.J. and Tarzi, S.
Switching with more than two colours, Europ. J. Combinatorics, in press.

Cameron, P.J. and Wanless, I. M.

Cameron, P. J.
[see also: Alejandro, Bailey]

Campbell, C.M., Campbell, P.P., Hopson, B.T.K. and Robertson, E.F.

Campbell, C.M., Havas, G., Hulpke, A. and Robertson, E.F.

Campbell, C.M., Havas, G., Ramsay, C., Hulpke, A. and Robertson, E.F.
Nice efficient simple presentations for all small simple groups and their covers, submitted.

Campbell, C.M., Robertson, E.F. and Smith, G.C. (editors)

Campbell, C.M., Robertson, E.F. and Smith, G.C. (editors)

Campbell, P.P.
[see also: Campbell, C.M.]

Cechlarova, K. and Manlove, D.F.
The exchange-stable marriage problem, submitted.

Cariolaro, D. and Hilton, A.J.W.
Class 1 graphs associated with regular graphs of high degree, Congressus Numerantium, 159 (2002), 133-142.

Cohen, S.D. and Huczynska, S.
Cohen, S.D. and Huczynska, S.

Cvetkovic, D., Rowlinson P. and Simic S.,

Cvetkovic D., Rowlinson P. and Simic S.,

Dobcsányi, P
[see also: Bailey]

Duckworth, W., Manlove, D.F. and Zito, M.
On the approximability of the maximum induced matching problem, submitted.

Dugdale, J.K. and Hilton, A.J.W.
The structure of totally critical graphs of odd order, Discrete Math., 266 (2003), 229-238.

Falk, K.H. and Stratmann, B.O.

Edwards, K.J.,

Edwards, K.J.,
Detachments of complete graphs, submitted.

Edwards, K.J. and Farr, G.E.,
Planarization and fragmentability of some classes of graphs, submitted.

Edwards, K.J. and Farr, G.E.,
On monochromatic component size for greedy colourings, submitted.

Funk, M., Jackson, B., Labbate, D., and Sheehan, J.
2-Factor Hamiltonian graphs, J. Combinatorial Theory (B) 87 (2003), 138-144.

Gent, I.P., Harvey, W., Kelsey, T.W. and Linton, S.A.
Georgiou, N.  

Gordon, N.A., Jarvis, T.M. and Shaw, R.  
Aspects of the linear groups GL(n,2), submitted.

Gordon, N.A., Shaw, R. and Soicher, L.H.  
Classification of partial spreads in PG(4,2), submitted.

Gordon, N.A.  
[see also: Shaw]

Halldorsson, M., Irving, R.W., Iwama, K., Manlove D.F., Miyazaki, S., Morita, Y. and Scott, S.  

Henderson, M.J. and Hilton, A.J.W.  

van den Heuvel, J. and McGuinness, S.  

van den Heuvel, J.  
[see also: Brightwell]

Higgins, P.M., Howie, J.M., Mitchell, J.D. and Ruskuc, N.  

Higgins, P.M., Mitchell, J.D. and Ruskuc, N.  

Hill, R.  
Multiple cot deaths – coincidence or beyond coincidence? *Paediatric and Perinatal Epidemiology*, to appear.

Hill, R. and Love, C.P.  

Hill, R.  
[see also: Barat and Landjev]

Hilton, A.J.W. and Johnson, M.  
An algorithm for finding $\lambda$-edge-connected $k$-factorizations of complete

**Hilton, A.J.W. and Johnson, M.**

Amalgamations of connected k-factorizations, *J. Combinatorial Theory (B)*, 88 (2003), 267-279.

**Hilton, A.J.W., Liu, J. and Zhao, C.**

Hamiltonian double latin squares, *J. Combinatorial Theory (B)*, 87 (2003), 81-129.

**Hilton, A.J.W., Wu, J-L. and Wang P.**
Two sufficient conditions for a graph to be Type 1, *Ars Combinatoria*, to appear.

**Hilton, A.J.W. and Wojciechowski, P.**

**Hilton, A.J.W.**
[see also: Cariolaro, Dugdale and Henderson]

**Hirschfeld, J.W.P.**
The 1959 Annali di Matematica paper of Beniamino Segre and its legacy, *J. Geometry* 76 (2003), 82-94.

**Hirschfeld, J.W.P. and Korchmaros, G.**

**Holmes, P.E., Linton, S.A. and Murray, S.H.**

**Huczynska, S.**
[see also: Cohen]

**Huczynska, S. and Cohen, S.D.**
Hulpke, A. and Linton, S.A.

Irving, R.W. and Love, L.
The suffix binary search tree and suffix AVL tree, J. Discrete Algorithms 1 (2003), 387-408.

Irving, R.W., Manlove, D.F. and Scott, S.

Irving, R.W., Michail, D., Mehlhorn, K., Paluch, K. and Telikepalli, K.

Irving, R.W. and Scott, S.

Irving, R.W
[see also: Abraham and Halldorsson]

Jackson, B.

Jackson, B. and Jordán, T.
Non-separable detachments of graphs, J. Combinatorial Theory (B), 87 (2003), 17-37.

Jackson, B.
[see also: Berg and Funk]

Jaworski, J., Karonski, M. and Stark, D.
The degree of a typical vertex in generalized random intersection graph models, preprint.

Jendrol’, S. and Owens, P. J.

Johnson, M.
[see also: Bedford and Hilton]

Johnson, J. R.
Jones, R.A., Smith, D.H. and Perkins, S.,
Assignment of spreading codes in DS-CDMA UWB systems, Proceedings of
IEEE Conference on Ultra Wideband Systems and Technologies, Reston,
Virginia, November 2003.

Keedwell, A. D.
Critical sets in latin squares and related matters: an update. *Utilitas Math.*, to
appear.

Keedwell, A. D.
Tests for loop nuclei and a new criterion for a latin square to be group-based.

Keedwell, A. D. and Mullen, G.
On sets of partially orthogonal latin squares and “near” projective planes.
Submitted.

Keedwell, A. D. and Shcherbacov V. A.
Construction and properties of $(r, s, t)$-inverse quasigroups I. *Discrete

Keedwell, A. D. and Shcherbacov V. A.
Construction and properties of $(r, s, t)$-inverse quasigroups II. Submitted.

Keedwell, A. D. and Shcherbacov V. A.
Quasigroups with an inverse property and generalized parastrophic identities.
Submitted.

Kemp, A.W.
Characterizations involving $U | (U+V=m)$ for certain discrete distributions. C. R.
(2003), no. 1-2, 31--41.

Kesseboehmer, M., and Stratmann, B.O.
Multifractal Formalism for Growth Rates and Applications to Geometrically Finite

Kesseboehmer, M.H., and Stratmann, B.O.
Stern-Brocot Pressure and Multifractal Spectra in Ergodic Theory of Numbers. To
appear in the Proceedings of the Symposium ´Symbolic Dynamics and Ergodic
Theory´.

Kostochka, A. V. and Woodall, D. R.
Irreducible hypergraphs for Hall-type conditions, and arc-minimal digraph
expanders, submitted.

Ku, C. Y.
[see also: Cameron]
Landjev, I., Rousseva, A., Maruta, T. and Hill, R.
On optimal codes over the field with five elements, Designs, Codes and Cryptography, 29 (2003) 165-175.

Leader, I
[see also: Bollobás]

Leedham-Green, C. R.
[see also: Beals]

Linton, S.A.,
[see also: Banks, Gent, Holmes and Hulpke]

Luczak, M.

Luczak, M. and McDiarmid, C.

Luczak, M., McDiarmid, C. and Upfal, E.

Manlove, D.F. and Middendorf, M.

Manlove, D.F.
[see also: Abraham, Cechlarova, Duckworth, Halldorsson and Irving]

McCabe, J.H.,
[see also: Andrade]

McDiarmid, C.
[see also: Luczak]

Montemanni, R., Moon, J.N.J. and Smith, D.H.,

Montemanni, R., Smith, D.H. and Allen, S.M.,
Müller, T. W.

Müller, T. W. (editor),

Müller, T. W.
[see also: Cameron]

Nincák, J. and Owens, P. J.

Ollis, M. A. and Preece, D. A.
Sectionable terraces and the (generalised) Oberwolfach problem, Discrete Mathematics 266 (2003), 399-416.

Ollis, M. A.
[see also: Bailey, Bedford]

Owens, P. J.
[see also: Jendrol’ and Nincák]

Perkins, S. Sakhnovich, A.L. and Smith, D.H.,
Mixed error-correcting codes and constant weight codes, submitted.

Perkins, S. Smith, D.H. and Ryley, A.,

Perkins, S.
[see also: Jones and Smith]

Phillips, N. C. K., Preece, D. A. and Rees, D. H.

Poole, T. R.
A degree and neighbourhood condition for the extendability of a set of 1 edges to a K-factor in a bipartite graph, submitted.

Poole, T. R.
A sufficient condition for Hamiltonian circuits in bipartite graphs, submitted.
Preece, D.A.
[see also: Anderson, Bailey, Cameron, Ollis and Phillips]

Prowse, A. and Woodall, D. R.
Choosability of powers of circuits, Graphs Combin. 19 (2003), 137-144.

Rees, D. H.
[see also: Phillips]

Robertshaw, A. M.,
k-factors and extendability in bipartite graphs, submitted.

Robertson, E.F,
[see also: Campbell,]

Robertson, E.F., Ruskuc, N., and Thomson, M.R.

Roney-Dougal, C.M.
Conjugacy of subgroups of the general linear group Submitted.

Roney-Dougal, C.M.

Roney-Dougal, C.M. and Unger, W.R.
The affine primitive permutation groups of degree less than 1000. J. Symbolic Comput. 35 (2003), no. 4, 421--439.

Rowlinson P.

Rowlinson P.
[see also: Bell and Cvetkovic]

Ruskuc, N.
[see also: Albert, Higgins and Robertson]

Sands, A.D.,

Savani, R. and von Stengel, B.

Scott, S.
[see also: Halldorsson and Irving]
Shaw, R. and Gordon, N.A.
The quintic Grassmannian G$_{1,4,2}$ in PG(9,2), Designs, Codes and Cryptography, to appear.

Shaw, R. and Maks, J.G.
Conclaves of planes in PG(4,2) and certain planes external to the Grassmannian G$_{1,4,2}$ in PG(9,2), J. Geom. 78 (2003) 168-180.

Shaw, R., Maks, J.G. and Gordon, N.A.
The classification of flats in PG(9,2) which are external to the Grassmannian G$_{1,4,2}$ Designs, Codes and Cryptography, to appear.

Shaw, R., Maks, J.G. and Gordon, N.A.
Partial spreads in PG(4,2) and flats in PG(9,2) external to the Grassmannian G$_{1,4,2}$ Submitted.

Shaw, R.
[see also: Gordon]

Sheehan, J.
[see also: Funk]

Smith, D.H.,
[see also: Jones, Montemanni and Perkins]

Soicher, L. H.

Soicher, L. H.
[see also: Bailey and Gordon]

Stark, D.

Stark, D.
The vertex degree distribution of random intersection graphs, submitted.

Stark, D.
Convergence in distribution for subset counts between random sets, submitted.

Stark, D. and Wormald, N.,
Distribution of the number of isomorphic copies of subgraphs in large random graphs, preprint.

Stark, D.
[see also: Arratia and Jaworski]
von Stengel, B.
[see also: Savani]

Stratmann, B.O.

Stratmann, B.O.
The Exponent of Convergence of Kleinian Groups; on a Theorem of Bishop and Jones. To appear in the Proceedings of the Conference 'Fractal Geometry and Stochastics'.

Stratmann, B.O.
[see also: Falk and Kesseboehmer]

Stratmann, B.O., and Urbanski, M.

Stratmann, B.O., and Urbanski, M.
Multifractal Analysis of Parabolically Semihyperbolic Generalized Polynomial-Like Maps

Stratmann, B.O., and Urbanski, M.
Metrical Diophantine Analysis for Tame Parabolic Iterated Function Systems.

Tarzi, S.
[see also: Cameron]

Wanless, I. M.
[see also: Cameron]

Waters, R. J.
Some new bounds on Tr-choosability, submitted.

Woodall, D. R.
QPQ, a quota-preferential STV-like election rule, Voting matters 17 (2003), 1-7.

Woodall, D. R.
Defective choosability of graphs with no edge-plus-independent-set minor,
J. Graph Theory 45 (2004), 51-56.

Woodall, D. R.
Woodall, D. R.
[see also: Kostochka and Prowse]

Zverovich, V.E.

Zverovich, V.E. and Zverovich, I.E.
Basic perfect graphs and their extensions, (submitted).

Zverovich, V.E. and Zverovich, I.E.

Zverovich, V.E. and Zverovich, I.E.
Bipartition of graphs into subgraphs with prescribed hereditary properties, Graph Theory Notes of New York, 44 (2003) 22-29.

Zverovich, V.E. and Zverovich, I.E.

Zverovich, V.E. and Zverovich, I.E.