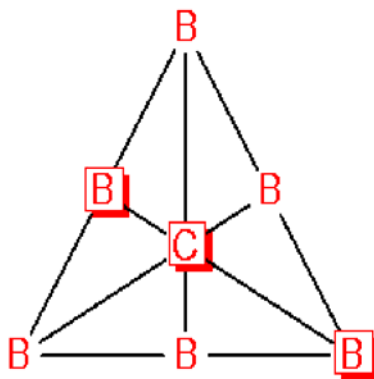


British Combinatorial Bulletin 2009



BRITISH COMBINATORIAL BULLETIN 2009

This is the 2009 British Combinatorial Bulletin. The format is essentially as in previous years. We hope that the additional Newsletter (now produced twice a year, in April and October) will help to convey some rather more informal information, and that attempts to provide links to papers etc. where available will help users.

Can I again thank all institutional representatives for their enormous help in preparing this Bulletin. The BCB is very much what you make of it, and thus your suggestions (or those of your colleagues) for improvements remain very welcome. If anyone is interested in becoming a representative for an institution which doesn't currently have one, please let me know – the object of the exercise is to spread information, and so the more representatives we can have the better.

You will observe a minor change in format this year – the front matter, while still containing the accounts and this introduction, does not now contain information about forthcoming meetings etc. This is simply because it overlaps with the content of the Newsletter. All that information is available in the Newsletter at <http://www.essex.ac.uk/maths/BCB/newsletters.htm> - the most recent one is number 6 (April 2009).

You are again reminded that the Bulletin Editor also maintains a mailing list for the announcement of meetings, research-student and above level courses, job adverts and other occasional items (e.g. inaugural lectures) in the UK. Any person who wishes to join or leave this list may do so at any time by emailing the Editor (email as below). Use of the list is subject to the listholder being satisfied as to an applicant's bona fides and to adherence to the Responsible Usage Policy. We hope to update this shortly.

Finally, a very large vote of thanks is due to Cat Gentry for her technical help with the preparation of this Bulletin.

David Penman
Editor
April 25th 2009.

The BCB webpage is: <http://www.essex.ac.uk/maths/BCB/>

Email should be addressed to: dbpenman@essex.ac.uk

The British Combinatorial Committee is a charity registered in Scotland, No: SC019723.

Committee Membership.

The Committee currently consists of: Peter Cameron (Chairman), Peter Rowlinson (Secretary), Keith Edwards (Treasurer), Sophie Huczynska (BCC22 Local Organiser), Arezou Soleimanfallah (2009 PCC organiser), David Penman (Bulletin editor), Bridget Webb (Archivist), Graham Brightwell, Mark Jerrum, Stephanie Perkins, and James Hirschfeld (co-opted member).

Support for Conferences

Please contact the British Combinatorial Committee if you are thinking of organizing a meeting on combinatorial topics in the UK: in most cases, the Committee can offer financial support. Institutions requesting support are normally expected to make a contribution from their own funds or elsewhere. Proposals for consideration by the Committee, including outline plans and an outline budget, should be sent by email to the Secretary, Peter Rowlinson (p.rowlinson@stirling.ac.uk)

Archive

Bridget Webb now holds the archive at the Open University. If you have any items for inclusion or would like to see any items please contact her: B.S.Webb@open.ac.uk

News of forthcoming meetings.

This year, as noted in the Introduction, we have moved the news of forthcoming meetings to the Newsletter so as to avoid overlap. Remember that (all) British Combinatorial Newsletters are available at <http://www.essex.ac.uk/math/BCB/newsletters.htm> and the most recent one, produced at (essentially) the same time as this Bulletin, is number 6. Remember the Newsletter also includes details of e.g. visitors, recent Ph.D theses, jobs and some other items.

BRITISH COMBINATORIAL COMMITTEE

Receipts and Payments Account for the period 1 October 2007 to 30 September 2008

	Year to 30/9/2008 £	Year to 30/9/2007 £
Receipts		
Interest	1140.44	1111.03
Royalties from Cambridge University Press	572.49	123.59
Unused parts of grants for one-day conferences	76.35	
Total receipts	<u>1789.28</u>	<u>1234.62</u>
Payments		
Grant for London 2-day conference (Queen Mary/LSE), May	1400.00	1500.00
Grants for one-day conferences	1300.00	850.00
Postgraduate Combinatorics Conference	500.00	240.00
Expenses for committee meetings (paid to 2 committee members)	162.93	226.90
Open University Combinatorics Prizes	100.00	100.00
(Insurance for BCC21, Reading, July 2007)		410.00
Total payments	<u>3462.93</u>	<u>3326.90</u>
Surplus / (deficit) for year	(1673.65)	(2092.28)

All funds are unrestricted

Statement of Balances as at 30 September	2008 £	2007 £
Bank accounts:		
Opening balances	24090.39	26182.67
Surplus (deficit) for year	(1673.65)	(2092.28)
Closing balances	<u>22416.74</u>	<u>24090.39</u>
Made up of:		
Bank of Scotland Treasurer's Account	726.23	531.58
Scottish Widows Bank Treasury Tracker Account	21690.51	23558.81
	<u>22416.74</u>	<u>24090.39</u>

The British Combinatorial Committee is a charity registered in Scotland, No:
SC019723.

BRITISH COMBINATORIAL COMMITTEE
(Scottish Charity Number SC019723)

The financial statement for the period 1 October 2007 to 30 September 2008 was approved by the Trustees on

(date):

and is signed on their behalf by :

Dr K J Edwards (Treasurer)

LIST A.

Combinatorial Mathematicians based in Britain.

A	
Adamaszek, Anna	Warwick
Adamaszek, Michal	Warwick
Albrecht, M.	RHUL
Allen, Dr. Peter	Warwick
Allen, Stuart M.	Cardiff
Al-Kharoosi, Fatma	QMUL
Al-Seraji, Najm	Sussex
Al-Zengana, Emad	Sussex
Anderson, Dr. Ian	Glasgow
Anthony, Prof. Martin	LSE
Appa, Prof. G.	LSE
Arrowsmith, Prof D. K.	QMUL
Aziz, Haris	Warwick

B	
Babbage, Dr. S.	Vodafone Group
Bailey, Prof. R.A.	QMUL
Ball, Prof. Keith M.	UCL
Barany, Prof. Imre	UCL
Batu, Tugkan	LSE
Bedford, Dr. David	Keele
Belrose, Dr. Caroline	Vodafone Group
Bending, Dr. Thomas D.	Middlesex
Biggs, Prof. Norman L.	LSE
Biró, Dr. Peter	Glasgow
Blackburn, Prof. Simon	RHUL
Boase, Mansur	Cambridge
Bogacka, Dr. B.	QMUL
Bollobás, Prof. B.	Cambridge

Bone, Dr. Nicholas	Vodafone Group
Bordewich, Dr. Magnus	Durham
Borovik, Dr. A. V.	Manchester
Bowler, Dr. Andrew	Birkbeck
Bray, Dr. John	QMUL
Briggs, Dr. Keith	BT Martlesham Labs
Brignall, Dr. Robert	Bristol
Brightwell, Prof. G. R.	LSE
Britnell, Dr. John R.	Leeds
Broersma, Prof. Hajo	Durham
Brough, Michael	QMUL
Brown, Dr. G. D.	Kent
Bryant, Prof. Roger M.	Manchester
Buchstaber, Prof. V.	Manchester
Burrows, Prof. Brian L.	Staffordshire
Butkovic, Dr. Peter	Birmingham
Byott, Dr. Nigel P.	Exeter

C	
Cameron, Prof. Peter J.	QMUL, London
Camina, Prof. Alan R.	UEA
Campbell, Dr. Colin M.	St. Andrews
Chapman, Dr. Robin J.	Exeter
Chen, L.	RHUL
Chen, Prof. Bo	Warwick
Chetwynd, Prof. A. G	Lancaster
Chicot, Dr. Katie M.	Open
Christofides, Dr. D.	Birmingham
Cid, Dr. Carlos	RHUL
Ciechanowicz, Dr. C.	RHUL
Clarke, Dr. Francis W.	Swansea
Clarke, Geoffrey M.	Kent
Cohen, Prof. D. E.	RHUL
Coja-Oghlan, Dr. Amin	Edinburgh
Constable, Robin L.	St. Andrews
Cook, Gary	Sussex
Cook, Prof. R.J.	Sheffield
Cooley, Oliver	Birmingham

Cooper, Dr. Colin	KCL
Cooper, Prof. S. Barry	Leeds
Cosh, Ben	Goldsmith's
Crampton, Dr. Jason	RHUL
Creed, Paídí	Edinburgh
Croft, Dr. Hallard T.	Cambridge
Crouch, Dr. Simon	Hewlett-Packard
Cryan, Dr. Mary	Edinburgh
Csornyei, Prof. Marianna	UCL
Curtis, Prof. Robert T.	Birmingham
Czumaj, Prof. Artur	Warwick

D	
Damerell, Dr. R. Mark	RHUL
Dantchev, Dr. Stefan	Durham
Daykin, Dr. David E.	Reading
Deineko, Dr. Vladimir	Warwick
Dent, A.	RHUL
Drizen, Andrew	QMUL
Dugdale, Dr. J. Keith	Reading
Duncan, Dr. Andrew J.	Newcastle
Dye, Prof. Roger H.	Newcastle
Dyer, Prof. Martin	Leeds
Džamonja, Dr. Mirna.	UEA

E	
Edwards, Dr. Keith J.	Dundee
Eggemann, Nicole	Brunel
Eleftheriou, Andria	Essex
Elsholtz, Dr. Christian	RHUL
Englert, Dr. Matthias	Warwick
Erlebach, Prof. Thomas	Leicester
Essam, Prof. John W.	RHUL
Evans, Prof. David M.	UEA

Evans, Dr. Edward A.	St.Mary's U. C.
Everett, Prof. M. G.	Greenwich

F	
Faben, John	QMUL
Fairbairn, B.	Birmingham
Falconer, Prof. K. J.	St. Andrews
Falgas-Rouvry, Victor	QMUL
Fenn, Andrew	Manchester
Fenner, Dr. Trevor I.	Birkbeck
Firby, Dr. Peter A.	Exeter
Fleischmann, Prof. P.	Kent
Forbes, Dr. Tony.D.	Open
Friedetzky, Dr. Tom	Durham

G	
Galbraith, Dr. Steven	RHUL
Gao, Rong	Essex
Gardiner, Dr. Tony D.	Birmingham
Gąsieniec, Leszek	Liverpool
Gate, James	Durham
Georgiou, Dr. Nicholas	Bristol
Gerke, Dr. Stefanie	RHUL
Gibson, Dr. J. Keith	Birkbeck
Gilder, John	Manchester
Gillett, Dr. Raphael T.	Leicester
Gilmour, Prof. S. G.	QMUL
Glass, Prof. Celia A.	City
Goldberg, Prof. Leslie A.	Liverpool
Goldberg, Dr. Paul W	Liverpool
Gordon, Dr. Neil A.	Hull
Gowers, Prof. W. Tim	Cambridge
Grannell, Prof. Mike J.	Open

Grant, Joseph	Bristol
Gray, Dr. Robert	St. Andrews
Grbić, Dr. Jelena	Manchester
Green, Prof. B.	Cambridge
Griggs, Prof. Terry	Open
Grimm, Uwe	Open
Gürel, Dr. Sinan	Warwick
Gutin, Prof. Gregory	RHUL
Gwynllyw, Dr. Rhys	West of England

H	
Haigh, Claude W.	Swansea
Haight, Dr. John A.	UCL, London
Hall, Dr. Rhiannon	Brunel
Hart, Dr. Sarah	Birkbeck
Hauser, Dr. Raphael	Oxford
Helfgott, Dr. Harald	Bristol
Henderson, Matthew	Swansea
Hetherington, Dr. Timothy J.	Nottingham Trent
Heuer, Manuela	Open
van den Heuvel, Prof. J.	LSE
van 't Hof, Pim	Durham
Higgins, Prof. Peter M.	Essex
Hill, Prof. Ray	Salford
Hilton, Prof. A. J.W.	Reading
Hirschfeld, Prof. J.W.P.	Sussex
Hoffman de Visme, Ivan	Charterhouse School
Holroyd, Dr. Fred C.	Open
Hook, James	Manchester
Howard, Dr. John	LSE
Huczynska, Dr. Sophie	St. Andrews
Huggett, Dr. Stephen	Plymouth
Hughes, Dr. Lesley A	Ystrad Mynach College
Hughes Jones, R.	RHUL
Hunt, Dr. Francis	Glamorgan
Hunter, Gordon J.A.	Kingston University

Hurley, Steve	Cardiff
Hutton, Jamie	Sussex

I	
Irving, Dr. Rob.	Glasgow

J	
Jackson, Prof. Bill	QMUL
Jackson, Dr. Penelope S.	Stirling
James, Prof. Gordon D.	Imperial
Jankovic, Milanka	Oxford
Jefferies, Dr. Nigel P.	Vodafone Group
Jennings, Dr. Sylvia	London South Bank
Jerrum, Prof. Mark	QMUL
Jha, Dr. Vikram	
Johnson, Dr. Marianne	Manchester
Johnson, Dr. Matthew	Durham
Johnson, Dr. J. Robert	QMUL
Johnstone, Dr. W. Roy	Reading
Jones, Prof. Gareth A.	Southampton
Jones, Dr. Mark C. W.	Kingston
Juhasz, Zsofia	Essex
Jurdzinski, Dr. Marcin	Warwick

K	
Kambites, Dr. Mark	Manchester
Karapetyan, Daniel	RHUL
Kay, Adam	Open
Kazanidis, Dr. Priscila	QMUL
Keedwell, Dr. A. D.	Surrey

Keevash, Dr. Peter	QMUL
Kelly, L.	Birmingham
Kemp, Prof. David	St Andrews
Kemp, Dr. Freda	St Andrews
Kenneth, R.	UEA
Khudaverdian, Dr. H.	Manchester
Kim, Eun Jung	RHUL
King, Dr. Oliver H.	Newcastle
King, Prof. R. C.	Southampton
Kisil, V.V.	Leeds
Klopsch, Dr. B.	RHUL
Konovalov, Dr A. B.	St. Andrews
Korpelainen, Nicholas	Warwick
Kovalenko, I	UNL
Krasikov, Dr. Ilia	Brunel
Krasovsky, Dr. Igor	Brunel
Kreutzer, Dr. Stephen	Oxford
Krokhin, Andrei	Durham
Krusche, Peter	Warwick
Krysta, Dr. Piotr	Liverpool
Kühn, Dr. D.	Birmingham
Kurtz, Cornelius	UEA
Kusuma, Josephine	QMUL

L	
Lachish, Dr. Oded	Warwick
Laczkovich, Prof M.	UCL
Lamb, Dr. John D.	Aberdeen
Larcombe, Dr. P. J.	Derby
Larman, Prof. David G.	UCL
Launois, Dr. S.	Kent
Law, Hiu Fai	Oxford
Lawson, Dr. Mark V.	Heriot-Watt
Laycock, Prof. P.J.	Manchester
Leader, Prof. I.B.	Cambridge
Leese, Dr. Robert	Oxford

Liebeck, Prof. M.	Imperial College
Li'enart, E.	Goldsmiths
Lignos, Ioannis	Durham
Linton, Prof. S. A.	St. Andrews
Lloyd, Dr. E. Keith	Southampton
Loizou, Prof. George	Birkbeck
Lozin, Dr. Vadim	Warwick
Luczak, Dr. Malwina	LSE
Lyle, Dr. Sinead	UEA

M	
Macdonald, Prof. I. G.	QMUL
Macpherson, Prof. H. D.	Leeds
Makroglou, Dr. Athena	Portsmouth
Malik, Mr. N. Shane	Essex.
Manlove, Dr. David	Glasgow
Manning, Stephanie M.	Vodafone Group
Manns, Mr. Tom	Portsmouth
Marsh, Dr. Robert J.	Leeds
Martin, Dr. James	Oxford
Martin, Prof. K.	RHUL
Martin, Dr. Russell	Liverpool
Mathieson, Luke	Durham
Matthews, James	Edinburgh.
Mavron, Prof. Vassili C.	Aberystwyth
McAlpine, Kenneth M.	Abertay
McCabe, Dr. John H.	St. Andrews
McDermid, Mr. Eric	Glasgow
McDiarmid, Prof. C. J.H.	Oxford
McDonough, Dr. T. P.	Aberystwyth
McKee, Dr. James	RHUL
McLeod, Dr. Jeanette	Bristol
McMullen, Prof. Peter	UCL
Melsa, Chris	Essex
Mitchell, Prof. Chris J.	RHUL
Mitchell, Dr. James D.	St. Andrews

Mitchell Dr. Jane M.O.	Open
Mitra, Prof. Gautam	Brunel
Mladenović, Dr. Nenad	Brunel
Montecalvo, Federico	QMUL
Morris, Prof. Alun O.	Aberystwyth
MörTERS, Prof. Peter	Bath
Mullan, Ciaran	RHUL
Muller, Haiko	Leeds
Müller, Prof. T. W.	QMUL
Murphy, Prof. Sean P.	RHUL
Mycroft, R.	Birmingham
Myers, Dr. J.S.	Cambridge

N	
Nagarajan, Dr Rajagopal	Warwick
Nagel, Lars	Durham
Neuenhoffer, Dr. M.	St. Andrews
Ng, Dr. S.	RHUL
Noble, Dr. Steven	Brunel
Norman, Dr. Chris W.	RHUL
Novak, Julia	RHUL

O	
O'Connor, Dr. John J.	St. Andrews
Olsen, Dr. Lars	St. Andrews
O'Neill, Alexander	QMUL
Osthus, Dr. D.	Birmingham
O'Toole, L.	RHUL

P	
Paget, Dr. Rowena E	Kent

Panoui, Anastasia	RHUL
Panov, Taras	Manchester
Paris, Prof. Jeff	Manchester
Parks, David	Open
Patel, Viresh	Durham
Paterson, Prof. Kenny	RHUL
Paterson, Dr. Maura	RHUL
Paterson, Prof. Mike	Warwick
Patterson, Derek	QMUL
Paulusma, Dr. Daniel	Durham
Payne, Prof. Roger W.	Rothamsted
Penman, Dr. David	Essex
Penrose, Prof. Mathew	Bath
Perkins, Dr. Stephanie	Glamorgan
Petridis, George	Cambridge
Pflügel, Dr. Eckhard	Kingston
Pinch, Dr. R.G.E.	GCHQ, Cheltenham
Piper, Prof. Fred	RHUL
Piper, Greg	UEA
Poghosyan, Anush	West of England
Potts, Prof. Chris N.	Southampton
Powell, Dr. Susan	LSE, London
Psomas, Costas	Open
Preece, Prof. Donald A.	QMUL and Kent
Prellberg, Dr. Thomas	QMUL
Prendiville, Sean	Bristol
Prince, Dr. Alan R.	Heriot-Watt
Pu, Dr. Ida	Goldsmiths, London

Q	
Quick, Dr. Martyn R.	St. Andrews
Quinn, Dr. Kathleen A.S.	Open

R	
----------	--

Rackham, Tom	Oxford
Räcke, Dr. Harald	Warwick
Rattan, Dr. Amarpreet	Bristol
Ray, Prof. Nigel	Manchester
Rees, Prof. Sarah E.	Newcastle
Reinert, Prof. Gesine	Oxford
Reuter, A.	Imperial
Rhodes, Mark	Durham
Riley, Dr. Tim	Bristol
Riordan, Prof. O.	Oxford
Robertshaw, Dr. A.	ONS
Robertson, Prof. E. F.	St. Andrews
Rochanakul, Penying	RHUL
Roney-Dougal, Dr. C. M.	St. Andrews
Rowley, Dr. C. A.	Open
Rowley, Prof. Peter J.	Manchester
Rowlinson, Prof. Peter	Stirling
Rudloff, C.	UEA
Rudnev, Dr. Misha	Bristol
Ruprai, Raminder	RHUL
Ruškuc, Prof. Nik	St Andrews
Russell, Dr. P.A.	Cambridge
Rutherford, Dr. Carrie	London South Bank

S	
Saker, Dr. C. J.	Essex
Salhi, Dr. A.	Essex
Sands, Dr. Arthur D.	Dundee
Sanders, A.J.	Cambridge
Sandling, Dr. Robert	Manchester
Savani, Dr. Rahul	Warwick
Saxl, Prof. Jan	Cambridge
Scott, Prof. Alex D.	Oxford
Sendova-Franks, Dr. A	West of England.
Sezgin, S.	UCL
Shakhlevich, Natasha	Leeds
Shank, Dr. R. J.	Kent
Shareef, Dr. F.	QMUL

Shaw, Prof. Ron	Hull
Shawe-Taylor, Prof. J. S.	Southampton
Shoilekova, Bilyana	Oxford
Shreeve, Richard I.	Royal Grammar School
Siemons, Dr. I. Johannes	UEA
Sing, Dr. Bernd	Bath
Singerman, Prof. David	Southampton
Singmaster, Prof. D. B.	London South Bank
Širán, Prof. Jozef	Open
Skokan, Jozef	LSE
Skyner, Tony	Bristol
Smith, Prof. Derek H.	Glamorgan
Soicher, Dr. Leonard H.	QMUL
Sokal, Prof. A. D	UCL
Solleimanfallah, A.	RHUL
Solomon, Prof. Allan I.	Open
Spencer, Claire	Reading
Srinivasan, S.	RHUL
Stark, Dr. D. S.	QMUL
von Stengel, Prof. B.	LSE
Steinberg, Prof. R.	LSE
Stewart, Fraser	Dundee
Stewart, Prof. Iain A	Durham
Stirling, Dr. David S.G.	Reading
Stratmann, Dr. Bernd	St Andrews
Stratton, Dr. Anthony E.	Exeter
Strusevich, Dr. V. A.	Greenwich
Szeider, Dr. Stefan	Durham

T	
Talbot, Dr. J.M.	UCL
Talbot, Dr. Richard F.	Staffordshire
Tarzi, Dr. S.	QMUL
Thatte, Dr.	Oxford

Bhalchandra	
Thomas, Dr. A. D.	Swansea
Thomas, Prof. Richard M.	Leicester
Thomason, Prof. A. G.	Cambridge
Thompson, Katie	UEA
Tiskin, Dr. Alex	Warwick
Trakultraipuk, S.	LSE
Treglown, A.	Birmingham
Truss, Prof. John K.	Leeds
Twigg, Dr. Andy	Oxford

V	
Vámos, Prof. Peter	Exeter
Vargas-Vera, Dr. Maria	Open
Vaughan, Emil	QMUL
Vdovina, Dr. Alina	Newcastle
Vernitski, Dr. Alexei	Essex
Vincent, Robert	UEA
Vowden, Dr. Barry J.	Kent
Vuskovic, Kristina	Leeds

W	
Wagner, Peter	Cambridge
Walker, Dr. Keith	Keele
Walker, Prof. Mike	Vodafone Group/RHUL
Walters, Dr. Mark	QMUL
Wanner, Jason	Essex
Waters, Dr. R.J.	Bristol
Waters, Steven	Glasgow Caledonian
Watson, Adam	QMUL
Watts, Ivor	Open
Waugh, Karl	Sussex
Webb, Dr. Bridget S.	Open
Welham, Sue	Rothamsted

Welsh, Prof. Dominic	Oxford
Wensley, Dr. Chris D.	Bangor
Whitaker, Roger	Cardiff
White, Dr. Lynda V.	ICL, London
White, Matthew	Oxford
Whitty, Prof. Robin W.	London South Bank
Wild, Prof. Peter R.	RHUL
Williams, Dr. Gerald	Essex
Williams, Prof. H. Paul	LSE
Wilson, Prof. Robert A.	QMUL
Wilson, Prof. Robin J.	Open
Winter, Prof. Andreas	Bristol
Wong, Dr Prudence H	Liverpool
Woodall, Dr. Douglas R.	Nottingham
Woodcock, Dr. C. F.	Kent
Wright, R.	Vodafone Group
Wu, Taoyang	QMUL

X	
Xiang, Yonghong.	Durham

Y	
Yeo, Dr. A.	RHUL

Z	
Zalesskii, Prof. A.E.	UEA
Zarkh, Alexander	Brunel
Zito, Dr. Michele	Liverpool
Zsak, Dr. Andras	Cambridge
Zverovich, Dr. Vadim	West of England

List B.

Combinatorial staff, research students, lecture courses and seminars at departments in Britain.

An asterisk denotes a contact name from whom further information can be obtained. Under some entries the combinatorial journals currently being taken are listed; a key to the titles is as follows:

A	Aequationes Mathematicae	N	Discrete Mathematics
B	Algebra Universalis	O	Discussiones Mathematicae: GraphTheory
C	Ars Combinatorica	P	European Journal of Combinatorics
D	Australasian Journal of Combinatorics	Q	Finite Fields and Applications
E	Biometrics	R	Geometriae Dedicata
F	Biometrika	S	Graphs and Combinatorics
G	Bulletin of the Institute of Combinatorics and itsApplications	T	IEEE Transactions on Information Theory
H	Combinatorica	U	Journal of Algebraic Combinatorics
I	Combinatorics, Probability and Computing.	V	Journal of Combinatorial Designs
J	Design, Codes and Cryptography	W	Journal of Combinatorial Mathematics and Combinatorial Computing
L	Discrete and Computational Geometry	X	Journal of Combinatorial Theory Series A
M	Discrete Applied Mathematics	Y	Journal of Combinatorial Theory Series B
a	Journal of Geometry	Z	Journal of Cryptology
b	Journal of Graph Theory	f	Order
c	Journal of Statistical Planning and Inference	g	Random Structures and Algorithms
d	Linear Algebra and its Applications	h	SIAM Journal on Discrete Mathematics
e	Networks	i	Utilitas Mathematica

UNIVERSITY OF ABERDEEN

Business School University of Aberdeen, Edward Wright Building, Dunbar Street, Old Aberdeen, AB24 3QY. Tel: 01224 272167

<http://www.abdn.ac.uk/business>

Dr J.D. Lamb* (graphs, matroids, combinatorial optimisation)

Lecture Courses: There are a number of general discrete mathematics courses.

Current Periodicals: A, B, E, F, H, I, J, L, M, N, P, Q, R, T, V, W, Z, d, g (some electronic access only).

ABERYSTWYTH UNIVERSITY

Institute of Mathematics & Physics Aberystwyth University, Aberystwyth, SY23 3BZ. Tel: 01970 622802 Fax: 01970 6227777

<http://www.aber.ac.uk/maps/en/>

Prof. V.C. Mavron* (designs, codes)

Dr. T. P. McDonough (designs, permutation groups, codes)

Prof. A.O. Morris (Emeritus: representation theory and algebraic combinatorics)

Research student

C Andreou (Regular Hadamard Matrices)

Lecture courses Graphs and Network (22 lectures, Prof. Mavron)

Discrete Mathematics (22 lectures, Prof. Mavron)

Current periodicals: P, U, h

BANGOR UNIVERSITY

School of Computer Science University of Bangor, Dean Street, Bangor, Gwynedd LL57 1UT. Tel: 01248 382686 Fax: 01248 361429

<http://www.maths.bangor.ac.uk>

Dr. C.D. Wensley* (combinatorial group theory, combinatorial species)

UNIVERSITY OF BATH

Department of Mathematical Sciences University of Bath, Bath, BA2 7AY Tel: 01225 386989 Fax: 01225 386492

<http://www.bath.ac.uk/math-sci>

Prof. Peter Mörters (Probability, including random walks and random networks)

Prof. Mathew Penrose (probability theory, geometric random graphs)

Dr. Bernd Sing* (aperiodic tilings and sequences, enumerative combinatorics, applications to physics)

Research students

Adam Kinnison (random walks on random trees, Prof. Mörters)

Marcel Ortgiese (directed polymers in random environments, Prof. Mörters)
Parkpoom Phetpradap (intersections of random walks, Prof. Mörters)
Tom Rosoman (topics in random geometric graphs, e.g. percolation thresholds: Prof. Penrose)

Forthcoming visitors to Bath in probability (often interacting with combinatorics) are listed at <http://www.maths.bath.ac.uk/~ak257/pab/pab.html>

Seminar Informal Probability Seminar (Friday 12.00, Dr. Alex Cox) may be relevant.

Current Periodicals: A, B, D, E, F, H, J, L, M, N, P, Q, R, S, T, U, V, X, Y, Z, a, b, c, d, e, f, g, h. Most of these are electronic access only (sometimes only after a fixed date) but E and F are paper access.

BIRKBECK COLLEGE

School of Economics, Mathematics and Statistics Birkbeck College, Malet Street, London WC1E 7HX. Tel: 0207 631 6428 Fax: 0207 631 6416

<http://www.ems.bbk.ac.uk/>

Dr. A. Bowler* (symmetric designs, combinatorial matrices, permutation groups)

Dr. S. Hart (permutation groups, sum-free sets)

School of Computer Science and Information Systems Birkbeck College, Malet Street, London WC1E 7HX. Tel: 0207 631 6700 Fax: 0207 631 6727

<http://www.dcs.bbk.ac.uk/>

Prof. T. I. Fenner (combinatorial algorithms, probabilistic algorithms, random graphs)

Dr. K. Gibson (cryptography, combinatorial algorithms)

Prof. G. Loizou (combinatorial algorithms)

UNIVERSITY OF BIRMINGHAM

School of Mathematics University of Birmingham, Edgbaston, Birmingham B15 2TT. Tel: 0121 414 6587 Fax: 0121 414 3389

<http://www.mat.bham.ac.uk>

Dr. P. Butkovič (Combinatorial Optimisation)

Dr. D. Christofides (graph theory, Ramsey theory)

Prof. R.T. Curtis (Combinatorial Algebra)

Dr. A.D. Gardiner (Combinatorics)

Dr. D. Kühn (Graph Theory, Probabilistic Methods)

Dr. D. Osthus* (Graph theory, Probabilistic Methods, Randomized Algorithms)

Research Students

O. Cooley (Ramsey theory and extremal graph theory, Dr. Kühn)

B. Fairbairn (Combinatorial Algebra, Prof. Curtis)

L. Kelly (Cycles in directed graphs, Dr. Osthus).

R. Mycroft (Hypergraph embedding problems, Dr. Osthus)

A. Treglown (Graph Packing problems, Dr. Kühn)

Lecture courses

Discrete Mathematics (22 lectures, 1st year, Dr. Gardiner)
Combinatorial Optimisation (22 lectures, 3rd year, Dr. Butkovič)
Combinatorics (22 lectures, 3rd and 4th year, Dr. Kühn)
Communication Theory (22 lectures, 3rd and 4th year, Dr. Osthus)
Computability (22 lectures, 3rd and 4th years, Dr. Osthus)
Advanced Topics in Combinatorics (22, 4th year, Dr. Kühn)

Seminar Combinatorics Research Seminar (Thursdays at 3.00 p.m., Dr. Kühn and Dr. Osthus) <http://web.mat.bham.ac.uk/D.Osthus/seminar.html>

UNIVERSITY OF BRISTOL

Department of Mathematics University of Bristol, University Walk, Bristol, BS8 1TW, Tel: 0117 928 7978, Fax: 0117 928 7999.

<http://www.maths.bris.ac.uk>

Dr. Harald Helfgott (combinatorial number theory)

Dr. Tim Riley (algorithmic complexity and geometry, formal languages, planar graphs)

Dr. Misha Rudnev (harmonic analysis, geometric combinatorics, hard Erdős problems)

Prof. Andreas Winter (quantum and classical information theory).

Research Fellows

Dr. Robert Brignall (permutation patterns, relational structures, partial well order, antichains in partial orders)

Dr. Nicholas Georgiou* (random structures, partially ordered sets)

Dr. Jeanette McLeod (graph colouring, Latin squares and asymptotic enumeration)

Dr. Amarpreet Rattan (factorizations of permutations, combinatorial representation theory, lattice path combinatorics).

Dr. Robert Waters (graph colouring, graph minors, infinite graph theory)

Research Students

Joseph Grant (representation theory, Dr. Joseph Chuang)

Sean Prendiville (additive and combinatorial number theory: Prof. Trevor Wooley).

Tony Skyner (representation theory: Dr. Chuang)

Lecture Courses

Discrete Mathematics I (48 lectures, 1st year)

Discrete Mathematics II (12 lectures, 2nd year)

Optimisation 2 (36 lectures, 2nd year)

Information Theory (18 lectures, 3rd year)

Experimental Design (18 lectures, 3rd year)

Computational Complexity Theory (20 lectures, 3rd year)

Optimisation 3 (36 lectures, 3rd year)

Quantum Information Theory (16 lectures, 4th year)

Seminar Combinatorics Seminar fortnightly on Fridays at 3.00 p.m: see <http://www.maths.bris.ac.uk/events/seminars/series/index.php?id=41>

Current Periodicals: A, B, E, F, H, I, J, L, M, N, P, Q, R, S, T, U, V, X, Y, Z, a, b, c, d, e, f, g, h (electronic). E, h (paper):, plus some old paper copies of A, B, F, H, J, L, M, N, R, T, X, Y, b, d, i.

BT MOBILITY RESEARCH CENTRE, ADASTRAL PARK, MARTLESHAM.

<http://keithbriggs.info/>

Dr. Keith Briggs (graph theory and stochastic processes for network applications).

BRUNEL UNIVERSITY

Department of Mathematical Sciences Brunel University, Kingston Lane, Uxbridge, Middlesex UB8 3PH. Tel: 01895 265745 Fax: 01895 265732

<http://www.brunel.ac.uk/about/acad/siscm/math>

Dr. Rhiannon Hall (matroids, graphs)

Dr. Iliia Krasikov (graph theory, combinatorics, coding theory, number theory, orthogonal polynomials)

Dr. Igor Krasovsky (random matrices, orthogonal polynomials)

Prof. Gautam Mitra (combinatorial optimisation)

Dr. Nenad Mladenović (metaheuristic methods in combinatorial and global optimization, location, transportation, clustering and data mining)

Dr. Steven Noble* (combinatorics, graph theory)

Research Students

Nicole Eggemann (Scale-free networks, Dr. Noble)

Alexander Zarkh (Discrete Orthogonal Polynomials, Dr. Krasikov).

Lecture courses

Encryption and Data Compression (48 lectures, 3rd year, Dr. Krasikov)

Algebra and Discrete Mathematics (48 lectures, 2nd year, Dr. Krasikov and Dr. Savin)

Discrete Mathematics, Probability and Statistics (48 lectures, 1st year, Dr. Shaw and Mrs. Browne)

Working paper series Technical Reports of Department of Mathematics (Ms. B. Curr)

Current Periodicals: A, B, F, H, I, J, L, M, N, P, Q, R, S, U, V, X, Y, Z, a, b, c, d, e, f, g (electronic only).

UNIVERSITY OF CAMBRIDGE

Department of Pure Mathematics and Mathematical Statistics Centre for Mathematical Sciences, Wilberforce Rd, Cambridge CB3 0WB. Tel: 01223 337999 Fax: 01223 337920

<http://www.dpmms.cam.ac.uk/>

Prof. W. T. Gowers (Trinity) (analysis, combinatorics)

Prof. B. J. Green (Trinity) (combinatorics, number theory)

Prof. G. R. Grimmett (Churchill) (probability theory, combinatorial theory)
Prof. F. P. Kelly (Christ's) (random processes, networks, optimization)
Prof. I. B. Leader* (Trinity) (extremal combinatorics, Ramsey theory)
Prof. J. Saxl (Caius) (group theory)
Prof. A. G. Thomason (Clare) (combinatorics, graph theory, algorithms)
Prof. R. R. Weber (Queen's) (mathematical operational research, stochastic networks)

Fellows

Prof. B. Bollobás (Trinity) (combinatorics, graph theory)
Dr. D. Conlon (St. John's) (combinatorics and number theory)
Dr. H. T. Croft (Peterhouse) (combinatorics, analysis)
Dr. T. E. Forster (Clare Hall) (logic, set theory, combinatorics)
Dr. R. D. Morris (Murray Edwards) (combinatorics)
Dr. P. A. Russell (Churchill) (Ramsey theory)
Dr. T. Sanders (Christ's) (analysis, combinatorics, number theory)

Research students

Mansur Boase (Prof. Gowers)
P. Candela Pokorna (Prof. Gowers)
Tom Coker (Prof. Bollobás)
David Ellis (Prof. Leader)
Gonzalo Fiz Ponteveros (Prof. Gowers)
Bryn Garrod (Prof. Bollobás)
John Haslegrave (Prof. Bollobás)
Lloyd Husbands (Prof. Green)
Allan Lo (Prof. Thomason)
Eoin Long (Prof. Leader)
Edward Marchant (Prof. Thomason)
L. Matthiesen (Prof. Green)
Vicky Neale (Prof. Green)
George Petridis (Prof. Gowers)
David Saxton (Prof. Thomason)
Paul Smith (Prof. Gowers)
Ta Sheng Tan (Prof. Leader)
Mykhaylo Tyomkyn (Prof. Bollobás)

Lecture courses

Numbers and Sets (24 lectures, 1st year, Prof. P. T. Johnstone)
Graph Theory (24 lectures, 3rd year, Prof. Leader)
Coding and Cryptography (24 lectures, 3rd year, Prof. T. W. Körner)
Additive Combinatorics (24 lectures, Part 3, Prof. Green)
Combinatorics (16 lectures, Part 3, Prof. Leader)
Percolation and Combinatorics (16 lectures, Part 3, Prof. Bollobás)
Computational Complexity (12 lectures, non-examinable graduate, Prof. Gowers)

Seminars

Combinatorics (Thursdays at 2.30 p.m.)
Discrete Analysis (Wednesdays at 2.15pm)

UNIVERSITY OF CARDIFF

School of Computer Science Cardiff University, Queen's Buildings, Newport Road, PO Box 916, Cardiff CF24 3XF. Tel: 029 2087 4812 Fax: 029 2087 4598

<http://www.cs.cardiff.ac.uk/>

Dr. S. M. Allen* (mobile communications, frequency assignment, combinatorial optimisation, latin squares)

Prof. S. Hurley (mobile communications, frequency assignment, combinatorial optimisation)

Dr. R. M. Whitaker (mobile communications, frequency assignment, combinatorial optimisation, latin squares)

Lecture courses

Discrete mathematics I (1st year)

Discrete mathematics II (2nd year)

Information Security (3rd year)

Optimisation and Meta-Heuristics (3rd year)

Discrete mathematics (M.Sc.)

CITY UNIVERSITY LONDON

Faculty of Actuarial Science and Statistics Cass Business School, 106 Bunhill Row, London EC1Y 8TZ Tel: 020 7040 8959 Fax: 020 7040 8572

<http://www.cass.city.ac.uk/facact>

Prof. C. Glass* (operation research).

UNIVERSITY OF DERBY

Derbyshire Business School Faculty of Business, Computing and Law, University of Derby, Kedleston Road, Derby DE22 1GB. Tel: 01332 591892

<http://www.derby.ac.uk/dbs/>

Dr. Peter J. Larcombe* (hypergeometric function theory, generating functions, binomial coefficient sums)

Research student: James Clapperton (Dr. Larcombe)

Lecture courses: None

Current periodicals: None

UNIVERSITY OF DUNDEE

School of Computing University of Dundee, Dundee DD1 4HN. Tel: 01382 384151 Fax: 01382 385509

<http://www.computing.dundee.ac.uk>

Dr. K. J. Edwards* (Graph colourings, graph decompositions, complexity)

Division of Mathematics University of Dundee, 23 Perth Road, Dundee DD1 4HN. Tel. 01382 384471 Fax 01382 385516

<http://www.maths.dundee.ac.uk>

Sands, Dr. Arthur (retired: Combinatorial problems on finite Abelian groups)

Research student F. Stewart (Dr. Edwards).

Lecture Courses: Information Theory and Cryptography (M.Sc.)

Current Periodicals: T, V, b, d

DURHAM UNIVERSITY

Department of Computer Science Science Laboratories, South Road, Durham DH1 3LE Tel: 0191 33 41700 Fax: 0191 33 41701

<http://www.dur.ac.uk/computer.science>

Dr. M. Bordewich (computational complexity; randomised algorithms; phylogenetics)

Prof. H. Broersma (graph theory, computational complexity, telecommunications)

Dr. T. Friedetzky (randomised algorithms; probabilistic analysis; sub-linear time algorithms; communication networks)

Dr. M. Johnson* (graph theory, combinatorial optimization, combinatorial designs)

Dr. A. Krokhin (algebra; logic; discrete mathematics; constraint satisfaction; computational complexity; temporal reasoning)

Dr. D. Paulusma (graph theory; algorithms; combinatorial optimization; cooperative game theory)

Prof. I. A. Stewart (computational complexity; finite model theory; descriptive complexity; graph theory; interconnection networks; group theory)

Dr. S. Szeider (algorithms; proof complexity; parameterized and exact computation; propositional satisfiability; graph theory)

Research Staff

Yonghong Xiang (interconnection networks; parallel and distributed computing; graph theory)

Research Students

James Gate (descriptive complexity, Prof. Stewart)

Pim van 't Hof (graph algorithms, Dr. Paulusma)

Ioannis Lignos (graph algorithms, Dr. Johnson)

Luke Mathieson (parametrized computation, Dr. Szeider).

Lars Nagel (randomised algorithms, Dr. Friedetzky)

Mark Rhodes (proof complexity, Dr. Dantchev)

Lecture Courses:

Algorithms and Discrete Mathematics (1st year, 20 lectures, Prof. Broersma)

Logic (1st year, 20 lectures, Prof. Stewart)

Formal and Discrete Mathematics (1st year, 40 lectures)

Algorithms and Complexity (2nd year, 20 lectures, Dr. Johnson and Dr. Paulusma)

Advanced Algorithms (3rd year, 20 lectures, Dr. Friedetzky)

Advanced Computational Complexity (3rd year, 20 lectures, Dr. Johnson)

Computability Theory (3rd year, 20 lectures, Dr. Dantchev)

Theory and Practice (3rd year, 20 lectures, Prof. Broersma)

Visitor

Prof. Fedor Fomin (Bergen), algorithms and combinatorics, September 2008-July 2009.

Seminars

The Algorithms and Complexity Group have a weekly seminar.

Current Periodicals: A, B, D, H, I, J, L, M, N, O, P, S, U, V, X, Y, Z, a, b, g, h.
(electronic only except H, I, H which are hardcopies).

UNIVERSITY OF EAST ANGLIA, NORWICH

School of Mathematics University of East Anglia, Norwich NR4 7TJ. Tel: 01603 456161 Fax: 01603 259515

<http://www.uea.ac.uk/mth>

Prof. A.R. Camina (block designs, finite groups)

Dr. M. Džamonja (logic, set theory, infinite combinatorics)

Prof. D. M. Evans (permutation groups, automorphism groups of infinite structures)

Dr. S. Lyle (representation theory).

Dr. I. J. Siemons* (permutation groups, topological and homological methods)

Prof A.E. Zalesskii (group theory, ring theory)

Research students

Mr. S. Alder (simplicial geometries, Dr Siemons)

M. Ferreira (Dr. Evans)

Y. Lazou (Dr. Džamonja)

T. Phongpattanacharoen (reconstruction, Dr. Siemons)

J. De la Rue (model theory and infinite permutation groups, Dr. Evans)

M. Wong (Dr. Evans)

Lecture courses (check availability):

Discrete Mathematics (2nd year)

Set theory (3rd year)

Infinite permutation groups (4th year, p/g)

Representation Theory (3rd year)

Graph theory (3rd year)

Group theory (3rd year)

Computability (3rd year)

Model theory (3rd year)

UNIVERSITY OF EDINBURGH

School of Informatics 2 Buccleuch Place, Edinburgh EH8 9LW Tel. 0131 650 2691

Fax: 0131 650 6626

<http://www.inf.ed.ac.uk>

Dr. Amin Coja-Oghlan (combinatorics, probability, efficient algorithms)

Dr. Mary Cryan* (algorithms and complexity)

Research students

Paídí Creed (Dr. Cryan)

James Matthews (Dr. Cryan).

Lecture Courses

Algorithms and Data Structures (3rd year)
Computability and Intractability (3rd year, MSc)
Computational Complexity (4th year)

Current Periodicals: E, H, M, T, X, Y

UNIVERSITY OF ESSEX

Department of Mathematical Sciences University of Essex, Wivenhoe Park,
Colchester CO4 3SQ. Tel: 01206 873040 Fax: 01206 873043

<http://www.essex.ac.uk/math>

Dr. D. Branson (retired: applied probability, combinatorics of Stirling numbers)
Prof. P.M. Higgins (combinatorics of algebraic semigroup theory, cryptography)
Dr. David Penman* (random and pseudo-random graphs)
Dr. Chris Saker (part-time combinatorics on words, semigroup theory, cryptography)
Dr. A. Salhi (combinatorial optimisation)
Dr. Alexei Vernitski (algebra, combinatorics, computer security)
Dr. Gerald Williams (computational group theory)

Research students

Andria Eleftheriou (reliability of graphs (M.Phil), Dr. Penman: part-time)
Rong Gao (colourings of pseudo-random graphs, Dr. Penman)
Zsafia Juhasz (partially ordered sets, Dr. Vernitski)
Shane Malik (extremal Ramsey graphs, Dr. Penman)
Chris Melsa (Ramsey theory and contraction mappings (M.Sc.), Dr. Penman)
Jason Wanner (analytic number theory (M.Sc.), Dr. Penman)

Lecture Courses

Graph Theory (3rd year, Dr. Penman) (30 lectures)
Codes and Cryptography (Prof. Higgins, 3rd year) (30 lectures)
Combinatorial optimisation (Dr. Salhi, 3rd year) (30 lectures)

Current periodicals: H, P, h.

UNIVERSITY OF EXETER

School of Engineering, Computing and Mathematics Harrison Building, University
of Exeter, North Park Road, Exeter EX4 4QF.

Tel: 01392 263650 Fax: 01392 264067

<http://www.secam.ex.ac.uk/mat>

Dr. R. J. Chapman* (finite fields, coding theory, enumerative combinatorics)
Prof. P. Vámos (representation of matroids)

Lecture courses

Discrete Mathematics (30 lectures, 1st year, Dr. Chapman)
Graph theory (33 lectures, 3rd year, Dr. Firby)
Coding Theory (33 lectures, 3rd year, Dr. Stratton)

Current periodicals: C, D, W

UNIVERSITY OF GLAMORGAN

Division of Mathematics and Statistics University of Glamorgan, Pontypridd, Mid Glamorgan CF37 1DL. Tel: 01443 482136 Fax: 01443 482169

<http://fat.glam.ac.uk/about/structure/mathsandstats/>

Dr. F. Hunt (graph theory, coding theory, signal sets with low correlation)

Dr. S. Perkins (coding theory, synchronization, combinatorial puzzles)

Prof. D. H. Smith* (coding theory, DNA codes, frequency assignment)

Research students

Niema Aboluion (DNA codes, Prof. Smith)

Sian Jones (Properties of Sudoku puzzles and their variants, Dr. Perkins)

Ryan Davies (Properties of Kakuro-type puzzles, Dr. Perkins)

Linzy Phillips (Erasure Codes Derived from Sudoku and Related Combinatorial Structures, Dr. Perkins)

Lecture courses

Codes and Information (3rd year, Prof. Smith, Dr. Perkins)

Combinatorics and Network flows (2nd year, Dr. Perkins and Prof. Smith)

Current periodicals: J, N, T, X, Y, e. T is online only after Vol. 51. J is only from 2004.

UNIVERSITY OF GLASGOW

Department of Mathematics University of Glasgow, University Gardens, Glasgow G12 8QW. Tel: 0141 330 5176 Fax: 0141 330 4111

<http://www.maths.gla.ac.uk>

Dr. I. Anderson (Honorary research fellow: designs, whist tournaments)

Department of Computing Science Sir Alwyn Williams Building, Lilybank Gardens, Glasgow G12 8QQ Tel: 0141 330 4256 Fax: 0141 330 4913

<http://www.dcs.gla.ac.uk>

Dr. R.W. Irving* (combinatorial and graph algorithms)

Dr. D.F. Manlove (combinatorial and graph algorithms)

Research Staff Dr. Peter Biró (algorithms; graph theory; stable matchings).

Research students

Eric McDermid (algorithms and computational complexity: 3rd year, Dr. Irving)

Lecture courses

Discrete mathematics (Maths, 24 lectures, 3rd year, Dr. R. Steiner)

Graphs and networks (Maths, 22 lectures, 2nd year, Dr. S. Wassermann)

Algorithmics 3 (Computer Science, 3rd year, Dr. Irving)

Algorithmics 4 (Computer Science, 4th year, Dr. Manlove)

Current periodicals: C, O, i (paper only)

E, F, V, b, h (paper and electronic)
M, N, P, Q, T, X, Y, c (electronic only).

GOLDSMITHS COLLEGE

Department of Computing Goldsmiths College, University of London, New Cross,
London SE14 6NW. Tel: 0207 919 7850 Fax: 0207 919 7853
<http://www.goldsmiths.ac.uk/computing/>

Dr. I. Pu* (combinatorial algorithms, randomized, parallel, probabilistic and average case algorithmics)

Lecture courses

Discrete Mathematics (1st year)
Data Structures and algorithms (2nd year, Dr. Pu)
Graph Theory (3rd year)

Current Periodicals: X, Y, b

GOVERNMENT COMMUNICATIONS HEADQUARTERS

Priors Road, Cheltenham GL52 5AJ. Tel: 01242 221491 Fax: 01242 226816
C.C. Cocks (Chief Mathematician)
Dr. R.G.E. Pinch*

UNIVERSITY OF GREENWICH

School of Computing and Mathematical Sciences University of Greenwich, London,
SE18 6PF Tel: 0208 316 8000 Fax: 0208 855 4033
<http://www.gre.ac.uk/schools/cms>

Prof. V.A. Strusevich (combinatorial optimization, scheduling theory)

Current Periodicals: T

HERIOT-WATT UNIVERSITY

Department of Mathematics Heriot-Watt University, Riccarton, Edinburgh EH14
4AS. Tel: 0131 451 3221 Fax: 0131 451 3249
<http://www.ma.hw.ac.uk/math.html>

Dr. M.V. Lawson (semigroup theory, combinatorics on words)

Dr. A. R. Prince* (finite geometries, finite group theory)

Department of Actuarial Mathematics and Statistics Heriot-Watt University,
Riccarton, Edinburgh EH14 4AS. Tel: 0131 451 3202 Fax: 0131 451 3249
<http://www.ma.hw.ac.uk/ams>

Dr. Jennie Hansen (probabilistic combinatorics)

Lecture course Discrete mathematics (45 lectures, 3rd year honours degree, Dr. Prince)

Current periodicals: E, F, I, c, g, h

UNIVERSITY OF HULL

Centre for Mathematics University of Hull, Cottingham Road, Hull HU6 7RX. Tel: 01482 465885 Fax: 01482 466218

<http://www.hull.ac.uk/maths/>

Prof. R. Shaw* (Emeritus, finite geometry)

Department of Computer Science University of Hull, Hull HU6 7RX Tel: 01482 465951/465067 Fax: 01482 466666

<http://www.dcs.hull.ac.uk>

Dr. N.A. Gordon (465038) (finite geometry, computer algebra)

Research report series <http://www.hull.ac.uk/php/masrs/>

Current periodicals: J (electronic access only), T

IMPERIAL COLLEGE LONDON

Department of Mathematics Imperial College London, London SW7 2AZ. Tel: 0207 594 8517 Fax: 0207 594 8483

<http://www.ma.ic.ac.uk>

Prof A. Ivanov (distance-transitive graphs)

Prof. M. W. Liebeck (group theory, algebraic combinatorics)

Dr. O. Pretzel (combinatorics)

KEELE UNIVERSITY

School of Computing and Mathematics Keele University, Keele, Staffordshire ST5 5BG. Tel: 01782 583258 Fax: 01782 584268

<http://www.scm.keele.ac.uk/>

Dr. D. Bedford* (latin squares; designs)

Dr. J. Preater (applied probability, random graphs)

Lecture courses

Graph theory (30 lectures, 3rd year, Dr. Bedford)

Discrete mathematics (30 lectures, 3rd year, Dr. Bedford)

Current periodicals: E, F, H, S, V, X, Y, b, h

UNIVERSITY OF KENT

Institute of Mathematics, Statistics and Actuarial Science Cornwallis Building, University of Kent, Canterbury, Kent CT2 7NF. Tel: 01227 827181 Fax: 01227 827932

<http://www.kent.ac.uk/IMS/>

Dr. G. D. Brown (toric geometry)

G.M. Clarke (non-orthogonal Graeco-Latin designs)

Prof. P. Fleischmann (algebraic combinatorics, root systems, Mobius function)
Dr. S. Launois (q -calculus)
Dr. R. E. Paget* (representation theory of symmetric groups, cellular algebras)
Prof. D. A. Preece (Graeco-Latin designs, nested BIBDs, single-change covering designs, neighbour designs)
Dr. R. J. Shank (modular invariant theory)
Dr. B. J. Vowden (Graeco-Latin designs)
Dr. C. F. Woodcock (orthogonal Latin squares)

Research associate Dr. Alexander Kasprzyk (algebraic geometry, combinatorics of convex lattice polytopes).

Research students

Hamid Ahmédinejad (Dr. Brown)
Mark Colligan (Dr. Paget)
Jorge Nélio Marques Ferreira (Prof. Fleischmann)
Ashley Hobson (Dr. Shank)

Lecture courses

Discrete mathematics (36 lectures, 3rd year, Dr. Woodcock)

Current periodicals: E, F, T

(electronic access to A, B, H, J, L, M, N, P, Q, R, S, U, V, X, Y, Z, a, b, c, d, e, f, g)

KING'S COLLEGE LONDON

Department of Computer Science King's College, Strand, London, WC2R 2LS Tel 020 7848 2588 Fax: 020 7848 2851

<http://www.dcs.kcl.ac.uk>

Dr Colin Cooper* (random graphs, random algorithms)

KINGSTON UNIVERSITY

Faculty of Computing, Information Science and Mathematics Kingston University, Penrhyn Road, Kingston-upon-Thames, KT1 2EE

<http://cism.kingston.ac.uk>

Dr. Gordon J. A. Hunter* (Applications of graph theory to Natural Language Modelling, Statistical Physics and Computational Networks)

Dr. Mark Jones (Number Theory and Cryptography)

Dr. Eckhard Pflügel (Cryptography and Information Security)

Lecture courses

Mathematical Programming (final year BSc, Dr. Jones)

Internet security (final year BSc, Dr. Pflügel);

Cryptography (MSc, Dr. Pflügel)

The Department runs MSc Programmes in Network & Information Security, Networking & Data Communications.

Current periodicals: E, F, N, P, X, Y

UNIVERSITY OF LANCASTER

Department of Mathematics and Statistics Fylde College, University of Lancaster,
Lancaster LA1 4YF. Tel: 01524 593960 Fax: 01524 592681

<http://www.maths.lancs.ac.uk>

Prof. A.G. Chetwynd* (combinatorial applications in statistics)

Current periodicals: E, F, T, Y, b, e

UNIVERSITY OF LEEDS

School of Mathematics University of Leeds, Leeds LS2 9JT. Tel: 0113 3435140 Fax:
0113 3435090.

<http://www.amsta.leeds.ac.uk/>

Dr. J. R. Britnell (group theory)

Prof. S.B. Cooper (graph theory, Ramsey theory, finite set systems)

Dr. V.V. Kisil (Applications of coherent states, wavelet transform and group representations in quantum mechanics, combinatorics, etc).

Prof. H.D. Macpherson (permutation groups and related combinatorics)

Dr. Robert Marsh (quantum groups, algebraic groups, Lie algebras)

Prof. J.K. Truss (permutation groups, automorphisms of ordered structures)

School of Computing University of Leeds, Leeds LS6 2HN Tel. 0113 343 5430 Fax
0113 343 5468

<http://www.scs.leeds.ac.uk>

Prof. Martin Dyer* (algorithms and complexity)

Dr. Haiko Muller (algorithms, graph theory)

Dr. Natasha Shakhlevich (deterministic scheduling theory, combinatorial optimisation, computational complexity)

Dr. Kristina Vuskovic (graph theory, algorithms and combinatorial optimisation)

Postdoctoral Researcher

Ton Kloks (graph theory and algorithms).

Research Students

Alessandro Condota (Prof. Dyer and Dr. Shakhlevich).

Ragab Elageili (Prof. Truss)

Andrew Handley (amorphous computation, Dr. N. Cohen and Prof. Dyer)

Simon Rose (Prof. Truss)

Velumailum Mohanaraj (amorphous computing and random graphs, Prof. Dyer).

Feresiano Mwesigye (theories of linear orders, Prof. Truss)

Simon Rose (Prof. Truss)

Murilo V.G. da Silva (even-hole-free graphs, Dr. Vuskovic).

Pietro dello Stritto (model theory for generalised polygons and BN pairs, Prof. MacPherson)

Lecture courses

Introduction to Discrete Mathematics (22 lectures, 2nd year, Prof. Truss)

Graph theory (22 lectures, 3rd year, Prof. Cooper)

Combinatorics (22 lectures, 3rd year, Dr. Allenby)
Introduction to Algorithms
Theory of computation
Computational graph theory and complexity
Modern issues in algorithmic design

Current periodicals: P, X, Y

UNIVERSITY OF LEICESTER

Department of Computer Science University of Leicester, University Road, Leicester LE1 7RH. Tel: 0116 252 3887 Fax: 0116 252 3604

<http://www.cs.le.ac.uk>

Prof. T. Erlebach (combinatorial optimization, approximation algorithms, algorithmic graph theory)

Prof. R. M. Thomas* (combinatorial group and semigroup theory, automata theory)

School of Psychology University of Leicester, Lancaster Road, Leicester LE1 9HN.

Tel: 0116 229 7198

<http://www.le.ac.uk/psychology>

Dr. R. T. Gillett

Lecture courses

Discrete Structures (15 lectures, 1st year, Dr. Gambino)

Automata, Languages and Computation (30 lectures, 2nd year, Prof. Thomas)

Analysis and Design of Algorithms (30 lectures, 3rd year, Dr. Fung)

Cryptography and Information Security (30 lectures, 3rd year, Dr. Fung and Dr. Tuotso)

Discrete Event Systems (24 lectures, M.Sc., Prof. Thomas)

Game Theory in Computer Science (24 lectures, M.Sc., Prof. Erlebach).

Seminars There is a regular seminar program, see

<http://www.cs.le.ac.uk/seminars/>

Current periodicals: E, F, M, N, T, X, Y, b, d, h (paper)

E, F, M, N, P, Q, R, T, U, X, Y, b, c, d, e, f, g, h (electronic)

UNIVERSITY OF LIVERPOOL

Department of Computer Science University of Liverpool, Ashton Building, Liverpool L69 3BX, United Kingdom. Tel. 0151 795 4276 Fax: 0151 795 4235.

<http://www.csc.liv.ac.uk/>

Prof. L.A. Goldberg* (combinatorial algorithms, complexity of counting and sampling)

Dr. P.W. Goldberg (algorithmic game theory)

Dr. P. Krysta (algorithmic game theory)

Dr. R. Martin (enumerative combinatorics)

Dr. P.W.H. Wong (combinatorial algorithms, scheduling, packing)

Dr. M. Zito (algorithms and complexity, random structures)

Research Fellow

Markus Jalsenius (Markov chain algorithms)¹

Research Students

Iain G. Kelly (colouring random graphs, Dr. Zito)

Antony McCabe (Tutte polynomial, Prof. L. Goldberg)

Andrew McGrae (colouring, random graphs, Dr Zito)

Patarawit Polpinit (algorithmic game theory, Dr P. Goldberg)

Lecture courses:

Comp108 Algorithmic Foundations (1st year)

Comp202 Complexity of Algorithms (2nd year)

Comp308 Efficient Parallel Algorithms (3rd year)

Comp309 Efficient Sequential Algorithms (3rd year)

Comp523 Advanced Algorithmic Techniques (M.Sc.)

Comp526 Applied Algorithmics (M.Sc.)

Seminar:

Complexity Theory and Algorithmics Seminar, Thursdays 3:15.

LONDON SCHOOL OF ECONOMICS

Department of Mathematics London School of Economics, Houghton Street, London WC2A 2AE. Tel: 0207 955 7732 Fax: 0207 955 6877

<http://www.maths.lse.ac.uk>

Prof. Steve Alpern (ergodic theory, game theory, search theory)

Prof. Martin Anthony (computational learning theory, neural networks, theory of computing)

Dr. Tugkan Batu (randomized computation, algorithms on massive data sets, property testing, statistical testing, streaming algorithms)

Prof. Norman Biggs (algebraic graph theory, history of combinatorics, applications in physics and finance)

Prof. Graham Brightwell* (partially ordered sets, random structures)

Prof. Jan van den Heuvel (graph theory, discrete mathematics, applications)

Dr. Malwina Luczak (probability and discrete mathematics)

Dr. Jozef Skokan (quasi-randomness, applications of the regularity lemma, numbers in Ramsey theory)

Prof. Bernhard von Stengel (game theory and complexity)

Operational Research Group, Department of Management. London School of Economics, Houghton Street, London WC2A 2AE Tel: 0207 955 7653 Fax: 0207 955 6885

<http://www.lse.ac.uk/collections/operationalResearch/>

Prof. Gautam Appa (orthogonal latin squares, mixed integer programming, robust regression)

Prof. Richard Steinberg (operations management, combinatorial auctions, transportation networks)

Prof. Paul Williams (linear and integer programming)

¹ Prof. P. W. Goldberg and Dr. P. Krysta are adjoint members of the group.

Research students

Anne Balthasar (game theory, Prof. von Stengel)
Raju Chinthapathi (computational learning theory, Prof. Anthony)
Marianne Fairthorne (combinatorics, Prof. Brightwell)
David Ferguson (Ramsey theory, Prof. van den Heuvel and Dr. Skokan)
Wan Huang (game theory, Prof. von Stengel)
Julian Merschen (game theory, Prof. von Stengel)
Somkiat Trakultraipruk (Graph Theory, Prof van den Heuvel).
Zibo Xu

Research Reports

<http://www.cdam.lse.ac.uk/Reports/>

Details and reports can be requested from Jackie Everid, (info@maths.lse.ac.uk, 0207 955 7732)

Lecture courses

Discrete Mathematics (20 lectures, 2nd year, Dr. Skokan)
Combinatorial Optimization (20 lectures, M.Sc., Prof. Appa)
Theory of Algorithms (20 lectures, 3rd year, Prof. von Stengel)
Computational Learning Theory and Neural Networks (20 lectures, M.Sc., Dr. Batu)
Algorithms and Computation (20 lectures, M.Sc., Prof. von Stengel)
Discrete Mathematics and Complexity (20 lectures, M.Sc., Dr. Skokan)
Information, Communication and Cryptography (20 lectures, M.Sc., Prof. Biggs)

Seminars

Seminar on Discrete and Applicable Mathematics, Thursdays 2:00 (Dr. Luczak)
CDAM Informal Workshop, Fridays 12:00 (Dr. Skokan)
<http://www.cdam.lse.ac.uk/Seminar/>

LONDON SOUTH BANK UNIVERSITY

Faculty of Business, Computing and Information Management B.C.I.M., London
South Bank University, 103 Borough Road, London SE1 0AA. Tel: 0207 928 8989
Fax: 0207 815 7793

<http://www.lsbu.ac.uk/bcim/depts/msfs/>

Dr. Sylvia Jennings (coding theory, text compression)
Dr. Carrie Rutherford (matroid theory)

Visiting Professors: David Singmaster (recreational mathematics)
Robin Whitty* (graph theory)

Lecture courses

Discrete mathematics occurs in the first year of all the computing courses (Dr. Jennings, Dr. Rutherford).
Applications of combinatorics appear in 1st and 2nd year courses in financial mathematics (Dr. Rutherford)
Option in Applied Cryptography occurs in the final year (Dr. Jennings)

Study group/working paper series:

<http://myweb.lsbu.ac.uk/~ruthercg/MathsStudyGroup/>

Current periodicals: T

UNIVERSITY OF MANCHESTER

School of Mathematics University of Manchester, Oxford Road, Manchester M13 9PL. Tel: 0161 275 5800 Fax: 0161 275 5819

<http://www.manchester.ac.uk/math/>

Prof. A.V. Borovik (matroids and generalisations, Coxeter matroids, Coxeter groups)

Prof. R. M. Bryant (groups; Lie algebras)

Prof. V. Buchstaber (multivalued groups and association schemes: geometry and combinatorics of polytopes)

Dr. J. Grbić (combinatorial Hopf algebras; topology and combinatorics of polytopes)

Dr. M. Johnson (free Lie algebras: Young tableaux)

Dr. M. Kambites* (combinatorial group and semigroup theory, automata, computational complexity and cryptography)

Dr H. Khudaverdian (Lie groups and algebras; symmetric functions; Schur functions; Young tableaux; combinatorics in geometry)

Prof. P. J. Laycock (emeritus: experimental design)

Prof. J. Paris (logic, including interactions with combinatorics)

Prof. N. Ray (combinatorial Hopf algebras, geometry and combinatorics of polytopes)

Prof. P. J. Rowley (group theory)

Dr. R. Sandling (Steenrod algebra: lattices)

Research Students

Andrew Fenn (geometry and combinatorics of polytopes, Prof. Buchstaber and Prof. Ray)

Elaine Render (algebraic automata theory, Dr. Kambites)

James Hook (stochastic processes on graphs, Dr. D. Broomhead)

Lecture courses

Discrete Mathematics (24 lectures, 2nd year, Dr. Mark Muldoon)

Coding Theory (24 lectures, 3rd year, Prof. Peter. Symonds)

Combinatorics and Graph Theory (24 lectures, 3rd year, Dr. Gabor Megyesi)

Mathematical Programming (24 lectures, 3rd year, Mr. Mike Tso)

Combinatorial and Toric Topology (32 lectures, 4th year/MSc, Prof. Buchstaber)

Computational Complexity (32 lectures, 4th year/MSc, Dr. Kambites)

Current periodicals: A, B, E, F, H, I, L, M, N, P, R, S, T, U, V, X, Y, Z, a, b, c, d, e, f, g, h.

MIDDLESEX UNIVERSITY

Economics and Statistics Department Middlesex University Business School, The Burroughs, London, NW4 4BT Tel: 020 8411 6824

<http://www.mdx.ac.uk/bs/>

Dr. Thomas D. Bending* (Bent functions; finite geometries; lotteries).

Lecture Courses

Operational Research for Business (3rd year)
Models in Management Science (M. Sc.)

Current Periodicals: F, V, b, e (all available both on paper and electronically).

UNIVERSITY OF NEWCASTLE UPON TYNE

School of Mathematics and Statistics Newcastle University, Newcastle upon Tyne
NE1 7RU. Tel: 0191 222 6000 Fax: 0191 222 8020

<http://www.ncl.ac.uk/math/>

Dr. A. J. Duncan (combinatorial group theory, one-relator products of groups, decision problems and equations over presentations of groups)
Dr. O. H. King* (subgroup structure of classical groups, finite geometry)
Prof. S. Rees (algorithms in group theory and geometry, automatic groups and related classes of groups, connections between group theory and formal language theory)
Dr. Alina Vdovina (geometric group theory, noncommutative geometry, knot theory, Riemannian geometry)

Lecture courses

Enumeration and Combinatorics (24 lectures, 2nd year, Dr. Duncan)
Geometries and Designs (24 lectures, 3rd year, Dr. King)
Coding Theory (24 lectures, 3rd year, Dr. Vdovina).

Current periodicals: A, B, F, H, I, J, L, M, N, P, Q, R, S, T, U, V, X, Y, a, c, d, e, f, g. These are mostly electronic access only, but F, P, R, T, U, X, c, d are paper-access too.

UNIVERSITY OF NOTTINGHAM

School of Mathematical Sciences University of Nottingham, University Park,
Nottingham NG7 2RD. Tel: 0115 951 4949 Fax: 0115 951 4951

<http://www.maths.nottingham.ac.uk>

Dr. D.R. Woodall* (retired: graph colourings, electoral systems)

Lecture courses

Introductory Graph Theory (30 lectures, 3rd year, Dr. Diamantis)
Combinatorics (30 lectures, 3rd year, Prof. Hoffmann)
Coding and cryptography (30 lectures, 3rd year, Dr. Wuthrich)

Current periodicals: several (electronic access only).

NOTTINGHAM TRENT UNIVERSITY.

School of Science and Technology, Nottingham Trent University, Clifton Campus,
Nottingham NG11 8NS. Tel: 0115 848 8417

http://www.ntu.ac.uk/sat/about/academic_teams/phys_maths.html

Dr. T. J. Hetherington* (graph colourings)

Research students: none

Lecture courses: Introductory Graph Theory (24 lectures, 3rd year, Dr. Hetherington).

Current periodicals: several (electronic access only).

THE OPEN UNIVERSITY

Department of Mathematics and Statistics The Open University, Walton Hall,
Milton Keynes MK7 6AA. Tel: 01908 653479 Fax: 01908 653744

<http://www.mathematics.open.ac.uk/>

Dr. K. M. Chicot (infinite combinatorics)

Prof. M. J. Grannell (combinatorial design theory, combinatorial computing, Steiner Systems, topological design theory)

Prof. T. S. Griggs (combinatorial design theory, combinatorial computing, Steiner Systems, topological design theory)

Dr. U. Grimm (enumerative combinatorics, words, tilings, applications to physics)

Dr. F. C. Holroyd (fractional graph colourings, graceful and related tree labellings, Erdős-Ko-Rado properties of graphs)

Dr. K. A. S. Quinn* (designs and their applications)

Dr. C. A. Rowley (design of experiments, problems in document science)

Prof. J. Širáň (topological graph theory, Cayley graphs)

Dr. B. S. Webb (automorphisms of designs, Latin squares, infinite designs)

Prof. R. J. Wilson (history of graph theory and combinatorics, graph colourings)

Department of Physics and Astronomy Faculty of Science, The Open University,
Walton Hall, Milton Keynes MK7 6AA.

<http://physics.open.ac.uk/>

Prof. A. I. Solomon (combinatorial physics, integer sequences)

Department of Computing The Open University, Walton Hall, Milton Keynes
MK7 6AA. Tel. 01908 653037

<http://www.computing.open.ac.uk/>

Dr Maria Vargas-Vera (ontologies, graph theory in natural languages)

Visiting research fellow Dr. A.D. Forbes (Mathematics: combinatorial designs)

Research students

M. Heuer (combinatorial aspects of sequences and tilings: Dr. Grimm, Prof. Baake (University of Bielefeld) and Dr. Umerski (Open University)).

A. Kay (applications of graph theory in natural language processing: Dr Rowley, Dr Webb and Dr Vargas-Vera)

D. Parks (graph theory in America, 1860-1940: Prof. Wilson: part-time)

C. Psomas (topological design theory: Prof Griggs, Prof Širáň and Dr. Webb)

I. Watts (graph homomorphisms, generalisations of graph colourings: Dr. Holroyd: part-time)

Courses M336: Groups and Geometry (3rd year)

MT365: Graphs, networks and design (3rd year)

M836: Coding Theory (M.Sc.).

Current periodicals: A, C, D, E, F, H, J, N, P, S, V, W, X, Y, b, i.

UNIVERSITY OF OXFORD

The Mathematical Institute 24-29 St. Giles, Oxford OX1 3LB. Tel: 01865 273525

Fax: 01865 273583

<http://www.maths.ox.ac.uk>

Dr. R. Leese (channel assignment problems)

Prof. Oliver Riordan (combinatorics, graph theory)

Prof. Alex Scott (combinatorics, graph theory)

Prof. D. J. A. Welsh (retired: applied probability, complexity)

Department of Statistics 1 South Parks Road, Oxford OX1 3TG. Tel: 01865 272860

Fax: 01865 272595

<http://www.stats.ox.ac.uk>

Prof. C. J. H. McDiarmid* (probability and algorithms, probabilistic methods in combinatorics, colouring problems)

Dr. James Martin (probability theory, links to statistical physics and theoretical computer science)

Prof. Gesine Reinert (network statistics (including small world graphs), applied probability).

Dr. Bhalchandra Thatte (combinatorial, graph-theoretic and pedigree reconstruction problems).

Computing Laboratory Wolfson Building, Parks Road, Oxford OX1 3QD Tel: 01865 73838 Fax: 01856 73839

<http://web.comlab.ox.ac.uk/oucl/>

Dr Raphael Hauser (continuous optimization, applied probability).

Dr. Stephan Kreutzer (computational logic, logic and graph theory, finite model theory, graph searching games, verification and verification games, model checking, database theory).

Dr. Andy Twigg (theoretical computer science, compact routing, graph algorithms)

Research students

Milanka Jankovic (Prof Riordan)

Hui Fai Law (Prof Scott)

Tom Rackham (Prof Scott)

Bilyana Shoilekova (Prof McDiarmid)

Matthew White (Prof. Scott)

Lecture courses

Combinatorial optimisation (12 lectures, M.Sc. Applied Statistics, Prof. McDiarmid)

Communication theory (16 lectures, 3rd year, Dr. D. Stirzaker)

Integer programming (16 lectures, 3rd year, Dr. Hauser)

Graph Theory (16 lectures, 4th year, Prof. Scott)

Probabilistic Combinatorics (16 lectures, 4th year, Dr. Riordan)

Seminar Combinatorial theory (Tuesdays at 2.30 p.m.)

Current periodicals: D, E, J, K, L, N, P, Q, T, Y

UNIVERSITY OF PLYMOUTH

School of Mathematics & Statistics University of Plymouth, Drake Circus, Plymouth
PL4 8AA. Tel: +44 (0)1752 586888 Fax: +44 (0)1752 586900

<http://www.plymouth.ac.uk/pages/view.asp?page=7889>

Dr. Stephen Huggett* (graph theory, twistor theory).

UNIVERSITY OF PORTSMOUTH

Department of Mathematics Buckingham Building, Lion Terrace, Portsmouth,
Hampshire PO1 3HE Tel: 023 9284 6367 Fax: 023 9284 6364

<http://www.port.ac.uk/departments/academic/math>

Dr. A. Makroglou*

Current periodicals: X, Y, b

QUEEN MARY, UNIVERSITY OF LONDON

School of Mathematical Sciences (Mathematics Research Centre) Queen Mary,
University of London, Mile End Road, London E1 4NS. Tel: 0207 975 5440 Fax:
0208 980 9587

<http://www.maths.qmw.ac.uk/>

Prof. D. K. Arrowsmith (graph colourings, percolation theory, interaction models and knot invariants)

Prof. R. A. Bailey (design of experiments, latin squares and their generalisations, designs for complicated block structures, association schemes, partition species)

Dr. J. N. Bray (group theory)

Prof. P. J. Cameron* (groups and their operands, graphs, codes, designs, models, orbits and enumeration)

Prof. Anthony Hilton (Emeritus Professor: graph theory, design theory, finite set systems)

Prof. Bill Jackson (graph theory)

Prof. Mark Jerrum (computational complexity, probabilistic computation, the complexity of combinatorial enumeration)

Dr. J. Robert. Johnson (graph theory and combinatorics)

Dr. Peter Keevash (hypergraph theory)

Prof. Thomas Müller (group theory, combinatorics, analysis)

Prof. Donald Preece (Emeritus Professor: design theory)

Dr. T. Prellberg (statistical mechanics, dynamics, enumerative combinatorics)

Dr. L. H. Soicher (computational group theory, graph theory, finite geometry, design theory)

Dr. D. S. Stark (probability and combinatorics)

Dr. Mark. Walters (probabilistic combinatorics, percolation, extremal problems)

Prof. R. A. Wilson (computational group theory)

Researchers

Dr. Adam Watson (graph theory, matroid theory, rigidity)

Dr. Taoyang Wu (Network coding)

Dr. Sam Tarzi (graph theory)

Research students

Fatma Al-Kharoosi (coding theory, Prof. Cameron)
Michael Brough (graph theory: Prof. Jackson)
Andrew Drizen (design theory, Markov chains: Prof. Cameron)
John Faben (counting complexity for CSP: Prof. Jerrum)
Victor Falgas-Rouvry (extremal problems, percolation, probabilistic combinatorics: Dr. Walters)
Josephine Kusuma (coding theory, Prof. Cameron)
Federico Montecalvo (covering designs, Prof. Cameron)
Alexander O'Neill (graph theory: Prof. Cameron)
Derek Patterson (design theory: Prof. Soicher)
Emil Vaughan (graph theory and statistics: Prof. Cameron)

Lecture courses

Algorithmic Graph Theory (36 lectures, 2nd year, Dr. Keevash)
Combinatorics (36 lectures, 3rd year, Prof. Jackson)
Coding Theory (36 lectures, 3rd year, Dr. Fayers)
Cryptography (36 lectures, 3rd year, Prof. Jackson)
Enumerative and Asymptotic Combinatorics (24 lectures, M.Sc., Prof. Müller)
Extremal combinatorics (24 lectures, M.Sc., Dr. Keevash)
Graphs, colourings and designs (24 lectures, M.Sc., Prof. Hilton)

Seminars Combinatorics study group (Prof. Cameron, Fridays 4:30pm)

<http://www.maths.qmul.ac.uk/~pjc/esg.html>

Design of Experiments (Dr. Coad, Thursday 4:30pm)

Pure Mathematics (Dr. Tomasic, Monday 4:30pm)

Current periodicals: A, B, E, F, H, I, J, L, M, N, P, Q, R, S, T, U, V, X, Y, a, b, c, d, e, f, g. Print only for g, electronic only for A, I, J, L, M, Q, S, a, c, d, e, f. All others available both electronically and in print.

UNIVERSITY OF READING

Department of Mathematics University of Reading, Whiteknights, P.O. Box 220
Reading, Berks RG6 6AX. Tel: 0118 378 8996 Fax: 0118 931 3423

Prof. A. J. W. Hilton* (graph theory, design theory, finite set systems)

Dr. W. R. Johnstone (graph theory)

Dr. D. S. G. Stirling (graph theory)

Honorary fellow Dr. D. C. Daykin

Lecture courses

Linear Algebra and Coding Theory (44 lectures, Dr. T. Kuna)

Current periodicals: C, N, P, S, X, Y, b

ROTHAMSTED EXPERIMENTAL STATION

Biomathematics Unit IACR - Rothamsted, Harpenden, Herts AL5 5RJ Tel: 01582 763133 Fax: 01582 4671166

<http://www.rothamsted.bbsrc.ac.uk>

Prof. R. W. Payne* (Statistical computing, design and analysis of experiments, identification keys and diagnostic tables, statistical modelling)

Sue Welham (REML estimation of various components, neighbour effects, design of laboratory experiments, statistical modelling)

Current periodicals: E, F

ROYAL HOLLOWAY, UNIVERSITY OF LONDON

Department of Mathematics Royal Holloway, Egham Hill, Egham, Surrey TW20 0EX. Tel: 01784 443093 Fax: 01784 430766

<http://www.ma.rhul.ac.uk>

Prof. S. Blackburn (enumeration of groups, applications of algebraic methods to data communications, coding theory, cryptography)

Dr. C. Cid (cryptography, security, computational algebra)

Dr. C. Elsholtz* (combinatorial number theory, prime numbers)

Prof. J. W. Essam (applications of graph theory, combinatorics, numerical analysis and computing techniques to problems in critical phenomena theory, in particular to phase transitions, conduction in disordered materials, polymer science, epidemic models and cellular automata)

Dr. S. Gerke (graph theory, combinatorics, random structures and algorithms)

Dr. B. Klopsch (group theory, additive combinatorics)

Dr. K. M. Martin (cryptography and information security)

Prof. C. Mitchell (cryptography and information security)

Prof. S. P. Murphy (spatial probability, cryptography)

Dr. C. W. Norman (algebraic topics)

Prof. K. Paterson (cryptography and coding)

Prof. F. C. Piper (algebraic combinatorics: finite geometry, theory of designs, coding theory, cryptography)

Prof. P. R. Wild (algebraic combinatorics: designs and difference sets, statistical applications, applications of discrete mathematics to data communications, coding theory, cryptography)

Visiting Professors Prof. N. Stephens, Prof. M. Walker (Vodafone Ltd).

Postdoctoral Researcher Dr. M. B. Paterson (frameproof codes, key distribution schemes, multivariate equation solving techniques).

Department of Computer Science Royal Holloway, Egham Hill, Egham, Surrey TW20 0EX. Tel: 01784 443421 Fax: 01784 443420

<http://www.cs.rhul.ac.uk>

Prof. D. Cohen (constraint satisfaction, graphs and hypergraphs)

Prof. Z. G. Gutin (graphs and combinatorics, combinatorial optimisation)

Dr. A Yeo (graphs and combinatorics, combinatorial optimisation)

Research students

M. Albrecht (algebraic aspects of cryptography: Dr. Cid)

D. Appel (group theory: Dr. Klopsch)

J. Birkett (security, asymmetric cryptography: Dr. Dent).
L. Chen (Role-Based Access Control: Dr. Crampton)
J. Cho (key management, secure protocol design for mobile communications)
N. Hoare (cryptography and network security, Prof. Paterson)
R. Hughes-Jones (combinatorics, Prof. Blackburn)
D. Karapateyan (Prof. Gutin)
Eun Jung Kim (Prof. Gutin)
C. Mullan (cryptography and group theory; Prof. Blackburn and Dr Cid)
J. Novak (formerly J. Bate) (combinatorial key management techniques: Dr. Martin).
L. O'Toole (DES, MARS, feistel networks)
A. Panoui (combinatorics and cryptography: Prof. Blackburn)
P. Rochanakul (combinatorics and cryptography: Prof. Blackburn and Dr. Ng)
R. S. Ruprai (elliptic curves, Dr. Galbraith)
A. Soleimanfallah
S. Srinivasan (cryptography, network security, provable security: Prof. Paterson)
M. J. Saarinen (theoretical and engineering aspects of computer security)

Lecture courses

Discrete mathematics (33 lectures, 2nd year, Dr. Elsholtz)
Cipher systems (33 lectures, 3rd year, Dr. Ng)
Error correcting codes (33 lectures, 3rd year, Dr. Audenaert)
Game theory (33 lectures, 3rd year, Dr. Sheer)
Theory of error correcting codes (44 lectures, p/g, Dr. Audenaert)
Channels (33 lectures, p/g, Dr. Audenaert)
Combinatorics (33 lectures, p/g, Dr. Gerke)
Network Algorithms (44 lectures, p/g, Dr. James McKee)
Public Key Cryptography (33 lectures, p/g, Prof. Blackburn).
Advanced Cypher Systems (44 lectures, p/g, Dr. Ng)
Applications of Field Theory (33 lectures, p/g, Dr. Klopsch)

The Department of Mathematics runs taught M.Sc. programmes in Information Security, Mathematics of Cryptography and Communications, and Mathematics for Applications.

Seminars Pure Maths Seminar (Dr. Gerke) (Tuesdays at 4.00 p.m. in room 219).

Current periodicals: E, F, H, J, M, N, P, S, T, X, b, h (all available hard copy, some also available electronically).

UNIVERSITY OF ST. ANDREWS

School of Mathematics and Statistics The Mathematical Institute, North Haugh, St. Andrews, Fife KY16 9SS. Tel: 01334 463745 Fax: 01334 463748

<http://www.mcs.st-and.ac.uk>

Dr. C. M. Campbell (combinatorial group theory, combinatorics of semigroup presentations)

R. L. Constable (combinatorics)

Prof. K. J. Falconer (combinatorial geometry)

Dr. B. Gray (groups acting on graphs, relational structures)

Dr. S. Huczynska (Applications of finite fields, permutation arrays, combinatorial designs)
Dr. A.W. Kemp (combinatorial applications in statistics)
Prof. C. D. Kemp (combinatorial applications in statistics)
Dr. J. H. McCabe (graph theory, number theory)
Dr. J. D. Mitchell (combinatorial and topological aspects of group and semigroup theory)
Dr. M. Neunhoefffer (group and representation theory)
Dr. J. J. O'Connor (combinatorial group theory)
Dr. L. Olsen (analysis and combinatorics)
Dr. M. R. Quick (group theory)
Prof. E. F. Robertson (combinatorial group theory, combinatorics of semigroup presentations)
Dr. C. M. Roney-Dougal* (finite permutation and matrix groups, computational group theory, constraint programming).
Prof. N. Ruškuc (combinatorics of words, mappings, permutations: combinatorial semigroup theory)
Dr. B. O. Stratmann (combinatorial group theory, Kleinian groups)

School of Computer Science North Haugh, St Andrews, Fife KY16 9SS.

Tel: 01334 463253 Fax: 01334 463278

<http://www.cs.st-andrews.ac.uk/>

Prof. S. A. Linton (computational algebra: systems, algorithms and applications)

Research Assistant Dr. A. B. Konovalov (computational group and group ring theory)

Research Students

Mrs N. H. Abu-Ghazali (Prof. Ruškuc)

Miss F. T. Brunk (extremal combinatorics on partial permutations and posets, Dr. Huczynska and Prof. Ruškuc).

Mr A. M. H. Connelly

Miss H. J. Coutts (finite permutation and matrix groups, Dr. Quick and Dr. Roney-Dougal)

Mr. S. Craik (graph theory, Dr. Mitchell and Prof. Ruškuc)

Mr A. Distler (enumeration of finite semigroups, Dr. Mitchell and Prof. Ruškuc)

Miss J. D. Ferguson (group theory, Dr. Quick)

Mr. A. Geddes (Dr. Mitchell)

Ms A. Mahdi (Prof. Ruškuc)

Mr V. Maltcev (semigroup theory: Dr. Mitchell and Prof. Ruškuc)

Mr J. M. McDougall-Bagnall (generation questions in finite groups, Dr. Quick)

Ms N. E. Menezes (probabilistic group theory, Dr. Quick and Dr. Roney-Dougal)

Ms S. A. Munday (Fuchsian groups and Diophantine Analysis, Dr Stratmann)

Mr Y. Negi (Prof. Linton and Dr. Roney-Dougal)

Mr Y. H. Peresse (Generation questions in infinite transformation semigroups, Dr. Mitchell and Dr. Quick)

Mr M. Pfeiffer (Prof Ruškuc and Dr Neunhoefffer)

Miss C.R.Pollard (matrix group algorithms, Dr Roney-Dougal and Dr Neunhoefffer).

Mr A. J. Samuel (Noncommutative fractal geometry, Dr. Stratmann)

Lecture courses

Discrete mathematics (56 lectures, 2nd year)
Finite mathematics (24 lectures, 3rd/4th year, alternate years)
Graph Theory (24 lectures, 3rd/4th year, alternate years)
Various courses involving algorithms and complexity at 3rd/4th year level.

Seminars Pure Mathematics Colloquium 4pm Thursdays
Algebra and Combinatorics Seminar 4pm Wednesdays

Current periodicals: A, B, E, F, H, J, L, M, N, P, Q, R, S, U, V, X, Y, Z, a, b, c, d, e, f, g (all online only).

UNIVERSITY OF SALFORD

Mathematics Section, School of Computing, Science and Engineering University of Salford, Salford M5 4WT.

<http://www.cse.salford.ac.uk>

Honorary Professor: Ray Hill* (coding theory, finite geometry)

Current periodicals: T

UNIVERSITY OF SOUTHAMPTON

School of Mathematics University of Southampton, Southampton SO17 1BJ. Tel: 023 8059 3612 Fax: 023 8059 5147

<http://www.maths.soton.ac.uk>

Prof. G. A. Jones* (permutation groups, connections between groups and graphs)

Prof. R. C. King (representations theory of Lie algebra and superalgebras, applications in Physics)

Dr. E. K. Lloyd (retired: combinatorics and graph theory including applications and history)

Prof. C. N. Potts (combinatorial optimization and scheduling)

Prof. D. Singerman (discontinuous groups with applications to Riemann surfaces and the theory of maps)

Department of Management 023 8059 3966

<http://www.management.soton.ac.uk>

Dr. Julia A. Bennell

Lecture courses

Combinatorics and Graph theory (13 lectures, 1st year, Dr. Ann Hirst)

Theory of numbers (36 lectures, 3rd/4th year, Dr. Mary Jones)

Scheduling (10 lectures, M.Sc., Prof. Potts)

Algorithms (36 lectures, 2nd year, Prof. Jones)

Information and coding Theory (36 lectures, 3rd year, Prof. Jones)

Algorithms, machines and languages (36 lectures, 3rd/4th year, Prof. Jones)

Finite Mathematics (36 lectures, 3rd/4th year, Dr. Jim Renshaw)

Graph Theory (36 lectures, 3rd/4th year, Dr. Renshaw)

Current periodicals: A, C, E, F, M, N, P, R, T, X, Y

STAFFORDSHIRE UNIVERSITY

Faculty of computing, Engineering and Technology, Staffordshire University, Leek Road, Stoke-on-Trent, ST4 2AZ. Tel/Fax: 01782 294026
Prof. Brian Burrows
Dr. Sarah J. Easton*

UNIVERSITY OF STIRLING

Mathematics and Statistics Group, Department of Computing Science & Mathematics The University of Stirling, Dept. of Computing Science and Mathematics, Stirling, Scotland FK9 4LA. Tel: 01786 467460 Fax: 01786 464551
<http://www.cs.stir.ac.uk/math/>

Dr. P. S. Jackson (algebraic graph theory)
Emeritus Prof. P. Rowlinson* (algebraic graph theory)

Lecture courses

Discrete structures (44 lectures, 1st year)
Combinatorics (32 lectures, 3rd/4th year, alternate years)
Algebra and codes (32 lectures, 3rd/4th year, alternate years)

Current periodicals: F, H, N, P, R, S, U, X, Y, d (all electronic).

UNIVERSITY OF SURREY

Department of Mathematics University of Surrey, Guildford, Surrey GU2 7XH. Tel: 01483 300800 Fax: 01483 686071
<http://www.maths.surrey.ac.uk/>

Honorary Visiting Senior Research Fellow Dr. A.D. Keedwell* (Latin squares and quasigroups, finite projective planes, coding theory)

Lecture courses

Groups and symmetry (30 lectures, 2nd year, Dr. L. Avramidou)
Algebra and Codes (30 lectures, 2nd year, Dr. D. Fisher)
Galois theory (3rd year, 30 lectures, Dr. D. Fisher)
Experimental design (30 lectures, 3rd year (alternate years), Dr J. D. Godolphin)

Current periodicals: C, E, F, i (paper), T (electronic).

UNIVERSITY OF SUSSEX

Department of Mathematics University of Sussex, Brighton, East Sussex BN1 9RF. Tel: 01273 877345 Fax: 01273 678097
<http://www.sussex.ac.uk/math>

Prof. J. W. P. Hirschfeld* (finite geometry, algebraic geometry, coding theory)

Research students

Najm Al-Seraji (finite geometry, Prof. Hirschfeld)
Emad Al-Zangana (finite geometry, Prof. Hirschfeld)
Gary Cook (coding theory, Prof. Hirschfeld)
Jamie Hutton (coding theory, Prof. Hirschfeld)
Karl Waugh (finite geometry, Prof. Hirschfeld)

Lecture courses

Groups and Rings (30 lectures, 3rd/4th year, Dr. R. Fenn)
Coding Theory (36 lectures, 3rd/4th year, Prof. Hirschfeld)

Current periodicals: None

SWANSEA UNIVERSITY

Mathematics Department Swansea University, Singleton Park, Swansea SA2 8PP

Tel: 01792 295457 Fax: 01792 295843

<http://www-maths.swan.ac.uk>

Dr. F. W. Clarke

Dr. A.D. Thomas

Lecture courses

Combinatorics (20 lectures, 3rd year)
Applied algebra (40 lectures, 3rd year, Dr. Clarke)

UNIVERSITY COLLEGE LONDON

Department of Mathematics University College London, Gower Street, London

WC1E 6BT. Tel: 020 7679 2839 Fax: 020 7383 5519

<http://www.ucl.ac.uk/Mathematics>

Prof. K.M. Ball (convex and discrete geometry, functional analysis)

Prof. I. Bárány (convex geometry, geometry of numbers, theory of integer programming)

Prof. M. Csörnyei (real analysis)

Dr. J.A. Haight (combinatorial number theory, measure theory, ramsey theory, logic)

Prof. M. Laczkovich (real analysis)

Prof. D.G. Larman (geometric analysis, combinatorics)

Prof. P. McMullen (emeritus: convexity, regular polytopes)

Prof. A. Sokal (combinatorial aspects of mathematical physics)

Dr. J. Talbot* (combinatorics, complexity theory)

Department of Economics University College London, Gower Street, London WC1E

6BT Tel: 020 7679 5888 Fax: 020 7916 2775

<http://www.ucl.ac.uk/economics/>

Prof. K. Binmore (emeritus: game theory)

Research students

Maria Prodromou (combinatorial properties of convex and discrete sets, Prof. Bárány)

Rahil Baber (combinatorics, Dr. Talbot)

Lecture courses

Optimisation (2nd year)

Graph Theory and Combinatorics (3rd year)

Geometry of numbers (3rd year, Prof. Larman)

Computational Geometry (3rd year, Prof. McMullen)

Game theory (3rd year, Prof. Binmore)

Seminar Colloquium (Tuesdays at 4.00 p.m.)
Informal Seminar (Wednesdays at 4.30pm)

VODAFONE GROUP UK.

Vodafone House, 1 The Connection, Newbury RG14 2FN. Tel: 01635 33251 Fax: 01635 31127

<http://www.vodafone-rnd.com/whoweare/uk.htm>

Dr. S. Babbage*
Dr. C. Belrose
Dr. N. Bone
Dr. N. Jefferies
S. Manning
Prof. M. Walker
R. Wright

The group is interested in cryptography, randomness, statistics, applications of graph theory and combinatorics.

Current periodicals: G, T, Z

UNIVERSITY OF WARWICK

Coventry, CV4 7AL

Department of Computer Science Tel: 0247652 3193 Fax: 024 7657 3024

<http://www.dcs.warwick.ac.uk/>

Prof. Artur Czumaj (analysis and design of algorithms and data structures, randomized algorithms, graph theory, game theory)

Dr. Matthias Englert (EPSRC Postdoctoral Fellow in Theoretical Computer Science: analysis and design of algorithms and data structures, approximation algorithms)

Dr. Marcin Jurdzinski (algorithmic game theory, logic in computer science, optimization, modelling and algorithmic analysis of systems)

Dr. Oded Lachish (coding theory, circuit complexity, sublinear algorithms)

Dr. Rajagopal Nagarajan (quantum information processing, security and cryptography)

Prof. Mike Paterson* (computational complexity, analysis and design of algorithms)

Dr. Harald Räcke (algorithms, network algorithms).

Dr. Rahul Savani (game theory)

Dr. Alex Tiskin (discrete mathematics, parallel computation, combinatorial optimization).

Warwick Business School Tel. 024 7652 8220 Fax: 024 7652 4539

<http://www.wbs.ac.uk>

Prof. Bo Chen (scheduling theory and applications; real-time optimisation; combinatorial optimisation)

Dr. Vladimir Deineko (combinatorial optimisation, polynomially solvable cases of NP-hard problems)

Dr. Sinan Gürel (scheduling, algorithmic game theory)

Warwick Mathematics Institute Tel. 024 7652 4661 Fax: 024 7652 4182.

<http://www.maths.warwick.ac.uk>

Dr. Peter Allen (extremal graph theory, Ramsey theory, asymptotic enumeration; DIMAP postdoc)
Dr. Vadim Lozin (algorithmic and structural graph theory)

Research Students

Anna Adamaszek (approximation algorithms, Prof. Czumaj)
Michal Adamaszek (combinatorial algebraic topology, Prof. J. Jones and Prof. Czumaj)
Haris Aziz (combinatorial optimization, algorithmic game theory, Prof. Paterson)
John Fearnley (algorithmic game theory, Dr. Jurdzinski)
Nicholas Korpelainen (algorithmic and structural graph theory, Dr. Lozin)
Peter Krusche (efficient parallel processing, Dr. Tiskin)
Nikalaos Papanikolaou (quantum protocols, Dr. Nagarajan)
Michal Rutkowski (game theory, Dr. Jurdzinski)

Lecture courses

Discrete Mathematics and its Applications 1 and 2 (1st year)
Combinatorics (2nd year)
Algorithm Design (2nd year)
Mathematical Programming (2nd year)
Combinatorial Optimisation (2nd year)
Probability and Discrete Mathematics (2nd year)
Complexity of Algorithms (3rd year)
Efficient Parallel Algorithms (3rd year)
Advanced Topics in Algorithms (3rd year)
Modelling and Algorithmic Analysis of Systems (4th year)
Algorithmic Game Theory (4th year)
Mathematical Programming and Heuristics (MSc)
Operational Research (4th year)
Combinatorial Optimisation (MSc)

All the people listed above at Warwick are affiliated with DIMAP, the Centre for Discrete Mathematics and its Applications; see <http://www.dcs.warwick.ac.uk/dimap> for details.

UNIVERSITY OF THE WEST OF ENGLAND, BRISTOL

Faculty of Computing, Engineering and Mathematical Sciences University of the West of England, Coldharbour Lane, Bristol BS16 1QY. Tel: 0117 344 2783 Fax: 0117 344 2734
<http://www.cems.uwe.ac.uk/amg/>

Dr Rhys Gwynllwy (graph theory and its applications)
Dr Ana Sendova-Franks (graph theory and its applications)
Dr. Vadim Zverovich* (graph theory, combinatorial optimisation)

Research Students:

Anush Poghosyan (graph theory and algorithms, Dr. Zverovich).

Lecture courses

Discrete Mathematics (2nd year)

Operational Research (2nd year)

Decision Analysis (3rd year)

Mathematical Programming (3rd year)

Current periodicals: D, N, S, b

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 2008-April 2009 - 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. 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, and that all co-authors (UK based or not) are cross-referenced to.

Abbreviations of the titles of journals/serials are normally taken from Zentralblatt, though for occasional less commonly occurring journals, conference proceedings and books the style may vary. Following a suggestion last year, 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. The copyright of an article rests with the author(s) unless they have conceded the copyright to (e.g.) a publisher.

Similarly, in many cases 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.

Abreu, M., Diwan, A. A., Jackson, B., Labbate, D. and Sheehan, J.

Pseudo 2-factor isomorphic regular bipartite graphs, *J. Comb. Theory Ser. B* **98** (2008) 432-442 <http://dx.doi.org/10.1016/j.jctb.2007.08.006>

Achlioptas, D. and Coja-Oghlan, A.

Algorithmic barriers from phase transitions. Proc. 49th FOCS (2008) 793-802.
http://arxiv.org/PS_cache/arxiv/pdf/0803/0803.2122v2.pdf

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

On the solution space geometry of random formulas. Preprint.
<http://web.mac.com/aminco/papers/geometry.pdf>

Addario-Berry, L., Janson S. and McDiarmid, C.

On the spread of supercritical random graphs. Preprint.
<http://www.math.uu.se/~svante/papers/index.html#226>

Adler, I., Grohe, M. and Kreutzer, S.

Computing excluded minors. Proceedings of SODA2008 (2008) 641-650.
<http://web.comlab.ox.ac.uk/people/Stephan.Kreutzer/Publications/08-soda.pdf>

Ahmadidelir, K., Campbell, C. M. and Doostie, H.
Two classes of semigroups and monoids involving Lucas numbers. *Semigroup Forum* **78** (2009) 200-209.

Ahmadidelir, K., Campbell, C. M. and Doostie, H.
Almost commutative semigroups. *Algebra Colloq.*, to appear.

Aikin, J., Chun, C., Hall, R. and Mayhew, D.
Internally 4-connected binary matroids with cyclically sequential orderings.
Submitted. <http://www.math.lsu.edu/~chchchun/CyclicSeqV9.pdf>

Albert, M. H., Atkinson, M. D., Brignall, R., Ruškuc, N., Smith, R. and West, J.
Growth rates for subclasses of $Av(321)$. Submitted.
<http://www.maths.bris.ac.uk/~marlfb/papers/321avoiders.pdf>

Albert, M. H., Atkinson, M. D. and Linton, S.A.
Permutations generated by stacks and dequeues. Submitted.

Albert, M. H. and Linton, S.A.
Growing at a Perfect Speed. *Comb. Probab. Comput.*, to appear.

Albert, M. H., Linton, S. A. and Ruškuc, N.
On the permutational power of token passing networks. To appear.

Aldous, D. J., McDiarmid, C. and Scott, A. D.
Uniform multicommodity flow through the complete graph with random edge-capacities. Preprint. <http://people.maths.ox.ac.uk/~scott/Papers/multiflow.pdf>

Alekseev, V. E., Lozin, V. V., Malyshev, D. and Milanic, M.
The maximum independent set problem in planar graphs. *Lect. Notes Comput. Sci.* **5162** (2008) 96-107. http://dx.doi.org/10.1007/978-3-540-85238-4_7

Allen, P.
Covering two-edge-coloured complete graphs with two disjoint monochromatic cycles. *Comb. Probab. Comput.* **17** (2008) 471-486.
<http://www.warwick.ac.uk/~mashat/twocycle.pdf>

Allen, P.
Forbidden induced bipartite graphs. *J. Graph Theory* **60** (2009) 219-241.
<http://www.warwick.ac.uk/~mashat/forbbip.pdf>

Allen, P.
Minimum degree conditions for cycles. Submitted.
<http://www.warwick.ac.uk/~mashat/pathcyclec.pdf>

Allen, P., Lozin, V. V. and Rao, M.
Clique-width and the speed of hereditary properties. *Electron. J. Comb.* **16** (2009) R35. <http://www.warwick.ac.uk/~mashat/sp.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.*, to appear.
<http://www.math.tu-berlin.de/~kang/pub/jquasi.pdf>

Alon, N., Fomin, F., Gutin, G., Krivelevich, M. and Saurabh, S.
Spanning directed trees with many leaves. *SIAM J. Discrete Math.*, to appear.
<http://www.cs.rhul.ac.uk/~gutin/paperstsp/dmljour180908.pdf>

Alpern, S. and Fokkink, R.
Accumulation Games on Graphs. Preprint.
<http://www.cdam.lse.ac.uk/Reports/Files/cdam-2008-18.pdf>

Alpern, S., Fokkink, R. and Kikuta, K.

- On Ruckle's Conjecture on Accumulation Games. Preprint.
<http://www.cdam.lse.ac.uk/Reports/Files/cdam-2008-20.pdf>
- Amato, D. and Truss, J. K.**
 Some constructions of highly arc-transitive digraphs. Preprint.
<http://www.amsta.leeds.ac.uk/pure/staff/truss/primitive.pdf>
- Amato, D. and Truss, J. K.**
 Crown-free highly arc-transitive digraphs. Preprint.
<http://www.amsta.leeds.ac.uk/pure/staff/truss/amato.pdf>
- Amini, O., Esperet, L. and van den Heuvel, J.**
 A unified approach to distance-two colouring of graphs on surfaces. Submitted.
<http://www.cdam.lse.ac.uk/Reports/Files/cdam-2008-23.pdf>
- Anderson, I.**
 Early examples of spouse avoidance, *Bull. Inst. Combin. Appl.* **54** (2008) 47-52.
- Anderson, I. and Ellison, L. H. M.**
 Z-cyclic directed Moore (2,6) generalised whist tournament designs on p elements, where $p \equiv 7 \pmod{12}$. *Ars Comb.* **87** (2008) 119-126.
- Anderson, I. and Preece, D. A.**
 Some Z_{n+2} terraces from Z_n power-sequences, n being an odd prime. *Discrete Math.* **308** (2008) 4086-4107. <http://dx.doi.org/10.1016/j.disc.2007.07.110>
- Anderson, I. and Preece, D. A.**
 Combinatorially fruitful properties of $3 \cdot 2^{-1}$ and $3 \cdot 2^{-2}$ modulo p . *Discrete Math.*, to appear.
- Anthony, M.**
 Aspects of discrete mathematics and probability in the theory of machine learning. *Discrete Appl. Math.* **156** (2008) 883-902.
- Aouchiche M., Bell F. K., Cvetković, D., Hansen P., Rowlinson P., Simić, S. K., Stevanović, D.**
 Variable neighborhood search for extremal graphs 16: some conjectures related to the largest eigenvalue of a graph. *Eur. J. Oper. Res.* **191** (2008) 661-676.
<http://dx.doi.org/10.1016/j.ejor.2006.12.059>
- Applegate, R. and Cameron, P. J.**
 Orbits on n -tuples. *Commun. Alg.* **37** (2009) 269-275
<http://dx.doi.org/10.1080/00927870802243739>
- Araújo, I. M., Ruškuc, N. and Silva, P. V.**
 Presentations for inverse subsemigroups with finite complement. Submitted.
- Araújo, J., von Bünau, P. and Mitchell, J. D.**
 Computing automorphisms of semi groups. *J. Symb. Comput.*, to appear.
- Araújo, J., Folgado, L. and Mitchell, J. D.**
 A classification of permutation groups that define idempotent generated semigroups. Submitted.
- Arrowsmith, D. K., Bhatti, F. and Essam, J. W.**
 Fermi walk configurations on the directed square lattice and standard Young Tableaux. Submitted. http://www.maths.qmul.ac.uk/~mathres/dynsys/dka/EJC_08.pdf
- Atkinson, M. D.**
 [see: Albert, M. H.]
- Avis, D., Rosenberg, G., Savani, R. and von Stengel, B.**
 Enumeration of Nash Equilibria for Two-Player Games. *Economic Theory*, to appear.
<http://dx.doi.org/10.1007/s00199-009-0449-x>
- Aziz, H., Lachish, O., Paterson, M. S. and Savani, R.**

- Power indices for connectivity games. AAIM 2009, to appear.
<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: the nucleolus of connectivity. Preprint.
Aziz, H. and Paterson, M. S.
Computing voting power in easy weighted voting games. Preprint.
http://arxiv.org/PS_cache/arxiv/pdf/0811/0811.2497v1.pdf
- Bailey, R. A.**
Variance and concurrence in block designs, and distance in the corresponding graphs. *Mich. Math. J.*, in press.
- Bailey, R. A. and Cameron, P. J.**
Combinatorics of optimal designs. In: *Surveys in Combinatorics 2009* (S. Huczynska, J. D. Mitchell and C. M. Roney-Dougal, eds.), *London Math. Soc. Lect. Note Ser.* **365** CUP (2009) pp. 19-73.
- Bailey, R. F. and Cameron, P. J.**
On the single-orbit conjecture for uncoverings-by-bases. *J. Group Theory* **11** (2008) 845-850. <http://dx.doi.org/10.1515/JGT.2008.053>
- Bailey, R. F. and Prellberg, T.**
Decoding generalised hyperoctahedral groups and asymptotic analysis of correctible error patterns. Preprint. <http://www.maths.qmw.ac.uk/~tp/papers/pub064pre.pdf>
- Balister, P., Bollobás, B. and Gerke, S.**
Connectivity of addable graph classes. *J. Combin. Theory Ser. B* **98** (2008) 577-584. <http://www.msci.memphis.edu/~pbalistr/papers/conadd.pdf>
- Balister, P., Bollobás, B. and Gerke, S.**
Sequences with changing dependencies. *SIAM J. Discrete Math.* **22** (2008) 1149-1154. <http://www.msci.memphis.edu/~pbalistr/papers/SeqChDep.pdf>
- Balister, P., Bollobás, B., Johnson, J. R. and Walters, M.**
Random majority percolation. *Random Struct. Algorithms*, in press
- Balister, P., Bollobás, B., Sarkar, A. and Walters, M.**
Connectivity of a Gaussian Network. *International Journal of Ad Hoc and Ubiquitous Computing* **3** (2008) 204-213 <http://dx.doi.org/10.1504/IJAHUC.2008.018407>
- Balister, P., Bollobás, B., Sarkar, A. and Walters, M.**
Highly connected random geometric graphs. *Discrete Appl. Math.* **157** (2009) 309-320 <http://dx.doi.org/10.1016/j.dam.2008.03.001>
- Balister, P., Bollobás, B., Sarkar, A. and Walters, M.**
A critical constant for the k -nearest neighbour model. *Adv. Appl. Probab.*, in press.
- Balister, P., Bollobás, B. and Walters, M.**
Random transceiver networks, *Adv. Appl. Probab.*, in press.
- Balister, P. N., 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*, to appear. <http://www.cs.rhul.ac.uk/~gutin/paperstsp/cgen220708.pdf>
- Balogh, J., Bollobás, B. and Morris, R. D.**
Majority bootstrap percolation on the hypercube. *Comb. Probab. Comput.* **18** (2009) 17-51. <http://dx.doi.org/10.1017/S0963548308009322>
- Balogh, J., Bollobás, B. and Morris, R. D.**
Bootstrap percolation in three dimensions. Preprint.
http://arxiv.org/PS_cache/arxiv/pdf/0806/0806.4485v1.pdf
- Bang-Jensen, J., and Gutin, G.**

Out-branchings with Extremal Number of Leaves. Submitted.

<http://www.cs.rhul.ac.uk/~gutin/paperstsp/branchs4.pdf>

Bang-Jensen, J. and Yeo, A.

The minimum spanning strong subdigraph problem is fixed parameter tractable. *Discrete Appl. Math.* **156** (2008) 2924-2929.

Baron, R., Durieu, J., Haller, H. Savani, R. and Solal, P.

Good Neighbors are Hard to Find. *Review of Economic Design* **12** (2008) 1-19.

Batty, M., Casaccino, A., Duncan, A. J., Rees, S. E., and Severini, S.

An application of the Deutsch-Jozsa algorithm to formal languages and the word problem in groups. *Lect. Notes Comput. Sci.* **5106** (2008) 57-69.

Baur, K. and Marsh, R. J.

Frieze patterns for punctured discs. *J. Algebr. Comb.*, to appear. (With an appendix by Hugh Thomas). <http://dx.doi.org/10.1007/s10801-008-0161-0>

Behrisch, M., Coja-Oghlan, A., Kang, M.

The order of the giant component of random hyper graphs. *Random Struct. Algorithms*, to appear. <http://web.mac.com/aminco/papers/jlimit9.pdf>

Behrisch, M., Coja-Oghlan, A., Kang, M.

Local limit theorems and the number of connected hyper graphs. Preprint. <http://web.mac.com/aminco/papers/jbllt7.pdf>

Beineke L. W. and Wilson, R. J. (eds.)

Topics in Topological Graph Theory. *Encyclopedia of Mathematics and its Applications*, Cambridge University Press, in press.

Bell, F. K., Cvetković, D., Rowlinson, P. and Simić, S. K.

Graphs for which the least eigenvalue is minimal I. *Linear Algebra. Appl.* **429** (2008) 234-241. <http://dx.doi.org/10.1016/j.laa.2008.02.032>

Bell, F. K., Cvetković D., Rowlinson P. and Simić S. K.

Graphs for which the least eigenvalue is minimal II. *Linear Algebra. Appl.* **429** (2008) 2168-2179. <http://dx.doi.org/10.1016/j.laa.2008.06.018> (Erratum to appear).

Bell, F. K.

[see: Aouchiche M.]

Bell, J., Launois, S. and Lutley, J.

An automaton-theoretic approach to the representation theory of quantum algebras. Preprint. http://arxiv.org/PS_cache/arxiv/pdf/0901/0901.4707v1.pdf

Bell, J., Launois, S., Nguyen, N.

Dimension and enumeration of primitive ideals in quantum algebras. *J. Algebr. Comb.* **29** (2009) 269-294. <http://dx.doi.org/10.1007/s10801-008-0132-5>

Benevides, F. and Skokan, J.

The 3-colored Ramsey number of even cycles. *J. Comb. Theory Ser. B*, to appear.

Berenbrink, P., Elsässer, R. and Friedetzky, T.

Efficient randomised broadcasting in random regular networks with applications in peer-to-peer systems. *Proceedings of the Twenty-Seventh Annual ACM SIGACT-SIGOPS Symposium on Principles of Distributed Computing* (2008).

Berenbrink, P., Friedetzky, T. and Hu, Z.

A new analytical method for parallel, diffusion-type load balancing. *J. Parallel. Distrib. Comput.* **69** (2009) 54-61. <http://dx.doi.org/10.1016/j.jpdc.2008.05.005>

Berenbrink, P., Friedetzky, T., Hu, Z. and Martin, R.

On weighted balls-into-bins games. *Theor. Comput. Sci.* **409** (2008) 511-520.

Bernardi, O., Noy, M. and Welsh, D. J. A.

On the growth rate of minor-closed classes of graphs. Preprint.

<http://www.crm.es/Publications/08/Pr783.pdf>

Bhatti, F.

[see: Arrowsmith, D. K.]

Bian, L., Chen, X.-E., Li, J.-W., Woodall, D. R., Yao, B. and Zhang, Z.-F.

Adjacent strong edge colorings and total colorings of regular graphs.

Sci. China Ser. A: **52** (2009) 973-980.

Biane, P., Bougerol, P. and O'Connell, N.

Continuous crystals and Duistermaat-Heckman measure for Coxeter groups.

Preprint. http://arxiv.org/PS_cache/arxiv/pdf/0804/0804.2356v2.pdf

Bienert, R. and Klopsch, B.

Automorphism groups of cyclic codes. *J. Algebr. Comb.*, to appear.

http://arxiv.org/PS_cache/arxiv/pdf/0810/0810.3440v2.pdf

Biggins, J. D. and Penman, D. B.

Large deviations in random randomly coloured graphs. *Electron. Commun. Probab.*, to appear.

Biggs, N. L.

Chromatic Roots of the Quartic Mobius Ladders. Preprint.

<http://www.cdam.lse.ac.uk/Reports/Files/cdam-2008-05.pdf>

Biggs, N. L.

A Matrix Method for Flow Polynomials. Preprint.

<http://www.cdam.lse.ac.uk/Reports/Files/cdam-2008-08.pdf>

Biggs, N. L.

Tutte Polynomials of Bracelets. Preprint.

<http://www.cdam.lse.ac.uk/Reports/Files/cdam-2009-01.pdf>

Biggs, N. L.

Codes: An Introduction to Information Communication and Cryptography. Springer Undergraduate Mathematics Series.

Bilioti, M., Jha, V., Johnson, N. L. and Montinaro, A.

Two-transitive groups on a hyperbolic unital. *J. Comb. Theory Ser. A*. **115** (2008)

526-533. <http://dx.doi.org/10.1016/j.jcta.2007.07.005>

Bilo, D., Erlebach, T., Mihalak, M. and Widmayer, P.

Discovery of Network Properties with All-Shortest-Paths Queries. *Lect. Notes Comput. Sci.* **5058** (2008) 89-103.

<ftp://ftp.inf.ethz.ch/pub/publications/tech-reports/5xx/591.pdf>

Biró, P.

Student admissions in Hungary as Gale and Shapley envisaged. Submitted.

http://www.dcs.gla.ac.uk/publications/PAPERS/8999/ca_tr.pdf

Biró, P. and Fleiner, T.

The Integral stable allocation problem on graphs. Submitted.

http://www.dcs.gla.ac.uk/publications/PAPERS/8998/sa_tr.pdf

Biró, P., Manlove, D. F. and Mittal, S.

Size versus stability in the Marriage problem. *Lect. Notes Comput. Sci.* **5426** (2009)

15-28. <http://www.dcs.gla.ac.uk/publications/PAPERS/8904/minbp.pdf>

Biró, P. and McDermid, E.

Three-sided stable matchings with cyclic preferences. Submitted.

Björnberg, J. and Grimmett, G. R.

The phase transition of the quantum Ising model is sharp. Preprint.

<http://www.statslab.cam.ac.uk/~grg/papers/qimUS.pdf>

Blackburn, S. R.

Cryptanalysing the critical group: Efficiently solving Biggs's discrete logarithm problem. Preprint. <http://eprint.iacr.org/2008/170.pdf>

Blackburn, S. R.

A mathematical walk in Surrey. *British Society for the History of Mathematics Bulletin* **23** (2008) 178-180.

Blackburn, S. R., Etzion, T., Martin, K. M. and Paterson, M. B.

Efficient key predistribution for grid-based wireless sensor networks. *Lect. Notes Comput. Sci.* **5155** (2008) 54-69.

Blackburn, S. R., Etzion, T., Martin, K. M. and Paterson, M. B.

Distinct difference configurations: Multihop paths and key predistribution in sensor networks. Preprint. http://arxiv.org/PS_cache/arxiv/pdf/0811/0811.3896v1.pdf

Blackburn, S. R., Etzion, T., Martin, K. M. and Paterson, M. B.

Two-Dimensional Patterns with Distinct Differences - Constructions, Bounds, and Maximal Anticodes. Preprint.

http://arxiv.org/PS_cache/arxiv/pdf/0811/0811.3832v1.pdf

Blackburn, S. R., Etzion, T., Martin, K. M. and Paterson, M. B.

Key predistribution techniques for grid-based wireless sensor networks. Preprint.

<http://eprint.iacr.org/2009/014.pdf>

Blackburn, S. R., Etzion, T. and Ng, S.-L.

Prolific codes with the identifiable parent property., *SIAM J. Discrete Math.* **22** (2008) 1393-1410. <http://eprint.iacr.org/2007/276.pdf>

Blackburn, S. R., Etzion, T. and Ng, S.-L.

Traceability codes. Preprint. <http://eprint.iacr.org/2009/046.pdf>

Blackburn, S. R., Etzion, T., Stinson, D. R. and Zaverucha, G. M.

A bound on the size of separating hash families. *J. Comb. Theory Ser. A.* **115** (2008) 1246-1256. <http://eprint.iacr.org/2007/304.pdf>

Blackburn, S. R. and Gerke, S.

Connectivity of the Uniform Random Intersection Graph. *Discrete Math.*, to appear.

http://arxiv.org/PS_cache/arxiv/pdf/0805/0805.2814v2.pdf

Blackburn, S. R., Martin, K. M., Paterson, M. B. and Stinson, D. R.

Key refreshing in wireless sensor networks. *Lect. Notes Comput. Sci.* **5155** (2008) 156-170.

Blackburn, S. R. and Shparlinski, I.E.

On the average energy of circulant graphs. *Linear Algebra Appl.* **428** (2008) 1956-1963.

Blasiak, P., Duchamp, G.H.E., Horzela, A., Penson, K.A. and Solomon, A.I.

Heisenberg-Weyl algebra revisited: combinatorics of words and paths. *J. Phys. A: Math. Theor.* **41** (2008) 415204 <http://dx.doi.org/10.1088/1751-8113/41/41/415204>

Blasiak, P., Duchamp, G. H. E., Horzela, A., Penson, K. A. and Solomon, A. I.,

Laguerre-type derivatives: Dobinski relations and combinatorial identities. Submitted.

http://arxiv.org/PS_cache/arxiv/pdf/0904/0904.0369v1.pdf

Blum, A., Coja-Oghlan, A., Frieze, A. M., Zhou, S.

Separating populations with wide data: a spectral analysis. *Electron. J. Stat.* **3** (2009) 76-113. <http://dx.doi.org/10.1214/08-EJS289>

Bollobás, B., Janson, S. and Riordan, O. M.

Line-of-sight percolation. *Comb. Probab. Comput.* **18** (2009) 83-106

http://arxiv.org/PS_cache/math/pdf/0702/0702061v2.pdf

Bollobás, B., Kindler, G., Leader, I. B. and O'Donnell, R.

Eliminating cycles in the discrete torus. *Algorithmica* **50** (2008) 446-454.

<http://www.cs.cmu.edu/~odonnell/papers/eliminating-cycles.pdf>

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

- Cops and robbers in random graphs. Preprint.
http://arxiv.org/PS_cache/arxiv/pdf/0809/0809.1828v1.pdf
- Bollobás, B. and Riordan, O. M.**
 Percolation on dual lattices with k -fold symmetry. *Random Struct. Algorithms* **32** (2008) 463-472. http://arxiv.org/PS_cache/math/pdf/0606/0606149v2.pdf
- Bollobás, B. and Riordan, O. M.**
 Metrics for sparse graphs. To appear in: *Surveys in Combinatorics 2009* (S. Huczynska, J. D. Mitchell and C. M. Roney-Dougal, eds.). London Math. Soc. Lecture Note Ser. **365**. http://arxiv.org/PS_cache/arxiv/pdf/0708/0708.1919v3.pdf
- Bollobás, B. and Riordan, O. M.**
 Sparse graphs: metrics and random models. Preprint. ²
http://arxiv.org/PS_cache/arxiv/pdf/0812/0812.2656v2.pdf
- Bollobás, B., Janson, S. and Riordan, O. M.**
 The cut metric, random graphs, and branching processes. Preprint.
http://arxiv.org/PS_cache/arxiv/pdf/0901/0901.2091v1.pdf
- Bollobás, B., Janson, S. and Riordan, O. M.**
 Sparse random graphs with clustering. Preprint.
http://arxiv.org/PS_cache/arxiv/pdf/0807/0807.2040v1.pdf
- Bollobás, B.**
 [see: Balister, P., Balogh, J.]
- Bordewich, M., Dyer, M. E and Karpinski, M.**
 Path coupling using stopping times and counting independent sets and colorings in hypergraphs. *Random Struct. Algorithms* **32** (2008) 375-399
<http://www.dur.ac.uk/m.j.r.bordewich/papers/Bordewich2008-c.pdf>
- Bordewich, M., McCartin, C. and Semple, C.**
 A 3-approximation algorithm for the subtree distance between phylogenies.
J. Discrete Algorithms **6** (2008) 458-471. <http://dx.doi.org/10.1016/j.jda.2007.10.002>
- Borg, P. and Holroyd, F. C.**
 The Erdős-Ko-Rado properties of set systems defined by double partitions. *Discrete Math.*, in press. <http://dx.doi.org/10.1016/j.disc.2008.07.021>
- Borg, P. and Holroyd, F. C.**
 The Erdős-Ko-Rado property of various graphs containing singletons. *Discrete Math.*, to appear. <http://dx.doi.org/10.1016/j.disc.2008.07.021>
- Bougerol, P.**
 [see: Biane, P.]
- Bousquet, N., Daligault, J., Thomassé, S. and Yeo, A.**
 A Polynomial Kernel For Multicut In Trees. In STACS 2009 (2009) 183-194.
http://arxiv.org/PS_cache/arxiv/pdf/0902/0902.1047v1.pdf
- Bovdi, V. A. and Konovalov, A. B.**
 Integral Group Ring of the Mathieu Simple Group M_{23} . *Commun. Algebra* **36** (2008) 2670 - 2680. http://arxiv.org/PS_cache/math/pdf/0608/0608441v3.pdf
- Bovdi, V. A., Konovalov, A. B. and Linton, S. A.**
 Torsion units in integral group ring of the Mathieu simple group M_{22} . *LMS Journal of Computation and Mathematics* **11** (2008) 28-39.
<http://www.lms.ac.uk/jcm/11/lms2007-016/sub/lms2007-016.pdf>
- Bovdi, V. A., Konovalov, A. B. and Marcos, E.**

² This paper, and the one before it, are both (modified forms of) parts of the preprint “Sparse Graphs: Metrics and random models” in last year’s Bulletin.

Integral group ring of the Suzuki sporadic simple group. *Publ. Math. Debrecen* **72** (2008) 487-503. http://arxiv.org/PS_cache/arxiv/pdf/0803/0803.2215v1.pdf

Brak, R., Dyke, P., Lee, J., Owczarek, A. L., Prellberg, T., Rechnitzer, A. and Whittington, S. G.

A self-interacting partially directed walk subject to a force. *J. Phys. A* **42** (2009) 085001. <http://www.maths.qmw.ac.uk/~tp/papers/pub068.pdf>

Brandstädt, A., Klemmt, T., Lozin, V. V. and Mosca, R.

Independent sets of maximum weight in apple-free graphs. *Lect. Notes Comput. Sci.* **5369** (2008) 849-859.

Brandstädt, A., Klemmt, T., Lozin, V. V. and Mosca, R.

On independent vertex sets in subclasses of apple-free graphs. *Algorithmica*, to appear.

Brandstädt, A., Kratsch, D. and Müller, H. (editors).

Graph-Theoretic Concepts in Computer Science. 33rd International Workshop, WG 2007, 341pp. Springer 2008.

Bray, J. N., Holt, D. F. and Roney-Dougal, C. M.

The maximal subgroups of the low-dimensional classical groups. *Lond. Math. Soc. Lect. Note Ser.*, to appear.

Bray, J. N., Holt, D. F. and Roney-Dougal, C. M.

Certain classical groups are not well-defined. *J. Group Theory* **12** (2009) 171-180.

Briggs, K. M.

A note on sampling scale-free random graphs. *Philos. Trans. R. Soc. Lond., Ser. A* **366** (2008) 2078. <http://dx.doi.org/10.1098/rsta.2008.0011>

Briggs, K. M., Kelly, F. P. and Smith, M. (editors)

Networks: modelling and control. *Philos. Trans. R. Soc. Lond., Ser. A* **366** (2008)

Brightwell, G. R. and Georgiou, N.

Continuum limits for classical sequential growth models. *Random Struct. Algorithms*, to appear. <http://www.maths.bris.ac.uk/~maxng/contlim.pdf>

Brightwell, G. R., Henson, J. and Surya, S.

A 2D model of causal set quantum gravity: the emergence of the continuum. *Classical Quantum Gravity* **25** (2008) Article ID 105025.

Brightwell, G. R. and Luczak, M. J.

Order-invariant Measures on Causal Sets. Preprint.

http://arxiv.org/PS_cache/arxiv/pdf/0901/0901.0240v1.pdf

Brightwell, G. R. and Luczak, M. J.

Order-invariant Measures on Fixed Causal Sets. Preprint.

http://arxiv.org/PS_cache/arxiv/pdf/0901/0901.0242v1.pdf

Brightwell, G. R. and Massow, M.

Diametral Pairs of Linear Extensions. Preprint.

http://arxiv.org/PS_cache/arxiv/pdf/0809/0809.1828v1.pdf

Brignall, R.

A survey of simple permutations. *Lond. Math. Soc. Lect. Note Ser.*, to appear.

<http://www.maths.bris.ac.uk/~marlfb/papers/simples-survey.pdf>

Brignall, R., Huczynska, S. and Vatter, V.

Decomposing simple permutations, with enumerative consequences. *Combinatorica* **28** (2008) 385-400. <http://www.maths.bris.ac.uk/~marlfb/papers/simple-decomp.pdf>

Brignall, R., Ekhad, S., Smith, R., and Vatter, V.

Approximations to Permutation Classes. *Discrete Math.*, to appear.

<http://www.maths.bris.ac.uk/~marlfb/papers/almost.pdf>

Brignall, R.

[see: Albert, M. H.]

- Brimberg, J., Mladenović, N. and Urošević, D.**
Variable neighbourhood search for the k -cardinality subgraph problem. *J. Heuristics* **14** (2008) 501-517. <http://dx.doi.org/10.1007/s10732-007-9046-y>
- Brimberg, J., Mladenović, N., Ngai, E. and Urošević, D.**
Variable neighborhood search for the heaviest k -subgraph. *Comput. Oper. Res.*, to appear.
- Britnell, J. R. and Wildon M.**
On the distribution of conjugacy classes between the cosets of a finite group in a cyclic extension. *Bull. Lond. Math. Soc.* **40** (2008) 897-906.
<http://www.maths.leeds.ac.uk/~jrb/Cosets5.pdf>
- Britnell, J. R. and Wildon M.**
Commuting elements in conjugacy classes: An application of Hall's Marriage Theorem. *J. Group Theory*, to appear.
<http://www.maths.bris.ac.uk/~mazzmjw/Maths/LinkingCosets4.pdf>
- Broersma, H. J., Capponi, A. and Paulusma, D.**
A new algorithm for on-line coloring bipartite graphs. *SIAM J. Discrete Math.* **22** (2008) 72-91. <http://dx.doi.org/10.1137/060668675>
- Broersma, H. J., Fijavž, G., Kaiser, T., Kužel, R., Ryjáček Z. and Vrána, P.**
Contractible subgraphs, Thomassen's conjecture and the dominating cycle conjecture for snarks. *Discrete Math.* **308** (2008) 6064-6077.
<http://dx.doi.org/10.1016/j.disc.2007.11.026>
- Broersma, H. J., Erlebach, T., Friedetzky, T. and Paulusma, D. (editors)**
Proceedings of the 34th International Workshop on Graph-Theoretic Concepts in Computer Science (WG 2008). *Lect. Notes Comput. Sci.* **5344** (2008).
- Broersma, H. J., Fujisawa, J., Marchal, L., Paulusma, D., Salman, A. N. M. and Yoshimoto, K.**
 λ -Backbone colorings along pairwise disjoint stars and matchings. *Discrete Math.*, in press. <http://dx.doi.org/10.1016/j.disc.2008.04.007>
- Broersma, H. J., Hoede, C., Li, X., Still, G. and Wang, L.**
Some families of integral graphs. *Discrete Math.* **308** (2008) 6383-6391.
- Broersma, H. J., Johnson, M. and Paulusma, D.**
Upper bounds and algorithms for parallel knock-out numbers, *Theor. Comput. Sci.* **410** (2009) 1319-1327. <http://dx.doi.org/10.1016/j.tcs.2008.03.024>
- Broersma, H. J., Li, M. and Xiong, L.**
Connected even factors in claw-free graphs. *Discrete Math.* **308** (2008) 2282-2284.
<http://dx.doi.org/10.1016/j.disc.2007.04.058>
- Broersma, H. J., Li, X., Yao, X. and Zhou, W.**
Complexity of conditional colorability of graphs. *Appl. Math. Lett.* **22** (2009) 320-324
<http://dx.doi.org/10.1016/j.aml.2008.04.003>
- Broersma, H. J., Marchal, L., Paulusma, D. and Salman, A. N. M.**
Backbone colorings along stars and matchings in split graphs: their span is close to the chromatic number. *Discuss. Math. Graph Theory*, to appear.
- Broersma, H. J. and Paulusma, D.**
Computing sharp 2-factors in claw-free graphs. *Lect. Notes Comput. Sci.* **5162** (2008) 193-204. http://dx.doi.org/10.1007/978-3-540-85238-4_15
- Broersma, H.J. and Surahmat, E. T. Baskaro.**
The Ramsey numbers of large star and large star-like trees versus odd wheels. *J. Combin. Math. Combin. Comput.* **65** (2008) 153-162.
- Broersma, H. J. and Vumar, E.**
On hamiltonicity of P_3 -dominated graphs. *Math. Methods Oper. Res.*, in press.

<http://dx.doi.org/10.1007/s00186-008-0260-7>

Brown, R., Morris, I., Shrimpton, J. and Wensley, C. D.

Graphs of morphisms of graphs. *Electron. J. Combin.* **15** (2008) A1, 28 pp.

http://www.combinatorics.org/Volume_15/PDF/v15i1a1.pdf

Bryant, R. M. and Johnson, M.

Lie powers and Witt vectors. *J. Algebr. Comb.* **28** (2008) 169-187

<http://www.springerlink.com/content/g1253luj6n024404/>

Buchheim, C., Cameron, P. J., and Wu, T.

On the subgroup distance problem. *Discrete Math.* **309** (2009) 962-968.

<http://dx.doi.org/10.1016/j.disc.2008.01.036/>

Bulatov, A., Dyer, M. E., Goldberg, L. A., Jalsenius, M. and Richerby, D.

The Complexity of Weighted Boolean #CSP with Mixed Signs. Submitted.

<http://arxiv.org/abs/0812.4171>

Bulatov, A., Krokhnin A. and Larose, B.

Dualities for constraint satisfaction problems. *Lect. Notes Comput. Sci.* **5250** (2008)

93-124, <http://www.dur.ac.uk/andrei.krokhnin/papers/dualsurvey.pdf>

von Bünaú, P.

[see: Araújo, J.]

Bundy, D. and Hart, S.

The case of equality in the Livingstone-Wagner Theorem. *J. Algebr. Comb.* **29** (2009) 215-227.

Cain, A. J., Robertson, E. F., and Ruškuc, N.

Cancellative and Malčev presentations for finite Rees index subsemigroups and extensions. *J. Aust. Math. Soc.* **84** (2008) 39-61.

Cain, A. J., Oliver, G. P., Ruškuc, N. and Thomas, R. M.

Automatic presentations for cancellative semigroups. *Lect. Notes Comput. Sci.* **5196** (2008) 149-159. [http://www-history.mcs.st-](http://www-history.mcs.st-and.ac.uk/~alanc/publications/cort_apcancsg/cort_apcancsg.pdf)

[and.ac.uk/~alanc/publications/cort_apcancsg/cort_apcancsg.pdf](http://www-history.mcs.st-and.ac.uk/~alanc/publications/cort_apcancsg/cort_apcancsg.pdf)

Cain, A. J., Oliver, G. P., Ruškuc, N. and Thomas, R. M.

Automatic presentations for semigroups. *Inf. Comput.*, to appear.

http://www-history.mcs.st-and.ac.uk/~alanc/publications/cort_apsg/cort_apsg.pdf

Cain, A. J., Oliver, G. P., Ruškuc, N. and Thomas, R. M.

Automatic presentations for semigroup constructions. *Theor. Comput. Syst.*, to appear.

http://www-history.mcs.st-and.ac.uk/~alanc/publications/cort_const/cort_const.pdf

Cameron, P. J.

Designs (III.14, pp. 172-173) and Gödel's Theorem (V.15, pp. 700-702). In: *Princeton Companion to Mathematics* (W. T. Gowers, ed.), Princeton University Press, 2008.

Cameron, P. J.

Decompositions of complete multipartite graphs. *Discrete Math.* in press.

<http://dx.doi.org/10.1016/j.disc.2008.10.021>

Cameron, P. J., Johannsen, D., Prellberg, T. and Schweitzer, P.

Counting defective parking functions. *Electron. J. Comb.* **15** (2008) #R92 (15pp).

Cameron, P. J. and Kazanidis, P. A.

Cores of symmetric graphs. *J. Aust. Math. Soc.* **85** (2008) 145-154.

<http://dx.doi.org/10.1017/S1446788708000815>

Cameron, P. J. and Lockett, D.

Posets, homomorphisms and homogeneity. *Discrete Math.*, to appear.

Cameron, P. J., Prellberg, T. and Stark, D.

Asymptotic enumeration of 2-covers and line graphs. *Discrete Math.*, to appear.

Cameron, P. J., Riis, S. and Wu, T.

- On the guessing number of shift graphs, *J. Discrete Algorithms* **7** (2009) 220-226.
<http://dx.doi.org/10.1016/j.jda.2008.09.009>
- Cameron, P. J. and Tarzi, S.**
Limits of Cubes. *Topology Appl.* **155** (2008) 1454-1461.
<http://dx.doi.org/10.1016/j.topol.2008.03.022>
- Cameron, P. J. and Wu. T.**
The complexity of the weight problem for permutation and matrix groups. *Discrete Math.*, to appear.
- Cameron, P. J.**
[see: Applegate, R., Bailey, R. A., Bailey, R. F., Buchheim, C.]
- Camina, A. R; Gill, N.; Zaleskii, A. E.**
Large dimensional classical groups and linear spaces. *Bull. Belg. Math. Soc. - Simon Stevin* **15** (2008) 705-731. http://arxiv.org/PS_cache/math/pdf/0701/0701258v2.pdf
- Camina, R.**
Schemes and the IP graph. *J. Algebr. Comb.* **28** (2008) 271-279.
- Campbell, C. M.**
[see: Ahmadidelir, K.]
- Campero-Arena, G. and Truss, J. K.**
1-transitive cyclic orderings. *J. Comb. Theory Ser. A*, to appear.
- Capponi, A.**
[see: Broersma, H. J.]
- Cardoso D. M., Cvetković D., Rowlinson P. and Simić S. K.**
A sharp lower bound for the least eigenvalue of the signless Laplacian of a non-bipartite graph. *Linear Algebra Appl.* **429** (2008) 2770-2780.
<http://dx.doi.org/10.1016/j.laa.2008.05.017>
- Cardoso D. M. and Lozin, V. V.**
Dominating induced matchings. *Lect. Notes Comput. Sci.*, to appear.
- Cariolaro, D. and Hilton, A. J. W.**
An application of Tutte's theorem to 1-factorization of regular graphs of high degree, *Discrete Math.*, in press. <http://dx.doi.org/10.1016/j.disc.2008.05.046>
- Carlson, J., Neunhoffer, M. and Roney-Dougal, C. M.**
A polynomial-time reduction algorithm for groups of semilinear or subfield class. *J. Algebra*, to appear.
- Carvalho, C., Gray, R. and Ruškuc, N.**
Kernels of Finite Index in Inverse Semigroups. Submitted.
- Carvalho, C, Dalmau, V. and Krokhn, A.**
Caterpillar duality for constraint satisfaction problems LICS'08, 307-316, 2008.
<http://www.dur.ac.uk/andrei.krokhn/papers/caterdual-revised.pdf>
- Casaccino, A.**
[see; Batty, A.]
- Chang, J., Erlebach, T., Gailis R. and Khuller, S.**
Broadcast Scheduling: Algorithms and Complexity. *ACM Transactions on Algorithms*, to appear.
- Chapman, R. J.**
Lagrange inversion and Stirling number convolutions. *Integers* **8** (2008) A57 (electronic, 5pp). <http://www.integers-ejcnt.org/vol8.html>
- Chapman, R. J., Chow, T. Y., Khetan, A., Moulton, D. P. and Waters, R. J.**
Simple formulas for lattice paths avoiding certain periodic staircase boundaries. *J. Combin. Theory Ser. A.* **116** (2009) 205-214.
- Chapman, R. J. and Pan, H.**

- q -analogues of Wilson's theorem. *Int. J. Number Theory* **4** (2008) 539-547.
- Chapuy, G., Fusy, E., Kang, M. and Shoilekova, B.**
A complete grammar for decomposing a family of graphs into 3-connected components. *Electron J. Combin* **15** (2008) R48.
http://www.combinatorics.org/Volume_15/PDF/v15i1r148.pdf
- Chawla, S., Gupta, A. and Räcke, H.**
Embeddings of Negative-type Metrics and an Improved Approximation to Sparsest Cut. *ACM Transactions on Algorithms* **4** (2008).
- Chebolu, P. and Frieze, A. M.**
Hamilton cycles in random lifts of directed graphs. *SIAM J. Discrete Math.* **22** (2008) 520-540. <http://www.math.cmu.edu/~af1p/Textfiles/LiftHamDir.pdf>
- Chebolu, P., Frieze, A. M. and Melsted, P.**
Finding a Maximum Matching in a Sparse Random Graph in $O(n)$ Expected Time.
In: Proceedings of ICALP2008.
<http://www.math.cmu.edu/~af1p/Textfiles/ksmaxmatching.pdf>
- Chen, B. and Chen, X.**
Cost-effective Designs of Fault-tolerant Access Networks in communications systems. *Networks* (2009) <http://dx.doi.org/10.1002/net.20306>
- Chen, B. and Chen, X.**
Approximation algorithms for soft-capacitated facility location in capacitated network design. *Algorithmica* **53** (2009) 263-297.
<http://dx.doi.org/10.1007/s00453-007-9032-7>
- Chen, B., Chen, X. and Hu, X.-D.**
The Price of Atomic Selfish Ring Routing. *J. Comb. Opt.*, to appear.
<http://dx.doi.org/10.1007/s10878-008-9171-z>
- Chen, B., Wang, Z. and Xing, W.**
On-line service scheduling. *J. Sched.* **12** (2009) 31-43.
<http://dx.doi.org/10.1007/s10951-008-0075-7>
- Chen, X. and Mörters, P.**
Upper tails for intersection local times of random walks in supercritical dimensions. *J. London. Math. Soc.* **79** (2009) 186-210.
<http://people.bath.ac.uk/maspm/LMStail.pdf>
- Chen, X.**
[see: Chen, B.]
- Chen, X.-E.**
[see: Bian, L.]
- Cheng, C. McDermid, E. and Suzuki, I.**
A unified approach to finding good stable matchings in the hospitals/residents setting. *Theor. Comput. Sci.* **400** (2008) 84-99
- Chicot, K. M., Grannell, M. J., Griggs, T. S. and Webb, B. S.**
On sparse countably infinite Steiner triple systems. *J. Comb. Des.*, to appear.
- Chow, T. Y.**
[see: Chapman, R. J.]
- Christofides, D.**
Randomized algorithms for the majority problem. *Discrete Appl. Math.* **157** (2009) 1481-1485. <http://web.mat.bham.ac.uk/~christod/Papers/RandomizedMajority.pdf>
- Christofides, D., Keevash, P., Kühn, D. and Osthus, D.**
Finding Hamilton cycles in robustly expanding digraphs. Preprint.
<http://web.mat.bham.ac.uk/D.Kuehn/Expanded4.pdf>
- Christofides, D. and Markström, K.**

Random Latin square graphs. Submitted.

<http://web.mat.bham.ac.uk/~christod/Papers/Latin.pdf>

Chun, C.

[see: Aikin, J.]

Cichon, J., Mitchell, J. D., Morayne, M., and Peresse, Y.

Relative ranks of Lipschitz mappings on countable discrete metric spaces. Submitted.

<http://www-history.mcs.st-and.ac.uk/~jamesm/articles/lipschitz2-14.pdf>

Clapperton, J. A., Fennessey, E. J. and Larcombe, P. J.

On iterated generating functions for integer sequences and Catalan polynomials. *Util. Math.* **77** (2008) 3-33.

Clapperton, J. A., Fennessey, E. J., Larcombe, P. J., and Levrie, P.

A class of auto-identities for Catalan polynomials and Padé approximation. *Congr. Numerantium* **189** (2008) 77-95.

Cockayne, E. J. and Thomason, A. G.

An upper bound for the k -tuple domination number. *J. Comb. Math. Comb. Comput.* **64** (2008) 251-254.

Cohen, N., Fomin, F. V., Gutin, G., Kim, E. J., Saurabh, S. and Yeo, A.

Algorithm for Finding k -Vertex Out-trees and its Application to k -Internal Out-branching Problem. Preprint.

http://arxiv.org/PS_cache/arxiv/pdf/0903/0903.0938v1.pdf

Coja-Oghlan, A.

A better algorithm for random k -SAT. Preprint.

http://arxiv.org/PS_cache/arxiv/pdf/0902/0902.3583v1.pdf

Coja-Oghlan, A.

Graph partitioning via adaptive spectral techniques. Preprint.

<http://web.mac.com/aminco/papers/jcluster8.pdf>

Coja-Oghlan, A., Cooper, C. and Frieze, A. M.

An efficient regularity concept for sparse graphs and matrices. Proc. 20th SODA

(2009) 207-216. <http://web.mac.com/aminco/papers/jmatrix3.pdf>

Coja-Oghlan, A., Feige, U., Frieze, A. M., Krivelevich, M., Vilenchik, D.

On smoothed k -CNF formulas and the Walksat algorithm. Proc. 20th SODA (2009)

451-460. <http://www.math.tau.ac.il/~krivelev/smoothedSAT.pdf>

Coja-Oghlan, A. and Frieze, A. M.

Random k -SAT the limiting probability for satisfiability for moderately growing k .

Electron. J. Comb. **15** (2008) N2.

http://www.combinatorics.org/Volume_15/PDF/v15i1n2.pdf

Coja-Oghlan, A. and Kang, M.

The evolution of the min-min graph process. *Discrete Math.*, to appear.

<http://web.mac.com/aminco/papers/DMminmin.pdf>

Coja-Oghlan, A. and Lanka, A.

Partitioning random graphs with general degree distributions. Proc. 5th IFIP TCS

(2008) 127-141.

Coja-Oghlan, A. and Lanka, A.

Partitioning random graphs with general degree distributions. Preprint.

<http://web.mac.com/aminco/papers/xadapt2.pdf>

Coja-Oghlan, A. and Lanka, A.

The spectral gap of random graphs with given expected degrees. Preprint.

<http://web.mac.com/aminco/papers/skewed10.pdf>

Coja-Oghlan, A., Mossel, E. and Vilenchik, D.

A spectral approach to analysing Belief Propagation for 3-coloring. *Comb. Probab. Comput.*, to appear. http://arxiv.org/PS_cache/arxiv/pdf/0712/0712.0171v1.pdf

Coja-Oghlan, A., Panagiotou K. and Steger, A.
On the chromatic number of random graphs. *J. Comb. Theory Ser. B* **98** (2008) 980-993. <http://web.mac.com/aminco/papers/CNoSRG.pdf>

Coja-Oghlan, A.
[see: Achlioptas, D., Alon, N., Behrisch, M., Blum, A.]

Conder, M. D. E., Kwon, Y. S. and Širáň, J.
Reflexibility of regular Cayley maps for Abelian groups. *J. Comb. Theory. Ser. B* **99** (2009) 254-260.

Conlon, D.
A new upper bound for the bipartite Ramsey problem. *J. Graph Theory* **58** (2008) 351-356. <http://www.dpmms.cam.ac.uk/~dc340/Bipartite.pdf>

Conlon, D.
Hypergraph packing and sparse bipartite Ramsey numbers. *Comb. Probab. Comput.*, to appear. <http://www.dpmms.cam.ac.uk/~dc340/Sparse.pdf>

Conlon, D.
On the Ramsey multiplicity of complete graphs. *Combinatorica*, to appear. <http://www.dpmms.cam.ac.uk/~dc340/Multiplicity.pdf>

Conlon, D.
On-line Ramsey numbers. Submitted. <http://www.dpmms.cam.ac.uk/~dc340/Online4.pdf>

Conlon, D., Fox, J. and Sudakov, B.
Ramsey numbers of sparse hyper graphs. *Random Struct. Algorithms*, to appear. <http://www.dpmms.cam.ac.uk/~dc340/hypergraph-ramsey.pdf>

Conlon, D., Fox, J. and Sudakov, B.
Large almost monochromatic sets in hypergraphs. Submitted. <http://www.dpmms.cam.ac.uk/~dc340/hypergraph-discrepancy.pdf>

Conlon, D., Fox, J. and Sudakov, B.
Hypergraph Ramsey numbers. Submitted. <http://www.dpmms.cam.ac.uk/~dc340/OffDiagonal.pdf>

Conlon, D., Hàn, H, Persson, Y. and Schacht, M.
Weak quasi-randomness for uniform hypergraphs. Submitted. <http://www.dpmms.cam.ac.uk/~dc340/WeakRegularity2.pdf>

Consoli, S., Darby-Dowman, K., Mladenović, N. and Moreno, J.
Greedy randomized adaptive search and variable neighbourhood search for the minimum labelling spanning tree problem. *Eur. J. Oper. Res.* **196** (2009) 440-449.

Consoli, S., Darby-Dowman, K., Mladenović, N. and Moreno, J.
Variable neighbourhood search for the minimum labelling Steiner tree problem. *Ann. Oper. Res.*, in press. <http://hdl.handle.net/2438/1337>

Cooley, O.
Proof of the Loeb-Komlós-Sós conjecture for large, dense graphs. Submitted. <http://web.mat.bham.ac.uk/~cooleyo/LKS.pdf>

Cooley, O., Fountoulakis, N., Kühn, D. and Osthus, D.
3-uniform hypergraphs of bounded degree have linear Ramsey numbers. *J. Comb. Theory Ser. B* **98** (2008) 484-505. <http://web.mat.bham.ac.uk/D.Osthus/bdddeg12.pdf>

Cooley, O., Fountoulakis, N., Kühn, D. and Osthus, D.
Embeddings and Ramsey numbers of sparse k -uniform hyper graphs. *Combinatorica*, to appear. http://arxiv.org/PS_cache/math/pdf/0612/0612351v2.pdf

Cooper, C. and Frieze, A. M.

The cover time of the giant component of a random graph. *Random Struct. Algorithms* **32** (2008) 401-439. <http://www.math.cmu.edu/~af1p/Textfiles/Giant.pdf>

Cooper, C. and Frieze, A. M.

The cover time of random geometric graphs. Proceedings of SODA 2009, 48-57
<http://www.math.cmu.edu/~af1p/Textfiles/Geometric.pdf>

Cooper, C, Frieze, A. M. and Krivelevich, M.

Hamilton cycles in random graphs with a fixed degree sequence. Preprint.
<http://www.math.cmu.edu/~af1p/Textfiles/HamGnd.pdf>

Cooper, C. and Zito, M.

An analysis of the size of the minimum dominating sets in random recursive trees, using the Cockayne-Goodman-Hedetniemi algorithm. *Discrete Appl. Math.*, in press.
<http://dx.doi.org/10.1016/j.dam.2008.06.024>

Cooper, C.

[see: Coja-Oghlan, A.]

Corteel, S., Josuat-Vergès, M., Prellberg, T. and Rubey, M.

Matrix Ansatz, lattice paths and rook placements. Submitted.
<http://www.maths.qmw.ac.uk/~tp/papers/pub072pre.pdf>

Cossidente, A., and King, O.H.

On the geometry of the exceptional group $G_2(q)$, q even. *Des. Codes Cryptography*. **47** (2008) 145-157.

Courcelle, B., Gavoille, C., Kante, M. and Twigg, A.

Connectivity check in 3-connected planar graphs with obstacles. *Electron. Notes Discrete Math.* **31** (2008) 151-155. <http://dx.doi.org/10.1016/j.endm.2008.06.030>

Courcelle, B., Gavoille, C., Kante, M. and Twigg, A.

Optimal Labeling for Connectivity Checking in Planar Networks with Obstacles. Submitted.

<http://www.labri.fr/perso/courcell/ArticlesEnCours/CourcelleGavKanteTwigg.pdf>

Courcelle, B. and Twigg, A.

Constrained-path labellings on graphs of bounded clique-width. *Theory Comput. Syst.*, to appear.

Coutts, H. J., Quick, M. and Roney-Dougal, C. M.

The primitive permutation groups of degree less than 4096. Submitted.

http://www-groups.mcs.st-and.ac.uk/~martyn/research/prim_submitted.pdf

Creignou, N., Hermann, M., Krokhin A. and Salzer, G.

Complexity of clausal constraints over chains. *Theory Comput. Syst.* **42** (2008) 239-255. <http://www.dur.ac.uk/andrei.krokhin/papers/tocs06.pdf>

Croot, E. and Sisask, O.

A new proof of Roth's theorem on arithmetic progressions. *Proc. Am. Math. Soc.* **137** (2009) 805-809. http://arxiv.org/PS_cache/arxiv/pdf/0801/0801.2577v2.pdf

Cryan, M., Dyer, M., Müller, H. and Stougie, L.

Random walks on the vertices of transportation polytopes with constant number of sources. *Random Struct. Algorithms* **33** (2008) 333-355.

Cvetković D., Rowlinson, P. and Simić, S.

An Introduction to Spectral Graph Theory. LMS Student Texts Series, Cambridge University Press, to appear in 2009.

Cvetković D.

[see: Aouchiche M., Bell. F.K, Cardoso, D. M.]

Czumaj, A., Shapira, A. and Sohler, C.

- Testing hereditary properties of non-expanding bounded degree graphs. *SIAM J. Comput.* **38** (2009) 2499-2510. <http://dx.doi.org/10.1137/070681831>
- Czumaj, A. and Sohler, C.**
Testing Euclidean minimum spanning trees in the plane. *ACM Transactions on Algorithms* **4** (2008) <http://dx.doi.org/10.1145/1367064.1367071>
- Daligault, J., Gutin, G., Kim, E. J. and Yeo, A.**
FPT Algorithms and Kernels for the Directed k -Leaf Problem. Submitted.
<http://www.cs.rhul.ac.uk/~gutin/paperstsp/mlf311008.pdf>
- Daligault, J.**
[see: Bousquet, N.]
- Dalmau, V. and Krokhin, A.**
Majority constraints have bounded pathwidth duality. *Eur J. Comb.* **29** (2008) 821-837. http://www.dur.ac.uk/andrei.krokhin/papers/Dalmau_Krokhin_preprint.pdf
- Dalmau, V., Krokhin, A. and Larose, B.**
Retractions onto series-parallel posets. *Discrete Math.* **308** (2008) 2104-2114.
<http://www.dur.ac.uk/andrei.krokhin/papers/spposets.pdf>
- Dalmau, V.**
[see: Carvalho, C.]
- Darby-Dowman, K.**
[see: Consoli, S.]
- Darji, U. and Mitchell, J. D.**
Highly transitive subgroups of the symmetric group on the natural numbers. *Colloq. Math.* **112** (2008) 163-173.
- Davies, R. P., Perkins, S. and Roach, P. A.**
Automation of the Solution of Kakuro Puzzles. Research and Development in Intelligent Systems XXV: Proceedings of AI-2008, the Twenty-eighth SGAI International Conference on Artificial Intelligence, 219-232, December 2008, (Springer-Verlag, Bramer, M., Coenen, F. and Petridis, M. Eds.).
- Deineko, V., Jonsson, P., Klasson M. and Krokhin, A.**
The approximability of Max CSP with fixed-value constraints. *J. ACM* **55** (2008) Article No.16. <http://www.dur.ac.uk/andrei.krokhin/papers/jacm07-revised.pdf>
- Dereich, S. and Mörters, P.**
Random networks with sublinear preferential attachment: Degree evolutions. Submitted. <http://people.bath.ac.uk/maspm/network.pdf>
- Descalco, L. and Ruškuc, N.**
Properties of the subsemigroups of the bicyclic monoid. *Czech. Math. J.* **58** (2008) 311-330.
- Dietmann, R. and Elsholtz, C.**
Sums of two squares and one biquadrate. *Funct. Approx. Comment. Math.* **38** (2008) 233-234.
- Distler, A. and Kelsey, T. W.**
The Monoids of Orders Eight, Nine & Ten. *Ann. Math. Artif. Intell.*, to appear.
- Diwan, A. A.**
[see: Abreu, M.,]
- Dombi, E. and Ruškuc, N.**
On generators and presentations of semidirect products in inverse semigroups. *Bull. Austral. Math. Soc.* (2009) <http://dx.doi.org/10.1017/S0004972708000890>
- Donovan, D. M., Grannell, M. J., Griggs, T. S. and Lefevre, J. G.**
A constraint on the biembedding of Latin squares. *Eur. J. Comb* **30** (2009) 380-386.
<http://mcs.open.ac.uk/mjg47/Papers/constraint.pdf>

- Donovan, D. M., Drápal, A., Grannell, M. J., Griggs, T. S. and Lefevre, J. G.**
Quarter-regular biembeddings of Latin squares. Submitted.
- Donovan, D. M., Grannell, M. J. and Griggs, T. S.**
Third-regular biembeddings of Latin squares. Submitted.
- Donovan, D. M., Grannell, M. J., Griggs, T. S. and Lefevre, J. G.**
On parity vectors of Latin squares. Submitted.
- Doostie, H.**
[see: Ahmadidelir, K.]
- Dowden, J. M., Harrison, A., Kheniche, A. and Salhi, A.**
A Deterministic Algorithm for DNA Sequence Comparison. In: Proceedings of BIOCAMP'08, (H. R. Arabnia, M. Qu Yang, and J. Y. Yang, eds.), Volume II (2008) 848-854.
- Drápal, A. and Griggs, T. S.**
Homogeneous toroidal Latin bitrades. Submitted.
- Drápal, A.**
[see: Donovan, D. M.]
- Droste, M., Gray, R. and Truss, J. K.**
Construction of Some Uncountable 2-arc-transitive Bipartite Graphs. *Order* **25** (2008) 349-357. <http://dx.doi.org/10.1007/s11083-008-9098-0>
- Duchamp, G.H.E.**
[see: Blasiak, P.]
- Duffy, K., O'Connell, N. and Sapozhnikov, A.**
Complexity analysis of a decentralised graph colouring algorithm. *Inf. Process. Letters* **107** (2008) 60-63. <http://homepages.cwi.nl/~sapozhni/cfl.pdf>
- Dugdale, J. K., Fiorini, S., Gauci, J. B. and Hilton, A. J. W.**
Continuous k -to-1 functions between complete graphs of even order. *Discrete Math.*, in press. <http://dx.doi.org/10.1016/j.disc.2008.11.036>
- Duncan, A. J., Kazatchkov, I. V., and Remeslennikov, V. N.**
Orthogonal Systems in Finite Graphs. *Siberian Electronic Mathematical Reports* **5** (2008) 151-176. <http://semr.math.nsc.ru/v5.html>
- Duncan, A. J., Kazatchkov, I. V., and Remeslennikov, V. N.**
Stability of Universal Equivalence of Groups under Free Constructions. *Siberian Electronic Mathematical Reports*, to appear.
http://arxiv.org/PS_cache/arxiv/pdf/0804/0804.3205v1.pdf
- Duncan, A. J.**
[see: Batty, A.]
- Durieu, J.**
[see: Baron, R.]
- Dyer, M. E., Goldberg, L. A and Jerrum, M. R.**
Dobrushin conditions and systematic scan. *Comb. Probab. Comput.* **17** (2008) 761-779. <http://www.csc.liv.ac.uk/~leslie/papers/dobrushinJournalRevision.pdf>
- Dyer, M. E., Goldberg, L. A and Jerrum, M. R.**
Matrix norms and rapid mixing for spin systems. *Ann. Appl. Probab.* **19** (2009) 71-107. <http://dx.doi.org/10.1214/08-AAP532>
- Dyer, M. E., Goldberg, L. A and Jerrum, M. R.**
The Complexity of Weighted Boolean #CSP. *SIAM J. Comput.* **38** (2009) 1970-1986
<http://dx.doi.org/10.1137/070690201>
- Dyer, M. E., Goldberg, L. A and Jerrum, M. R.**
A complexity dichotomy for hypergraph partition functions. Submitted.
http://arxiv.org/PS_cache/arxiv/pdf/0811/0811.0037v1.pdf

Dyer, M. E.

[see under: Bordewich, M., Bulatov, A., Cryan, M]

Dyke, P.

[see: Brak, R.]

Edwards, K. J. and Farr, G. E.

Planarization and fragmentability of some classes of graphs. *Discrete Math.* **308**

(2008) 2396-2406.

<http://www.csse.monash.edu.au/~gfarr/research/planfrag-revised.pdf>

Eggemann, N., Havet, F. and Noble, S.D.

k - $L(2,1)$ -Labelling for Planar Graphs is NP-Complete for $k \geq 4$. Submitted.

Ekhad, S.

[see: Brignall, R.]

Elkind, E., Goldberg, L. A., Goldberg P. and Wooldridge, M.

A tractable and expressive class of marginal contribution nets and its applications.

Math. Log. Q., to appear³.

Ellis, D.

A proof of the Deza-Frankl conjecture. Preprint.

http://arxiv.org/PS_cache/arxiv/pdf/0807/0807.3115v2.pdf

Ellis, D.

Cross-intersecting families of permutations and the Cameron-Ku conjecture. Preprint.

http://arxiv.org/PS_cache/arxiv/pdf/0807/0807.3118v1.pdf

Ellis, D.

Note on generating all subsets of a finite set with disjoint unions. Preprint.

http://arxiv.org/PS_cache/arxiv/pdf/0811/0811.3022v2.pdf

Ellison, L. H. M.

[see: Anderson, I.]

Elsässer, R., Gaşieniec, L. and Sauerwald, T.

On Radio Broadcasting in Random Geometric Graphs. In DISC 2008 212-226.

http://dx.doi.org/10.1007/978-3-540-87779-0_15

Elsässer, R.

[see: Berenbrink, P.]

Elsholtz, C.

A survey on additive and multiplicative decompositions of sumsets and of shifted sets.

Preprint. <http://www.ma.rhul.ac.uk/~elsholtz/WWW/papers/papers29file03.pdf>

Elsholtz, C.

A combinatorial approach to sums of two squares and related problems. Invited paper, to appear.

Elsholtz, C.

[see: Dietmann, R.]

Elwes, R. and Macpherson, H. D.

A survey of asymptotic classes and measurable structures. In: Model theory and applications to algebra and analysis (Eds. Z. Chatzidakis, H.D. Macpherson, A. Pillay, A.J. Wilkie). Cambridge University Press, 2008.

Emms, J. and Evans, D. M.

Constructing continuum many countable, primitive, unbalanced digraphs. *Discrete Math.*, to appear.

Englert, M., Röglin, H., Spönemann, J., Vöcking, B.

³ Supercedes the preliminary version with the same title in last year's Bulletin.

- Economical Caching. Proceedings of the 26th International Symposium on Theoretical Aspects of Computer Science (STACS 09) 385-396 (2009).
- Epstein, L., Erlebach, T. and Levin, A.**
Variable Sized Online Interval Coloring with Bandwidth. *Algorithmica* **53** (2009) 385-401. [doi:10.1007/s00453-007-9071-0](https://doi.org/10.1007/s00453-007-9071-0)
- Erlebach, T. and van Leeuwen, E. J.**
Domination in Geometric Intersection Graphs. *Lect. Notes Comput. Sci.* **4957** (2008) 747-758.
- Erlebach, T. and Stefanakos, S.**
Routing to Reduce the Cost of Wavelength Conversion. *Discrete Appl. Math.* **156** (2008) 2911-2923. [doi:10.1016/j.dam.2007.12.001](https://doi.org/10.1016/j.dam.2007.12.001)
- Erlebach, T.**
[see: Bilo, D., Chang, J., Epstein, L.]
- Erlihson, M., Granovsky, B. and Stark, D.**
Meinardus' theorem on weighted partitions: extensions and a probabilistic proof. *Adv. Appl. Math.* **41** (2008) 307-328. <http://dx.doi.org/10.1016/j.aam.2007.11.001>
- Esperet, L.**
[see: Amini, O.]
- Essam, J. W. and Wu, F. Y.**
The exact evaluation of the corner-to-corner resistance of an $M \times N$ resistor network: Asymptotic expansion. *J. Phys. A* **42** (2009) 025205.
http://arxiv.org/PS_cache/arxiv/pdf/0809/0809.4867v3.pdf
- Essam, J. W.**
[see: Arrowsmith, D. K.]
- Etzion, T.**
[see: Blackburn, S. R.]
- Evans, D. M.**
[see: Emms, J.]
- Farr, G.E.**
[see: Edwards, K.J.]
- Feige, U.**
[see: Coja-Oghlan, A.]
- Fellows, M. R., Rosamond, F. A., Rotics, U. and Szeider, S.**
Cliques-Width is NP-complete. *SIAM J. Discrete Math.*, to appear.
<http://www.dur.ac.uk/stefan.szeider/abstract20.html>
- Feng, J., Giesen, H.-E., Guo, Y., Gutin, G., Jensen, T. and Rafiey, A.**
Characterization of edge-colored complete graphs with properly colored Hamilton paths. *J. Graph Theory*, to appear.
- Fennessey, E. J.**
[see: Clapperton, J. A.]
- Fernau, H. and Manlove, D. F.**
Vertex and edge covers with clustering properties: complexity and algorithms. *J. Discrete Algorithms*, to appear.
<http://www.dcs.gla.ac.uk/publications/PAPERS/8967/tvc.pdf>
- Fernandes, V. H., Jesus, M. M., Maltcev, V. and Mitchell, J. D.**
Endomorphisms of the semigroup of order-preserving mappings. Submitted.
<http://www-history.mcs.st-and.ac.uk/~jamesm/articles/endo4.pdf>
- Fiala, J. and Paulusma, D.**
Comparing universal covers in polynomial time. *Theor. Comput. Syst.*, to appear.
<http://dx.doi.org/10.1007/s00224-009-9200-z>

- Figueiredo, C. M. H, Machado, R. C. S. and Vušković, K.**
Chromatic index of graphs with no cycle with a unique chord.
<http://www.comp.leeds.ac.uk/vuskovi/ec-chord.pdf>
- Fijavž, G.**
[see: Broersma, H. J.]
- Fiorini, S.**
[see: Dugdale, J. K.]
- Fisher, E., Lachish, O., Matsliah, A., Newman, I., and Yahalom, O.**
On the Query Complexity of Testing Orientations for Being Eulerian. *Lect. Notes Comput. Sci.* **5171** (2008) 402-415. http://dx.doi.org/10.1007/978-3-540-85363-3_32
- Fleiner, T., Irving, R. W. and Manlove, D. F.**
An algorithm for a super-stable roommates problem. In Proceedings of Match-UP: Matching Under Preferences - Algorithms and Complexity, held at ICALP 2008, pages 126-132. <http://www.dcs.gla.ac.uk/publications/paperdetails.cfm?id=8633>
- Fleiner, T.**
[see: Biró, P.]
- Fleischmann, K., Mörters, P. and Wachtel, V.**
Moderate deviations for random walk in random scenery. *Stochastic Processes Appl.*, **118** (2008) 1768-1802. <http://people.bath.ac.uk/maspm/scenery.pdf>
- Fleischner, H., Mujuni, E., Paulusma, D. and Szeider, S.**
Covering graphs with few complete bipartite sub graphs. *Theor. Comput. Sci.*, to appear. <http://dx.doi.org/10.1016/j.tcs.2008.12.059>
- Fokkink, R.**
[see: Alpern, S.]
- Folgado, L.**
[see: Araújo, J.]
- Fomin, F. V.**
[see: Alon, N., Cohen, N.]
- Forbes, A. D., Grannell, M. J. and Griggs, T. S.**
Some further 6-sparse triple systems. *Graphs Comb.*, to appear.
- Forbes, A. D., Griggs, T. S. and Holroyd, F. C.**
Rhombicuboctahedron designs. *J. Comb. Math. Comb. Comput.*, to appear.
- Fountoulakis, N.**
Percolation on sparse random graphs with given degree sequence. *Internet Math.*, to appear. http://xxx.lanl.gov/PS_cache/math/pdf/0703/0703269v1.pdf
- Fountoulakis, N., Kang, R. and McDiarmid, C. J. H.**
The t -stability number of a random graph. Submitted.
http://xxx.lanl.gov/PS_cache/arxiv/pdf/0809/0809.0141v1.pdf
- Fountoulakis, N., Kühn, D. and Osthus, D.**
The order of the largest complete minor in a random graph. *Random Struct. Algorithms* **33** (2008) 127-141. <http://web.mat.bham.ac.uk/D.Osthus/hadwig9.pdf>
- Fountoulakis, N., Kühn, D. and Osthus, D.**
Minors in random regular graphs. *Random Struct. Algorithms*, to appear.
<http://web.mat.bham.ac.uk/D.Osthus/regmin16.pdf>
- Fountoulakis, N. and Reed, B. A.**
The evolution of the mixing rate of a simple random walk on the giant component of a random graph. *Random Struct. Algorithms* **33** (2008) 68-86.
<http://dx.doi.org/10.1002/rsa.20210>
- Fountoulakis, N.**
[see: Cooley, O.]

Fox, J., Keevash, P. and Sudakov, B.
Directed graphs without short cycles. Submitted.
<http://keevash.googlepages.com/rfree.pdf>

Fox, J.
[see: Conlon, D.]

Friedetzky, T.,
[see: Berenbrink, P.]

Frieze, A. M.
[see: Blum, A., Chebolu, P., Coja-Oghlan, A., Cooper, C.]

Fujisawa, J.
[see: Broersma, H. J.]

Fusy, E.
[see: Chapuy, G.]

Gailis R.
[see: Chang, J.]

Galbraith, S. D., Paterson, K. G. and Smart, N.P.
Pairings for cryptographers. *Discrete Appl. Math.* **156** (2008) 3113-3121.
<http://eprint.iacr.org/2006/165.pdf>

Gambardella, L. M., Montemanni, R. and Smith, D. H.
A Heuristic Manipulation Technique for the Sequential Ordering Problem. *Comput. Oper. Res.* **35** (2008) 3931-3944 <http://dx.doi.org/10.1016/j.cor.2007.05.003>

Garcia-González, C.G., Mladenović, N., Pérez-Brito, D. and Urošević, D.
Variable neighborhood search for bandwidth reduction. *Eur. J. Oper. Res.*, to appear.

Gaşieniec, L.
Deterministic Broadcasting in Radio Networks. In: *Encyclopedia of Algorithms* (2008)

Gaşieniec, L.
Randomized Gossiping in Radio Networks. In: *Encyclopedia of Algorithms* (2008)

Gaşieniec, L., Kantor, E., Kowalski, D. R., Peleg, D. and Su, C.
Time efficient k -shot broadcasting in known topology radio networks. *Distributed Computing* **21** (2008) 117-127. <http://dx.doi.org/10.1007/s00446-008-0058-0>

Gaşieniec, L., Klasing, R., Martin, R., Navarra, A. and Zhang, X.
Fast periodic graph exploration with constant memory. *Journal of Computer and System Science* **74** (2008) 808-822.
<http://www.csc.liv.ac.uk/~martin/Reprints/r-Robots.pdf>

Gaşieniec, L., Kowalski, D. R., Lingas, A. and Wahlen, M.
Efficient Broadcasting in Known Geometric Radio Networks with Non-uniform Ranges. In DISC 2008. http://dx.doi.org/10.1007/978-3-540-87779-0_19

Gaşieniec, L., Kowaluk, M. and Lingas, A.
Faster multi-witnesses for Boolean matrix multiplication. *Inf. Process Lett.* **109** (2009) 242-247. <http://dx.doi.org/10.1016/j.ipl.2008.10.012>

Gaşieniec, L. and Radzik, T.
Memory Efficient Anonymous Graph Exploration. *Lect. Notes. Comput. Sci.* **5344** (2008) 14-29. http://dx.doi.org/10.1007/978-3-540-92248-3_2

Gaşieniec, L., Su, C. and Wong, P. W. H.
Routing in Geometric Networks. In: *Encyclopedia of Algorithms* (2008)

Gaşieniec, L.
[see: Elsässer, R.]

Gauci, J. B.
[see: Dugdale, J. K.]

Gavoille, C.

[see: Courcelle, B.]

Georgiou, N.

[see: Brightwell, G. R.]

Gerke, S., Giminez, O., Noy, M. and Weissl, A.

On the number of graphs not containing $K_{3,3}$ as a minor. Preprint.

http://uk.arxiv.org/PS_cache/arxiv/pdf/0803/0803.4418v2.pdf

Gerke, S.

[see: Balister, P., Blackburn, S. R.]

Giesen, H.-E.

[see: Feng, J.]

Gill, N.

Transitive projective planes and insoluble groups. Preprint.

http://arxiv.org/PS_cache/arxiv/pdf/0903/0903.3302v1.pdf

Gill, N.

[see: Camina, A. R.]

Giminez, O.

[see: Gerke, S.]

Giulietti, M., Hirschfeld, J. W. P., Korchmáros, G. and Torres, F.

A family of curves covered by the Hermitian curve. *Sémin. Congr.* **21** (2009) 63-78.

<http://www.maths.sussex.ac.uk/Staff/JWPH/RESEARCH/ghkt2.ps>

Goldberg, L. A., Grohe, M., Jerrum, M. R. and Thurley, M.

A complexity dichotomy for partition functions with mixed signs. Proceedings of STACS 2009.

http://arxiv.org/PS_cache/arxiv/pdf/0804/0804.1932v2.pdf

Goldberg, L. A. and Jerrum, M. R.

Inapproximability of the Tutte polynomial. *Inf. Comput.* **206** (2008) 908-929

<http://dx.doi.org/10.1016/j.ic.2008.04.003>

Goldberg, L. A., Jerrum, M. R. and Karpinski, M.

The Mixing Time of Glauber Dynamics for Colouring Regular Trees. Submitted.

http://arxiv.org/PS_cache/arxiv/pdf/0806/0806.0921v1.pdf

Goldberg, L. A.

[see: Bulatov, A., Dyer, M.E., Elkind, E.]

Goldberg, P.

[see: Elkind, E.]

Goodall, A. J. and Noble, S. D.

Counting cocircuits and convex two-colourings is #P-complete. Preprint.

http://arxiv.org/PS_cache/arxiv/pdf/0810/0810.2042v1.pdf

Gordon, N. A. and Shaw, R.

The cubic Segre variety in $PG(5,2)$. *Des. Codes Cryptography* **51** (2009) 141-156.

Gottlob, G. and Szeider, S.

Fixed-Parameter Algorithms for Artificial Intelligence, Constraint Satisfaction, and Database Problems. *The Computer Journal* **51** (2008) 303-325.

<http://www.dur.ac.uk/stefan.szeider/abstract33.html>

Gowers, W. T.

Quasi-random groups. *Comb. Probab. Comput.* **17** (2008) 363-387.

http://uk.arxiv.org/PS_cache/arxiv/pdf/0710/0710.3877v1.pdf

Gowers, W. T.

Decompositions, approximate structure, transference, and the Hahn-Banach theorem.

Preprint. http://uk.arxiv.org/PS_cache/arxiv/pdf/0811/0811.3103v1.pdf

Graham, B. and Grimmett, G. R.

- Sharp thresholds for the random-cluster and Ising models. Preprint.
<http://www.statslab.cam.ac.uk/~grg/papers/boxUS.pdf>
- Graham, J. S., Montemanni, R., Moon, J. N. J. and Smith, D. H.**
 Frequency assignment, multiple interference and binary constraints. *Wireless Networks* **14** (2008) 149-164. <http://dx.doi.org/10.1007/s11276-006-0730-x>
- Grannell, M. J.**
 Some rigid Steiner 5-designs. Submitted.
- Grannell, M. J. and Griggs, T. S.**
 A lower bound for the number of triangular embeddings of complete graphs and complete regular tripartite graphs. *J. Comb. Theory Ser. B* **98** (2008) 637-650.
<http://mcs.open.ac.uk/mjg47/Papers/lowerbd1.pdf>
- Grannell, M. J., Griggs, T. S. and Knor, M.**
 Orientable biembeddings of Steiner triple systems of order 15. *J. Comb. Math. Comb. Comput.*, to appear. <http://mcs.open.ac.uk/mjg47/Papers/fiveorient.pdf>
- Grannell, M. J., Griggs, T. S. and Knor, M.**
 Biembeddings of symmetric configurations and 3-homogeneous Latin trades. *Commentat. Math. Univ. Carol.* **49** (2008) 411-420.
<http://mcs.open.ac.uk/mjg47/Papers/SIXREG.pdf>
- Grannell, M. J., Griggs, T. S. and Knor, M.**
 On biembeddings of Latin squares. Submitted.
- Grannell, M. J., Griggs, T. S., Knor, M. and Thrower A. R. W.**
 A census of the orientable biembeddings of Steiner triple systems of order 15. *Australas J. Combin.*, **42** (2008) 253-259.
<http://mcs.open.ac.uk/mjg47/Papers/allsts15orient.pdf>
- Grannell, M. J., Griggs, T. S., LoFaro, G. and Tripodi, A.**
 Small bowtie systems: an enumeration. *J. Comb. Math. Comb. Comput.*, to appear.
<http://mcs.open.ac.uk/mjg47/Papers/BOWTIE.pdf>
- Grannell, M. J., Griggs T. S., Máčajová, E. and Škoviera, M.**
 Wilson-Schreiber colourings of cubic graphs. Submitted.
- Grannell, M. J., Griggs, T. S. and Stanton, R. G.**
 Bounds on $g_1^{(5)}(v)$ for $v = 9, 13, 17 \pmod{20}$. *Util. Math.* **78** (2009) 79-92.
- Grannell, M. J. and Knor, M.**
 Biembeddings of Abelian groups. Submitted.
- Grannell, M. J. and Korzhik, V. P.**
 Orientable biembeddings of cyclic Steiner triple systems from current assignments on Möbius ladder graphs. *Discrete Math.*, to appear.
<http://mcs.open.ac.uk/mjg47/Papers/mobiuscurrents.pdf>
- Grannell, M. J.**
 [see: Chicot, K. M., Donovan, D. M., Forbes, A.D.]
- Granovsky, B.**
 [see: Erlihson, M.]
- Gray, R.**
 Hall's Condition and Idempotent Rank of Ideals of Endomorphism Monoids. *Proc. Edinb. Math. Soc.* **51** (2008) 1-16.
- Gray, R.**
 k -CS-transitive Infinite Graphs. *J. Comb. Theory Ser. B* **99** (2009) 378-398.
<http://dx.doi.org/10.1016/j.jctb.2008.07.008>
- Gray, R. and Macpherson, H. D.**
 Countable connected-homogeneous graphs. *J. Combin Theory Ser. B.*, to appear.
<http://www.amsta.leeds.ac.uk/Pure/staff/macpherson/hdm37.pdf>

- Gray, R. and Malheiro, A.**
Homotopy Bases and Finite Derivation Type for Subgroups of Monoids. Submitted.
- Gray, R. and Mitchell, J. D.**
Largest Subsemigroups of the Full Transformation Semigroup. *Discrete Math.* **308** (2008) 4801-4810.
<http://www-groups.mcs.st-and.ac.uk/~jamesm/articles/DM13338-revised.pdf>
- Gray, R. and Ruškuc, N.**
Green Index and Finiteness Conditions for Semigroups. *J. Algebra* **320** (2008) 3145-3164.
- Gray, R. and Ruškuc, N.**
On Residual Finiteness of Direct Products of Algebraic Systems. *Monatsh. Math.*, to appear.
- Gray, R. and Truss, J. K.**
Cycle-free partial orders and ends of graphs. *Math. Proc. Camb. Philos. Soc.*, to appear. <http://www.amsta.leeds.ac.uk/pure/staff/truss/CFPOsAndEnds.pdf>
- Gray, R. and Truss, J. K.**
Construction of some countable one-arc transitive bipartite graphs. *Discrete Math.* **308** (2008) 6392-6405. <http://dx.doi.org/10.1016/j.disc.2007.12.019>
- Gray, R.**
[see: Carvalho, C., Droste, M.]
- Grayland, A., Jefferson, D., Miguel, I. and Roney-Dougal, C. M.**
Minimal Ordering Constraints for some Families of Variable Symmetries. *Ann. Math. Artif. Intell.*, to appear.
- Grayland, A., Miguel, I. and Roney-Dougal, C. M.**
Confluence of reduction rules for lexicographic ordering constraints. Eighth International Workshop on Symmetry and Constraint Satisfaction Problems, 2008.
- Green, B. J.**
Sum-product phenomena in F_p : a brief introduction. Preprint.
http://uk.arxiv.org/PS_cache/arxiv/pdf/0904/0904.2075v1.pdf
- Green, B. J. and Sanders, T. W.**
Boolean functions with small spectral norm. *Geom. Funct. Anal.* **18** (2008) 144-162.
<http://www.arxiv.org/pdf/math.CA/0605524>
- Green, B. J. and Sisask, O.**
On the maximal number of three-term arithmetic progressions in subsets of Z/pZ . *Bull. Lond. Math. Soc.* **40** (2008) 945-955. <http://arxiv.org/pdf/0709.4432>
- Green, B. J. and Tao, T. C.**
Quadratic uniformity of the Möbius function. *Annales de l'Institut Fourier (Grenoble)*, **58** (2008) 1863-1935. http://arxiv.org/PS_cache/math/pdf/0606/0606087v2.pdf
- Green, B. J. and Tao, T. C.**
New bounds for Szemerédi's theorem, I: Progressions of length 4 in finite field geometries. *Proc. Lond. Math. Soc.*, to appear.
http://arxiv.org/PS_cache/math/pdf/0509/0509560v3.pdf
- Green, B. J. and Tao, T. C.**
New bounds for Szemerédi's theorem, II: improved bounds for $r_4(N)$. In: *Analytic number theory: essays in honour of Klaus Roth*. (W. W. L. Chen, W. T. Gowers, H. Halberstam, W. M. Schmidt, R. C. Vaughan, eds). Cambridge University Press, 2009. 180-204. http://arxiv.org/PS_cache/math/pdf/0610/0610604v1.pdf
- Green, B. J. and Tao, T. C.**

A note on the Freiman and Balog-Szemerédi-Gowers theorems in finite fields. *J. Aust. Math. Soc.* **86** (2009) 61-74. <http://dx.doi.org/doi:10.1017/S1446788708000359>

Green, B. J. and Tao, T. C.

Freiman's theorem in finite fields via extremal set theory. *Comb. Probab. Comput.* to appear. <http://dx.doi.org/10.1017/S0963548309009821>

Green, B. J. and Tao, T. C.

Linear equations in primes. *Ann. Math.*, to appear.

Green, B. J. and Wolf, J.

A note on Elkin's improvement of Behrend's construction. Submitted.

Griggs, T. S.

[see; Chicot, K. M., Donovan, D. M., Drápal, A., Forbes, A. D., Grannell, M. J.]

Grimmett, G. R.

Probability on graphs. Draft of book.

<http://www.statslab.cam.ac.uk/~grg/books/pgsUS.pdf>

Grimmett, G. R.

Space-time percolation. In: *In and Out of Equilibrium 2* (V. Sidoravicius and M. E. Vares, eds). Vol. 60 of 'Progress in Probability' series, Birkhäuser, Boston, 2008, 305-320. <http://www.statslab.cam.ac.uk/~grg/papers/cperc.pdf>

Grimmett, G. R.

Correlation inequalities of GKS type for the Potts model. Preprint.

<http://www.statslab.cam.ac.uk/~grg/papers/griffithsUS.pdf>

Grimmett, G. R. and Janson, S.

Random even graphs. *Electron. J. Combin.*, to appear.

<http://www.statslab.cam.ac.uk/~grg/papers/even1final.pdf>

Grimmett, G. R. and Janson, S.

Random graphs with forbidden vertex degrees. Preprint.

<http://www.statslab.cam.ac.uk/~grg/papers/even2.pdf>

Grimmett, G. R.

[see: Björnberg, J., Graham, B.]

Grimstead, I. J., Jones, S. K., Perkins, S. and Roach, P. A.

A Knowledge-Rich Approach to the Rapid Enumeration of Quasi-Magic Sudoku Search Spaces. Proceedings of ICAART 2009, the 1st International Conference on Agents and Artificial Intelligence, Porto, Portugal, 246-254, 19-21 January 2009, (INSTICC Press, Filipe, J., Fred, A. and Sharp, B. Eds.).

Grohe, M.

[see: Adler, I., Goldberg, L. A.]

Guo, Y.

[see: Feng, J.]

Gupta, A., van den Heuvel, J., Mañuch, J., Stacho, L., Zhao, X.

On the Complexity of Ordered Colorings. *SIAM J. Discrete Math.* **22** (2008) 832-847.

<http://dx.doi.org/10.1137/060676222>

Gupta, A.

[see: Chawla, S.]

Gutin, G.

Note on edge-colored graphs and digraphs without properly colored cycles. *Australas. J. Combin.* **42** (2008) 137-140.

<http://www.cs.rhul.ac.uk/~gutin/paperstsp/nopccycles1.pdf>

Gutin, G., Hell, P., Kim, E. J. and Yeo, A.

A Dichotomy for Minimum Cost Graph Homomorphisms. *Eur. J. Comb.* **29** (2008) 900-911. <http://www.cs.rhul.ac.uk/~gutin/paperstsp/bg121106.pdf>

- Gutin, G., Johnstone, A., Reddington, J., Scott, E., and Yeo, A.**
An algorithm for finding input-output constrained connected convex subgraphs of an acyclic digraph. *Lect. Notes Comput. Sci.* **5344** (2008) 206-217.
<http://www.cs.rhul.ac.uk/~gutin/paperstsp/ioc150908a.pdf>
- Gutin, G. and Kim, E. J.**
Complexity of the Minimum Cost Homomorphism Problem for Semicomplete Multipartite Digraphs with Possible Loops. *Discrete Appl. Math.*, to appear.
<http://www.cs.rhul.ac.uk/~gutin/paperstsp/mchwp1251107.pdf>
- Gutin, G. and Kim, E. J.**
Properly Coloured Cycles and Paths: Results and Open Problems. *Lect. Notes Comput. Sci.*, to appear. http://arxiv.org/PS_cache/arxiv/pdf/0805/0805.3901v3.pdf
- Gutin, G., Rafiey A. and Yeo, A.**
Minimum Cost Homomorphisms to Semicomplete Bipartite Digraphs. *SIAM J. Discrete Math.* **22** (2008) 1624-1639.
<http://www.cs.rhul.ac.uk/~gutin/paperstsp/sbdFinal.pdf>
- Gutin, G., Rafiey A. and Yeo, A.**
Minimum Cost Homomorphisms to Semicomplete Multipartite Digraphs. *Discrete Appl. Math.* **156** (2008) 2429-2435.
<http://www.cs.rhul.ac.uk/~gutin/paperstsp/mchsm140807.pdf>
- Gutin, G., Rafiey A. and Yeo, A.**
Minimum Cost Homomorphism Dichotomy for Oriented Cycles. *Lect. Notes Comput. Sci.* **5034** (2008) 224-234.
<http://www.cs.rhul.ac.uk/~gutin/paperstsp/orcycles200408.pdf>
- Gutin, G., Razgon, I. and Kim, E. J.**
Minimum Leaf Out-branching and Related Problems. *Lect. Notes Comput. Sci.* **5034** (2008) 235-246. <http://www.cs.rhul.ac.uk/~gutin/paperstsp/minleaf290808.pdf>
- Gutin, G., Szeider, S. and Yeo, A.**
Fixed-Parameter Complexity of Minimum Profile Problems. *Algorithmica* **52** (2008) 133-152. <http://www.cs.rhul.ac.uk/~gutin/paperstsp/prfjour051107.pdf>
- Gutin, G. and Yeo, A.**
On the number of connected convex subgraphs of a connected acyclic digraph. *Discrete Appl. Math.* **157** (2009) 1660-1662.
<http://www.cs.rhul.ac.uk/~gutin/paperstsp/ccsub2.pdf>
- Gutin, G. and Yeo, A.**
Some Parameterized Problems on Digraphs. *The Computer Journal* **51** (2008) 363-371. <http://www.cs.rhul.ac.uk/~gutin/paperstsp/dgsurvey100507.pdf>
- Gutin, G.**
[see: Alon, N., Balister, P. N., Bang-Jensen, J., Cohen, N., Daligault, J., Feng, Y.]
- Hall, R.**
On Contracting Hyperplane Elements from a 3-Connected Matroid. *Adv. Appl. Math.*, to appear. http://uk.arxiv.org/PS_cache/arxiv/pdf/0802/0802.3527v1.pdf
- Hall, R. and Mayhew, D.**
Contracting an element from a cocircuit. *Adv. Appl. Math.* **41** (2008) 510-529.
http://uk.arxiv.org/PS_cache/arxiv/pdf/0801/0801.2010v2.pdf
- Hall, R., Mayhew, D. and van Zwam, S. H. M.**
On Geelen's characterization of the near-regular matroids. Preprint.
http://uk.arxiv.org/PS_cache/arxiv/pdf/0902/0902.2071v2.pdf
- Hall, R.**
[see: Aikin, J.]
- Haller, H.**

[see: Baron, R.]

Hàn, H.

[see: Alon, N., Conlon, D.]

Hanafi, S., Lazić, J., Mladenović, N. and Urošević, D.

Variable Neighbourhood Decomposition Search for 0-1 Mixed Integer Programs
Comput. Oper. Res., to appear.

Hansen, J. and Jaworski, J.

A random mapping with preferential attachment. *Random Struct. Algorithms*, to appear. <http://www.ma.hw.ac.uk/~jennie/papers/prefer.pdf>

Hansen, J. and Jaworski, J.

Local Properties of Random Mappings with Exchangeable In-degrees.
Adv. Appl. Probab. **40** (2008) 183- 205.

<http://www.ma.hw.ac.uk/~jennie/papers/local.pdf>

Hansen, J. and Jaworski, J.

Random mappings with exchangeable in-degrees. *Random Struct. Algorithms* **33**
(2008) 105-126. <http://www.ma.hw.ac.uk/~jennie/papers/newmodel-rsa.pdf>

Hansen, J., Schmutz, E. and Sheng, L.

Covering Random Points in a Unit Ball. *Adv. Appl. Probab.* **40** (2008) 22-30.

<http://www.ma.hw.ac.uk/~jennie/papers/cover.pdf>

Hansen, P., Mladenović, N. and Oguz, C.

Variable neighbourhood search for minimum cost berth allocation. *European J. Oper. Res.* **191** (2008) <http://dx.doi.org/10.1016/j.ejor.2006.12.057>

Hansen, P.

[see: Aouchiche M.]

Harrison, A.

[see: Dowden, J. M.]

Hart, S.

[see: Bundy, D.]

Havas, G., Robertson, E. F. and Sutherland, D. C.

Behind and beyond a theorem on groups related to trivalent graphs. *J. Aust. Math. Soc.* **85** (2008) 323-332. <http://dx.doi.org/10.1017/S1446788708000852>

Havet, F., van den Heuvel, J., McDiarmid, C. and Reed, B.

List colouring squares of planar graphs. Submitted.

<http://www.cdam.lse.ac.uk/Reports/Files/cdam-2008-09.pdf>

Havet, F., Thomassé, S., and Yeo, A.

Hoàng-Reed conjecture holds for tournaments. *Discrete Math.* **308** (2008) 3412-3415.

Havet, F.

[see: Eggemann, N.]

Haxell, P., Łuczak, T., Peng, V., Rödl, V., Rucinski, A. and Skokan, J.

The Ramsey number for 3-uniform tight hypergraph cycles. *Comb. Probab. Comput.* **18** (2009) 165-203. <http://main2.amu.edu.pl/~rucinski/papers/PiP5.pdf>

Hell, P.

[see: Gutin, G.]

Henning, M. and Yeo, A.

Total domination in 2-connected graphs and in graphs with no induced 6-cycles. *J. Graph Theory* **60** (2009) 55-79. <http://dx.doi.org/10.1002/jgt.v60:1>

Henning, M. and Yeo, A.

Total domination in graphs with given girth. *Graphs Comb.* **24** (2008) 333-348.
<http://dx.doi.org/10.1007/s00373-008-0797-5>

Henning, M. and Yeo, A.

Girth and total domination in graphs. Submitted.

Henning, M. and Yeo, A.

Hypergraphs with large transversal number and with edge sizes at least 3. *J. Graph Theory* **59** (2008) 326-348.

Henning, M., Kang, L., Shan, E. and Yeo, A.

On matching and total domination in graphs. *Discrete Math.* **308** (2008) 2313-2318.

Henson, J.

[see: Brightwell, G. R.]

Hermann, M.

[see: Creignou, N.]

Hermiller, S., Holt, D. F., and Rees, S. E.

Groups whose geodesics are locally testable. *Int. J. Alg. Comput.* **18** (2008) 911-923.

<http://www.warwick.ac.uk/~mareg/download/papers/loctest>

Hetherington, T. J.

Edge-face choosability of near-outerplane graphs. *Bull. Inst. Combin. Appl.* **54** (2008) 33-46.

Hetherington, T. J. and Woodall, D. R.

List-colouring the square of a K_4 -minor-free graph. *Discrete Math.* **308** (2008) 4037-

4043. <http://dx.doi.org/10.1016/j.disc.2007.07.102>

van den Heuvel, J.

[see: Amini, O., Gupta, A., Havet, F.]

Hiệp Hàn, H.

[see: Alon, N.]

Higgs, M. B. J., Perkins, S. and Smith, D. H.

The construction of variable length codes with good synchronization properties. *IEEE Trans. Inf. Theory*, to appear.

Hilton, A. J. W.

Degree-bounded factorizations of bipartite multigraphs and of pseudographs. *Discrete Math.*, in press. <http://dx.doi.org/10.1016/j.disc.2008.09.041>

Hilton, A. J. W. and Spencer, C.

A generalization of Talbot's theorem about King Arthur and his Knights of the Round Table. *J. Comb. Theory. Ser. A.*, in press. <http://dx.doi.org/10.1016/j.jcta.2009.02.001>

Hilton, A. J. W.

[see: Cariolaro, D., Dugdale, J. K.]

Hirschfeld, J. W. P.

[see: Giulietti, M.]

Hoang, C., Kaminski, M., Lozin, V. V., Sawada, J. and Shu, X.

A note on k -colorability of P_5 -free graphs. *Lect. Notes Comput. Sci.* **5162** (2008) 387-394.

Hoang, C., Kaminski, M., Lozin, V. V., Sawada, J. and Shu, X.

Deciding k -colorability of P_5 -free graphs in polynomial time. *Algorithmica*, to appear.

http://arxiv.org/PS_cache/cs/pdf/0702/0702043v1.pdf

Hoede, C.

[see: Broersma, H. J.]

van 't Hof, P. and Paulusma, D.

A new characterization of P_6 -free graphs. *Discrete Appl. Math.*, to appear.

<http://www.durham.ac.uk/daniel.paulusma/Papers/Submitted/p6free.pdf>

van der Hofstad, R. and Luczak, M. J.

Random Subgraphs of the 2D Hamming Graph: the Supercritical Phase. *Probab. Theory. Relat. Fields*, to appear.

van der Hofstad, R., Mörters, P. and Sidorova, N.

Weak and almost sure limits for the parabolic Anderson model with heavy-tailed potentials. *Ann. Appl. Probab.* **18** (2008) 2450-2494.

<http://people.bath.ac.uk/maspm/AAP526.pdf>

Hoffmann, M. and Thomas, R. M.

Notions of hyperbolicity in monoids. *Theor. Comput. Sci.*, to appear.

Holmes, P. E., Linton, S. A., O'Brien, E. A., Ryba, A. J. E. and Wilson, R. A.

Constructive membership in black-box groups. *J. Group Theory* **11** (2008) 1747-763.

Holroyd, F. C.

[see: Borg, P., Forbes, A. D.]

Holt, D. F., Owens, M. D. and Thomas, R. M.

Groups and semigroups with a one-counter word problem. *J. Aust. Math. Soc.* **85** (2008) 197-209.

Holt, D. F. and Roney-Dougal, C. M.

Constructing maximal subgroups of orthogonal groups. Submitted.

Holt, D. F., Rees, S. E., and Shapiro M.

Groups that do and do not have growing context-sensitive word problem. *Int. J. Algebra Comput.* **18** (2008) 1179-1191.

Holt, D.F.

[see: Bray, J. N., Gilman, R. H., Hermiller, S.]

Horzela, A.

[see: Blasiak, P.]

Huczynska, S., Mitchell, J.D., and Roney-Dougal, C. M. (Editors)

Surveys in Combinatorics, 2009. *London Math. Soc. Lect. Note Ser.* **365** CUP (2009)

Huczynska, S.

[see: Brignall, R.]

Hu, X.-D.

[see: Chen, B.]

Hu, Z.

[see: Berenbrink, P.]

Hunter, P. and Kreutzer, S.

Digraph measures: Kelly decompositions, games, and orderings. *Theor. Comput. Sci* **399** (2008) 206-219.

<http://web.comlab.ox.ac.uk/people/Stephan.Kreutzer/Publications/07-tcs-kelly.pdf>

Ilić, A., Mladenović, N. and Urošević, D.

Variable neighborhood search for solving the uncapacitated single allocation p -hub median problem. Submitted.

Irving, J. and Rattan, A.

Minimal Factorizations of Permutations Into Star Transpositions. *Discrete Math.*, to appear. <http://www.maths.bris.ac.uk/~maxar/mypubs/startranspositions.pdf>

Irving, J. and Rattan, A.

The number of lattice paths below a cyclically shifting boundary. Preprint.

http://arxiv.org/PS_cache/arxiv/pdf/0712/0712.3213v1.pdf

Irving, R. W.

The stable marriage problem. Article 142 in *The Encyclopedia of Algorithms*. Springer (2008).

Irving, R. W.

Optimal stable marriage. Article 143 in *The Encyclopedia of Algorithms*, Springer (2008).

Irving, R. W.

Stable marriage problems with exchange restrictions. *J. Comb. Optim.* **16** (2008) 344-360.

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

Approximation algorithms for hard variants of the stable marriage and hospitals / residents problems. *J. Comb. Optim.* **16** (2008) 279-292.

http://www.dcs.gla.ac.uk/publications/PAPERS//8771/joco_five_thirds.pdf

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

Finding large stable matchings. *ACM Journal of Experimental Algorithmics*, to appear.

Irving, R. W., Manlove, D. F. and O'Malley, G.

Stable marriage with ties and bounded length preference lists. *J. Discrete Algorithms*, to appear. <http://www.dcs.gla.ac.uk/publications/PAPERS//8909/smti-bounded.pdf>

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

The stable marriage problem with master preference lists. *Discrete Appl. Math.* **156** (2008) 2959-2977.

http://www.dcs.gla.ac.uk/publications/PAPERS/8773/master_lists.pdf

Irving, R. W. and McDermid, E.

Popular matchings: structure and algorithms. Submitted.

<http://www.dcs.gla.ac.uk/people/personal/mcdermid/Popular.pdf>

Irving, R. W.

[see: Abraham, D.J., Čechlarova, K., Fleiner, T.]

Iwama, K., Nishimura, H., Paterson, M. S., Raymond, R. and Yamashita, S.

Polynomial-Time Construction of Linear Network Coding. *Lect. Notes Comput. Sci.* **5125** (2008) 272-282. http://dx.doi.org/10.1007/978-3-540-70575-8_23

Iyudu, N.

[see: Cameron, P. J.]

Jackson, B. and Jordán, T.

Pin-collinear body-and-pin frameworks and the molecular conjecture. *Discrete Comput. Geom.* **40** (2008) 258-278 <http://dx.doi.org/10.1007/s00454-008-9100-z>

Jackson, B. and Jordán, T.

On the rigidity of molecular graphs. *Combinatorica* **28** (2008) 645-658.

Jackson, B. and Jordán, T.

Brick partitions of graphs. *Discrete Math.*, in press.

<http://dx.doi.org/10.1016/j.disc.2008.09.034>

Jackson, B., Procacci, A. and Sokal, A. D.

Complex zero-free regions at large $|q|$ for multivariate Tutte polynomials (alias Potts-model partition functions) with general complex edge weights. Preprint.

http://uk.arxiv.org/PS_cache/arxiv/pdf/0810/0810.4703v1.pdf

Jackson, B. and Sokal, A. D.

Zero-free regions for multivariate Tutte polynomials (alias Potts-model partition functions) of graphs and matroids. Preprint.

http://uk.arxiv.org/PS_cache/arxiv/pdf/0806/0806.3249v1.pdf

Jackson, B.

[see: Abreu, M.]

Jalsenius, M.

Strong Spatial Mixing and Rapid Mixing with Five Colours for the Kagome Lattice. *LMS J. Comput. Math.*, to appear.

http://arxiv.org/PS_cache/math-ph/pdf/0701/0701043v2.pdf

Jalsenius, M. and Pedersen, K.

A Systematic Scan for 7-Colourings of the Grid. *International Journal of Foundations of Computer Science* **19** (2008) 1461-1477.

http://arxiv.org/PS_cache/arxiv/pdf/0704/0704.1625v3.pdf

Jalsenius, M.

[see: Bulatov, A.]

Janse van Rensburg, E. J., Prellberg, T. and Rechnitzer, A.

Partially directed paths in a symmetric wedge. *J. Comb. Theory Ser A.* **115** (2008) 623-650.

Janson, S. and Luczak, M. J.

A New Approach to the Giant Component Problem. *Random Struct. Algorithms.*

34 (2008) 197-216. <http://www.math.uu.se/~svante/papers/sj204.pdf>

Janson, S. and Luczak, M. J.

Asymptotic Normality of the k -Core in Random Graphs. *Ann. Appl. Probab.* **18** (2008)

1085-1137. <http://www.math.uu.se/~svante/papers/sj196-AAP478.pdf>

Janson, S. and Luczak, M. J.

Susceptibility in subcritical random graphs. *J. Math. Phys.* **49** (2008) 125207

<http://www.math.uu.se/~svante/papers/sj218-JMP.pdf>

Janson, S. and Thomason, A. G.

Dismantling sparse random graphs. *Comb. Probab. Comput.* **17** (2008) 259-264.

<http://www.math.uu.se/~svante/papers/sj205-AAP490.pdf>

Janson, S.

[see: Addario-Berry, L., Bollobás, B., Grimmett, G. R.]

Jansson, J.

[see: Czyzowicz, J.]

Jaworski, J. and Stark, D.

The vertex degree distribution of passive random intersection graph models.

Comb. Probab. Comput. **17** (2008) 549-558.

<http://dx.doi.org/10.1017/S0963548308009103>

Jaworski, J.

[see: Hansen, J.]

Jefferson, D.

[see: Grayland, A.]

Jensen, T.

[see: Feng, J.]

Jerrum, M. R.

[see: Dyer, M. E., Goldberg, L. A.]

Jesus, M. M.

[see: Fernandes, V. H.]

Jha, V.

[see: Bilioti, M.]

Johannsen, D.

[see: Cameron, P. J.]

Johnson, J. R.

Universal cycles for permutations. *Discrete Math.*, to appear.

<http://dx.doi.org/10.1016/j.disc.2007.11.004>

Johnson, J. R. and Talbot, J.

G-intersection theorems for matchings and other graphs, *Comb. Probab. Comput.* **17**

(2008) 559-575 <http://dx.doi.org/10.1017/S0963548308009206>

Johnson, J. R. and Talbot, J.

Vertex Turán problems in the hypercube. Preprint.

http://uk.arxiv.org/PS_cache/arxiv/pdf/0904/0904.1479v1.pdf

Johnson, J. R.

[see: Balister, P.]

Johnson, M.

[see: Broersma, H. J., van den Heuvel, J.]

Johnson, M.

[see: Bryant, R. M.]

Johnson, N. L.

[see: Bilioti, M.]

Johnstone, A.

[see: Balister, P. N., Gutin, G.]

Jones, R. A., Perkins, S., Sanusi, S. O. and Smith, D. H.

The application of frequency assignment techniques in spreading code assignment, submitted.

Jones, S. K.

[see: Grimstead, I. J.]

Jonsson, P. and Krokkin, A.

Computational complexity of auditing discrete attributes in statistical databases.

Journal of Computer and System Sciences **74** (2008) 898-909.

<http://www.dur.ac.uk/andrei.krokkin/papers/jcss2008.pdf>

Jonsson, P.

[see: Deineko, V.]

Jordan, T., Kesseböhmer, M., Pollicott, M. and Stratmann, B.

Sets of non-differentiability for conjugacies between expanding interval maps.

Submitted.

Jordán, T.

[see: Jackson, B.]

Josuat-Vergès, M.

[see: Corteel, S.]

Jurdzinski, M., Paterson, M. S. and Zwick, U.

A deterministic subexponential algorithm for solving parity games. *SIAM J. Comput.*,

38 (2008) 1519. <http://dx.doi.org/10.1137/070686652>

Jurdzinski, M. and Savani, R.

A simple P-matrix linear complementarity problem for discounted games.

Computability in Europe (CiE) 283-293 (2008).

<http://www.dcs.warwick.ac.uk/~mju/Papers/JS08-CiE.pdf>

Kaiser, T.

[see: Broersma, H. J.]

Kala, V. and Keedwell, A. D.

Addendum to: The existence of Buchsteiner and conjugacy-closed quasigroups. *Eur. J.*

Comb. **30** (2009) 1386.

Kaminski, M., Lozin, V. V. and Milanic, M.

Recent developments on graphs of bounded clique-width. *Discrete Appl. Math.*, to

appear. http://rutcor.rutgers.edu/pub/rrr/reports2007/6_2007.pdf

Kaminski, M.,

[see: Hoang, C.]

Kang, L.

[see: Henning, M.]

Kang, M.

[see: Alon, N., Chapuy, G., Coja-Oghlan, A., Behrisch, M.]

Kang, R. and McDiarmid, C.

The t -improper chromatic number of random graphs. Preprint.

http://arxiv.org/PS_cache/arxiv/pdf/0809/0809.4726v1.pdf

Kante, M.

[see: Courcelle, B.]

Kantor, E.

[see: Gasieniec, L.]

Karpinski, M.

[see: Bordewich, M., Goldberg, L. A.]

Kazanadis, P. A.

[see: Cameron, P. J.]

Kazatchov, I. V.

[see: Duncan, A. J.]

Keedwell, A. D.

When is it hard to show that a quasigroup is a loop? *Commentat. Math. Univ. Carol.* **49** (2008) 241-247.

Keedwell, A. D.

The existence of Buchsteiner and conjugacy-closed quasigroups. *Eur. J. Comb.* **30** (2009) 1382-1385. <http://dx.doi.org/10.1016/j.ejc.2008.09.025>

Keedwell, A. D.

Realizations of loops and groups defined by short identities. *Commentat. Math. Univ. Carol.*, to appear.

Keedwell, A. D.

[see: Kala, V.]

Keevash, P.

Shadows and intersections: stability and new proofs. *Adv. Math.* **218** (2008) 1685-1703. <http://dx.doi.org/10.1016/j.aim.2008.03.023>

Keevash, P.

A hypergraph regularity method for generalised Turan problems. *Random Struct. Algorithms* **34** (2009) 123-164. <http://dx.doi.org/10.1002/rsa.v34:1>

Keevash, P.

A hypergraph blowup lemma. Submitted.

<http://keevash.googlepages.com/hyp-blowup.pdf>

Keevash, P., Kühn, D., Mycroft R. and Osthus, D.

Loose Hamilton cycles in hypergraphs. Submitted.

<http://keevash.googlepages.com/loose-cycles.pdf>

Keevash, P., Kühn, D. and Osthus, D.

An exact minimum degree condition for Hamilton cycles in oriented graphs. *J. London Math. Soc.* **79** (2009) 144-166. <http://dx.doi.org/10.1112/jlms/jdn065>

Keevash, P. and Mubayi, D.

Set systems without a simplex or a cluster, *Combinatorica*, in press.

<http://keevash.googlepages.com/simplexcluster.pdf>

Keevash, P. and Sudakov, B.

Triangle packings and 1-factors in oriented graphs. Submitted.

<http://keevash.googlepages.com/1factor.pdf>

Keevash, P. and Sudakov, B.

Pancyclicity of Hamiltonian and highly connected graphs. Preprint.

http://uk.arxiv.org/PS_cache/arxiv/pdf/0903/0903.4567v1.pdf

Keevash, P.

[see: Christofides, D., Fox, J.]

Kelly, F. P.

The mathematics of traffics in networks. In: *The Princeton Companion to Mathematics* (Editor Timothy Gowers; June Barrow-Green and Imre Leader, associate editors). Princeton University Press, 2008.

<http://www.statslab.cam.ac.uk/~frank/PAPERS/princeton.html>

Kelly, F. P.

[see: Briggs, K. M.]

Kelly, L., Kühn, D. and Osthus, D.

A Dirac type result on Hamilton cycles in oriented graphs. *Comb. Probab. Comput.*, **17** (2008), 689-709. <http://web.mat.bham.ac.uk/D.Osthus/orienthc3.pdf>

Kelly, L., Kühn, D. and Osthus, D.

Cycles of given length in oriented graphs. Submitted.

<http://web.mat.bham.ac.uk/D.Osthus/cycles4.pdf>

Kelsey, T. W.

[see: Distler, A.]

Kesseböhmer, M. and Stratmann, B. O.

Fractal analysis for sets of non-differentiability of Minkowski's question mark function. *J. Number Theory* **128** (2008) 2663-2686

http://arxiv.org/PS_cache/arxiv/pdf/0706/0706.0453v2.pdf

Kesseböhmer, M. and Stratmann, B. O.

Hölder-differentiability of Gibbs distribution functions. *Math. Proc. Camb. Phil. Soc.*, to appear. http://arxiv.org/PS_cache/arxiv/pdf/0711/0711.4698v1.pdf

Kesseböhmer, M. and Stratmann, B. O.

On the Lebesgue measure of sum-level sets for continued fractions. Submitted.

http://arxiv.org/PS_cache/arxiv/pdf/0901/0901.1787v1.pdf

Kesseböhmer, M.

[see: Jordan, T.]

Key, J. D., Mavron, V. C. and McDonough, T. P.

An upper bound for the minimum weight of the dual codes of desarguesian planes. *Eur. J. Comb.* **30** (2009) 220-229. <http://dx.doi.org/10.1016/j.ejc.2008.01.003>

Kheniche, A.

[see: Dowden, J. M.]

Khetan, A.

[see: Chapman, R. J.]

Khuller, S.

[see: Chang, J.]

Kikuta, K.

[see: Alpern, S.]

Kim E. J.

[see: Cohen, N., Daligault, J., Gutin, G.]

Kindler, G.

[see: Bollobás, B.]

King, O. H.

[see: Cossidente, A.]

Klasing, R.

[see: Gaşieniec, L.]

Klasson M.

[see: Deineko, V.]

Klembt, T.

[see: Brandstädt, A.]

Kloks, T., Müller, H. and Vušković, K.

Even-hole-free graphs that do not contain diamonds: a structure theorem and its consequences. *J. Comb. Theory Ser. B*, to appear.

<http://www.comp.leeds.ac.uk/vuskovi/diamond.ps>

Klopsch, B.

[see: Bienert, R.]

Knor, M. and Širáň, J.

Regular Hamiltonian embeddings of $K_{n,n}$ and regular triangular embeddings of $K_{n,n,n}$. *Discrete Math.* **308** (2008) 4796-4800. <http://dx.doi.org/10.1016/j.disc.2007.08.069>

Knor, M.

[see: Grannell, M. J.]

Kohayakawa, Y., Simonovits, M. and Skokan, J.

The 3-colored Ramsey Number of Odd Cycles. Preprint.

<http://www.cdam.lse.ac.uk/Reports/Files/cdam-2008-16.pdf>

König, W., Lacoïn, H., Mörters, P. and Sidorova, N.

A two cities theorem for the parabolic Anderson model. *Ann. Probab.* **37** (2009) 347–392. <http://people.bath.ac.uk/maspm/twocities.pdf>

Konovalov, A. B.

[see: Bovdi, V. A.]

Korchmáros, G.

[see: Giulietti, M.]

Korpelainen, N.

A Polynomial-time Algorithm for the Dominating Induced Matching Problem in the Class of Convex Graphs. *Electron. Notes Discrete Math.* **32** (2009) 133-140.

Korzhik, V. P.

[see: Grannell, M.J.]

Kostochka, A. V., Özkahya, L. and Woodall, D. R.

A Brooks-type bound for squares of K_4 -minor-free graphs. Submitted.

Kotecký, R., Salas, J. and Sokal, A. D.

Phase transition in the 3-state Potts antiferromagnet on the diced lattice. *Phys. Rev. Letters* **101** (2008) <http://www.cts.cuni.cz/~kotecky/publ/KSS-PRL08.pdf>

Kowalski, D. R.

[see: Gaşieniec, L.]

Kowaluk, M.

[see: Gaşieniec, L.]

Kratsch, D. and Müller, H.

On a property of minimal triangulations. *Discrete Math.* **309** (2009) 1724-1729.

<http://dx.doi.org/10.1016/j.disc.2008.01.048>

Kratsch, D., Müller, H. and Todinca, I.

Feedback vertex set on AT-free graphs. *Discrete Appl. Math.* **156** (2008) 1936-1947.

Kratsch, D.

[see: Brandstädt, A.]

Kreutzer, S.

Algorithmic Meta-theorems. To appear.

<http://web.comlab.ox.ac.uk/people/Stephan.Kreutzer/Publications/amt-survey.pdf>

Kreutzer, S.

On the Parameterised Intractability of Monadic Second-Order Logic. Submitted.

<http://web.comlab.ox.ac.uk/people/Stephan.Kreutzer/Publications/courcelle-lowerbounds.pdf>

Kreutzer, S. and Ordyniak, S.

Digraph decompositions and Monotonicity in Digraph Searching. To appear in

WG34 proceedings.

<http://web.comlab.ox.ac.uk/people/Stephan.Kreutzer/Publications/08-digraph-searching-preprint.pdf>

Kreutzer, S.

[see: Adler, I., Hunter, P.]

Krivelevich, M.

[see: Alon, N., Coja-Oghlan, A., Cooper, C.]

Krokhin, A. and Marx, D.

On the hardness of losing weight. *Lect. Notes Comput. Sci.* **5125** 662-673.

<http://www.dur.ac.uk/andrei.krokhin/papers/localcsp7.pdf>

Krokhin, A. and Larose, B.

Maximizing supermodular functions on product lattices, with application to maximum constraint satisfaction. *SIAM J. Discrete Math.* **22** (2008) 312-328.

<http://www.dur.ac.uk/andrei.krokhin/papers/sfmlat-revised.pdf>

Krokhin, A.

[see: Bulatov, A., Carvalho, C., Creignou, N., Dalmau, V., Deineko, V., Jonsson, P.]

Kühn, D., Mycroft, R. and Osthus, D.

Hamilton l -cycles in k -graphs. Preprint.

<http://web.mat.bham.ac.uk/D.Kuehn/tight-cycles4.pdf>

Kühn, D. and Osthus, D.

The minimum degree threshold for perfect graph packings. *Combinatorica* **29** (2009) 65-107. <http://web.mat.bham.ac.uk/D.Kuehn/Hpackconst4.pdf>

Kühn, D. and Osthus, D.

Linkedness and ordered cycles in digraphs. *Comb. Probab. Comput.* **17** (2008)

411-422. <http://web.mat.bham.ac.uk/D.Kuehn/dilinked6.pdf>

Kühn, D. and Osthus, D.

Embedding large subgraphs into dense graphs. In: *Surveys in Combinatorics 2009* (S. Huczynska, J. D. Mitchell and C. M. Roney-Dougal, eds.), London Math. Soc. Lecture Note Ser. **365**, Cambridge University Press (2009).

<http://web.mat.bham.ac.uk/D.Kuehn/bcc09dkdo2.pdf>

Kühn, D., Osthus, D. and Treglown, A.

An Ore-type theorem for perfect packings in graphs. Submitted.

<http://web.mat.bham.ac.uk/D.Kuehn/orepackings10.pdf>

Kühn, D., Osthus, D. and Young, A.

k -ordered Hamilton cycles in digraphs. *J. Comb. Theory Ser. B* **98** (2008)

1165-1180. <http://web.mat.bham.ac.uk/D.Kuehn/diordham4.pdf>

Kühn, D.

[see: Christofides, D., Cooley, O., Fountoulakis, N., Keevash, P., Kelly, L.]

Kun, G.

[see: Bollobás, B.]

Kužel, R.

[see: Broersma, H. J.]

Kwon, Y. S.

[see: Conder, M. D. E.]

Labbate, D.

[see: Abreu, M.]

Lachish, O.

[see: Aziz, H., Fisher, E.]

Lacoin, H.

[see: König, W.]

Lanka, A.

[see: Coja-Oghlan, A.]

Larcombe, P. J.

[see: Clapperton, J. A.]

Larose, B.

[see: Bulatov, A., Dalmau, V., Krokhin, A.]

Launois, S.

[see: Bell, J.]

Lazić, J.

[see: Hanafi, S.]

Le, V. B., Mosca, R. and Müller, H.

On stable cutsets in claw-free graphs and planar graphs. *J. Discrete Algorithms* **6** (2008) 256-276. <http://dx.doi.org/10.1016/j.jda.2007.04.001>

Leader, I. B.

[see: Bollobás, B.]

Lee, J.

[see: Brak, R.]

van Leeuwen, E. J.

[see: Erlebach, T.]

Lefevre, J. G.

[see: Donovan, D. M.]

Levenstein, V. and Siemons, I. J.

Error graphs and the reconstruction of elements in groups. *J. Comb. Theory. Ser. A.* **116** (2009) 795-815. <http://dx.doi.org/10.1016/j.jcta.2008.11.005>

Levin, A., Paulusma, D. and Woeginger, G. J.

The computational complexity of graph contractions II: two tough polynomially solvable cases. *Networks* **52** (2008) 32-56. <http://dx.doi.org/10.1002/net.20249>

Levin, D. and Wildon, M.

A combinatorial method for calculating the moments of Lévy area. *Trans. Am. Math. Soc.* **360** (2008) 6695-6709. <http://www.maths.bris.ac.uk/~mzmjw/Maths/Lévy.pdf>

Levrie, P.

[see: Clapperton, J. A.]

Li, J.-W.

[see: Bian, L.]

Li, M.

[see: Broersma, H. J.]

Li, X.

[see: Broersma, H. J.]

Liebeck, M. W., Macpherson H. D. and Tent, K.

Primitive permutation groups of bounded orbital diameter. Preprint. <http://www.amsta.leeds.ac.uk/pure/staff/macpherson/liemacten.pdf>

Lingas, A.

[see: Gąsieniec, L.]

Linton, S. A.

[see: Albert, M. H., Bovdi, V. A., Holmes, P. E.]

Liu, H., Morris, R. D. and Prince, N.

Highly connected multicoloured subgraphs of multicoloured graphs. *Discrete Math.* **308** (2008) 5096-5121. http://arxiv.org/PS_cache/math/pdf/0702/0702369v1.pdf

Liu, H., Morris, R. D. and Prince, N.

Highly connected monochromatic subgraphs of multicolored graphs. *J. Graph Theory* **61** (2009) 22-44. http://arxiv.org/PS_cache/math/pdf/0702/0702354v1.pdf

Lockett, D.

[see: Cameron, P. J.]

LoFaro, G.

[see: Grannell, M. J.]

Loz, E. and Širáň, J.

New record graphs in the degree-diameter problem. *Australas. J. Comb.* **41** (2008) 63-80.

Lozin, V. V.

From tree-width to clique-width: excluding a unit interval graph. *Lect. Notes Comput. Sci.* **5369** (2008) 872-883. http://dx.doi.org/10.1007/978-3-540-92182-0_76

Lozin, V. V.

Graph representation functions computable by finite automata. *J. Autom. Lang. Comb.* **13** (2008) 73-90. http://rutcor.rutgers.edu/pub/rrr/reports2004/15_2004.ps

Lozin, V. V.

Stability preserving transformations of graphs. *Annals of Operations Research*, to appear. <http://www.warwick.ac.uk/~masgax/sptr-aor.pdf>

Lozin, V. V. and Milanic, M.

On Finding Augmenting Graphs. *Discrete Appl. Math.* **156** (2008) 2517-2529.

http://rutcor.rutgers.edu/pub/rrr/reports2005/38_2005.pdf

Lozin, V. V. and Milanic, M.

A polynomial algorithm to find an independent set of maximum weight in a fork-free graph. *J. Discrete Algorithms* **6** (2008) 595-604.

http://rutcor.rutgers.edu/pub/rrr/reports2005/30_2005.pdf

Lozin, V. V. and Mosca, R.

Maximum independent sets in subclasses of P_5 -free graphs. *Inf. Process. Lett.* **109**

(2009) 319-324. <http://dx.doi.org/10.1016/j.ipl.2008.11.005>

Lozin, V. V. and Volz, J.

The clique-width of bipartite graphs in monogenic classes. *Int. J. Found. Comput. Sci.*

19 (2008) 477-494. http://rutcor.rutgers.edu/pub/rrr/reports2006/31_2006.pdf

Lozin, V. V.

[see: Allen, P., Alekseev, V. E., Brandstädt, A., Cardoso, D. M., Hoang, C., Kaminski, M.]

Luczak, M. J.

Concentration of measure and mixing of Markov chains. *Discrete Math. Theor. Comput. Sci.* **10** (2008) 95-120.

Luczak, M. J.

[see: Brightwell, G. R., van der Hofstad, R., Janson, S.]

Luczak, T.

[see: Haxell, P.]

Lutley, J.

[see: Bell, J.]

Máčajová, E. and Škoviera, M.

[see: Grannell, M. J.]

Machado, R. C. S.

[see: Figueiredo, C. M. H.]

Macpherson, H. D. and Steinhorn, C.

One-dimensional asymptotic classes of finite structures. *Trans. Am. Math. Soc.* **360** (2008) 411-448. <http://dx.doi.org/10.1090/S0002-9947-07-04382-6>

Macpherson, H. D.

[see: Elwes, R., Gray, R., Liebeck, M. W.]

Madelaine, F. R. and Stewart, I. A.

Improved upper and lower bounds on the feedback vertex numbers of grids and butterflies. *Discrete Math.* **308** (2008) 4144-4164

<http://dx.doi.org/10.1016/j.disc.2007.08.007>

Maffrey, F., Trotignon, N. and Vušković, K.

Algorithms for square-3PC(.,.)-free Berge graphs. *SIAM J. Discrete Math* **22** (2008) 51-71. <http://www.comp.leeds.ac.uk/vuskovi/3pc-square.ps>

Mayhew, D.

[see: Hall, R.]

Malheiro, M.

[see: Gray, R.]

Maltcev, V., Mitchell, J. D. and Ruškuc, N.

The Bergman property for semigroups. *J. London Math. Soc.*, to appear.

<http://www-groups.mcs.st-andrews.ac.uk/~jamesm/articles/bergman5.pdf>

Maltcev, V.

[see: Fernandes, V. H.]

Malyshev, D.

[see: Alekseev, V. E.]

Manlove, D. F.

The hospitals / residents problem. Article 150 in *The Encyclopedia of Algorithms*, Springer (2008). <http://eprints.gla.ac.uk/4495/1/4495.pdf>

Manlove, D. F. and McDermid, E.

Keeping partners together: Algorithmic results for the hospitals /residents problem with couples. Submitted.

<http://www.dcs.gla.ac.uk/people/personal/mcdermid/Partners.pdf>

Manlove, D. F. and O'Malley, G.

Student-project allocation with preferences over projects. *J. Discrete Algorithms* **6** (2008) 553-560. <http://www.dcs.gla.ac.uk/publications/PAPERS/8552/spa-p.pdf>

Manlove, D. F.

[see: Biró, P., Fernau, H., Fleiner, T., Irving, R. W.]

Mañuch, J.

[see: Gupta, A.]

Marchal, L.

[see: Broersma, H. J.]

Marcos, E.

[see: Bovdi, V. A.]

Markström, K.

[see: Christofides, D.]

Marsh, R. J.

[see: Baur, K.]

Martin, K. M., Martin, T. and Wild, P. R.

Establishing the broadcast efficiency of the Subset Difference Revocation Scheme. *Des. Codes Cryptography* **51** (2009) 315-334.

Martin, K. M.

[see: Blackburn, S. R.]

Martin, R.

[see: Berenbrink, P., Gaşieniec, L.]

Martin, T.

[see: Martin, K. M.]

Marx, D.

[see: Krokhin, A.]

Massow, M.

[see: Brightwell, G. R.]

Mathieson, L. and Szeider, S.

Parameterized Graph Editing with Chosen Vertex Degrees. *Lect. Notes Comput. Sci.* **5165** (2008) 13-22.

Matsliah, A.

[see: Fisher, E.]

Mavron, V. C., McDonough, T. P. and Tonchev, V. D.

On affine designs and Hadamard designs with line spreads. *Discrete Math.* **308** (2008) 2742-2750. <http://dx.doi.org/10.1016/j.disc.2006.06.039>

Mavron, V. C.

[see: Key, J.D.]

Mayhew, D.

[see: Aikin, J., Hall, R.]

McCartin, C.

[see: Bordewich, M.]

McDermid, E

A $3/2$ -approximation algorithm for general stable marriage. Submitted.

<http://www.dcs.gla.ac.uk/people/personal/mcdermid/ThreeoverTwo.pdf>

McDermid, E

[see: Cheng, C., Irving, R. W., Manlove, D. F.]

McDiarmid, C.

Random Graphs on surfaces. *J. Comb. Theory Ser. B* **98** (2008) 778-797.

http://www.stats.ox.ac.uk/people/academic_staff/colin_mcdiarmid/?a=4073

McDiarmid, C.

Random Graphs from a Minor-Closed Class. *Comb. Probab. Comput.*, to appear.

McDiarmid, C. and Reed, B.

On the maximum degree of a random planar graph. *Comb. Probab. Comput.* **17** (2008) 591-601. http://www.stats.ox.ac.uk/people/academic_staff/colin_mcdiarmid/?a=4072

McDiarmid, C.

[see: Addario-Berry, L., Aldous, D. J., Fountoulakis, N., Havet, F., Kang, R.]

McDonough, T. P.

[see: Key, J.D., Mavron, V. C.]

McGrae, A. R. and Zito, M.

The Block Connectivity of Random Trees. *Electron. J. Comb.* **16** (2009) #R8.

http://www.combinatorics.org/Volume_16/PDF/v16i1r8.pdf

McGrae, A. R. and Zito, M.

Colouring random empire trees. *Lect. Notes Comput. Sci.* **5162** (2008) 515-526.

http://dx.doi.org/10.1007/978-3-540-85238-4_42

Melsted, P.

[see: Chebolu, P.]

Merino, C. and Noble, S. D.

The equivalence of two graph polynomials and a symmetric function. *Comb. Probab. Comput.*, to appear. <http://hdl.handle.net/2438/3067>

Miguel, I.

[see: Grayland, A.]

Mihalak, M.

[see: Bilo, D., Erlebach, T.]

Milanic, M.

[see: Alekseev, V. E., Kaminski, M., Lozin, V. V.]

Mitchell, J. D.

[see: Araújo, J., Cichon, J., Darji, U., Fernandes, V. H., Gray, R., Huczynska, S., Maltcev, V.]

Mittal, S.

[see: Biró, P.]

Mladenović, N.

[see: Brimberg, J., Consoli, S., Garcia-González, C.G., Hanafi, S. Hansen, P., Ilić, A.]

Montemanni, R. and Smith, D. H.

Heuristic manipulation, tabu search and frequency assignment. *Computers and Operational Research*, in press. <http://dx.doi.org/10.1016/j.cor.2008.08.006>

Montemanni, R. and Smith, D. H.

Construction of constant GC-content DNA codes via a variable neighbourhood search algorithm. *J. Math. Model. Algorithms* 7 (2008) 311-326.

<http://dx.doi.org/10.1007/s10852-008-9087-8>

Montemanni, R. and Smith, D. H.

Sequential Ordering Problems for crane scheduling in port terminals. Proceeding of the 11th Intermodal Workshop on Harbor, Maritime & Multimodal Logistic Modeling & Simulation (HMS), International Mediterranean and Latin American Modeling Multiconference (I3M), Bruzzone et al. eds., 180-189, September 17-19 2008, Campora San Giovanni, Italy. (ISBN 978-88-903724-2-1).

Montemanni, R.

[see: Gambaradella, L. M., Graham, J. S.]

Montinaro, A.

[see: Bilioti, M.]

Moon, J. N. J.

[see: Graham, J. S.]

Morayne, M.,

[see: Cichon, J.]

Moreno, J.

[see: Consoli, S.]

Morris, I.

[see: Brown, R.]

Morris, R. D.

Minimal percolating sets in bootstrap percolation. *Electron. J. Comb.* 16 (2009) R2.

http://www.combinatorics.org/Volume_16/PDF/v16i1r2.pdf

Morris, R. D.

Glauber dynamics in high dimensions. Preprint.

http://arxiv.org/PS_cache/arxiv/pdf/0809/0809.0353v1.pdf

Morris, R. D.

[see: Balogh, J., Liu, H.]

Mörters, P. and Shieh, N.-R.

The exact packing measure of Brownian double points. *Probab. Theory Relat. Fields*, 143 (2009) 113-136. <http://people.bath.ac.uk/maspm/expack.pdf>

Mörters, P. and Sidorova, N.

A class of weakly self-avoiding walks. *J. Stat. Phys.* 133 (2008) 255-269.

http://people.bath.ac.uk/maspm/weakly_saw.pdf

Mörters, P.

[see: Chen, X., Dereich, S., Fleischmann, K., van der Hofstad, R., König, W]

Mosca, R.

[see: Brandstädt, A., Lozin, V. V.]

Mossel, E.

[see: Coja-Oghlan, A.]

Moulton, D. P.

[see: Chapman, R. J.]

Mubayi, D.

[see: Keevash, P.]

Mujuni, E.

[see: Fleischner, H.]

Müller, H.

[see: Brandstädt, A., Cryan, M., Kloks, T., Kratsch, D.]

Müller, M., Nagarajan, R. and Rogers, C.

Lossless Quantum Prefix Compression for Communication Channels that are Always Open. *Physical Review A* **79** (2009) 012302.

http://arxiv.org/PS_cache/arxiv/pdf/0808/0808.2003v3.pdf

Müller, T. and Waters, R. J.

Circular choosability is rational. *J. Comb. Theory Ser. B*, to appear.

<http://www.math.tau.ac.il/~tobias/Papers/cchinQ.pdf>

Munding, J., Weber, R. R. and Weiss, G.

Optimal Scheduling of peer-to-peer file dissemination. *J. Scheduling* **11** (2008) 105–120. http://www.statslab.cam.ac.uk/~rrw1/research/MunWebWei06JoS_final.pdf

Murray, S. H. and Roney-Dougal, C. M.

The spinor norm and homomorphism algorithms for classical groups. Submitted.

Mycroft, R.

[see: Keevash, P., Kühn, D.]

Nagarajan, R., Rogers, C. and Vedral, V.

Second Quantized Kolmogorov Complexity. *International Journal of Quantum Information* **6** (2008) 907-928. <http://dx.doi.org/10.1142/S021974990800375X>

Nagarajan, R.

[see: Müller, M.]

Navarra, A.

[see: Gaşieniec, L.]

Neunhoffer, M. and Praeger, C. E.

Computing Minimal Polynomials of Matrices *LMS J. Comput. Math.* **11** (2008) 252-279.

<http://www-groups.mcs.st-and.ac.uk/~neunhoef/Publications/pdf/minpoly.pdf>

Neunhoffer, M. and Scherotzke, S.

Formulas for primitive Idempotents in Frobenius Algebras and an Application to Decomposition Maps. *Represent. Theory* **12** (2008) 170-185.

Neunhoffer, M.

[see: Carlson, J.]

Newman, I.

[see; Fisher, E.]

Ng, S.-L.

[see: Blackburn, S. R., Martin, K. M.]

Ngai, E.

[see; Brimberg, J.]

Nguyen, N.

[see: Bell, J.]

Nies, A. and Thomas, R. M.

FA-presentable groups and rings. *J. Algebra* **320** (2008) 569-585.

Nishimura, H.

[see: Iwama, K.]

Noble, S. D.

Evaluating a Weighted Graph Polynomial For Graphs of Bounded Tree-Width.

Submitted. <http://people.brunel.ac.uk/~mastsdn/newvass.pdf>

Noble, S. D.

[see: Eggemann, N., Goodall, A. J., Merino, C.]

Noy, M.

[see: Bernardi, O., Gerke, S.]

O'Brien, E. A.

[see: Holmes, P. E.]

O'Connell, N.

[see: Biane, P., Duffy, K.]

O'Donnell, R.

[see: Bollobás, B.]

Oguz, C.

[see: Hansen, P.]

O'Malley, G.

[see: Irving, R. W., Manlove, D. F.]

Oliver, G. P.

[see: Cain, A. J.]

Ordyniak, S.

[see: Kreutzer, S.]

Osthus, D. and Watkinson, R.

A simple solution to Ulam's liar game with one lie. *Elem. Math.* **63** (2008) 97-101.

Osthus, D.

[see: Christofides, D., Cooley, O., Fountoulakis, N., Keevash, P., Kelly, L., Kühn, D.]

Owczarek, A. L. and Prellberg, T.

Scaling of the atmosphere of self-avoiding walks. *J. Phys. A* **41** (2008) 375004.

http://arxiv.org/PS_cache/arxiv/pdf/0806/0806.1250v1.pdf

Owczarek, A. L.

[see: Brak, R.]

Owens, M. D.

[see: Holt, D. F.]

Özkahya, L.

[see: Kostochka, A. V.]

Pakpongpun, A. and Ward, T.

Functorial orbit counting. Preprint.

http://arxiv.org/PS_cache/arxiv/pdf/0901/0901.2646v1.pdf

Pan, H.

[see: Chapman, R. J.]

Panagiotou, K.

[see: Coja-Oghlan, A.]

Patel, V.

Partitioning posets. *Order* **25** (2008) 131-152

<http://www.springerlink.com/content/482w388w26568014/fulltext.pdf>

Patel, V.

Cutting two graphs simultaneously. *J. Graph Theory* **57** (2008) 19-32.

<http://dx.doi.org/10.1002/jgt.20274>

Paterson, K. G. and Srinivasan, S.

On the Relations Between Non-Interactive Key Distribution, Identity-Based Encryption and Trapdoor Discrete Log Groups. *Des. Codes Cryptography*, to appear.

<http://eprint.iacr.org/2007/453.pdf>

Paterson, K. G.

[see: Galbraith, S. D.]

Paterson, M. B., Stinson, D. R. and Wei, R.

Combinatorial batch codes. *Adv. Math. Commun.* to appear.

<http://eprint.iacr.org/2008/306.pdf>

Paterson, M. B. and Stinson, D. R.

Two attacks on a sensor network key distribution scheme of Cheng and Agrawal. *J. Math. Cryptol.*, to appear. <http://eprint.iacr.org/2008/326.pdf>

Paterson, M. B.

[see: Blackburn, S. R.]

Paterson, M. S.

[see: Aziz, H., Iwama, K., Jurdzinski, M.]

Paulusma, D.

[see: Broersma, H. J., Fiala, J., Fleischner, H., van 't Hof, P., Levin, A.]

Pedersen, K.

[see: Jalsenius, M.]

Peleg, D.

[see: Gaşieniec, L.]

Peng, Y.

[see: Haxell, P.]

Penman, D. B.

[see: Biggins, J. D.]

Penson, K.A.

[see: Blasiak, P.]

Peresse, Y.

[see: Cichon, J.]

Pérez-Brito, D.

[see: Garcia-González, C.G.]

Perkins, S., Smith, D. H. and Ward, R. P.

Gold codes, Hadamard partitions and the security of CDMA systems. *Des. Codes Cryptography* **51** (2009) 231-243. <http://dx.doi.org/10.1007/s10623-008-9257-8>

Perkins, S.

[see: Davies, R. P., Grimstead, I. J., Higgs, M. B. J., Jones, R. A.]

Persson, Y.

[see: Conlon, D.]

Pollicott, M.

[see: Jordan, T.,]

Praeger, C. E.

[see: Neunhoeffler, M.]

Preece, D. A.

Some mutually orthogonal power sequence terraces. *Bull. Inst. Comb. Appl.* **54** (2008) 11-32.

Preece, D. A.

Daisy chains - a fruitful combinatorial concept. *Australas. J. Comb.* **42** (2008) 297-316.

Preece, D. A.

Half-cycles and chaplets. *Australas. J. Comb.* **43** (2009) 253-280.

Preece, D. A.

Daisy chains with three generators. *Australas. J. Comb.*, in press.

Preece, D. A.

[see: Anderson, I.]

Prellberg, T.

[see: Bailey, R. F., Brak, R., Cameron, P. J., Corteel, S., Janse van Rensburg, E. J., Owczarek, A. L.]

Prince, A. R.

Pure partial planes of order 6 with 25 lines. *Des. Codes Cryptography*

<http://dx.doi.org/10.1007/s10623-009-9279-x>

Prince, N.

[see: Liu, H.]

Procacci, A.

[see: Jackson, B.]

Quick, M.

[see: Coutts, H. J.]

Räcke, H.

[see: Chawla, S.]

Rafiey, A.

[see: Feng, J, Gutin, G.]

Rao, M.

[see: Allen, P.]

Rattan, A.

Stanley's character polynomials and coloured factorisations in the symmetric group. *J. Comb. Theory Ser. A* **115** (2008) 535-546.

http://arxiv.org/PS_cache/math/pdf/0610/0610557v2.pdf

Rattan, A. and Sniady, P.

Upper bound on the characters of the symmetric groups for balanced Young diagrams and a generalized Frobenius formula. *Adv. Math.*, to appear.

Rattan, A.

[see: Irving, J.]

Raymond, R.

[see: Iwama, K.]

Razgon, I.

[see: Gutin, G.]

Rechnitzer, A.

[see: Brak, R., Janse van Rensburg, E. J.]

Reddington, J.

[see: Balister, P. N., Gutin, G.]

Reed, B. A.

[see: Fountoulakis, N., Havet, F.]

Rees, S.E.

The automata that define representations of monomial algebras. *Algebr. Represent. Theory* **11** (2008) 207-214. <http://www.mas.ncl.ac.uk/~nser/abstracts/automata.html>

<http://www.mas.ncl.ac.uk/~nser/abstracts/automata.html>

Rees, S. E.

[see: Batty, A., Hermiller, S., Holt, D.F.]

Remeslennikov, V. N.

[see: Duncan, A.J.]

Ricci-Tersenghi, F.

[see: Achlioptas, D.]

Richerby, D.

[see: Bulatov, A.]

Riis, S.

[see: Cameron, P. J.]

Riordan, O. M. and Wormald, N. C.

The diameter of sparse random graphs. Preprint.

http://arxiv.org/PS_cache/arxiv/pdf/0808/0808.4067v1.pdf

Riordan, O. M.

[see: Bollobás, B.]

Roach, P. A.

[see: Davies, R. P., Grimstead, I. J.]

Robertson, E. F.

[see: Cain, A. J., Havas, G.]

Rödl, V.

[see: Alon, N., Haxell, P.]

Rogers, C.

[see: Müller, M.]

Röglin, H.

[see: Englert, M.]

Roney-Dougal, C. M.

[see: Bray, J. N., Carlson, J., Coutts, H. J., Grayland, A., Huczynska, S., Murray, S. H.]

Rosamond, F. A.

[see: Fellows, M. R.]

Rosenberg, G.

[see: Avis, D.]

Rotics, U.

[see: Fellows, M. R.]

Rowlinson P.

[see: Aouchiche M., Bell, F. K., Cardoso, D. M., Cvetkovič, D.]

Rubey, M.

[see: Corteel, S.]

Rucinski, A.

[see: Haxell, P.]

Ruškuc, N.

[see: Albert, M. H., Araújo, I. M., Cain, A. J., Carvalho, C., Descalco, L., Dombi, E., Gray, R., Maltcev, V.]

Russell, P. A.

Families Intersecting on an Interval. *Discrete Math.*, to appear.

<http://www.dpmms.cam.ac.uk/~par31/preprints/intersections.pdf>

Ryba, A. J. E.

[see: Holmes, P. E.]

Rybarczyk, K. and Stark, D.

Poisson approximation of the number of cliques in random intersection graphs.

Submitted.

Ryjáček, Z.

[see: Broersma, H. J.]

Safavi-Naini, R. and Wild, P.

Information Theoretic Bounds on Authentication Systems in Query Model. *IEEE Trans. Inf. Theory* **54** (2008) 2426-2326. <http://dx.doi.org/10.1109/TIT.2008.921683>

Salas, J.

[see: Kotecký, R.]

Salhi, A.

[see: Dowden, J. M.]

Salman, A. N. M.

[see: Broersma, H. J.]

Salzer, G.

[see: Creignou, N.]

Samer, M. and Szeider, S.

Constraint Satisfaction with Bounded Treewidth Revisited. *J. Computer Syst. Sci.*, to appear. http://www.dur.ac.uk/stefan.szeider/papers/esp_jcss_final.pdf

Samer, M. and Szeider, S.

Backdoor Trees. Proceedings of AAAI2008.

http://www.dur.ac.uk/stefan.szeider/papers/bdtree_camera.pdf

Sanders, T. W.

A note on Freiman's theorem in vector spaces. *Comb. Probab. Comput.* **17** (2008)

297–305. http://arxiv.org/PS_cache/math/pdf/0605/0605523v1.pdf

Sanders, T. W.

Three term arithmetic progressions and sumsets. *Proc. Edinb. Math. Soc.* **52** (2009)

211–233. http://arxiv.org/PS_cache/math/pdf/0611/0611304v1.pdf

Sanders, T. W.

Roth's Theorem in Z_4^n . Submitted.

http://arxiv.org/PS_cache/arxiv/pdf/0807/0807.5101v1.pdf

Sanders, T. W.

Popular difference sets. Submitted.

Sanders, T. W.

[see: Green, B. J.]

Sanusi, S. O.

[see: Jones, R.A.]

Sapozhnikov, A.

[see: Duffy, K.]

Sarkar, A.

[see: Balister, P. N.]

Sauerwald, T.

[see: Elsässer, R.]

Saurabh, S.

[see: Alon, N., Cohen, N.]

Savani, R.

[see: Avis, D., Aziz, H., Baron, R., Jurdzinski, M.]

Sawada, J.

[see: Hoang, C.]

Schacht, M.

[see: Alon, N., Conlon, D.]

Scherotzke, S.

[see: Neunhoeffler, M.]

Schmutz, E.

[see: Hansen, J.]

Schweitzer, P.

[see: Cameron, P. J.]

Scott, A. D.

[see: Aldous, D. J.]

Scott, E.

[see: Balister, P. N., Gutin, G.]

Scott, S.

[see: Irving, R. W.]

Semple, C. and Welsh, D. J. A.

Negative Correlation in Graphs and Matroids. *Comb. Probab. Comput* **17** (2008) 423-435.

Semple, C.

[see: Bordewich, M.]

Severini, S.

[see: Batty, A.]

Shakhlevich, N. V., Shioura, A. and Strusevich, V. A.

Fast Divide-and-Conquer Algorithms for Preemptive Scheduling Problems with Controllable Processing Times – A Polymatroid Optimization Approach. *Lect. Notes Comput. Sci.* **5193** (2008) 756-767.

http://dx.doi.org/10.1007/978-3-540-87744-8_63

Shakhlevich, N. V. and Strusevich, V. A.

Preemptive scheduling on uniform parallel machines with controllable job processing times. *Algorithmica* **51** (2008) 451-473 <http://dx.doi.org/10.1007/s00453-007-9091-9>

Shan, E. [see: Henning, M.]

Shapira, A.

[see: Czumaj, A.]

Shapiro, M.

[see: Holt, D. F.]

Shaw, R.

Trivectors yielding spreads in $PG(5,2)$. Submitted.

Shaw, R.

Trivectors and cubics: $PG(5,2)$ aspects. Submitted.

Shaw, R.

[see: Gordon, N. A.]

Sheehan, J.

[see: Abreu, M.]

Sheng, L.

[see: Hansen, J.]

Shieh, N.-R.

[see: Mörters, P.]

Shioura, A.

[see: Shakhlevich, N. V.]

Shoilekova, B.

[see: Chapuy, G.]

Shparlinski, I. E.

[see: Blackburn, S.R.]

Shrimpton, J.

[see: Brown, R.]

Shu, X.

[see: Hoang, C.]

Sidorova, N.

[see: van der Hofstad, R., König, W, Mörters, P.]

Siemons, I. J.

[see: Levenstein, V.]

da Silva, M. G. V. and Vušković, K.

Decomposition of even-hole free graphs with star cutsets and 2-joins. Submitted.

<http://www.comp.leeds.ac.uk/vuskovi/star.ps>

Silva, P. V.

[see: Araújo, I. M.]

Šimić, S. K.

[see: Aouchiche M., Bell, F. K., Cardoso, D. M., Cvetković, D.]

Simonovits, M.

[see: Kohayakawa, Y.]

Sing, B.

Modulated Quasicrystals. *Z. Kristallographie* **223** (2008) 765-769.

http://www.maths.bath.ac.uk/~bs259/modulation_icq.pdf

Sing, B. and Sirvent, V.

Geometry of the common dynamics of flipped Pisot substitutions. *Monatsh. Math.*

155 (2008) 431-448. <http://www.maths.bath.ac.uk/~bs259/product-general.pdf>

Širáň, J.

Recent progress in classification of regular maps on a given compact surface.

Electron. Notes Discrete Math. **31** (2008) 19-22.

<http://dx.doi.org/10.1016/j.endm.2008.06.002>

Širáň, J.

[see: Conder, M. D. E., Knor, M., Loz, E.]

Sirvent, V.

[see: Sing, B.]

Sisask, O.

[see: Croot, E., Green, B. J.]

Skokan, J.

[see: Benevides, F., Haxell, P.]

Škoviera, M.

[see: Grannell, M. J.]

Smart, N. P.

[see: Galbraith, S. D.]

Smith, D. H.

[see: Gambardella, L.M., Graham, J.S., Higgs, M. B. J., Jones, R. A., Montemanni, R., Perkins, S.]

Smith, M.

[see: Briggs, K. M.]

Smith, R.

[see: Albert, M. H., Brignall, R.]

Sniady, P.

[see: Rattan, A.]

Sohler, C.

[see: Czumaj, A.]

Soicher, L. H.

More on block intersection polynomials and new applications to graphs and block designs. Submitted. <http://www.maths.qmw.ac.uk/~leonard/nbip2.pdf>

Sokal, A. D.

[see: Jackson, B., Kotecký, R.]

Solal, P.

[see: Baron, R.]

Soleimanfallah, A.

[see: Balister, P. N.]

Solomon, A.I.

[see: Blasiak, P.]

Spönemann, J.

[see: Englert, M.]

Srinivasan, S.

[see: Paterson, K. G.]

Stacho, L.

[see: Gupta, A.]

Stanton, R. G.

[see: Grannell, M. J.]

Stark, D.

The edge correlation of random forests. Submitted.

Stark, D. and Wormald, N. C.

Distribution of the number of isomorphic copies of subgraphs in large random graphs.

Preprint.

Stark, D.

[see: Cameron, P. J., Erlihson, M., Rybarczyk, K.]

Stefanakos, S.

[see: Erlebach, T.]

Steger, A.

[see: Coja-Oghlan, A.]

Steinhorn, C.

[see: Macpherson, H. D.]

von Stengel, B.

[see: Avis, D.]

Stevanović, D.

[see: Aouchiche M.]

Stewart, I. A.

Logical and complexity-theoretic aspects of models of computation with restricted access to arrays. *J. Log. Comput.* **19** (2009) 217-242

<http://dx.doi.org/10.1093/logcom/exn025>

Stewart, I. A.

Program schemes, queues, the recursive spectrum and zero-one laws. *Fundam. Inform.*

91 (2009) 1-25. <http://dx.doi.org/10.3233/FI-2009-0001>

Stewart, I. A. and Xiang, Y.

Embedding long paths in k -ary n -cubes with faulty nodes and links. *IEEE*

Transactions on Parallel and Distributed Systems **19** (2008) 1071-1085

<http://dx.doi.org/10.1109/TPDS.2007.70787>

Stewart, I. A. and Xiang, Y.

Bipanconnectivity and bipancyclicity in k -ary n -cubes. *IEEE Transactions on Parallel and Distributed Systems* **19** (2008) 1071-1085

<http://dx.doi.org/10.1109/TPDS.2007.70787>

Stewart, I. A. and Xiang, Y.

Augmented k -ary n -cubes. Submitted.

Stewart, I. A.

[see: Madelaine, F. R.]

Still, G.

[see: Broersma, H. J.]

Stinson, D. R.

[see: Blackburn, S. R., Paterson, M. B.]

Stougie, L.

[see: Cryan, M.]

Stratmann, B. O.

[see: Jordan, T., Kesseböhmer, M.]

Strusevich, V. A.

[see: Shakhlevich, N. V.]

Su, C.

[see: Gąsieniec, L.]

Sudakov, B.

[see: Conlon, D., Fox, J., Keevash, P.]

Surahmat, E. T. Baskaro

[see: Broersma, H. J.]

Surya, S.

[see: Brightwell, G. R.]

Sutherland, D. C.

[see: Havas, G.]

Suzuki, I.

[see: Cheng, C.]

Szeider, S.

Matched Formulas and Backdoor Sets. *Journal on Satisfiability, Boolean Modeling and Computation* **6** (2008) 1-12. <http://www.dur.ac.uk/stefan.szeider/abstract31.html>

Szeider, S.

Monadic Second Order Logic on Graphs with Local Cardinality Constraints. *Lect. Notes Comput. Sci.* **5162** (2008) 601-612.

<http://www.dur.ac.uk/stefan.szeider/papers/mso7.pdf>

Szeider, S.

Not So Easy Problems For Tree Decomposable Graphs. Proceedings of ICDM2008.

<http://www.dur.ac.uk/stefan.szeider/papers/icdm5.pdf>

Szeider, S.

[see: Fellows, M. R., Fleischner, H., Gottlob, G., Gutin, G., Mathieson, L., Samer, M.]

Tao, T. C.

[see: Green, B. J.]

Talbot, D. and Talbot, J. M.

Bloom Maps. Proceedings of the Fourth Workshop on Analytic Algorithmics and Combinatorics (ANALCO) (2008).

http://www.siam.org/proceedings/analco/2008/anl08_019talbotd.pdf

Talbot, J. M.

[see: Johnson, J. R., Talbot, D.]

Tarzi, S.

[see: Cameron, P. J.]

Tent, K.

[see: Liebeck, M. W.]

Thomas, R. M.

[see: Cain, A. J.]

Thrower, A. R. W.

[see: Grannell, M. J.]

Tiskin, A.

Semi-local longest common subsequences in subquadratic time. *J. Discrete Algorithms* **6** (2008) 570-581.

<http://www.dcs.warwick.ac.uk/~tiskin/pub/2007/lcs.pdf>

Tiskin, A.

Faster subsequence recognition in compressed strings. *Journal of Mathematical Sciences*, to appear. <http://www.dcs.warwick.ac.uk/~tiskin/pub/2007/lcs.pdf>

Tiskin, A.

Semi-local string comparison: Algorithmic techniques and applications.

http://arxiv.org/PS_cache/arxiv/pdf/0707/0707.3619v3.pdf

Tiskin, A.

Semi-local string comparison: Algorithmic techniques and applications. Preprint.

http://arxiv.org/PS_cache/arxiv/pdf/0707/0707.3619v8.pdf

Thatte, B.

Combinatorics of pedigrees I: counter examples to a reconstruction problem. *SIAM J. Discrete Math.* **22** (2008) 961-970.

<http://www.stats.ox.ac.uk/~thatte/preprints/thatte-siam-2008.pdf>

Thomas, R. M.

[see: Cain, A. J., Hoffmann, M., Holt, D. F., Nies, A.]

Thomason, A. G.

Disjoint unions of complete minors. *Discrete Math.* **308** (2008) 4370-4377.

Thomason, A. G.

[see: Cockayne, E. J., Janson, S.]

Thomassé, S.

[see: Bousquet, N., Havet, F.]

Thrower, A. R. W.

[see: Grannell, M. J.]

Thurley, M.

[see: Goldberg, L. A.]

Todinca, I.

[see: Kratsch, D.]

Tonchev, V. D.

[see: Mavron, V. C.]

Torres, F.

[see: Giulietti, M.]

Treglown, A.

[see: Kühn, D.]

Tripodi, A.

[see: Grannell, M. J.]

Trotignon, N. and Vušković, K.

A structure theorem for graphs with no cycle with a unique chord and its consequences. *J. Graph Theory*, to appear.

<http://www.comp.leeds.ac.uk/vuskovi/chord.ps>

Trotignon, N.

[see: Maffrey, F.]

Truss, J. K.

[see: Amato, D., Campero-Arena, G., Droste, M., Gray, R.]

Twigg, A. and Xavier, E.

Generalized Data Locality Problems and Colored Bin Packing. Submitted.

Twigg, A.

[see: Courcelle, B.]

Tyomkyn, M.

A locally finite tree that behaves like an infinite star. Preprint.

http://arxiv.org/PS_cache/arxiv/pdf/0812/0812.2179v1.pdf

Tyomkyn, M.

A proof of the rooted tree alternative conjecture. Preprint

http://arxiv.org/PS_cache/arxiv/pdf/0812/0812.1121v1.pdf

Urošević, D.

[see: Brimberg, J., Garcia-González, C.G., Hanafi, S., Ilić, A.]

Vatter, V.

[see: Brignall, R.]

Vaughan, E. R.

The complexity of constructing gerechte designs. *Electron. J. Comb.* **16** (2009) #R15 (8pp). http://www.combinatorics.org/Volume_16/PDF/v16i1r15.pdf

Vdovina, A.

On the number of optimal surfaces. In: Boileau, Michel (ed.), *The Zieschang Gedenkschrift. Geometry and Topology Monographs* **14** (2008) 557-567.

Vilenchik, D.

[see: Coja-Oghlan, A.]

Vöcking, B.

[see: Englert, M.]

Volz, J.

[see: Lozin, V. V.]

Vrána, P.

[see: Broersma, H. J.]

Vumar, E.

[see: Broersma, H. J.]

Vušković, K.

[see: Figueiredo, C. M. H, Kloks, T., Maffrey, F., da Silva, M. G., Trotignon, N.]

Wachtel, V.

[see: Fleischmann, K.]

Wahlen, M.

[see: Gašieniec, L.]

Walters, M.

[see: Balister, P.]

Wang, L.

[see: Broersma, H. J.]

Ward, R. P.

[see: Perkins, S.]

Ward, T.

[see: Pakapongpun, A.]

Waters, R. J.

[see: Chapman, R. J., Müller, T.]

Webb, B. S.

[see: Chicot, K. M.]

Weber, R. R.

[see: Munding, J.]

Wei, R.

[see: Paterson, M. B.]

Weiss, G.

[see: Munding, J.]

Weissl, A.

[see: Gerke, S.]

Welsh, D. J. A.

[see: Bernardi, O., Semple, C.]

Wensley, C. D.

[see: Brown, R.]

West, J.

[see: Albert, M. H.]

Whittington, S. G.

[see: Brak, R.]

Widmayer, P.

[see: Bilo, D.]

Wild, P. R.

[see: Martin, K. M., Safavi-Naini, R.]

Wildon, M.

Counting partitions on the abacus. *Ramanujan Journal* **17** (2008) 355–367.

<http://www.maths.bris.ac.uk/~mazmjw/Maths/abacus.pdf>

Wildon, M.

Knights, Spies, Games and Ballot Sequences. Preprint.

http://uk.arxiv.org/PS_cache/arxiv/pdf/0903/0903.2869v1.pdf

Wildon, M.

[see: Britnell, J. R., Levin, D.]

Wilson, R. A.

[see: Holmes, P. E.]

Wilson, R. J.

[see: Beineke, L. W.]

Woeginger, G. J.

[see: Levin, A.]

Wong, P. W. H.

[see: Gaşieniec, L.]

Woodall, D. R.

An inverse binomial function and graph colourings. *Bull. Inst. Combin. Appl.* **53** (2008) 73-76.

Woodall, D. R.

More elementary lower bounds on the matching number of a bipartite graph. *Bull. Inst. Combin. Appl.*, to appear.

Woodall, D. R.

[see: Bian, L., Hetherington, T. J., Kostochka, A. V.]

Wooldridge, M.

[see: Elkind, E.]

Wormald, N. C.

[see: Riordan, O. M.]

Wu, F. Y.

[see: Essam, J. W.]

Wu, T.

[see; Buchheim, C., Cameron, P. J.]

Xavier, E.

[see: Twigg, A.]

Xiang, Y.

[see: Stewart, I. A.]

Xing, W.

[see: Chen, B.]

Xiong, L.

[see: Broersma, H. J.]

Yahalom, O.

[see: Fisher, E.]

Yamashita, S.

[see: Iwama, K.]

Yao, B.

[see: Bian, L.]

Yao, X.

[see: Broersma, H. J.]

Yeo, A.

[see: Balister, P. N., Bang-Jensen, J., Bousquet, N., Cohen, N., Daligault, J., Gutin, G., Havet, F., Henning, M.]

Young, A.

[see: Kühn, D.]

Yoshimoto, K.

[see: Broersma, H. J.]

Zaleskii, A. E.

[see: Camina, A. R.]

Zaverucha, G. M.

[see: Blackburn, S. R.]

Zhang, Q.

[see: Salhi, A.]

Zhang, X.

[see: Gaşieniec, L.]

Zhang, Z.-F.

[see: Bian, L.]

Zhao, X.

[see: Gupta, A.]

Zhou, S.

[see: Blum, A.]

Zhou, W.

[see: Broersma, H. J.]

Zito, M.

[see: Cooper, C., McGrae, A. R.]

Zverovich, V.

The k -tuple domination number revisited. *Applied Math. Letters* **21** (2008) 1005-1011.

van Zwam, S. H. M.

[see: Hall, R.]

Zwick, U.

[see: Jurdzinski, M.]

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. Mañana.

Acta Arith. – Acta Arithmetica
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.
Ann. Appl. Probab. – Annals of Applied Probability
Ann. Math. – Annals of Mathematics
Ann. Math. Artif. Intell. - Annals of Mathematics and Artificial Intelligence.
Ann. Probab. – Annals of Probability
Algebr. Represent. Theory – Algebras and Representation Theory
Algorithmica – Algorithmica
Algorithms. Comb. – Algorithms and Combinatorics
Ann. Comb. – Annals of Combinatorics
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. Oper. Res. – Computers & Operational Research.
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
Discuss. Math. Graph Theory. - Discussiones Mathematicae. Graph Theory.

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
Funct. Approximatio. – Functiones et Approximatio. Commentarii Mathematicii
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.
IEEE Trans. Inf. Theory – IEEE Transactions on Information Theory.
Inf. Comput. – Information and Computation
Inf. Process. Lett. – Information Processing Letters
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
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 (or B as appropriate) – Journal of Combinatorial Theory Series A (or B as appropriate)
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. 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. 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 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
Mem. Am. Math. Soc. – Memoirs of the American Mathematical Society
Mich. Math. J. – Michigan Mathematical Journal
Monatsh. Math. – Monatshefte für Mathematik
Order – Order
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
Sci. China Ser. A – Science in China Series A (Mathematics)
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