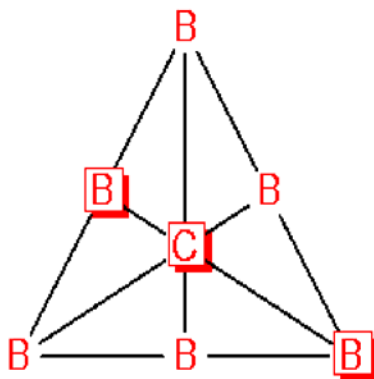


British Combinatorial Bulletin 2010



BRITISH COMBINATORIAL BULLETIN 2010

This is the 2010 British Combinatorial Bulletin. The format is essentially as in previous years. The Newsletter (produced twice a year, in April and October) gives some rather more informal information.

I am again this year trying to provide links to papers etc. where I am aware of them, which I hope 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 recently – 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, available at <http://www.essex.ac.uk/math/BCB/newsletters.htm> - the most recent one is number 8 (April 2010).

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.

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 30th 2010.

The BCB webpage is: <http://www.essex.ac.uk/math/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), Robin Chapman (BCC23 Local Organiser), Andy Drizen (2010 PCC organiser), David Penman (Bulletin editor), Bridget Webb (Archivist), Jan van den Heuvel, Oliver Riordan and James Hirschfeld.

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.

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 8. 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 period 1 October 2008 to 30 September 2009

	Year to 30/9/2009	Year to 30/9/2008
	£	£
Receipts		
Interest	429.67	1140.44
Royalties from Cambridge University Press	91.62	572.49
Unused parts of grants for one-day conferences		76.35
Surplus from 21 st BCC, Reading, 2007	3694.25	
Total receipts	<u>4215.54</u>	<u>1789.28</u>
Payments		
Grant for London 2-day conference (QMUL/LSE), May 08		1400.00
Grants for one-day conferences	740.46	1300.00
Birmingham Workshop on Extremal Combinatorics, September 2008	500.00	
QUB Workshop on Algebra, Combinatorics and Dynamics, August 2009	500.00	
Postgraduate Combinatorics Conference, July 2009		500.00
Deposit for 23 rd BCC, Exeter, 2011	1000.00	
Expenses for committee meetings (paid to 3 committee members)	393.26	162.93
Open University Combinatorics Prizes	100.00	100.00
Total payments	<u>3233.72</u>	<u>3462.93</u>
Surplus / (deficit) for year	981.82	(1673.65)

All funds are unrestricted

Statement of Balances as at 30 September

	2008	2007
	£	£
Bank accounts:		
Opening balances	22416.74	24090.39
Surplus (deficit) for year	981.82	(1673.65)

Closing balances **23398.56** **22416.74**

Made up of:

Bank of Scotland Treasurer's Account	2278.77	726.23
Scottish Widows Bank Treasury Tracker Account	21119.79	21690.51

23398.56 **22416.74**

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 2008 to 30 September 2009 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	
Abdullah, M.	KCL
Adamaszek, Anna	Warwick
Adamaszek, Michal	Warwick
Ahmad, I.	Essex
Albrecht, M.	RHUL
Alder, Stuart	UEA
Alexoudas, T.	RHUL
Ali, A.	RHUL
Ali, L.	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

B	
Babbage, Dr. S.	Vodafone Group
Baber, Rahil	UCL
Bailey, Prof. R.A.	QMUL
Ball, Prof. Keith M.	UCL
Bárány, Prof. Imre	UCL
Batu, Dr. 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
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.	Bristol
Broersma, Prof. Hajo	Durham
Brough, Michael	QMUL
Bryant, Prof. Roger M.	Manchester
Buchstaber, Prof. V.	Manchester
Bukh, Boris	Cambridge
Burrows, Prof. Brian L.	Staffordshire
Butkovic, Dr. Peter	Birmingham
Byott, Dr. Nigel P.	Exeter

C	
Cameron, Prof. Peter J.	QMUL
Camina, Prof. Alan R.	UEA
Campbell, Dr. Colin M.	St. Andrews
Candela Pokorna, Dr. P.	Cambridge
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.	Warwick
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	Warwick
Coker, T.	Cambridge
Conlon, Dr. David	Cambridge
Constable, Robin L.	St. Andrews
Cook, Gary	Sussex
Cooley, J.	RHUL
Cooper, Dr. Colin	KCL
Cooper, Prof. S. Barry	Leeds
Cosh, Ben	Reading
Crampton, Dr. Jason	RHUL
Creed, Paídí	RHUL
Crouch, Dr. Simon	Hewlett-Packard
Crowston, R.	RHUL
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
Dietmann, R.	RHUL
Drizen, Andrew	QMUL
Dugdale, Dr. J. Keith	Reading
Duncan, Dr. Andrew J.	Newcastle
Dyer, Prof. Martin	Leeds
Džamonja, Dr. Mirna	UEA

E	
----------	--

Edwards, Dr. Keith J.	Dundee
Eleftheriou, Andria	Essex
Ellis, David	Cambridge
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
Fiz Ponteveros, G.	Cambridge
Fleischmann, Prof. P.	Kent
Forbes, Dr. Tony.D.	Open
Forster, Dr. T. E.	Cambridge
Freire, E.	RHUL
Friedetzky, Dr. Tom	Durham

G	
Gairing, Dr. Martin	Liverpool
Gardiner, Dr. Tony D.	Birmingham
Garner, M.	RHUL
Garrod, B.	Cambridge
Gąsieniec, Prof. Leszek	Liverpool
Gate, James	Durham
Georgiou, Dr. Nicholas	Bristol

Gerke, Dr. Stefanie	RHUL
Gibson, Dr. J. Keith	Birkbeck
Gillett, Dr. Raphael T.	Leicester
Gilmour, Prof. S. G.	QMUL
Glass, Prof. Celia A.	City
Goldberg, Prof. Leslie A.	Liverpool
Goldberg, Prof. Paul W	Liverpool
Golovach, Dr.Petr	Durham
Gordon, Dr. Neil A.	Hull
Gowers, Prof. W. Tim	Cambridge
Grannell, Prof. Mike J.	Open
Grant, Joseph	Bristol
Grbić, Dr. Jelena	Manchester
Green, Prof. Ben J.	Cambridge
Griggs, Prof. Terry	Open
Grimm, Uwe	Open
Grimmett, Prof G. R.	Cambridge
Gutin, Prof. Gregory	RHUL
Gwynllyw, Dr. Rhys	West of England

H	
Haight, Dr. John A.	UCL, London
Hall, Dr. Rhiannon	Brunel
Hart, Dr. Sarah	Birkbeck
Haslegrove, J.	Cambridge
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

Hladký, Jan	Warwick
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
Hunt, Dr. Francis	Glamorgan
Hunter, Dr. Gordon J.A.	Kingston University
Hurley, Steve	Cardiff
Hutton, Jamie	Sussex

I	
Iliopoulos, Vasileios	Essex
Irving, Dr. Rob	Glasgow

J	
Jackson, Prof. Bill	QMUL
Jackson, Dr. Penelope S.	Stirling
James, Prof. Gordon D.	
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	Oxford
Johnson, Dr. Matthew	Durham
Johnson, Dr. J. Robert	QMUL
Johnstone, Dr. W. Roy	Reading
Jones, Prof. Gareth A.	Southampton
Jones, M.	RHUL

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
Kelly, Prof F. P.	Cambridge
Kemp, Prof. David	St Andrews
Kemp, Dr. Freda	St Andrews
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
Knox, Fiachra	Birmingham
Konovalov, Dr A. B.	St. Andrews
Korpelainen, Nicholas	Warwick
Kovalenko, Dr. Igor N.	UNL
Krasikov, Dr. Ilia	Brunel
Krasovsky, Dr. Igor	Brunel
Kreutzer, Dr. Stephen	Oxford
Krokhin, Dr. Andrei	Durham
Krusche, Peter	Warwick
Krysta, Dr. Piotr	Liverpool
Kühn, Dr. D.	Birmingham
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
Lignos, Ioannis	Durham
Linton, Prof. S. A.	St. Andrews
Lloyd, Dr. E. Keith	Southampton
Lo, A.	Cambridge
Loizou, Prof. George	Birkbeck
Long, E. P.	Cambridge
Lozin, Dr. Vadim	Warwick
Luczak, Dr. Malwina	LSE
Lyle, Dr. Sinead	UEA

M	
Macpherson, Prof. H. D.	Leeds
Makai, T.	RHUL
Makroglou, Dr. Athena	Portsmouth
Malik, Mr. N. Shane	Essex.
Manlove, Dr. David	Glasgow
Manns, Mr. Tom	Portsmouth
Marchant, E.	Cambridge
Marsh, Dr. Robert J.	Leeds
Martin, Dr. James	Oxford
Martin, Prof. K.	RHUL
Martin, Dr. Russell	Liverpool
Matthiesen, L.	Cambridge

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
Meeks, Kitty	Oxford
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.	QMUL
Myers, Dr. J.S.	Cambridge

N	
Nagarajan, Dr Rajagopal	Warwick
Nagel, Lars	Durham
Neale, Vicky	Cambridge
Neuenhoffer, Dr. M.	St. Andrews
Ng, Dr. S-L.	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
Paris, Prof. Jeff	Manchester
Parks, David	Open
Patel, Viresh	Durham
Paterson, Prof. Kenny	RHUL
Paterson, Dr. Maura	Birkbeck
Paterson, Prof. Mike	Warwick
Patterson, Derek	QMUL
Paulusma, Dr. Daniel	Durham
Payne, Prof. Roger W.	VSNI
Penman, Dr. David	Essex
Penrose, Prof. Mathew	Bath
Peresse, Dr. Y	St. Andrews.
Perkins, Dr. Stephanie	Glamorgan
Pflügel, Dr. Eckhard	Kingston
Piguet, Dr. Diana	Warwick
Pinch, Dr. R.G.E.	GCHQ, Cheltenham
Piper, Prof. Fred	RHUL
Poghosyan, Anush	West of England
Pokrovskiy, Alexey	LSE
Popa, Alex	Bristol
Potts, Prof. Chris N.	Southampton
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	
Quaglia, E.	RHUL
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
Richerby, Dr. David	Leeds
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
Roy, Dr. Aidan	QMUL
Rudnev, Dr. Misha	Bristol
Ruškuc, Prof. Nik	St Andrews
Russell, Dr. P.A.	Cambridge
Rutherford, Dr. Carrie	London South Bank

S	
Sach, Benjamin	Bristol
Saker, Dr. C. J.	Essex
Salhi, Dr. A.	Essex
Sands, Dr. Arthur D.	Dundee
Sanders, Dr. T.	Cambridge
Sandling, Dr. Robert	Manchester
Savani, Dr. Rahul	Liverpool
Saxl, Prof. Jan	Cambridge
Saxton, David	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.	UCL
Shoilekova, Bilyana	Oxford
Shreeve, Richard I.	Royal Grammar School, High Wycombe and Colchester Institute
Siemons, Dr. I. Johannes	UEA
Singerman, Prof. David	Southampton
Singmaster, Prof. D. B.	London South Bank
Širáň, Prof. Jozef	Open
Sisask, Dr. Olof	QMUL
Skokan, Jozef	LSE
Skyner, Tony	Bristol
Smith, Prof. Derek H.	Glamorgan
Smith, Paul	Cambridge
Soicher, Prof. Leonard H.	QMUL
Sokal, Prof. A. D	UCL
Solomon, Prof. Allan I.	Open
Spencer, Claire	Reading
Stark, Dr. D. S.	QMUL
von Stengel, Prof. B.	LSE

Steinberg, Prof. R.	LSE
Stewart, Prof. Iain A	Durham
Stirling, Dr. David S.G.	Reading
Strusevich, Dr. V. A.	Greenwich
Swanepoel, Dr. Konrad	LSE

T	
Tan, Ta Sheng	Cambridge
Talbot, Dr. J.M.	UCL
Talbot, Dr. Richard F.	Staffordshire
Tarzi, Dr. S.	QMUL
Thatte, Dr. Bhalchandra	Oxford
Thomas, Dr. A. D.	Swansea
Thomas, Prof. Richard M.	Leicester
Thomason, Prof. A. G.	Cambridge
Tiskin, Dr. Alex	Warwick
Treglown, A.	Birmingham
Truss, Prof. John K.	Leeds
Twigg, Dr. Andy	Oxford
Tyomykyn, M.	Cambridge

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
Warnke, Lutz	Oxford
Waters, Steven	Glasgow Caledonian
Watts, Ivor	Open
Waugh, Karl	Sussex
Webb, Dr. Bridget S.	Open
Weber, Prof. R. R.	Cambridge
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	
Zaleskii, Prof. A.E.	UEA
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)

Research students

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)

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

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)

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>

<http://web.mat.bham.ac.uk/D.Osthus/bham.html> (for graph theory group).

Dr. P. Butkovič (Combinatorial Optimisation)

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)

Honorary Research Fellow Dr. B. Fairbairn (combinatorial algebra)

Research Students

F. Knox (graph theory, Dr. Kühn)

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 (usually Mondays, various times, 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. Aram Harrow (quantum computation)
Dr. Harald Helfgott (combinatorial number theory)
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).

Department of Computer Science Merchant Venturers Building, Woodland Road, Bristol, BS8 1UB, Tel. 0117 954 5264, Fax 0117 954 5208

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

Dr. Raphaël Clifford (algorithms)
Dr. Markus Jalsenius (Markov chain algorithms)
Dr. Ashley Montanaro (quantum computation)

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)
Alex Popa (algorithms, Dr. Clifford)
Benjamin Sach (algorithms, Dr. Clifford)

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 Thursdays at 4.00 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 Krasovskiy (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)

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)

Fundamentals (24 lectures, 1st year, Dr. Shaw)

Probability (36 lectures, 1st year, Dr. Furter and Mrs. Browne)

Institutional Research Repository (containing preprints etc.): <http://bura.brunel.ac.uk/>

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. P. Candela Pokorna (Churchill) (combinatorics, analysis)
Dr. D. Conlon (St. John's) (combinatorics and number theory)
D. Ellis (St. John's) (combinatorics)
Dr. T. E. Forster (Clare Hall) (logic, set theory, combinatorics)
V. Neale (Murray Edwards) (additive combinatorics)
Dr. P. A. Russell (Churchill) (Ramsey theory)
Dr. T. Sanders (Christ's) (analysis, combinatorics, number theory)

Research students

Tom Coker (Prof. Bollobás)
Gonzalo Fiz Ponteveros (Prof. Gowers)
Bryn Garrod (Prof. Bollobás)
John Haslegrave (Prof. Bollobás)
Allan Lo (Prof. Thomason)
Eoin Long (Prof. Leader)
Edward Marchant (Prof. Thomason)
Lilian Matthiesen (Prof. Green)
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).

COLCHESTER INSTITUTE

Dr. Richard I Shreeve (retired) (combinatorial geometry in n dimensions, associated duals and nets).

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)

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)

Research Staff

Dr. Petr Golovach (graph theory, graph algorithms, complexity and parameterized complexity)

Dr. Ross Kang (graph colouring, random structures and algorithms)

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

Dr. Barnaby Martin (descriptive complexity)

Dr. Viresh Patel (extremal graph and hypergraph theory, posets, and algorithms)

Dr. Artem Pyatkin (graph theory, graph colouring)

Research Students

James Gate (descriptive complexity, Prof. Stewart)

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

Ioannis Lignos (graph algorithms, Dr. Johnson)

Lars Nagel (randomised algorithms, Dr. Friedetzky)

Jian Song (graph colouring, Dr. Paulusma)

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)

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)

Mrs. J. Emms (model theory and infinite permutation groups, Dr. Evans)

Mr. M. Ferreira (Dr. Evans)

Mr. G. Lazou (Dr. Džamonja)

Mr. T. Phongpattanacharoen (reconstruction, Dr. Siemons)

Mr. B. Summers (regular orbits, Dr. Siemons)

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. Mary Cryan* (algorithms and complexity)

Research students

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

Imtiaz Ahmed (bandwidth in graphs, Prof. Higgins)

Andria Eleftheriou (reliability of graphs (M.Phil), Dr. Penman: part-time)

Vasileios Iliopoulos (algorithms (M.Phil), Dr. Penman)

Zsofia Juhasz (partially ordered sets, Dr. Vernitski)

Shane Malik (extremal Ramsey graphs, Dr. Penman)

Jason Wanner (chromatic roots, 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)

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: writing up, 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

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/math/>

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: T. Electronic access to H, J, P, Q, R, S, U, V, X, Y, a, b, d

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

School 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/>

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 Ahmedinejad (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)
Groups and Representations (36 lectures, 3rd year, Dr Paget)

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)
Dr. Tomasz Radzik (algorithms, combinatorial algorithms etc.).

Research students Mr. Mohammed Abdullah (Dr. Cooper and Dr. Radzik)

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 Vušković (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)

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

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/>

Dr. M. Gairing (algorithmic game theory)

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

Prof. 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 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, Prof. 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://www2.lse.ac.uk/math>

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, Ramsey theory, extremal set theory, probabilistic combinatorics)

Prof. Bernhard von Stengel (game theory and complexity)

Dr. Konrad Swanepoel (combinatorial and discrete geometry, finite geometries, extremal combinatorics).

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)

Research students

Marianne Fairthorne (combinatorics, Prof. Brightwell and Dr. Luczak)

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)
Alexey Pokrovskiy (graph theory, Prof van den Heuvel and Dr Skokan)
Somkiat Trakultraipruk (Graph Theory, Prof van den Heuvel).
Zibo Xu (Ramsey theory, Dr. Simon and Dr. Ostaszewski)

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
CDAM Informal Workshop, Fridays 12:00
<http://www2.lse.ac.uk/math/Seminars>

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/maths/>

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. 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)

Prof. R. Stöhr (Group theory and Lie algebras, including combinatorial aspects and methods).

Research Students

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

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/aboutus/Schools/school/departments/economics/index.aspx>

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 (retired: 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 (binary trees with marked leaves: 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: currently on leave of absence)

Research students

Milanka Jankovic (Prof Riordan)

Hui Fai Law (combinatorics, graph theory, finite geometry: Prof Scott)

Kitty Meeks

Tom Rackham (extremal problems, extended graph colourings: Prof Scott)

Michaela Rombach (complex networks, graph theory: Dr. Mason Porter and Prof. Scott)

Bilyana Shoilekova (enumerative graph theory and random graphs, Prof McDiarmid)

Lutz Warnke (random graphs, probabilistic methods, asymptotic enumeration: Prof. Riordan)

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. Aidan Roy (Combinatorics, especially algebraic, and quantum computation)

Dr. Olof Sisask (additive combinatorics)

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)
Extremal combinatorics (24 lectures, M.Sc., Dr Keevash)

Seminars Combinatorics study group (Prof. Cameron, Fridays
4:30pm) <http://www.maths.qmul.ac.uk/~pjc/csg.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. Simon R. Blackburn* (group theory, algebra and combinatorics of data communications, coding theory, cryptography)
Dr. Carlos Cid (cryptography, security, computational algebra)
Dr. Jason Crampton (applications of partial order theory to access control)
Dr. Alex Dent (provable security)
Dr Rainer Dietmann (analytic number theory, diophantine equations)
Dr. Christian Elsholtz (combinatorial number theory, prime numbers)
Prof. John 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. Stefanie Gerke (graph theory, combinatorics, random structures and algorithms)
Dr. Benjamin Klopsch (group theory, additive combinatorics)
Prof. Keith M. Martin (cryptography and information security)
Dr. James McKee (Salem numbers, Pisot numbers, Mahler measure, elliptic curves, computational number theory)
Prof. Chris Mitchell (cryptography and information security)
Prof. Sean P. Murphy (spatial probability, cryptography)
Dr. Siaw-Lynn Ng (combinatorics, finite geometry, applications to information security)
Dr. Chris W. Norman (algebraic topics)
Prof. Kenneth G. Paterson (cryptography and coding)
Prof. Fred. C. Piper (algebraic combinatorics: finite geometry, theory of designs, coding theory, cryptography)
Prof. Peter 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. P. Farshim (predicated-based protocols, data aggregation, communication-efficient cryptosystems)

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. Dave. Cohen (constraint satisfaction, graphs and hypergraphs)
Prof. Gregory Gutin (graphs and combinatorics, combinatorial optimisation)
Dr. Anders Yeo (graphs and combinatorics, combinatorial optimisation)

Research students

Martin Albrecht (algebraic aspects of cryptography: Dr. Cid)
Theofanis Alexoudas (group theory, Dr. Klopsch)
Arshad Ali (cryptography, Dr. Cid)
Liaqat Ali (group theory, Dr. Klopsch)
Daniel Appel (group theory: Dr. Klopsch)
James Birkett (security, asymmetric cryptography: Dr. Dent).
Liang Chen (Role-Based Access Control: Dr. Crampton)
Jihoon Cho (key management, secure protocol design for mobile communications)
R. Crowston
Jonathan Cooley (Dr. McKee)
Eduarda Fraire (cryptography, authentication, digital signatures, finite fields and coding theory: Prof. Paterson)
Michelle Garner (cryptography, Prof. Martin)
Gary Greaves (Salem and Pisot numbers, Dr. McKee)
Nick Hoare (cryptography and network security, Prof. Paterson)
Mark Jones (combinatorial algorithms, Prof. Gutin and Dr. Yeo)
D. Karapateyan (discrete optimisation, Prof. Gutin)
Eun Jung Kim (combinatorial algorithms, Prof. Gutin)
Tamas Makai (graph theory, Dr. Gerke)
Ciaran Mullan (cryptography and group theory; Prof. Blackburn and Dr Cid)
Julia Novak (formerly Julia Bate) (combinatorial key management techniques: Prof. Martin).
Laurence O'Toole (DES, MARS, feistel networks)
Anastasia Panoui (combinatorics and cryptography: Prof. Blackburn)
Elizabeth Quaglia (public key cryptography, Prof. Paterson)
Penying Rochanakul (combinatorics and cryptography: Prof. Blackburn and Dr. Ng)

Lecture courses

Discrete mathematics (33 lectures, 2nd year)
Cipher systems (33 lectures, 3rd year)
Error correcting codes (33 lectures, 3rd year)
Game theory (33 lectures, 3rd year)
Theory of error correcting codes (44 lectures, p/g)
Channels (33 lectures, p/g)
Combinatorics (33 lectures, p/g)
Network Algorithms (44 lectures, p/g)
Public Key Cryptography (33 lectures)
Advanced Cypher Systems (44 lectures, p/g)
Applications of Field Theory (33 lectures, p/g)

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 3.00 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. 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. Neunhöffer (group and representation theory)
Dr. J. J. O'Connor (combinatorial group theory)
Dr. L. Olsen (analysis and combinatorics)
Dr. Y. Peresse (combinatorial and topological applications of group and semigroup theory)
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)

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

Tel: 01334 463253 Fax: 01334 463278

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

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

Research Students

Mrs N. H. Abu-Ghazalh (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 Bernd Stratmann)
Mr Y. Negi (Prof. Linton and Dr. Roney-Dougal)
Mr. M.. Pfeiffer (Prof. Ruškuc and Dr. Neunhöffer)

Mr Y. H. Peresse (Generation questions in infinite transformation semigroups, Dr. Mitchell and Dr. Quick)
Mr M. Pfeiffer (Prof Ruškuc and Dr Neunhöffer)
Miss C.R.Pollard (matrix group algorithms, Dr Roney-Dougal and Dr Neunhöffer).
Mr A. J. Samuel (Noncommutative fractal geometry, Dr. Bernd Stratmann)

Lecture courses

Discrete mathematics (50 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 Fellow

Dr. Maria Prodromou (discrete and combinatorial geometry)

Research students

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

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/>

Dr. Amin Coja-Oghlan* (random structures and algorithms)

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. Ranko Lazic (computer science and combinatorics)

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

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

Dr. Diana Piguet (combinatorics)

Dr. Harald Räcke (algorithms, network algorithms).

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. Bernhard Ries (graph theory, combinatorial optimization, complexity 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. Amin Coja-Oghlan (random structures and algorithms)

Dr Demetres Christofides (extremal and probabilistic combinatorics)

Dr. Charis Efthymiou (random structures and algorithms)

Dr. Vadim Lozin (algorithmic and structural graph theory)

Dr. Angelica Pachon-Pinzon (random structures and algorithms)

Dr. Rajiv Raman (approximation algorithms, combinatorial optimisation, graph theory).

Research Students

Anna Adamaszek (approximation algorithms, Prof. Czumaj)

Michal Adamaszek (combinatorial algebraic topology, Prof. J. Jones and Prof. Czumaj)

Konrad Dabrowski (graph theory, combinatorics, Dr. Lozin)

John Fearnley (algorithmic game theory, Dr. Jurdzinski)

Jan Hladký (combinatorics, Prof. Czumaj).

Nicholas Korpelainen (algorithmic and structural graph theory, Dr. Lozin)

Peter Krusche (efficient parallel processing, Dr. Tiskin)

Colin Mayhill (graph theory, Dr. Lozin)

Mahdi Noorizadegan (stochastic optimization)

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)

Algorithmic Graph Theory (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)

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

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

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

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

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

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

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

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

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

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

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

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

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

The stable roommates problem with globally-ranked pairs. *Internet Math.* **5** (2008) 493-515, 2008.¹

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

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

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

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

Adamaszek, A. and Adamaszek, M.

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

http://arxiv.org/PS_cache/arxiv/pdf/0909/0909.4011v1.pdf

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

PTAS for k -tour Cover Problem on the Plane for Moderately Large Values of k

In ISAAC'09 (2009) 994–1003. http://dx.doi.org/10.1007/978-3-642-10631-6_100

http://arxiv.org/PS_cache/arxiv/pdf/0904/0904.2576v1.pdf

Adamaszek, M.

[see: Adamaszek, A.]

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

Acyclic t -improper colourings of graphs with bounded maximum degree

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

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

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

Invasion percolation on the Poisson-weighted infinite tree. Submitted

http://arxiv.org/PS_cache/arxiv/pdf/0912/0912.0335v1.pdf

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

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

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

Ahmad, I. and Higgins, P. M.

Bandwidth of direct products of paths and cycles. Submitted.

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

Two classes of finite semigroups and monoids involving Lucas numbers. *Semigroup*

Forum **78** (2009) 200-209. <http://dx.doi.org/10.1007/s00233-008-9119-8>

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

Internally 4-connected binary matroids with cyclically sequential orderings. *Discrete*

Math. **310** (2010) 92-108. <http://dx.doi.org/10.1016/j.disc.2009.08.001>

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

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

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

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

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

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

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

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

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

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

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

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

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

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

On convex permutations. Preprint.

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

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

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

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

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

Aldred, R. A.

[see : Abreu, M.]

Allen, P.

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

R21. http://www.combinatorics.org/Volume_17/PDF/v17i1r21.pdf

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

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

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

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

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

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

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

The structure of almost all graphs in a hereditary property.

Preprint. http://arxiv.org/PS_cache/arxiv/pdf/0905/0905.1942v1.pdf

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

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

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

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

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

http://arxiv.org/PS_cache/arxiv/pdf/0711/0711.1604v2.pdf

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

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

2362. <http://dx.doi.org/10.1137/070709529>

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

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

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

http://www.siam.org/proceedings/soda/2010/SODA10_044_alonn.pdf

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

Searching symmetric networks with Utilitarian-Postman paths. *Networks* **53** (2009)

392-402. <http://dx.doi.org/10.1002/net.v53:4>

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

Alpern, S. and Fokkink, R.

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

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

Alpern, S. and Katrantzi, I.

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

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

Optimizing Randomized Patrols. Working paper.

http://www.lse.ac.uk/collections/operationalResearch/pdf/2009%20Working%20Papers/WP%2009_116.pdf

Amato, D.

Descendants in infinite primitive highly arc-transitive digraphs.

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

Amato, D. and Truss, J. K.

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

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

Amato, D. and Truss, J. K.

Descendant-homogeneous digraphs. Submitted.

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

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

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

http://arxiv.org/PS_cache/arxiv/pdf/0910/0910.0472v2.pdf

Ambrus, G. and Bárány, I.

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

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

http://arxiv4.library.cornell.edu/PS_cache/arxiv/pdf/0906/0906.5452v1.pdf

Anderson, I. and Preece, D. A.

Combinatorially fruitful properties of 3.2^{-1} and 3.2^{-2} modulo p . *Discrete Math.* **310**

(2010) 312-324. <http://dx.doi.org/10.1016/j.disc.2008.09.046>

Anderson, I. and Preece, D. A.

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

Anderson, I.

[see: Abel, J.]

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

Discrete low-discrepancy sequences. Preprint.

http://arxiv.org/PS_cache/arxiv/pdf/0910/0910.1077v2.pdf

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

On the representability of totally unimodular matrices on bidirected graphs. *Discrete*

Math. **309** (2009). 5024-5042. <http://dx.doi.org/10.1016/j.disc.2009.03.010>

Araújo, J., von Büнау, P., Mitchell, J. D. and Neunhoffer, M.

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

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

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

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

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

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

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

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

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

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

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

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

(13pp) <http://www.maths.qmul.ac.uk/~arrow/MaxFermiTableauxAcc.pdf>

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

The Complexity of Flood Filling Games. Preprint.

http://arxiv.org/PS_cache/arxiv/pdf/1001/1001.4420v1.pdf

Asinowski, A. and Ries, B.

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

Atkinson, M. D.

[see: Albert, M. H.]

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

On the number of square-free permutations. Preprint

http://www2.ru.is/kennarar/sergey/index_files/Papers/square-free%20perms.pdf

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

Enumeration of Nash Equilibria for Two-Player Games. *Economic Theory* **42** (2010)

9-37. <http://dx.doi.org/10.1007/s00199-009-0449-x>

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

Power indices for spanning connectivity games. In: Proceedings of 5th AAIM 2009.

Lect. Notes Comput. Sci. **5564** (2009) 55-67.

http://dx.doi.org/10.1007/978-3-642-02158-9_7

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

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

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

[http://dx.doi.org/10.1007/978-3-642-10841-](http://dx.doi.org/10.1007/978-3-642-10841-9)

[9 http://arxiv4.library.cornell.edu/abs/0909.5293](http://arxiv4.library.cornell.edu/abs/0909.5293)

Aziz, H. and Paterson, M. S.

Classification of computationally tractable weighted voting games. Lecture Notes in Engineering and Computer Science, World Congress on Engineering 2008, Volume 1, pp 129-134. http://arxiv.org/PS_cache/arxiv/pdf/0811/0811.2497v2.pdf²

Aziz, H. and Paterson, M. S.

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

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

Baber, R. and Talbot, J. M.

Hypergraphs do jump. Preprint.

http://uk.arxiv.org/PS_cache/arxiv/pdf/1004/1004.3733v1.pdf

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

The minimal density of triangles in tripartite graphs. Submitted.

http://arxiv.org/PS_cache/arxiv/pdf/0910/0910.1237v1.pdf

(A relevant computer program may be downloaded from <http://www.ucl.ac.uk/~ucahjm/GraphFinder.cc>)

Bailey, R. A.

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

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

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

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

http://www.math.uregina.ca/~bailey/papers/basesize_metdim.pdf

Balister, P. and Bollobás, B.

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

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

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

Random majority percolation. *Random Struct. Algorithms* **36** (2009) 315-340. <http://dx.doi.org/10.1002/rsa.20281>

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

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

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

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

http://arxiv.org/PS_cache/arxiv/pdf/0708/0708.4007v1.pdf

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

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

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

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

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

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

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

http://www.maths.qmul.ac.uk/~walters/papers/random_transceiver_networks.ps

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

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

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

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

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

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

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

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

Hamilton Cycles in Random Geometric Graphs. Submitted.

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

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

Bootstrap percolation in three dimensions. *Ann. Probab.* **37** (2009) 1329-1380 [http://dx.doi.org/10.1214/08-](http://dx.doi.org/10.1214/08-AOP433)

[AOP433 http://arxiv.org/PS_cache/arxiv/pdf/0806/0806.4485v1.pdf](http://arxiv.org/PS_cache/arxiv/pdf/0806/0806.4485v1.pdf)

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

Bootstrap percolation in high dimensions. Preprint.

http://arxiv.org/PS_cache/arxiv/pdf/0907/0907.3097v2.pdf

- Balogh, J., Bollobás, B., Saks, M. and Sós, V. T.**
The unlabelled speed of a hereditary graph property. *J. Comb. Theory Ser. B* **99** (2009) 9-19. <http://dx.doi.org/10.1016/j.jctb.2008.03.004>
<http://www.math.ucsd.edu/~jbalog/cikk/divsub.ps>
- Balogh, J., Bollobás, B. and Simonovits, M.**
The typical structure of graphs without given excluded subgraphs. *Random Struct. Algorithms* **34** (2009) 305-318. <http://dx.doi.org/10.1002/rsa.v34:3>
<http://www.math.ucsd.edu/~jbalog/cikk/bbssubm.pdf>
- Balogh, J.**
[see: Alon, N.]
- Bampas, E., Gaşieniec, L., Hanusse, N., Ilcinkas, D., Klasing, R. and Kosowski, A.**
Euler Tour Lock-Problem in the Rotor-Router Model. In DISC 2009.
http://hal.archives-ouvertes.fr/docs/00/40/27/49/PDF/final_DISC2009.pdf
- Bampas, E., Gaşieniec, L., Klasing, R., Kosowski, A. and Radzik T.**
Robustness of the Rotor-Router mechanism. In OPODIS 2009. *Lect. Notes Comput. Sci.* **5923** (2009) 345-358. http://dx.doi.org/10.1007/978-3-642-10877-8_27
- Bang-Jensen, J., and Gutin, G.**
Digraphs: Theory, Algorithms and Applications. (2nd edition). Springer, London, 2009. ISBN: 978-1-84800-997-4
- Bárány, I., Por, A. and Valtr, P.**
Paths with no small angle. *SIAM J. Discrete Math.* **23** (2009) 1655-1666.
http://www.renyi.hu/EU_CIKKEK/BaranyPorValtr.pdf
- Bárány, I.**
[see: Ambrus, G., Arocha, J.]
- Barthe, F. and O'Connell, N.**
Matchings and the variance of Lipschitz functions. *ESAIM: Probability and Statistics*, 13:400–408, 2009.
- Baston, V.**
[see: Alpern, S.]
- Bates, C., Bundy, D., Hart, S. and Rowley, P.**
A note on commuting graphs for the symmetric group. *Electron. J. Comb.* **16** (2009) R6. http://www.combinatorics.org/Volume_16/PDF/v16i1r6.pdf
- Batu, T., Berenbrink, P. and Sohler, C.**
A Sublinear-Time Approximation Scheme for Bin Packing. *Theor. Comput. Sci.* **410** (2009) 5082-5092.
<http://www.maths.lse.ac.uk/Personal/batu/papers/sblnrbinpack.pdf>
- Bauer, D., Broersma, H. J., van den Heuvel, J., Kahl, N. and Schmeichel, E.**
Degree Sequences and the Existence of k -Factors. Submitted.
http://arxiv.org/PS_cache/arxiv/pdf/0912/0912.2916v1.pdf
- Bauer, D., Broersma, H. J., van den Heuvel, J., Kahl, N. and Schmeichel, E.**
Toughness and vertex degrees. Submitted.
http://arxiv.org/PS_cache/arxiv/pdf/0912/0912.2919v1.pdf
- Baur, K. and Marsh, R. J.**
Frieze patterns for punctured discs. *J. Algebr. Comb.* **30** (2009) 349-379 <http://dx.doi.org/10.1007/s10801-008-0161-0>
http://www.maths.leeds.ac.uk/~marsh/research_articles/pp28.pdf
- Behrisch, M., Coja-Oghlan, A., Kang, M.**
The order of the giant component of random hypergraphs. *Random Struct. Algorithms* **36** (2010) 149-184. <http://dx.doi.org/10.1002/rsa.20282>
<http://web.mac.com/aminco/papers/jlimit9.pdf>

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

Topics in Topological Graph Theory. *Encyclopedia of Mathematics and its Applications* **128**. Cambridge University Press, 2009. ISBN-13: 9780521802307

Beineke, L.W. and Wilson, R.J.

The early history of the brick factory problem. *Math. Intell.*, to appear.

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

An automaton-theoretic approach to the representation theory of quantum algebras. *Adv. Math.* **223** (2010) 476-

510. <http://dx.doi.org/10.1016/j.aim.2009.08.013> http://arxiv.org/PS_cache/arxiv/pdf/0901/0901.4707v1.pdf

Bender, E. A., Olde Daalhuis, A. B., Gao, Z, Richmond L. B. and Wormald, N.

Asymptotics of Some Convolutional Recurrences. *Electron J. Comb.* **17** (2010)

R1. http://www.combinatorics.org/Volume_17/PDF/v17i1r1.pdf

Benevides, F. and Skokan, J.

The 3-colored Ramsey number of even cycles. *J. Comb. Theory Ser. B* **99** (2009)

690-708 <http://dx.doi.org/10.1016/j.jctb.2008.12.002>

Ben-Sasson, E., Harsha, P., Lachish, O. and Matsliah, A.

Sound 3-Query PCPPs Are Long. *ACM Trans. Comput. Theory* **1** (2009) 1–49

<http://doi.acm.org/10.1145/1595391.1595394>

<http://www.cs.technion.ac.il/~eli/papers/ipcpp.pdf>

Ben-Sasson, E., Harsha, P., Lachish, O. and Matsliah, A.

Sound 3-Query PCPPs Are Long. *Lect. Notes Comput. Sci.* **5125** (2009) 686–

697. http://dx.doi.org/10.1007/978-3-540-70575-8_56

Bentz, C., Costa, M.-C., Picouleau, C., Ries, B. and de Werra, D.

Degree-constrained edge partitioning in graphs arising from discrete tomography *J. Graph Algorithms Appl.* **13** (2009) 99–118.

<http://www.cs.brown.edu/sites/jgaa/accepted/2009/Bentz+2009.13.2.pdf>

Bentz, C., Costa, M.-C., Picouleau, C., Ries, B., de Werra, D. and Zenklusen, R.

Blockers and transversals in some subclasses of bipartite graphs: when caterpillars are dancing on a grid. *Discrete Math.* **310** (2010) 132-

146. <http://dx.doi.org/10.1016/j.disc.2009.08.009>

Bentz, C., Costa, M.-C., Picouleau, C., Ries, B., de Werra, D. and Zenklusen, R.

Blockers and transversals. *Discrete Math.* **309** (2009) 4306–

4314. <http://dx.doi.org/10.1016/j.disc.2009.01.006>

Berenbrink, P., Brinkmann, A., Friedetzky, T. and Nagel, L.

Balls into non-uniform bins. In *Proceedings of the 24th IEEE International Parallel and Distributed Processing Symposium (IPDPS)*. IEEE, April 2010. To appear.

<http://www.dur.ac.uk/tom.friedetzky/Papers/2010%5BBBFN%5D%20Balls%20into%20Non-uniform%20Bins%200.pdf>

Berenbrink, P., Brinkmann, A., Friedetzky, T. and Nagel, L.

Balls into bins with related random choices. In *Proceedings of the 22nd ACM Symposium on Parallelism in Algorithms and Architectures (SPAA)*. ACM Press, June 2010. To appear.

Berenbrink, P., Cooper, C. and Hu, Z.

Energy efficient randomised communication in unknown AdHoc networks. *Theor.*

Comput. Sci. **410** (2009) 2549-2561. <http://dx.doi.org/10.1016/j.tcs.2009.02.002>

<http://www.dcs.kcl.ac.uk/staff/ccoooper/papers/efficient-adhoc.pdf>

Berenbrink, P.

[see: Batu, T.]

Berestycki, N.

Emergence of giant cycles and slowdown transition in random transpositions and k -cycles. Preprint. http://arxiv.org/PS_cache/arxiv/pdf/1004/1004.3530v1.pdf

Berestycki, N., Schramm, O. and Zeitouni, O.
Mixing times for random k -cycles and coalescence-fragmentation chains. Submitted.
<http://www.wisdom.weizmann.ac.il/~zeitouni/pdf/pmix18.pdf>

Bernardi, O., Noy, M. and Welsh, D. J. A.
Growth constants of minor-closed classes of graphs. Preprint
<http://www.math.u-psud.fr/~bernardi/publications/growth-new.pdf>

Bhatti, F.
[see: Arrowsmith, D. K.]

Biane, P., Bougerol, P. and O'Connell, N.
Continuous crystals and Duistermaat-Heckman measure for Coxeter groups. *Adv. Math.* **221** (2009) 1522-1583 <http://dx.doi.org/10.1016/j.aim.2009.02.016>
http://arxiv.org/PS_cache/arxiv/pdf/0804/0804.2356v2.pdf

Bienert, R. and Klopsch, B.
Automorphism groups of cyclic codes. *J. Algebr. Comb.* **31** (2010) 33-52.
<http://dx.doi.org/10.1007/s10801-009-0179-y>
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.* **14** (2009) 290-301.
http://www.emis.de/journals/EJP-ECP/_ejpecp/ECP/include/getdoc0038.pdf

Biggs, N. L.
Tutte Polynomials of Bracelets. *J. Algebr. Comb.* **31** (2010)
<http://dx.doi.org/10.1007/s10801-010-0220-1>
<http://www.cdam.lse.ac.uk/Reports/Files/cdam-2009-01.pdf>

Biggs, N. L.
Strongly Regular Graphs with No Triangles. Research Report (2009). http://uk.arxiv.org/PS_cache/arxiv/pdf/0911/0911.2160v1.pdf

Biggs, N. L.
Families of Parameters for SRNT Graphs. Research Report (2009). http://uk.arxiv.org/PS_cache/arxiv/pdf/0911/0911.2455v1.pdf

Biggs, N. L.
The Second Subconstituent of some Strongly Regular Graphs. Research Report, 2010.
http://uk.arxiv.org/PS_cache/arxiv/pdf/1003/1003.0175v1.pdf

Bilò, D., Erlebach, T., Mihalak, M. and Widmayer, P.
Discovery of network properties with all-shortest-paths queries. *Theor. Comput. Sci.* **411** (2010) 1626-1637. <http://dx.doi.org/10.1016/j.tcs.2010.01.010>

Birand, B., Chudnovsky, M., Ries, B., Seymour, P., Zussman, G. and Zwols, Y.
Analyzing the Performance of Greedy Maximal Scheduling via Local Pooling and Graph Theory. *Proceedings of INFOCOM 2010*, to appear.

Biró, P.
Stochastic process in matching markets. Submitted.

Biró, P., Fleiner, T., Irving, R. W. and Manlove, D. F.
The College Admissions problem with lower and common quotas. Submitted.
http://www.dcs.gla.ac.uk/publications/PAPERS/9150/TR_2009_303.pdf

Biró, P. and Fleiner, T.
The Integral stable allocation problem on graphs. *Discrete Optim.* **7** (2010) 64-73. <http://dx.doi.org/10.1016/j.disopt.2010.02.002>
http://www.dcs.gla.ac.uk/publications/PAPERS/8998/sa_tr.pdf

Biró, P., Irving R. and Manlove D. F.

Popular matchings in the Marriage and Roommates problems. To appear in *Proceedings of CIAC 2010: the 7th International Conference on Algorithms and Complexity*. <http://www.dcs.gla.ac.uk/publications/paperdetails.cfm?id=9285>

Biró, P., Kern, W. and Paulusma, D.

On solution concepts for matching games. To appear in *Proceedings of TAMC 2010: the 7th Annual Conference on Theory and Applications of Models of Computation*, *Lect. Notes Comput. Sci.* (2010)

Biró, P., Manlove D. and Mittal, S.

Size versus stability in the matching problem. *Theor. Comput. Sci.* **411** (2010) 1828-1841. <http://dx.doi.org/10.1016/j.tcs.2010.02.003>

Biró, P., Manlove D. and Rizzi, R.

Maximum weight cycle packing in directed graphs, with application to kidney exchange programs. *Discrete Mathematics, Algorithms and Applications*, **1** (2009) 499-517. <http://www.worldscinet.com/dmaa/01/0104/S1793830909000373.html>

Biró, P. and McDermid, E.

Matching with sizes (or scheduling with processing set restrictions). To appear in *Proceedings of ISCO: International Symposium on Combinatorial Optimization*, *Electronic Notes on Discrete Mathematics*, Elsevier, 2010.

Biró, P. and McDermid, E.

Three-sided stable matchings with cyclic preferences. *Algorithmica* **51** (2009) <http://dx.doi.org/10.1007/s00453-009-9315-2>

Björnberg, J. and Grimmett, G. R.

The phase transition of the quantum Ising model is sharp. *J. Stat. Phys.* **136** (2009) 231-273. <http://dx.doi.org/10.1007/s10955-009-9788-z>
<http://www.statslab.cam.ac.uk/~grg/papers/qimUS.pdf>

Blackburn, S. R.

Cryptanalysing the critical group: Efficiently solving Biggs's discrete logarithm problem. *J. Math. Cryptol.* **3** (2009) 199–203.
<http://dx.doi.org/10.1515/JMC.2009.010> <http://eprint.iacr.org/2008/170.pdf>

Blackburn, S. R.

The discrete logarithm problem modulo one: cryptanalysing the Ariffin-Abu cryptosystem. Preprint. <http://eprint.iacr.org/2010/114.pdf>

Blackburn, S. R., Cid C. and Mullan, C.

Cryptanalysis of the MST_3 public key cryptosystem. *J. Math. Cryptol.*, to appear. <http://eprint.iacr.org/2009/248.pdf>

Blackburn, S. R., Cid C. and Mullan, C.

Group theory in cryptography, *Proceedings of Groups St Andrews 2009*, to appear. http://arxiv.org/PS_cache/arxiv/pdf/0906/0906.5545v2.pdf

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

Distinct difference configurations: Multihop paths and key predistribution in sensor networks. *IEEE Trans. Inf. Theory*, to appear. 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. *IEEE Trans. Inform. Theory*, to appear. http://arxiv.org/PS_cache/arxiv/pdf/0811/0811.3832v1.pdf

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

Traceability codes. *J. Comb. Theory – Ser. A*, to appear. <http://dx.doi.org/10.1016/j.jcta.2010.02.009>

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

Blackburn, S. R. and Gerke, S.

Connectivity of the Uniform Random Intersection Graph. *Discrete Math.* **309** (2009) 5130-5140. <http://dx.doi.org/10.1016/j.disc.2009.03.042>

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

Blackburn, S. R., Panoui, A., Paterson, M. B. and Stinson, D. R.

Honeycomb arrays.

Preprint. http://arxiv.org/PS_cache/arxiv/pdf/0911/0911.2384v1.pdf

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

Putting dots in triangles. Preprint.

http://arxiv.org/PS_cache/arxiv/pdf/0910/0910.4325v2.pdf

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

Laguerre-type derivatives: Dobinski relations and combinatorial identities.

Journal of Mathematical Physics **50**, 083512.

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

Boerner, F., Bulatov, A., Chen, H., Jeavons, P. and Krokhin, A.

The complexity of constraint satisfaction games and QCSP

Inf. Comput. **207** (2009) 923-944. <http://dx.doi.org/10.1016/j.ic.2009.05.003>

<http://www.dur.ac.uk/andrei.krokhin/papers/QCSPrevision2.pdf>

Bohman, T. and Keevash, P.

The early evolution of the H-free process. Submitted.

<http://www.maths.qmul.ac.uk/~keevash/papers/hfree.pdf>

Bollobás, B., Borgs, C., Chayes, J. and Riordan, O.

Percolation on dense graph sequences. *Ann. Probab.* **38** (2010) 150-183.

<http://dx.doi.org/10.1214/09-AOP478>

http://arxiv.org/PS_cache/math/pdf/0701/0701346v3.pdf

Bollobás, B., Brightwell G. R. and Morris, R. D.

Shadows of ordered graphs. Preprint.

http://arxiv.org/PS_cache/arxiv/pdf/0906/0906.3724v1.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/0807/0807.2040v2.pdf

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

On covering by translates of a set.

Preprint. http://arxiv.org/PS_cache/arxiv/pdf/0910/0910.3815v1.pdf

Bollobás, B., Kozma, R. and Miklós, D. (eds.)

Handbook of large-scale random networks. Bolyai Society Mathematical Studies **18** (2009). Springer, Berlin. ISBN: 978-3-540-69394-9.

Bollobás, B., Leader, I. B. and Walters, M.

Lion and Man – Can Both Win? Preprint.

http://arxiv.org/PS_cache/arxiv/pdf/0909/0909.2524v1.pdf

Bollobás, B. and Nikiforov, V.

The number of graphs with large forbidden subgraphs. Preprint.

http://arxiv.org/PS_cache/arxiv/pdf/1001/1001.4249v1.pdf

Bollobás, B. and Nikiforov, V.

Large joints in graphs.

Preprint. http://arxiv.org/PS_cache/arxiv/pdf/1001/1001.2073v1.pdf

Bollobás, B. and Riordan, O. M.

Percolation on self-dual polygon configurations. Preprint.

http://arxiv.org/PS_cache/arxiv/pdf/1001/1001.4674v1.pdf

Bollobás, B. and Riordan, O. M.

Sparse graphs: metrics and random models. *Random Struct. Algorithms*, to appear.

http://arxiv.org/PS_cache/arxiv/pdf/0812/0812.2656v3.pdf

Bollobás, B. and Riordan, O. M.

Clique percolation. *Random Struct. Algorithms* **35** (2009) 294-322.

<http://dx.doi.org/10.1002/rsa.20270>

http://arxiv.org/PS_cache/arxiv/pdf/0804/0804.0867v2.pdf

Bollobás, B. and Riordan, O. M.

Metrics for sparse graphs. 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) http://arxiv.org/PS_cache/arxiv/pdf/0812/0812.2656v2.pdf

Bollobás, B. and Riordan, O. M.

Erratum to: percolation on random Johnson-Mehl tessellations and related models. *Probab. Theory Relat. Fields* **146** (2010) 567-570.

Bollobás, B. and Scott, A. D.

Intersections of graphs. *J. Graph Theory*, to appear.

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

Bollobás, B. and Tyomkyn, M.

Walks in paths and trees.

Preprint. http://arxiv.org/PS_cache/arxiv/pdf/1002/1002.2768v1.pdf

Bollobás, B.

[see: Alon, N., Balister, P., Balogh, J.]

Bonato, A., Golovach, P. A., Hahn, G. and Kratochvíl, J.

The capture time of a graph. *Discrete Appl. Math.* **309** (2009) 5588–5595.

Borg, P. and Holroyd, F. C.

The Erdős-Ko-Rado properties of set systems defined by double partitions. *Discrete Math.* **309** (2009) 4754-4761. <http://dx.doi.org/10.1016/j.disc.2008.05.052>

http://staff.um.edu.mt/pbor1/publications/paper1_final.pdf

Borg, P. and Holroyd, F. C.

The Erdős-Ko-Rado property of various graphs containing singletons. *Discrete Math.* **309** (2009) 2877-2885. <http://dx.doi.org/10.1016/j.disc.2008.07.021>

<http://staff.um.edu.mt/pbor1/publications/P%20Borg%20and%20F%20Holroyd.pdf>

Borg, P. and Leader, I. B.

Multiple cross-intersecting families of signed sets. *J. Comb. Theory Ser. A* **117** (2010) 583-588 <http://dx.doi.org/10.1016/j.jcta.2009.11.010>

http://staff.um.edu.mt/pbor1/publications/Revision_1612.pdf

Borgs, C.

[see: Bollobás, B.]

Böttcher, J., Hladký, J. and Piguet, D.

The tripartite Ramsey number for trees. *Electron. Notes Discrete Math.* **34** (2009) 597–601. <http://dx.doi.org/10.1016/j.endm.2009.07.101>

Böttcher, J., Hladký, J. and Piguet, D.

The tripartite Ramsey number for trees.

Preprint.³ http://arxiv.org/PS_cache/arxiv/pdf/0904/0904.3433v1.pdf

Böttcher, J.

³ This is a more detailed version of the announcement in the previous note.

[see: Allen, P.]

Bougerol, P.

[see: Biane, P.]

Bracho, X.

[see: Arocha, J.]

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

On independent vertex sets in subclasses of apple-free graphs. *Algorithmica* **56** (2010) 383-393. <http://dx.doi.org/10.1007/s00453-008-9176-0>

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

Independent sets of maximum weight in apple-free graphs. *SIAM J. Discrete. Math.* **24** (2010) 239-254.

<http://dx.doi.org/10.1137/090750822>

Brandt, M., Dipper, R., James, G. D. and Lyle, S.

Rank polynomials. *Proc. Lond. Math. Soc.* **98** (2009) 1-18 <http://dx.doi.org/10.1112/plms/pdn018>

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

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

Breuillard, E. and Green, B. J.

Approximate groups, I: the torsion-free nilpotent case. Preprint.

http://arxiv.org/PS_cache/arxiv/pdf/0906/0906.3598v1.pdf

Breuillard, E. and Green, B. J.

Approximate groups, II: the solvable linear case. Preprint.

http://arxiv.org/PS_cache/arxiv/pdf/0907/0907.0927v1.pdf

Breuillard, E., Green, B. J. and Tao, T.

Linear Approximate Groups. Submitted.

http://arxiv.org/PS_cache/arxiv/pdf/1001/1001.4570v4.pdf

Brightwell, G. R., Cohen, G., Fachini, E., Fairthorne, M., Körner, J., Simonyi, G. and Tóth, A.

Permutation capacities of families of oriented infinite paths. *SIAM J. Discrete Math.*, to appear.

http://www-rocq.inria.fr/secret/Jean-Pierre.Tillich/publications_COCQ/cohen1.pdf

Brightwell, G. R. and Georgiou, N.

Continuum limits for classical sequential growth models. *Random Struct. Algorithms* **36** (2009) 218-250. <http://dx.doi.org/10.1002/rsa.20278>

<http://www.maths.bris.ac.uk/~maxng/contlim.pdf>

Brightwell, G. R., Panagiotou, K. and Steger, A.

Extremal Subgraphs of Random graphs: An Extended Version. Preprint.

http://arxiv.org/PS_cache/arxiv/pdf/0908/0908.3778v1.pdf⁴

Brightwell, G. R. and Patel, V.

Average relational distance in linear extensions of posets. *Discrete Math.* **310** (2010) 1016-1021. <http://dx.doi.org/10.1016/j.disc.2009.10.016>

[http://www.dur.ac.uk/viresh.patel/Linear-Extensions-\(revised\).pdf](http://www.dur.ac.uk/viresh.patel/Linear-Extensions-(revised).pdf)

Brightwell, G. R. and Winkler, P.

Submodular percolation. *SIAM J. Discrete. Math.* **23** (2009) 1149-1178. <http://dx.doi.org/10.1137/07069078X>

<http://www.math.dartmouth.edu/~pw/papers/siam-submod.pdf>

Brightwell, G. R.

⁴ A shorter version has been submitted elsewhere.

[see: Bollobás, B.]

Brignall, R.

Grid classes and partial well-order.

Submitted. <http://www.maths.bris.ac.uk/~marlfb/papers/pwo-grid-classes.pdf>

Brignall, R., Ruškuc, N. and Vatter, V.

Simple extensions of combinatorial structures. Submitted.

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

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

Almost avoiding permutations. *Discrete Math.* **309** (2009) 6626-

6631. <http://dx.doi.org/10.1016/j.disc.2009.06.027> <http://www.maths.bris.ac.uk/~marlfb/papers/almost.pdf>

Brimberg, J., Ilić, A., Mladenović, N. and Urošević, D.

Variable neighborhood search for solving the uncapacitated single allocation p -hub median problem. *Eur. J. Oper. Res* **206** (2010) 289-300.

<http://dx.doi.org/10.1016/j.ejor.2010.02.022>

Brimberg, J., Mladenović, N., Ngai, E. and Urošević, D.

Variable neighborhood search for the heaviest k -subgraph. *Comput. Oper. Res.* **36**

(2009) <http://dx.doi.org/10.1016/j.cor.2008.12.020>

Brinkmann, A.

[see: Berenbrink, P.]

Briskorn, D., van 't Hof, P. and Post, G.

Round robin tournaments with minimum number of breaks and two teams per club.

Submitted. [http://www.bwl.uni-](http://www.bwl.uni-kiel.de/bwl/institute/Prod/team/briskorn/TwoTeamsPerClub2009.pdf)

[kiel.de/bwl/institute/Prod/team/briskorn/TwoTeamsPerClub2009.pdf](http://www.bwl.uni-kiel.de/bwl/institute/Prod/team/briskorn/TwoTeamsPerClub2009.pdf)

Britnell, J. R. and Wildon M.

Commuting elements in conjugacy classes: An application of Hall's Marriage Theorem. *J. Group Theory* **12** (2009) 795-

802. <http://dx.doi.org/10.1515/JGT.2009.013> <http://www.maths.bris.ac.uk/~mazzmjw/Maths/LinkingCosets4.pdf>

Broersma, H. J., Fomin, F. V., Golovach, P. A. and Paulusma, D.

Three complexity results on coloring P_k -free graphs, accepted for IWOCA 2009. *Lect. Notes Comput. Sci.* **5874** (2009) 495-504.

http://dx.doi.org/10.1007/978-3-642-10217-2_12

Broersma, H. J., Fomin, F. V., van 't Hof, P. and Paulusma, D.

Fast exact algorithms for hamiltonicity in claw-free graphs. Proceedings of the 35th International Workshop on Graph-Theoretic Concepts in Computer Science (WG 2009), Montpellier, France, June 24-26, 2009, *Lect. Notes Comput. Sci.* **5911** (2010)

44-53. http://dx.doi.org/10.1007/978-3-642-11409-0_4

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.* **309** (2009) 5596-5609 <http://dx.doi.org/10.1016/j.disc.2008.04.007>

Broersma, H. J., Kratsch, D. and Woeginger, G. J.

Fully decomposable split graphs, accepted for IWOCA 2009. *Lect. Notes Comput. Sci.* **5874** (2009) 4105-4112. http://dx.doi.org/10.1007/978-3-642-10217-2_13

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* **29** (2009) 143-162

http://www.discuss.wmie.uz.zgora.pl//gt/29_1/gt29-561.htm

Broersma, H. J., and Paulusma, D.

- Computing sharp 2-factors in claw-free graphs. *J. Discrete Algorithms*, to appear. <http://dx.doi.org/10.1016/j.jda.2009.07.001>
- Broersma, H. J., Paulusma, D. and Yoshimoto, K.**
Sharp upper bounds for the minimum number of components of 2-factors in claw-free graphs. *Graphs Comb.* **25** (2009) 427-460.
<http://dx.doi.org/10.1007/s00373-009-0855-7>
- Broersma, H. J. and Vumar, E.**
On hamiltonicity of P_3 -dominated graphs. *Math. Methods Oper. Res.* **69** (2009) 297-306. <http://dx.doi.org/10.1007/s00186-008-0260-7>
- Broersma, H. J.**
[see: Bauer, D.]
- Brouwer, A. E. and Spence, E.**
Cospectral graphs on 12 vertices. *Electron. J. Comb* **16** (2009) N20.
http://www.combinatorics.org/Volume_16/PDF/v16i1n20.pdf
- Bruen, A. A., Hirschfeld, J. W. P. and Wehlau, D. L.**
Cubic curves, finite geometry and cryptography. Submitted.
- Brunk, F. T. and Ruškuc, N.**
Largest intersecting families of almost linear posets. Preprint.
<http://www-circa.mcs.st-and.ac.uk/Preprints/posetpaper.pdf>
- Brunk, F. T. and Huczynska, S.**
Some Erdős-Ko-Rado Theorems for Injections. Preprint.
<http://www-circa.mcs.st-and.ac.uk/Preprints/EJCBruHuc.pdf>
- Bukh, B.**
Set families with a forbidden poset. *Electron. J. Comb.* **16** (2009) R142.
http://www.combinatorics.org/Volume_16/PDF/v16i1r142.pdf
- Bukh, B, Matoušek, J. and Nivasch, G.**
Stabbing simplices by points and flats. *Discrete Comput. Geom.* **43** (2010) 321-338.
http://arxiv.org/PS_cache/arxiv/pdf/0804/0804.4464v2.pdf
- Bukh, B, Matoušek, J. and Nivasch, G.**
Lower bounds for weak epsilon-nets and stair-convexity. *Isr. J. Math*, to appear.
http://arxiv.org/PS_cache/arxiv/pdf/0812/0812.5039v2.pdf
- Bukh, B, and Tsimmerman, J.**
Sum-product estimates for rational functions. Preprint.
http://arxiv.org/PS_cache/arxiv/pdf/1002/1002.2554v1.pdf
- Bukh, B.**
[see: Alon, N.]
- Bulatov, A., Dyer, M. E., Goldberg, L. A., Jalsenius, M. and Richerby, D.**
The Complexity of Weighted Boolean #CSP with Mixed Signs. *Theor. Comput. Sci.* **410** (2009) 3949-3961. <http://dx.doi.org/10.1016/j.tcs.2009.06.003>
<http://arxiv.org/abs/0812.4171>
- Bulatov, P.**
[see: Boerner, F.]
- von Bünau, P.**
[see: Araújo, J.]
- Bundy, D.**
[see: Bates, C.]
- Butkovič, P.**
Max-linear Systems: Theory and Algorithms. Textbook. Springer 2010, to appear.
- Cain, A. J., Oliver, G. P., Ruškuc, N. and Thomas, R. M.**

- Automatic presentations for semigroups. *Inf. Comput.* **207** (2009) 1156-1168. <http://dx.doi.org/10.1016/j.ic.2009.02.005>
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 and semigroup constructions. *Theor. Comput. Syst.*, 2009
<http://dx.doi.org/10.1007/s00224-009-9216-4>
http://www-history.mcs.st-and.ac.uk/~alanc/publications/cort_const/cort_const.pdf
- Cameron, P. J.**
Decompositions of complete multipartite graphs. *Discrete Math.* **309** (2009) 4185-4186. <http://dx.doi.org/10.1016/j.disc.2008.10.021> <http://www.maths.qmul.ac.uk/~pj/c/preprints/affine2.pdf>
- Cameron, P. J.**
A generalisation of t -designs, *Discrete Math.* **309** (2009) 4835-4842 <http://dx.doi.org/10.1016/j.disc.2008.07.005>
- Cameron, P. J.**
Root systems and optimal block designs, *Michigan Math. J.* **58** (2009), 181-194.
<http://dx.doi.org/10.1307/mmj/1242071687>
- Cameron, P. J.**
Oligomorphic permutation groups, in *Perspectives in Mathematical Sciences II: Pure Mathematics* (ed. N. S. Narasimha Sastry, T. S. S. R. K. Rao, Mohan Delampady and B. Rajeev), World Scientific, Singapore, 2009, pp. 37-61; ISBN 978-981-4273-64-0
- Cameron, P. J.**
The power graph of a finite group, II. *J. Group Theory*, to appear. <http://www.maths.qmul.ac.uk/~pj/c/preprints/powergraph2.pdf>
- Cameron, P. J.**
Problems from the BCC21. *Discrete Math.* **310** (2010) 347-354.
<http://dx.doi.org/10.1016/j.disc.2009.04.016>
- Cameron, P. J.**
Problems from CGCS Luminy (Editor). *Eur. J. Comb.* **31** (2010) 644-648. <http://dx.doi.org/10.1016/j.ejc.2009.03.045>
- Cameron, P. J.**
Permutation codes. *Eur. J. Comb.* **31** (2010) 482-490. <http://dx.doi.org/10.1016/j.ejc.2009.03.044>
- Cameron, P. J. and Ghosh, S.**
The power graph of a finite group. *Discrete Math.*, to appear.
<http://dx.doi.org/10.1016/j.disc.2010.02.011>
<http://www.maths.qmul.ac.uk/~pj/c/preprints/power5.pdf>
- Cameron, P. J., Kang, M. and Stark, D. S.**
Random preorders and alignments, *Discrete Math.* **310** (2010) 591-603
<http://dx.doi.org/10.1016/j.disc.2009.04.021>
- Cameron, P. J. and Lockett, D.**
Posets, homomorphisms and homogeneity. *Discrete Math.* **310** (2010) 604-613. <http://dx.doi.org/10.1016/j.disc.2009.04.027>
<http://www.maths.qmul.ac.uk/~pj/c/preprints/phh21.pdf>
- Cameron, P. J., Prellberg, T. and Stark, D.**
Asymptotic enumeration of 2-covers and line graphs. *Discrete Math.* **310** (2010) 230-240. <http://dx.doi.org/10.1016/j.disc.2008.09.008> <http://www.maths.qmul.ac.uk/~pj/c/preprints/cover.pdf>

Cameron, P. J. and Wu, T.

The complexity of the weight problem for permutation and matrix groups. *Discrete Math.* **310** (2010) 408-416. <http://dx.doi.org/10.1016/j.disc.2009.03.005>
<http://www.maths.qmul.ac.uk/~pjc/preprints/Metrics3.pdf>

Cameron, P. J.

[see: Bailey, R. F.]

Campero-Arena, G. and Truss, J. K.

1-transitive cyclic orderings, *J. Combin. Theory Ser. A*, **116** (2009) 581-594.
<http://dx.doi.org/10.1016/j.jcta.2008.08.006>

Campbell, C. M. and Campbell, P. P.

The Fibonacci lengths of binary polyhedral groups and related groups, *Congr. Numerantium* **194** (2009) 95 - 102.

Campbell, C. M.

[see: Ahmadidelir, K.]

Campbell, H. E. A., Shank, R. J. and Wehlau, D. E.

Vector invariants for the two dimensional modular representation of a cyclic group of prime order., *Adv. Math.*, in press. <http://dx.doi.org/10.1016/j.aim.2010.03.018>
http://arxiv.org/PS_cache/arxiv/pdf/0901/0901.2811v2.pdf

Campbell, P. P.

[see: Campbell, C. M.]

Campero-Arena, G. and Truss, J. K.

1-transitive cyclic orderings. *J. Comb. Theory Ser. A* **116** (2009) 581-594.
<http://dx.doi.org/10.1016/j.jcta.2008.08.006>

Caracciolo, S., Sokal, A. D., and Sportiello, A.

Noncommutative determinants, Cauchy--Binet formulae, and Capelli-type identities. I. Generalizations of the Capelli and Turnbull identities. *Electron. J. Combin.* **16** (2009) R103. http://www.combinatorics.org/Volume_16/PDF/v16i1r103.pdf

Cardoso, D. M., Korpelainen, N. and Lozin, V. V.

On the complexity of the dominating induced matching problem in hereditary classes of graphs. *Discrete. Appl. Math.*, to appear.

Cardoso D. M. and Lozin, V. V.

Dominating induced matchings. *Lect. Notes Comput. Sci* **5420** (2009) 77-86. http://dx.doi.org/10.1007/978-3-642-02029-2_8

Cardoso D.M. and Rowlinson P.

Spectral upper bounds for the order of a k -regular induced subgraph. Submitted.

Cariolaro, D. and Hilton, A. J. W.

An application of Tutte's theorem to 1-factorization of regular graphs of high degree, *Discrete Math.* **309** (2009) 4736-4745. <http://dx.doi.org/10.1016/j.disc.2008.05.046>
<http://www.math.sinica.edu.tw/post-doctor/cariolaro/webtutte2.pdf>

Carlson, J., Neunhoffer, M. and Roney-Dougal, C. M.

A polynomial-time reduction algorithm for groups of semilinear or subfield class. *J. Algebra* **322** (2009) 613-637. <http://dx.doi.org/10.1016/j.jalgebra.2009.04.022>
<http://www-groups.mcs.st-and.ac.uk/~neunhoef/Publications/pdf/subfield.final.pdf>

Carvalho, C., Dalmau, V. and Krokhin, A.

CSP duality and trees of bounded pathwidth. Submitted.

<http://www.dur.ac.uk/andrei.krokhin/papers/treebpw-journal-revised7.pdf>

Carvalho, C., Dalmau, V. and Krokhin, A.

Two new homomorphism dualities and lattice operations. Submitted.

<http://www.dur.ac.uk/andrei.krokhin/papers/cater-jelly-submit.pdf>

Cereceda, L., van den Heuvel, J. and Johnson, M.

- Mixing 3-colourings in bipartite graphs. *Eur. J. Comb.* **30** (2009) 1593-1606.
<http://dx.doi.org/10.1016/j.ejc.2009.03.011>
<https://www.dur.ac.uk/matthew.johnson2/research/papers/cdam-2007-06.pdf>
- Cereceda, L., van den Heuvel, J. and Johnson, M.**
Finding Paths Between 3-Colourings. *J. Graph Theory*, to appear.
<https://www.dur.ac.uk/matthew.johnson2/research/papers/cdam-2007-31.pdf>
- Chan, H., Chang, K. and Raman, R.**
An SDP Primal-Dual Algorithm for Approximating the Lovász-Theta function.
In IEEE International Symposium on Information Theory (ISIT), 2009.
http://www.cs.cmu.edu/afs/cs/Web/People/hubert/isit_2009.pdf
- Chang, K.**
[see; Chan, H.]
- Chayes, J.**
[see: Bollobás, B.]
- Chavez-Lomelí, L., Merino, C., Noble, S. D. and Ramírez-Ibañez, M.**
Some inequalities for the Tutte polynomial. Preprint.
http://arxiv.org/PS_cache/arxiv/pdf/1004/1004.2639v1.pdf
- Chebolu, P., Cryan, M. and Martin, R.**
Exact counting of Euler tours for series-parallel graphs. Manuscript.
- Chebolu, P., Goldberg, L. A. and Martin, R.**
The Complexity of Approximately Counting Stable Matchings. Preprint.
http://arxiv.org/PS_cache/arxiv/pdf/1004/1004.1836v1.pdf
- Chen, B.**
Equilibria in load balancing games. *Acta Math. Appl. Sin., Engl. Ser.* **25** (2009) 723–736. <http://dx.doi.org/10.1007/s10255-009-8832-8>
- Chen, H.**
[see: Boerner, F.]
- Chicot, K. M., Grannell, M. J., Griggs, T. S. and Webb, B. S.**
On sparse countably infinite Steiner triple systems. *J. Comb. Des.* **18** (2009) 115-122. <http://dx.doi.org/10.1002/jcd.20227>
<http://mcs.open.ac.uk/mjg47/Papers/sparsecist.pdf>
- Christofides, D.**
Influences of monotone Boolean functions. *Discrete Math.* **310** (2010) 1401-1402
<http://christofides.org/Papers/Boolean.pdf>
- Christofides, D.**
A q -analogue of the four functions theorem. Submitted.
<http://christofides.org/Papers/4FT.pdf>
- Christofides, D., Kühn D. and Osthus, D.**
Edge-disjoint Hamilton cycles in graphs. Submitted.
<http://christofides.org/Papers/Decompositions.pdf>
- Christofides, D., Keevash, P., Kühn D. and Osthus, D.**
A semi-exact degree condition for Hamilton cycles in digraphs. *SIAM J. Discrete Math.*, to appear. <http://christofides.org/Papers/SemiexactDirectedPosa.pdf>
- Chudnovsky, M., Ries, B., Seymour, P., Zussman, G. and Zwols, Y.**
[see: Birand, B.]
- Chun, C.**
[see: Aikin, J.]
- Clifford, R., Efremenko, K., Porat E. and Rothschild, A.**
From coding theory to efficient pattern matching. In SODA2009 778-784.
<http://www.cs.bris.ac.uk/~clifford/soda2009.pdf>

Clifford, R., Harrow, A., Popa, A. and Sach, B.

Generalised matching. In: *SPIRE 2009*, August 2009.

<http://www.cs.bris.ac.uk/~sach/SPIRE2009camera.pdf>

Clifford, R. and Popa, A.

Maximum subset intersection. *Inf. Process Lett.*, to appear.

<http://www.cs.bris.ac.uk/~popa/ipl.pdf>

Clifford, R.

[see: Arthur, D.]

Cohen, G.

[see; Brightwell, G. R.]

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. *J. Comput. Syst. Sci.*, to

appear. <http://dx.doi.org/10.1016/j.jcss.2010.01.001>

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

Coja-Oghlan, A.

A better algorithm for random k -SAT. *SIAM J. Comput.*, to appear. (An earlier version appeared in *Lect. Notes Comput. Sci.* **5555** (2009) 292-

303). http://dx.doi.org/10.1007/978-3-642-02927-1_25

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

Coja-Oghlan, A.

Graph partitioning via adaptive spectral techniques. *Comb. Probab. Comput.* **19** (2010) 227-

284. <http://dx.doi.org/10.1017/S0963548309990514> <http://web.mac.com/aminco/papers/jcluster8.pdf>

Coja-Oghlan, A.

Random Constraint Satisfaction Problems. In: *Electronic Proceedings in Theoretical Computer Science* **9** (2009) 32–37.

Coja-Oghlan, A. and Kang, M.

The evolution of the min-min graph process. *Discrete Math.* **309** (2009) 4527-

4544. <http://dx.doi.org/10.1016/j.disc.2009.02.015> <http://web.mac.com/aminco/papers/DMminmin.pdf>

Coja-Oghlan, A. and Lanka, A.

Finding Planted Partitions in Random Graphs with General Degree Distributions

SIAM J. Discrete Math. **23** (2009) 1682–

1714. <http://web.mac.com/aminco/papers/xadapt2.pdf>

Coja-Oghlan, A. and Lanka, A.

The spectral gap of random graphs with given expected degrees. *Electron. J. Comb* **16**

(2009) R138. http://www.combinatorics.org/Volume_16/PDF/v16i1r138.pdf

Coja-Oghlan, A., Mossel, E. and Vilenchik, D.

A spectral approach to analysing Belief Propagation for 3-coloring. *Comb. Probab.*

Comput. **18** (2009) 881-892. <http://dx.doi.org/10.1017/S096354830900981X>

http://arxiv.org/PS_cache/arxiv/pdf/0712/0712.0171v1.pdf

Coja-Oghlan, A.

[see: Achlioptas, D., Alon, N., Behrisch, M.]

Colbourn, C. J., Forbes, A. D., Grannell, M. J., Griggs, T. S., Kaski, P.,

Östergård, P. R. J., Pike, D. A. and Pottonen, O.

Properties of the Steiner Triple Systems of Order 19. Submitted.

Conlon, D.

Hypergraph packing and sparse bipartite Ramsey numbers. *Comb. Probab. Comput.* **18** (2009) 913-923. <http://dx.doi.org/10.1017/S0963548309990174>

<http://www.dpmms.cam.ac.uk/~dc340/Sparse.pdf>

Conlon, D.

A new upper bound for diagonal Ramsey numbers. *Ann. Math.* **170** (2009) 941-960.

<http://annals.princeton.edu/annals/2009/170-2/annals-v170-n2-p15-s.pdf>

Conlon, D.

On-line Ramsey numbers. *SIAM J. Discrete Math.* **23** (2009) 1954-1963.

<http://dx.doi.org/10.1137/090749220> <http://www.dpmms.cam.ac.uk/~dc340/Online4.pdf>

Conlon, D.

The Ramsey numbers of dense graphs. Submitted.

<http://www.dpmms.cam.ac.uk/~dc340/DenseRamsey.pdf>

Conlon, D., Fox, J. and Sudakov, B.

Ramsey numbers of sparse hyper graphs. *Random Struct. Algorithms* **35** (2009) 1-

14. <http://dx.doi.org/10.1002/rsa.v35:1>

<http://www.dpmms.cam.ac.uk/~dc340/hypergraph-ramsey.pdf>

Conlon, D., Fox, J. and Sudakov, B.

Large almost monochromatic sets in hypergraphs. *Israel. J. Math.*, to

appear. <http://www.dpmms.cam.ac.uk/~dc340/hypergraph-discrepancy.pdf>

Conlon, D., Fox, J. and Sudakov, B.

Hypergraph Ramsey numbers. *J. Amer. Math. Soc.* **23** (2010) 247-266.

<http://dx.doi.org/10.1090/S0894-0347-09-00645-6>

<http://www.dpmms.cam.ac.uk/~dc340/OffDiagonal.pdf>

Conlon, D., Fox, J. and Sudakov, B.

On two problems in Ramsey theory. Submitted.

<http://www.dpmms.cam.ac.uk/~dc340/two-problems.pdf>

Conlon, D., Fox, J. and Sudakov, B.

An improved bound for the stepping-up lemma. Submitted.

<http://www.dpmms.cam.ac.uk/~dc340/stepping-up-lemma.pdf>

Conlon, D., Fox, J. and Sudakov, B.

An approximate version of Sidorenko's conjecture. Preprint.

http://arxiv.org/PS_cache/arxiv/pdf/1004/1004.4236v1.pdf

Consoli, S., Darby-Dowman, K., Geleijnse, G., Korst, J. and Pauws, S.

Heuristic Approaches for the Quartet Method of Hierarchical Clustering *IEEE*

Transactions on Knowledge and Data Engineering, to appear.

<http://bura.brunel.ac.uk/handle/2438/2806>

Consoli, S., Darby-Dowman, K., Mladenović, N. and Moreno, J.

Variable neighbourhood search for the minimum labelling Steiner tree problem.

Ann. Oper. Res. **172** (2009) 71-96. <http://bura.brunel.ac.uk/handle/2438/1337>

Consoli, S., Darby-Dowman, K., Mladenović, N. and Moreno, J.

Discrete Particle Swarm Optimization for the Minimum Labelling Steiner

Tree Problem *Natural Computing*, to

appear. <http://bura.brunel.ac.uk/handle/2438/2087>

Cooley, O.

Proof of the LoebL-Komlós-Sós conjecture for large, dense graphs. *Discrete Math.*, to

appear. <http://web.mat.bham.ac.uk/~cooleyo/LKS.pdf>

Cooley, O., Fountoulakis, N., Kühn, D. and Osthus, D.

Embeddings and Ramsey numbers of sparse k -uniform hyper graphs. *Combinatorica*

29 (2009) 263-279. <http://dx.doi.org/10.1007/s00493-009-2356-y>

http://arxiv.org/PS_cache/math/pdf/0612/0612351v2.pdf

Cooley, O., Hladký, J. and Piguet, D.

Loebl-Komlós-Sós Conjecture: dense case. *Electron. Notes Discrete Math.* **34** (2009) 609-613. <http://dx.doi.org/10.1016/j.endm.2009.07.103>

Cooley, O.

[see: Allen, P.]

Cooper, C. and Frieze, A. M.

Corrigendum to: “The cover time of the giant component of a random graph”, [Random Struct. Algorithms 32, 401—439]. *Random Struct. Algorithms* **34** (2009) 300-304.

Cooper, C., Frieze, A. M. and Radzik, T.

Multiple random walks and interacting particle systems. *Lect. Notes. Comput. Sci.* **5556** (2009) 399-410. http://dx.doi.org/10.1007/978-3-642-02930-1_33
www.math.cmu.edu/~af1p/Textfiles/Multiple.pdf

Cooper, C., Klasing, R. and Radzik, T.

Locating and repairing faults in a network with mobile agents. *Theor. Comput. Sci.* **411** (2010) 1638-1647. <http://dx.doi.org/10.1016/j.tcs.2010.01.011>

Cooper, C., McGrae, A. R. and Zito, M.

Martingales on Trees and the Empire Chromatic Number of Random Trees. In Proceedings of FCT 2009 74-83. http://dx.doi.org/10.1007/978-3-642-03409-1_8

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.* **157** (2009) 2010-2014. <http://www.dcs.kcl.ac.uk/staff/ccoooper/%20papers/UAR-tree-domset.pdf%20%20%20%20> <http://dx.doi.org/10.1016/j.dam.2008.06.024>

Cooper, C.

[see: Abdullah, M., Berenbrink, P.]

Corteel, S., Josuat-Vergès, M., Prellberg, T. and Rubey, M.

Matrix Ansatz, lattice paths and rook placements. In: Proceedings of FPSAC 2009 Proceedings volume of *Discrete Math. Theor. Comput. Sci* (2009) proc AK 313-324. <http://www.maths.qmw.ac.uk/~tp/papers/pub072pre.pdf>

Cosh, B., Jackson, B. and Király, Z.

Local Connectivity Augmentation in Hypergraphs is NP-Complete. *Discrete Applied Math.* **158** (2010) 723-727. <http://dx.doi.org/10.1016/j.dam.2009.12.011>
<http://www.cs.elte.hu/egres/tr/egres-09-06.pdf>

Cossidente, A., and King, O.H.

Some Two-Character Sets. *Des. Codes. Cryptography*, in press.

Costa, M.-C., Picouleau, C., Ries, B. and de Werra, D.

Graph coloring with cardinality constraints on the neighbourhoods. *Discrete Optim.* **6** (2009) 362–369. <http://dx.doi.org/10.1016/j.disopt.2009.04.005>

Costa, M.-C., Picouleau, C., Ries, B. and de Werra, D.

On the use of graphs in discrete tomography. *Annals of Operations Research* **175** (2010) 287-307. <http://dx.doi.org/10.1007/s10479-009-0649-6>

Costa, M.-C.

[see: Bentz, C.]

Courcelle, B. and Twigg, A.

Constrained-path labellings on graphs of bounded clique-width. *Theory Comput. Syst.*, (2009). <http://dx.doi.org/10.1007/s00224-009-9211-9>

Coutts, H. J., Quick, M. and Roney-Dougal, C. M.

The primitive permutation groups of degree less than 4096. *Commun. Alg.*, to appear.

http://www-groups.mcs.st-and.ac.uk/~martyn/research/prim_submitted.pdf

Covert, D., Hart, D., Iosevich, A., Koh, D. and Rudnev, M.

Generalized incidence theorems, homogeneous forms and sum-product estimates in finite fields. *Eur. J. Comb.* **31** (2010) 306-

319. <http://dx.doi.org/10.1016/j.ejc.2008.11.015>

<http://www.math.missouri.edu/~iosevich/crossproduct07.pdf>

Crane, E., Georgiou N., Volkov, S., Wade, A. R. and Waters, R. J.

The simple harmonic urn. Submitted.

http://arxiv.org/PS_cache/arxiv/pdf/0911/0911.0321v2.pdf

Creed, P.

The number of Euler tours of a random d -in/ d -out graph. Submitted.

Creed, P.

Sampling Eulerian orientations of triangular lattice graphs. *J. Discrete Algorithms* **7** (2009) 168-180. <http://dx.doi.org/10.1016/j.jda.2008.09.006>

<http://www.cs.rhul.ac.uk/home/paidi/papers/CreedJDA.pdf>

Croote, E. and Sisask, O.

A probabilistic technique for finding almost-periods of convolutions. Preprint.

http://arxiv.org/PS_cache/arxiv/pdf/1003/1003.2978v1.pdf

Cryan, M.

[see: Chebolu, P.]

Csikós, B., Kiss, Gy., Swanepoel, K. J. and de Wet, P. O.

Large antipodal families. *Period. Math. Hung.* **58** (2009) 129-138.

<http://dx.doi.org/10.1007/s10998-009-10129-9>

Cvetković D. M., Rowlinson, P. and Simić, S. K.

An Introduction to The Theory of Graph Spectra. LMS Student Texts Series, **75** Cambridge University Press (2009). ISBN 978-0521-11839-2 hardback, 978-0521-13408-8 paperback, 375 pages, 2009.

Czumaj, A., Czyzowicz, J., Gaśieniec, L., Jansson, J., Lingas, A. and Żyliński, P.

Approximation Algorithms for Buy-at-Bulk Geometric Network Design. *Lect. Notes Comput. Sci.* **5664** (2009) 168–180. http://dx.doi.org/10.1007/978-3-642-03367-4_15

Czumaj, A. and Lingas, A.

Finding a Heaviest Vertex-Weighted Triangle Is not Harder than Matrix Multiplication. *SIAM J. Comput.* **39** (2009) 431–

444. <http://dx.doi.org/10.1137/070695149>

<http://www.cis.njit.edu/~czumaj/PUBLICATIONS/Triangles.pdf>

Czumaj, A. and Sohler, C.

Small Space Representations for Metric Min-sum k -Clustering and Their Applications. *Theory Comput. Syst.* **46** (2009) 416-442.

<http://dx.doi.org/10.1007/s00224-009-9235-1>

Czumaj, A. and Sohler, C.

Estimating the Weight of Metric Minimum Spanning Trees in Sublinear Time *SIAM J. Comput.* **39** (2009) 904–922. <http://dx.doi.org/10.1137/060672121>

Czumaj, A.

[see: Adamaszek, A.]

Czyzowicz, J., Dobrev, S., Gaśieniec, L., Ilcinkas, D., Jansson, J. Klasing, R.

Lignos, I, Martin, R., Sadakane, K. and Sung, W.-K.

More efficient periodic traversal in anonymous undirected graphs. SIROCCO '09, accepted.

Czyzowicz, J.

[see: Czumaj, A.]

Olde Daalhuis, A. B.

[see: Bender, E. A.]

Daligault, J., Gutin, G., Kim, E. J. and Yeo, A.

FPT Algorithms and Kernels for the Directed k -Leaf Problem. *J. Comput. Syst. Sci.* **76** (2010) 144-

152. <http://dx.doi.org/10.1016/j.jcss.2009.06.005> <http://www.cs.rhul.ac.uk/~gutin/paperstsp/mlf311008.pdf>

Dalmau, V.

[see: Carvalho, C.]

Dankelmann, P., Gutin G. and Kim, E. J.

On Complexity of Minimum Leaf Out-Branching Problem. *Discrete Appl. Math.* **157** (2009) 3000-

3004. <http://dx.doi.org/10.1016/j.dam.2009.04.012> <http://www.cs.rhul.ac.uk/home/gutin/paperstsp/minleafcomp240808.pdf>

Dantchev, S., Friedetzky, T. and Nagel, L.

Sublinear-time algorithms for tournament graphs. In *Proceedings of the Fifteenth International Computing and Combinatorics Conference (COCOON), Lect. Notes Comput. Sci.* **5609** (2009) 459-471. <http://dx.doi.org/10.1007/978-3-642-02882-3>

<http://www.dur.ac.uk/tom.friedetzky/Papers/2009%5BDFN%5D%20Sublinear-time%20Algorithms%20for%20Tournament%20Graphs%200.pdf>

Darby-Dowman, K.

[see: Consoli, S.]

Davies, R. P., Perkins, S. and Roach, P.

The use of problem domain information in the automated solution of Kakuro puzzles. *International Journal of Computer Science*, to appear.

Dawar, A. and Kreutzer, S.

Domination Problems in Nowhere-Dense Classes of Graphs. In *FSTTCS*

2009. <http://web.comlab.ox.ac.uk/people/Stephan.Kreutzer/Publications/09-fsttcs.pdf>

Deineko, V., Klinz, B. and Woeginger, G.

Polygons with inscribed circles and prescribed side lengths. *Appl. Math. Lett.* **22**

(2009) 704–706 <http://dx.doi.org/10.1016/j.aml.2008.05.002>

Deineko, V., Klinz, B. and Woeginger, G.

The complexity of computing the Muirhead-Dalton distance. *Math. Soc. Sci.* **57**

(2009) 282–284 <http://dx.doi.org/10.1016/j.mathsocsci.2008.11.005>

Deineko, V. and Tiskin, A.

Min-weight double-tree shortcutting for Metric TSP: Bounding the approximation ratio. *Electron. Notes Discrete Math.* **32** (2009) 19–26.

<http://dx.doi.org/10.1016/j.endm.2009.02.004>

Della Volta, F. and Siemons, I. J.

Permutation groups defined by unordered relations. In: *Ischia group theory 2008*.

Proceedings of the conference in group theory, Naples, Italy, April 1--4, 2008.

Hackensack, NJ: World Scientific. 56-67 (2009).

Demri, S., Jurdziński, M., Lachish, O. and Lazić, R.

The covering and boundedness problems for branching vector addition systems

In 29th Conference on Foundations of Software Technology and Theoretical Computer Science (FSTTCS),

2009. <http://dx.doi.org/10.4230/LIPIcs.FSTTCS.2009.2317>

<http://www.dcs.warwick.ac.uk/~lazic/final-fsttcs09-djll.pdf>

Demri, S., and Lazić, R.

LTL with the freeze quantifier and register automata, *ACM Trans. Comput. Logic* **10**

(2009) 1–30. <http://doi.acm.org/10.1145/1507244.1507246>
http://arxiv.org/PS_cache/cs/pdf/0610/0610027v3.pdf

Dereich, S. and Mörters, P.

Random networks with sublinear preferential attachment: Degree evolutions. *Electron. J. Probab.* **14** (2009) 1222-1267.

http://www.emis.de/journals/EJP-ECP/_ejpecp/include/getdocd1be.pdf

Deriziotis, D., McDonough, T. P. and Pallikaros, C. A.

On root subsystems and involutions in S_n . *Glasg. Math. J.* **52** (2010) 357-369.

<http://dx.doi.org/10.1017/S0017089510000054>

http://users.aber.ac.uk/tpd/papers/root_subsystems_postprint.pdf

Descalco, L. and Higgins, P. M.

Generalised Green's Equivalences on the subsemigroups of the bicyclic monoid. *Commun. Alg.*, to appear.

Devroye, L., King, J. and McDiarmid, C. J. H.

Random hyperplane search trees. *SIAM J. Comput.* **38** (2009) 2411-2425

<http://dx.doi.org/10.1137/060678609>

http://www.cs.mcgill.ca/~jking/papers/hyperplane_search_trees.pdf

Diekert, V., Duncan, A. J., and Miasnikov, A.

Geodesic rewriting systems and pregroups. To appear in *Combinatorial and Geometric Group Theory, Dortmund and Carleton Conferences*. Series: Trends in Mathematics Bogopolski, O.; Bumagin, I.; Kharlampovich, O.; Ventura, E. (Eds.) 2009. http://arxiv.org/PS_cache/arxiv/pdf/0906/0906.2223v1.pdf

Dipper, R.

[see: Brandt, M.]

Distler, A. and Kelsey, T. W.

The Monoids of Orders Eight, Nine & Ten. *Ann. Math. Artif. Intell.* **56** (2009) 3-21.

<http://dx.doi.org/10.1007/s10472-009-9140-y>

Dobrev, S.

[see: Czyzowicz, J.]

Doku-Amponsah, K. and Mörters, P.

Large Deviation Principles for Empirical Measures of Coloured Random Graphs. *Ann. Appl. Probab.*, to appear.

<http://people.bath.ac.uk/maspm/LDM.pdf>

Dong, F. M. and Jackson, B.

A zero-free interval for chromatic polynomials of nearly 3-connected plane graphs. Submitted. <http://www.maths.qmul.ac.uk/~bill/nearly3conSUBMITTED.pdf>

Donovan, D. M., Drápal, A., Grannell, M. J., Griggs, T. S. and Lefevre, J. G.

Quarter-regular biembeddings of Latin squares. *Discrete Math.* **310** (2010) 692-699.

<http://dx.doi.org/10.1016/j.disc.2009.08.020>

Donovan, D. M. and Grannell, M. J.

Designs having the parameters of projective and affine spaces. Submitted.

Donovan, D. M., Grannell, M. J. and Griggs, T. S.

Third-regular biembeddings of Latin squares. *Glasg. Math. J.*, to appear.

Donovan, D. M., Grannell, M. J., Griggs, T. S. and Lefevre, J. G.

On parity vectors of Latin squares. *Graphs. Comb.*, to appear.

<http://dx.doi.org/10.1007/s00373-010-0942-9>

Donovan, D. M., Grannell, M. J., Griggs, T. S., Lefevre, J. G. and McCourt, T.

Self-embeddings of cyclic and projective Steiner quasigroups. *J. Combin. Des.*, to appear.

Doostie, H.

[see: Ahmadidelir, K.]

Draisma, J. and Shaw, R.

Singular lines of trilinear forms. *Linear Algebra Appl.* **432** (2010), to appear.

<http://dx.doi.org/10.1016/j.laa.2010.03.040>

http://arxiv.org/PS_cache/arxiv/pdf/0909/0909.5676v1.pdf

Drakakis, K., Gow, R. and O'Carroll, L.

On the symmetry of Welch-and Golomb-constructed Costas arrays. *Discrete Math.*

309 (2009) 2559-2563. <http://dx.doi.org/10.1016/j.disc.2008.04.058>

Drápal, A. and Griggs, T. S.

Homogeneous toroidal Latin bitrades. *Ars. Comb.*, to appear.

Drápal, A.

[see: Donovan, D. M.]

Droste, M. and Truss, J. K.

Uncountable cofinalities of automorphism groups of linear and partial orders. *Algebra*

Univers., to appear. <http://dx.doi.org/10.1007/s00012-010-0040-0>

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

Duchamp, G.H.E.

[see: Blasiak, P.]

Duckworth, W. and Zito, M.

Large independent sets in random regular graphs. *Theor. Comput. Sci.* **410** (2009)

5236-5243. <http://dx.doi.org/10.1016/j.tcs.2009.08.025>

Dudek, A., Pikhurko, O. and Thomason, A. G.

On Minimum Saturated Matrices. Submitted. .

http://uk.arxiv.org/PS_cache/arxiv/pdf/0909/0909.1970v1.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.*

310 (2010) 330-346. <http://dx.doi.org/10.1016/j.disc.2008.11.036>

Duncan, A. J., Kazachkov, I. V., and Remeslennikov, V. N.

Automorphisms of Partially Commutative Groups I: Linear Subgroups. Submitted.

http://arxiv.org/PS_cache/arxiv/pdf/0803/0803.2213v1.pdf

Duncan, A.J., and Vdovina, A.

Square-free words as products of commutators. *Groups, Geometry, and Dynamics*

2009, 3(3), 379-387.

Duncan, A. J.

[see: Diekert, V.]

Dunwoody, M. J.

Planar graphs and covers. Preprint. <http://www.personal.soton.ac.uk/~mjd7/planar.pdf>

Dunwoody, M. J.

An inaccessible graph.

Preprint. <http://www.personal.soton.ac.uk/mjd7/Inaccessible.pdf>

Dunwoody, M. J. and Kroen, B.

Vertex cuts. Preprint. http://www.personal.soton.ac.uk/mjd7/vertex_cuts.pdf

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

The Complexity of Approximating Bounded-Degree Boolean #CSP. Submitted.

http://arxiv.org/PS_cache/arxiv/pdf/0907/0907.2663v1.pdf

Dyer, M. E., Goldberg, L. A and Jerrum, M. R.

A complexity dichotomy for hypergraph partition functions. *Comput. Complexity*, to

appear. http://arxiv.org/PS_cache/arxiv/pdf/0811/0811.0037v1.pdf

Dyer, M. E., Goldberg, L. A and Jerrum, M. R.

An approximation trichotomy for Boolean #CSP. *J. Comput. Syst. Sci.* (2009). <http://dx.doi.org/10.1016/j.jcss.2009.08.003>

Dyer, M. E. and Richerby, D.

The complexity of #CSP.

Submitted. http://arxiv.org/PS_cache/arxiv/pdf/1003/1003.3879v1.pdf

Dyer, M. E.

[see under: Bulatov, A.]

Džamonja, M.

Ramsey Methods and the problem DU. Submitted.

<http://www.uea.ac.uk/~h020/RamseyDU.pdf>

Džamonja, M., Larson J. and Mitchell, W.

A partition theorem for a large dense linear order. *Isr. J. Math.* **171** (2009) 237-284.

<http://dx.doi.org/10.1007/s11856-009-0049-2>

http://arxiv.org/PS_cache/math/pdf/0506/0506123v1.pdf

Džamonja, M., Larson J. and Mitchell, W.

Partitions of large Rado graphs. *Arch. Math. Logic* **48** (2009) 579-606.

<http://www.uea.ac.uk/~h020/radopre.pdf>

Efremenko, K.

[see: Clifford, R.]

Efthymiou, C.

Deterministic counting of graph colourings using sequences of subgraphs. Preprint.

http://arxiv.org/PS_cache/arxiv/pdf/0909/0909.5224v2.pdf

Eggemann, N., Havet, F. and Noble, S. D.

k -L(2,1)-Labelling for Planar Graphs is NP-Complete for $k \geq 4$. *Discrete Appl. Math.*, to appear.

http://arxiv.org/PS_cache/arxiv/pdf/0909/0909.2613v1.pdf

Eggemann, N. and Noble, S. D.

The complexity of two graph orientation problems. Submitted.

http://arxiv.org/PS_cache/arxiv/pdf/1004/1004.2478v1.pdf

Eggemann, N., and Noble, S. D.

Minimizing the oriented diameter of a planar graph. *Electronic Notes in Discrete Mathematics* **34** (2009) 267-271.

<http://bura.brunel.ac.uk/handle/2438/3829>

Egri, L., Krokhin, A., Larose, B. and Tesson, P.

The complexity of the list homomorphism problem for graphs. In *STACS'10*, LIPIcs 5,

335-346, 2010. <http://www.dur.ac.uk/andrei.krokhin/papers/listhom5.pdf>

Ekhad, S.

[see: Brignall, R.]

Ekim, T., Ries B. and de Werra, D.

Split-critical and uniquely split-colorable graphs. Submitted.

Elbassioni, K., Raman, R., Ray, S. and Sitters, R.

On the approximability of the maximum feasible subsystem problem with 0/1-coefficients. In *SODA '09*: pages 1210–1219.

<http://www.mpi-inf.mpg.de/~rraman/papers/MFS-approx.pdf>

Elbassioni, K., Raman, R., Ray, S. and Sitters, R.

On Profit-Maximizing Pricing for the Highway and Tollbooth Problems

In *Algorithmic Game Theory*, pages 275–286 2009.

Elbassioni, K., Raman, R., Ray, S. and Sitters, R.

On Profit-Maximizing Pricing for the Highway and Tollbooth Problems. Preprint. ⁵

http://arxiv.org/PS_cache/arxiv/pdf/0901/0901.1140v3.pdf

⁵ Longer version of the preceding article.

- 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.*, **55** (2010) 362-376. <http://dx.doi.org/10.1002/malq.200810021>
- Ellis, D.**
Note on generating all subsets of a finite set with disjoint unions. *Electron. J. Comb.* **16** (2009) R16. http://www.combinatorics.org/Volume_16/PDF/v16i1n16.pdf
- Ellis, D.**
Irredundant families of subcubes. Preprint.
http://uk.arxiv.org/PS_cache/arxiv/pdf/1003/1003.2960v1.pdf
- Elsholtz, C.**
A survey on additive and multiplicative decompositions of sumsets and of shifted sets. In: *Combinatorial Number Theory and Additive Group Theory* (Birkhauser, Basel, 2009) 213-231. http://dx.doi.org/10.1007/978-3-7643-8962-8_16
<http://www.ma.rhul.ac.uk/~elsholtz/WWW/papers/papers29file03.pdf>
- Elsholtz, C.**
A combinatorial approach to sums of two squares and related problems. In: *Additive Number Theory*. Festschrift In Honor of the Sixtieth Birthday of Melvyn B. Nathanson (D. and G. Chudnovsky, eds.). Springer, May 2010. ISBN-13: 9780387370293.
- Emms, J. and Evans, D. M.**
Constructing continuum many countable, primitive, unbalanced digraphs. *Discrete Math.* **309** (2009) 4475-4480. <http://dx.doi.org/10.1016/j.disc.2009.02.008> <http://www.uea.ac.uk/~h120/JEDEdigraphs2.pdf>
- Englert, M., Franke, T. and Olbrich, L.**
Sensitivity of Wardrop Equilibria. *Theory Comput. Syst.* 2009
<http://dx.doi.org/10.1007/s00224-009-9196-4>
http://www.dcs.warwick.ac.uk/~englert/publications/wardrop_sagt08.pdf
- Englert, M. and Räcke, H.**
Oblivious Routing in the L_p -norm. In Proc. of the 50th FOCS, 2009.
<http://www.dcs.warwick.ac.uk/~harry/pdf/obliviouslpnorm.pdf>
- Englert, M., Röglin, H., Spönemann, J. and Vöcking, B.**
Economical Caching. In Proc. of the 26th STACS, pages 385–396, 2009.
<http://dx.doi.org/10.4230/LIPIcs.STACS.2009.1826>
<http://www.algo.rwth-aachen.de/~voecking/publications/STACS09.pdf>
- Englert, M., Röglin, H., Spönemann, J. and Vöcking, B.**
Economical Caching with Stochastic Prices. In Proc. of the 5th SAGA, pages 179–190, 2009. http://dx.doi.org/10.1007/978-3-642-04944-6_15
<http://www.algo.rwth-aachen.de/~voecking/publications/SAGA09.pdf>
- Epstein, L., Erlebach, T. and Levin, A.**
Online Capacitated Interval Coloring *SIAM J. Discrete Math.* **23** (2009)822-841
<http://dx.doi.org/10.1137/070682496> <http://math.haifa.ac.il/lea/escape.pdf>
- Erlebach, T., Hagerup, T., Jansen, K., Minzlaff, M. and Wolff, A.**
Trimming of graphs, with application to point labelling. *Theory Comput. Syst.* 2009.
<http://dx.doi.org/10.1007/s00224-009-9184-8>
<http://www.springerlink.com/content/wk2087473626j73l/fulltext.pdf>
- Erlebach, T. and Mereu, A.**
Path Splicing with Guaranteed Fault Tolerance. In *Proceedings of IEEE GLOBECOM 2009*. To appear.
- Erlebach, T. and Mihalak, M.**

A $(4+\epsilon)$ -Approximation for the Minimum-Weight Dominating Set Problem in Unit Disk Graphs. In WAOA 2009.

Erlebach, T., Moonen, L., Spieksma, F. and Vukadinovic, D.

Connectivity Measures for Internet Topologies. *Operations Research* **57** (2009) 1006-1025. <http://dx.doi.org/10.1287/opre.1080.0677>

<http://or.journal.informs.org/cgi/reprint/57/4/1006>

Erlebach, T., and Shahnaz, A.

Approximating Node-Weighted Multicast Trees in Wireless Ad-Hoc Networks.

In IWCNC 2009. <http://doi.acm.org/10.1145/1582379.1582518>

Erlebach, T.

[see: Bilò, D., Epstein, L.]

Esperet, L.

[see: Addario-Berry, L.]

Essam, J. W.

[see: Arrowsmith, D. K.]

Esperet, L.

[see: Addario-Berry, L.]

Etzion, T.

[see: Blackburn, S. R.]

Evans, D. M.

[see: Emms, J.]

Fabilla, R.

[see: Arocha, J.]

Fachini, E.

[see; Brightwell, G. R.]

Fairbairn, B.

Some Design Theoretic Results on the Conway Group .0 *Electron. J. Comb.* **17** (2010)

R18. http://www.combinatorics.org/Volume_17/PDF/v17i1r18.pdf

Fairthorne, M.

[see; Brightwell, G. R.]

Fanghänel, A., Kesselheim, T., Räcke, H. and Vöcking, B.

Oblivious Interference Scheduling. In Proc. of the 28th PODC (2009) 220-

229. <http://doi.acm.org/10.1145/1582716.1582752>

<http://algo.rwth-aachen.de/~thomask/Oblivious.pdf>

Farr, G.E.

[see: Edwards, K.J.]

Fayers, M.

Partition models for the crystal of the basic $U_q(\mathfrak{sl}_n)$ -module. *J. Algebr. Comb.*, to

appear. <http://www.maths.qmul.ac.uk/~mf/papers/crystal.pdf>

Feder, T., Hell, P., Jonsson, P., Krokhin, A. and Nordh, G.

Retractions to pseudoforests. *SIAM J. Discrete Math.* **24** (2010) 101-112.

<http://dx.doi.org/10.1137/080738866>

<http://www.dur.ac.uk/andrei.krokhin/papers/retractpforest2.pdf>

Fellows, M. R., Rosamond, F. A., Rotics, U. and Szeider, S.

Clique-Width is NP-complete. *SIAM J. Discrete Math.* **23** (2009) 909-939.

<http://dx.doi.org/10.1137/070687256>

<http://www.kr.tuwien.ac.at/drm/szeider/papers/sidmafina.pdf>

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* **53** (2009) 333-346. <http://dx.doi.org/10.1002/jgt.20188>

<http://www.cs.rhul.ac.uk/~gutin/paperstsp/pcpath37.pdf>

Fernau, H. and Manlove, D. F.

Vertex and edge covers with clustering properties: complexity and algorithms.

J. Discrete Algorithms, 7 (2009) 149-

167 <http://dx.doi.org/10.1016/j.jda.2008.09.007> <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. *Semigroup Forum*,

(2010) <http://dx.doi.org/10.1007/s00233-010-9220-7>

<http://www-history.mcs.st-and.ac.uk/~jamesm/articles/endo4.pdf>

Fiala, J. and Golovach, P. A.

Complexity of the packing coloring problem for trees, *Discrete Appl. Math.* **158** (2010)

771-778. <http://dx.doi.org/10.1016/j.dam.2008.09.001>

Fiala, J., Golovach, P. A. and Kratochvíl, J.

Parameterized Complexity of Coloring Problems: Treewidth versus Vertex Cover, Proceedings of the 6th International Conference on Theory and Application of Models of Computation (TAMC 2009). *Lect. Notes. Comput. Sci.* **5532** (2009) 221-230.

Fiala, J. and Paulusma, D.

Comparing universal covers in polynomial time. *Theor. Comput. Syst.* (2009).

<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. *Theor. Comput. Sci.*

411 (2009) 1221-1234. <http://dx.doi.org/10.1016/j.tcs.2009.12.018>

<http://www.comp.leeds.ac.uk/vuskovi/ec-chord.pdf>

Finizio, N. J.

[see: Abel, J.]

Fiorini, S.

[see: Dugdale, J. K.]

Fiz Pontiveros, G.

Freiman homomorphisms of random subsets of \mathbb{Z}_N . Preprint.

http://uk.arxiv.org/PS_cache/arxiv/pdf/1004/1004.3709v1.pdf

Fleiner, T.

[see: Biró, P.]

Fleischner, H., Mujuni, E., Paulusma, D. and Szeider, S.

Covering graphs with few complete bipartite sub graphs. *Theor. Comput. Sci.* **410**

(2009) 2045-2053. <http://dx.doi.org/10.1016/j.tcs.2008.12.059>

<http://www.kr.tuwien.ac.at/drm/szeider/papers/biclique.pdf>

Fokkink, R.

[see: Alpern, S.]

Fomin, F. V, Golovach, P. A, Kratochvíl, J., Kratsch, D. and Liedloff, M.

Sort and search: exact algorithms for generalized domination. *Inf. Process. Lett.* **109**

(2009) 795-798. <http://dx.doi.org/10.1016/j.ipl.2009.03.023>

Fomin, F. V, Golovach, P. A, Kratochvíl, J., Nisse, N. and Suchan, K.

Pursuing a fast robber on a graph. *Theor. Comput. Sci.* **411** (2010) 1167-1181.

<http://dx.doi.org/10.1016/j.tcs.2009.12.010>

Fomin, F. V., Golovach, P. A. and Lokshtanov, D.

Guard games on graphs: keep the intruder out! Proceedings of the 7th Workshop on Approximation and Online Algorithms (WAOA 2009). *Lect. Notes. Comput. Sci.*, to appear.

Fomin, F. V., Golovach, P. A. and Lokshtanov, D.

Cops and Robber game without recharging. Proceedings of 12th Scandinavian Symposium and Workshops on Algorithm Theory. *Lect. Notes Comput. Sci.*, to appear.

Fomin, F. V., Golovach, P. A., Lokshtanov, D. and Saurabh, S.

Algorithmic Lower Bounds for Problems Parameterized by Clique-width.

Proceedings of SODA 2010, to appear.

Fomin, F. V., Golovach, P. A. and Thilikos, D.

Contraction bidimensionality: the accurate picture. Proceedings of the 17th Annual European Symposium on Algorithms (ESA 2009). *Lect. Notes. Comput. Sci.* **5757** (2009) 706-717.

Fomin, F. V., Golovach, P. A. and Thilikos, D.

Approximating acyclicity parameters of sparse hypergraphs. *Proceedings of STACS 2009* 445-456.

Fomin, F. V.

[see: Broersma, H. J., Cohen, N.]

Forbes, A. D., Grannell, M. J. and Griggs, T. S.

Some further 6-sparse triple systems. *Graphs Comb.* **25** (2009) 49-64.

[http://dx.doi.org/10.1007/s00373-008-0819-](http://dx.doi.org/10.1007/s00373-008-0819-3)

[3 http://mcs.open.ac.uk/mjg47/Papers/sixsparse2.pdf](http://mcs.open.ac.uk/mjg47/Papers/sixsparse2.pdf)

Forbes, A. D.

[see: Colbourn, C. J.]

Fountoulakis, N., Kang, R. J. and McDiarmid, C. J. H.

The t -stability number of a random graph. *Electron J. Comb.* **17** (2010) R59.

http://www.combinatorics.org/Volume_17/PDF/v17i1r59.pdf

Fountoulakis, N., Kühn, D. and Osthus, D.

Minors in random regular graphs. *Random Struct. Algorithms* **35** (2009) 444-463. <http://dx.doi.org/10.1002/rsa.v35:4>

<http://web.mat.bham.ac.uk/D.Osthus/regmin16.pdf>

Fountoulakis, N.

[see: Cooley, O.]

Fox, J., Keevash, P. and Sudakov, B.

Directed graphs without short cycles. *Comb. Probab. Comput.* **19** (2010) 285-

301. <http://dx.doi.org/10.1017/S0963548309990460> <http://keevash.googlepages.com/rfree.pdf>

Fox, J.

[see: Conlon, D.]

Francheschetti, M., Penrose, M. D. and Rosoman, T.

Strict inequalities of critical probabilities on Gilbert's continuum percolation graph.

Preprint. http://arxiv.org/PS_cache/arxiv/pdf/1004/1004.1596v1.pdf

Franke, T.

[see: Englert, M.]

Friedetzky, T.

[see: Berenbrink, P., Dantchev, S.]

Frieze, A. M.

[see: Abdullah, M., Cooper, C.]

Fujisawa, J.

[see: Broersma, H. J.]

Fulman, J., Saxl, J. and Tiep, P. H.

Cycle indices for finite orthogonal groups of even characteristic. Preprint.

http://arxiv.org/PS_cache/arxiv/pdf/1004/1004.2678v1.pdf

Funk, M.

[see : Abreu, M.]

Furmańczyk, H., Kosowski, A., Ries, B. and Żyliński, P.
Mixed graph edge coloring. *Discrete Math.* **309** (2009) 4027–
4036. <http://dx.doi.org/10.1016/j.disc.2008.11.033>

Gagarin, A., Poghosyan, A. and Zverovich, V.

Upper bounds for α -domination parameters. *Graphs. Comb.* **25** (2009) 513-520.
<http://dx.doi.org/10.1007/s00373-009-0864-6>
http://arxiv.org/PS_cache/arxiv/pdf/0805/0805.0612v1.pdf

Gal, S.

[see: Alpern, S.]

Galčík, F., Gašieniec, L. and Lingas, A.

Efficient broadcasting in known topology radio networks with long-range interference.
<http://doi.acm.org/10.1145/1582716.1582754>

Gambardella, L. M., Montemanni, R., Rizzoli, A. E. and Smith, D. H.

Sequential ordering problems for crane scheduling in port terminals, *Int. J. Simulation and Process Modelling* **5** (2009) 348-
361. <http://dx.doi.org/10.1504/IJSPM.2009.032597>

Gandhi, R., Greening, B., Pemmaraju, S. and Raman, R.

Sub-coloring and hypo-coloring interval graphs. *Lect. Notes. Comput. Sci.* **5911** (2010) 122-132. <http://www.cs.uiowa.edu/~sriram/papers/subCol.pdf>
<http://www.cs.uiowa.edu/~sriram/papers/subCol.pdf>

Gao, Z.

[see: Bender, E. A.]

Garcia-González, C.G., Mladenović, N., Pérez-Brito, D. and Urošević, D.

Variable neighborhood search for bandwidth reduction. *Eur. J. Oper. Res.* **200** (2010) 14-27. <http://dx.doi.org/10.1016/j.ejor.2008.12.015>

Gašieniec, L.

On Efficient Gossiping in Radio Networks. Proceedings of SIROCCO 2009.
http://dx.doi.org/10.1007/978-3-642-11476-2_2

Gašieniec, L.

[see: Bampas, E., Czumaj, A., Czyzowicz, J., Galčík, F.]

Gate, J. and Stewart, I. A.

Frameworks for logically classifying polynomial-time optimisation problems,
Proceedings of Fifth International Computer Science Symposium in Russia, CSR'10,
Kazan, Russia, June 16-20, 2010, *Lect. Notes Comput. Sci.*, to appear.
<http://www.dur.ac.uk/i.a.stewart/Abstracts/OptFrameworks.htm>

Gauci, J. B.

[see: Dugdale, J. K.]

Geleijnse, G.

[see: Consoli, S.]

Gent, I. P., Huczynska, S., McKay, P., Miguel, I. and Nightingale, P.

Modelling Equidistant Frequency Permutation Arrays in Constraints. Preprint.
<http://www-circa.mcs.st-and.ac.uk/Preprints/efpa.pdf>

Georgiou, N.

[see: Brightwell, G. R., Crane, E.]

Gerke, S. and Makai, T.

No Dense Subgraphs Appear in the Triangle-free Graph Process. Preprint.
http://arxiv.org/PS_cache/arxiv/pdf/1002/1002.2316v1.pdf

Gerke, S.

[see: Balister, P., Blackburn, S. R.]

Ghosh, S.

[see: Cameron, P. J.]

Giesen, H.-E.

[see: Feng, J.]

Gill, N.

Transitive projective planes and insoluble groups. Preprint.

http://arxiv.org/PS_cache/arxiv/pdf/0903/0903.3302v2.pdf

Gill, N. and Helfgott, H. A.

Growth of small generating sets in $SL_n(\mathbb{Z}/p\mathbb{Z})$. Submitted.

http://arxiv.org/PS_cache/arxiv/pdf/1002/1002.1605v1.pdf

Giudici, M. and Hart, S.

Small maximal sum-free sets. *Electron J. Comb.* **16** (2009) R59.

http://www.combinatorics.org/Volume_16/PDF/v16i1r59.pdf

Goldberg, L. A. and Jerrum, M. R.

Inapproximability of the Tutte polynomial of a planar graph.

Submitted. http://arxiv.org/PS_cache/arxiv/pdf/0907/0907.1724v2.pdf

Goldberg, L. A. and Jerrum, M. R.

Approximating the partition function of the ferromagnetic Potts model. Submitted.

http://arxiv.org/PS_cache/arxiv/pdf/1002/1002.0986v1.pdf

Goldberg, L. A., Jerrum, M. R. and Karpinski, M.

The Mixing Time of Glauber Dynamics for Colouring Regular Trees. *Random Struct. Algorithms* (2010)

<http://dx.doi.org/10.1002/rsa.20303>

http://arxiv.org/PS_cache/arxiv/pdf/0806/0806.0921v1.pdf

Goldberg, L. A.

[see: Bulatov, A., Chebolu, P., Dyer, M.E., Elkind, E.]

Goldberg, P.

[see: Elkind, E.]

Golovach, P. A. and Heggernes, P.

Choosability of P_5 -free graphs, Proceedings of the 34th International Symposium on Mathematical Foundations of Computer Science (MFCS 2009). *Lect. Notes. Comput. Sci.* **5757** (2009) 382-391.

Golovach, P. A., Heggernes, P., Kratsch, D., Lokshtanov, D., Meister, D. and Saurabh, S.

Bandwidth on AT-free graphs, Proceedings of the 20th International Symposium on Algorithms and Computation (ISAAC 2009), *Lect. Notes Comput. Sci.* **5878** (2009) 573-582.

<http://www.iu.uib.no/~pinar/bandwidthATfree.pdf>

Golovach, P.A., Kamiński, M., Paulusma, D. and Thilikos, D.M.

Induced packing of odd cycles in a planar graph. 20th International Symposium on Algorithms and Computation (ISAAC 2009), Honolulu, Hawaii, United States.

<http://dx.doi.org/10.1007/978-3-642-10631-6>

<http://www.springerlink.com/content/7t3p5n118t16194u/>

Golovach, P. A. , Kratochvíl, J. and Suchy, O.

Parameterized Complexity of Generalized Domination Problems, Proceedings of the 35th International Workshop on Graph-Theoretic Concepts in Computer Science (WG 2009). *Lect. Notes Comput. Sci.*, to appear.

Golovach, P. A. , Lidicky, B. and Paulusma, D.

$L(2,1,1)$ –Labeling Is NP-Complete for Trees. Proceedings of the 6th International Conference on Theory and Application of Models of Computation (TAMC 2009), *Lect. Notes Comput. Sci.*, to appear.

Golovach, P. A. and Thilikos, D. M.

Paths of Bounded Length and Their Cuts: Parameterized Complexity and Algorithms, Proceedings of the 4th International Workshop on Parameterized and Exact Computation (IWPEC 2009). *Lect. Notes Comput. Sci.*, to appear.

Golovach, P. A.

[see: Bonato, A., Broersma, H. J., Fiala, J., Fomin, F. V.]

Gow, R.

[see : Drakakis, K.]

Gowers, W. T.

Decompositions, approximate structure, transference, and the Hahn-Banach theorem. *Bull. Lond. Math. Soc.*, to

appear. http://uk.arxiv.org/PS_cache/arxiv/pdf/0811/0811.3103v1.pdf

Gowers, W. T. and Wolf, J.

The true complexity of a system of linear equations. *Proc. Lond. Math. Soc.* **100** (2010) 155-176. <http://dx.doi.org/10.1112/plms/pdp019>

http://arxiv.org/PS_cache/arxiv/pdf/0711/0711.0185v1.pdf

Gowers, W. T. and Wolf, J.

Linear forms and quadratic uniformity for functions on \mathbb{Z}_N . Preprint.

http://arxiv.org/PS_cache/arxiv/pdf/1002/1002.2210v1.pdf

Gowers, W. T. and Wolf, J.

Linear forms and quadratic uniformity for functions on F_{p^n} . Preprint.

http://arxiv.org/PS_cache/arxiv/pdf/1002/1002.2209v1.pdf

Gowers, W. T. and Wolf, J.

Linear forms and higher-degree uniformity for functions on F_{p^n} . Preprint.

http://arxiv.org/PS_cache/arxiv/pdf/1002/1002.2208v1.pdf

Graham, B. and Grimmett, G. R.

Sharp thresholds for the random-cluster and Ising models. *Ann. Appl. Probab.*, to appear. <http://www.statslab.cam.ac.uk/~grg/papers/boxUS.pdf>

Grannell, M. J.

Some rigid Steiner 5-designs. *J. Comb. Des.*, to

appear. <http://dx.doi.org/10.1002/jcd.20252>

Grannell, M. J. and Griggs, T. S.

Embeddings and designs. In: *Topics in Topological Graph Theory*, edited by R. J. Wilson and L. W. Beineke. CUP (ISBN-13: 9780521802307), 2009.

Grannell, M. J., Griggs, T. S. and Knor, M.

Orientable biembeddings of Steiner triple systems of order 15. *J. Comb. Math. Comb. Comput.* **68** (2009) 79-92.

<http://mcs.open.ac.uk/mjg47/Papers/fiveorient.pdf>

Grannell, M. J., Griggs, T. S. and Knor, M.

On biembeddings of Latin squares. *Electron J. Comb.* **16** (2009) R106.

http://www.combinatorics.org/Volume_16/PDF/v16i1r106.pdf

Grannell, M. J., Griggs, T. S., LoFaro, G. and Tripodi, A.

Small bowtie systems: an enumeration. *J. Comb. Math. Comb. Comput.* **70** (2009) 149-159. <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. *Electron. Notes Discrete Math.* **34** (2009) 225-229. <http://dx.doi.org/10.1016/j.endm.2009.07.037>

<http://mcs.open.ac.uk/mjg47/papers/wscolorings.pdf>

Grannell, M. J., Griggs, T. S. and Quinn, K. A. S.

Smallest defining sets of directed designs. *Discrete Math.* **309** (2009) 4810-4818.

<http://dx.doi.org/10.1016/j.disc.2008.06.021>

<http://mcs.open.ac.uk/mjg47/Papers/DefDTS.pdf>

Grannell, M. J. and Knor, M.

Biembeddings of Abelian groups. *J. Comb. Des.* **18** (2010) 71-

83. <http://dx.doi.org/10.1002/jcd.20235> <http://www.math.sk/knor/PREP/p054.pdf>

Grannell, M. J. and Knor, M.

A lower bound for the number of orientable triangular embeddings of some complete graphs. *J. Comb. Theory Ser. B.* **100** (2010) 216-225.

<http://dx.doi.org/10.1016/j.jctb.2009.08.001>

<http://mcs.open.ac.uk/mjg47/papers/lowerbd2.pdf>

Grannell, M. J. and Knor, M.

An enumeration of minimum genus orientable embeddings of some complete bipartite graphs. *J. Comb. Math. Comb. Comput.*, to appear.

Grannell, M. J. and Knor, M.

On the number of triangular embeddings of complete graphs and complete tripartite graphs. Submitted.

Grannell, M. J. and Korzhik, V. P.

Orientable biembeddings of cyclic Steiner triple systems from current assignments on Möbius ladder graphs. *Discrete Math.* **309** (2009) 2847-

2860. <http://dx.doi.org/10.1016/j.disc.2008.07.016> <http://mcs.open.ac.uk/mjg47/Papers/mobiuscurrents.pdf>

Grannell, M. J.

[see: Chicot, K. M., Colbourn, C. J., Donovan, D. M., Forbes, A.D.]

Gray, R. and Macpherson, H. D.

Countable connected-homogeneous graphs. *J. Comb. Theory Ser. B.* **100** (2010)

97-118. <http://dx.doi.org/10.1016/j.jctb.2009.04.002>

<http://www.amsta.leeds.ac.uk/Pure/staff/macpherson/hdm37.pdf>

Gray, R. and Möller, R.

Locally-finite Connected-homogeneous Digraphs. Submitted.

Gray, R. and Ruškuc, N.

On Residual Finiteness of Direct Products of Algebraic Systems. *Monatsh. Math.* **158** (2009) 63-69. <http://dx.doi.org/10.1007/s00605-008-0036-4>

Gray, R. and Ruškuc, N.

Generators and relations for subsemigroups via boundaries in Cayley graphs. Submitted.

Gray, R. and Truss, J. K.

Cycle-free partial orders and ends of graphs. *Math. Proc. Camb. Philos. Soc.* **146**

(2009) 535-550. <http://dx.doi.org/10.1017/S0305004108002120>

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

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. <http://dx.doi.org/10.1007/s10472-010-9174-1>

Grayland, A., Miguel, I. and Roney-Dougal, C. M.

Snake Lex: An alternative to double lex. Proceedings of CP2009, Springer, 2009.

<http://www.cs.st-andrews.ac.uk/~andyg/publications/snakeLex.pdf>

Green, B. J.

Approximate groups and their applications: work of Bourgain, Gamburd, Helfgott and Sarnak. Submitted to Current Events Bulletin of the AMS, 2010.

http://arxiv.org/PS_cache/arxiv/pdf/0911/0911.3354v2.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.* **98** (2009) 365-392. <http://dx.doi.org/10.1112/plms/pdn030>
http://arxiv.org/PS_cache/math/pdf/0509/0509560v3.pdf
- Green, B. J. and Tao, T. C.**
 Freiman's theorem in finite fields via extremal set theory. *Comb. Probab. Comput.* **18** (2009) 335-355. <http://dx.doi.org/10.1017/S0963548309009821>
http://arxiv.org/PS_cache/math/pdf/0703/0703668v1.pdf
- Green, B. J. and Tao, T. C.**
 An equivalence between inverse sumset theorems and inverse conjectures for the U^3 -norm. *Math. Proc. Camb. Phil. Soc.*, to appear.
http://arxiv.org/PS_cache/arxiv/pdf/0906/0906.3100v1.pdf
- Green, B. J. and Tao, T. C.**
 An arithmetic regularity lemma, associated counting lemma, and applications. Submitted. http://arxiv.org/PS_cache/arxiv/pdf/1002/1002.2028v1.pdf
- Green, B. J. and Tao, T. C.**
 Yet another proof of Szemerédi's theorem. Submitted.
http://arxiv.org/PS_cache/arxiv/pdf/1002/1002.2254v1.pdf
- Green, B. J., Tao, T. C. and Ziegler, T.**
 An inverse theorem for the Gowers U^4 -norm. Submitted.
http://arxiv.org/PS_cache/arxiv/pdf/0911/0911.5681v1.pdf
- Green, B. J., Tao, T. C. and Ziegler, T.**
 An inverse theorem for the Gowers U^k -norm. Submitted.
- Green, B. J. and Wolf, J.**
 A note on Elkin's improvement of Behrend's construction. In: *Additive Number Theory*. Festschrift In Honor of the Sixtieth Birthday of Melvyn B. Nathanson (D. and G. Chudnovsky, eds.). Springer, May 2010. ISBN-13: 9780387370293.
- Green, B. J.**
 [see: Breuillard, E.]
- Greening, B.**
 [see: Gandhi, R.]
- Griffiths, S.**
 [see: Addario-Berry, L.]
- Griggs, T.S., Richter, R. B. and Širáň, J.**
 Graphs obtained from Moufang loops and regular maps. Submitted.
- Griggs, T. S.**
 [see; Chicot, K. M., Colbourn, C. J. Donovan, D. M., Drápal, A., Forbes, A. D., Grannell, M. J.]
- Grimmett, G. R.**
Probability on graphs. Institute of Mathematical Statistics textbooks No. 1. CUP, July 2010. ISBN-13: 9780521147354
<http://www.statslab.cam.ac.uk/~grg/books/USpgs.pdf>
- Grimmett, G. R. and Holroyd, A. E.**
 Lattice embeddings in percolation. Preprint.
http://arxiv.org/PS_cache/arxiv/pdf/1003/1003.3950v1.pdf
- Grimmett, G. R. and Janson, S.**
 Random even graphs. *Electron. J. Combin.* **16** (2009) R16.
http://www.combinatorics.org/Volume_16/PDF/v16i1r46.pdf
- Grimmett, G. R. and Janson, S.**
 Random graphs with forbidden vertex degrees. *Random Struct. Algorithms* (2010)

<http://dx.doi.org/10.1002/rsa.20307>

<http://www.statslab.cam.ac.uk/~grg/papers/even2.pdf>

Grimmett, G. R.

[see: Björnberg, J., Graham, B.]

Grosu, C. and Hladký, J.

The extremal function for bipartite tillings. Preprint.

http://arxiv.org/PS_cache/arxiv/pdf/0910/0910.1064v1.pdf

Guo, Y.

[see: Feng, J.]

Gupta, A., Gutin, G., Karimi, M., Kim, E. J. and Rafiey, A.

Minimum Cost Homomorphisms to Locally Semicomplete and Quasi-Transitive Digraphs. *Austral. J. Combin.*, to

appear. <http://www.cs.rhul.ac.uk/home/gutin/paperstsp/mchqtd041207.pdf>

Gutin, G., van Iersel, L, Mnich, M. and Yeo, A.

All Ternary Permutation Constraint Satisfaction Problems Parameterized Above Average Have Polynomial Kernels. Preprint.

http://arxiv.org/PS_cache/arxiv/pdf/1004/1004.1956v1.pdf

Gutin, G. and Karapetyan, D.

A memetic algorithm for the generalized traveling salesman problem. *Natural Computing* **9** (2010) 47-60. <http://dx.doi.org/10.1007/s11047-009-9111-6>

http://arxiv.org/PS_cache/arxiv/pdf/0804/0804.0722v3.pdf

Gutin, G. and Karapetyan, D.

A Selection of Useful Theoretical Tools for the Design and

Analysis of Optimization Heuristics. *Memetic Computing* **1** (2009) 25-34.

<http://dx.doi.org/10.1007/s12293-008-0001-8>

Gutin, G. and Karapetyan, D.

Generalized Traveling Salesman Problem Reduction Algorithms. *Algorithmic Operations Research* **7** (2009) 509-518.

Gutin, G. and Kim, E. J.

Complexity of the Minimum Cost Homomorphism Problem for Semicomplete Multipartite Digraphs with Possible Loops. *Discrete Appl. Math.* **158** (2010) 319-330.

<http://dx.doi.org/10.1016/j.dam.2009.07.013> <http://www.cs.rhul.ac.uk/~gutinpaperstsp/mchwp1251107.pdf>

Gutin, G. and Kim, E. J.

Properly Coloured Cycles and Paths: Results and Open Problems. *Lect. Notes*

Comput. Sci. **5420** (2009) 200-208. http://dx.doi.org/10.1007/978-3-642-02029-2_19

http://arxiv.org/PS_cache/arxiv/pdf/0805/0805.3901v3.pdf

Gutin, G., Kim, E. J. and Razgon, A.

Minimum Leaf Out-branching and Related Problems. *Theor. Comput. Sci.* **410** (2009) 4571-4579. <http://dx.doi.org/10.1016/j.tcs.2009.03.036>

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

A Probabilistic Approach to Problems Parameterized above or below Tight Bounds. *Lect. Notes. Comput. Sci.* **5917** (2009) 234-245.

http://arxiv.org/PS_cache/arxiv/pdf/0906/0906.1356v3.pdf

Gutin, G., Rafiey, A. and Yeo, A.

Minimum Cost Homomorphism Dichotomy for Oriented Cycles. *Graphs Comb.*, to appear.

Gutin, G.

[see: Alon, N., Balister, P. N., Bang-Jensen, J., Cohen, N., Daligault, J., Dankelmann, P., Feng, J., Gupta, A.]

Hagerup, T.

[see: Erlebach, T.]

Hahn, G.

[see: Bonato, A.]

Haldórsson, M. M., Kitaev, S. and Pyatkin, A.

On Semi-Transitive Orientations and Graphs Representable by Words. Preprint.

http://www2.ru.is/kennarar/sergey/index_files/Papers/hkp.pdf

Hall, R.

On Contracting Hyperplane Elements from a 3-Connected Matroid. *Adv. Appl. Math.*,

43 (2009) 12-23. <http://dx.doi.org/10.1016/j.aam.2008.04.004>

<http://bura.brunel.ac.uk/handle/2438/3651>

Hall, R., Mayhew, D. and van Zwam, S. H. M.

On Geelen's characterization of the near-regular matroids. *Eur. J. Comb.*, to appear.

http://uk.arxiv.org/PS_cache/arxiv/pdf/0902/0902.2071v2.pdf

Hall, R.

[see: Aikin, J.]

Hàn, H.

[see: Alon, N.]

Hanafi, S., Lazić, J., Mladenović, N. and Urošević, D.

Variable Neighbourhood Decomposition Search for 0-1 Mixed Integer Programs

Comput. Oper. Res. **37** (2010) 1055-

1067. <http://dx.doi.org/10.1016/j.cor.2009.09.010>

<http://bura.brunel.ac.uk/bitstream/2438/3863/1/Fulltext.pdf>

Hansen, J. and Jaworski, J.

A random mapping with preferential attachment. *Random Struct. Algorithms* **34** (2009) 87-

111. <http://dx.doi.org/10.1002/rsa.v34:1> <http://www.ma.hw.ac.uk/~jennie/papers/prefer.pdf>

Hansen, J. and Jaworski, J.

Random mappings with a given number of cyclic vertices. *Ars Comb.* **94** (2010) 341-

359. http://www.ma.hw.ac.uk/~jennie/papers/final_cycles.pdf

Hansen, K. A., Lachish, O and Miltersen, P. B.

Hilbert's thirteenth problem and circuit complexity. In 20th International Symposium on Algorithms and Computation (ISAAC'09), 2009. *Lect. Notes Comput. Sci.* **5878**

(2009) 153-162. http://dx.doi.org/10.1007/978-3-642-10631-6_17

<http://www.daimi.au.dk/~bromille/Papers/hilbert.pdf>

Hanusse, N.

[see: Bampas, E.]

Harrow, A.

[see: Ambainis, A., Clifford, R.]

Harsha, P.

[see: Ben-Sasson, E.]

Hart, D.

[see: Covert, D.]

Hart, S.

[see: Bates, C, Giudici, M.]

Hastings, M. B.

[see: Ambainis, A.]

Havet, F., Kang, R. J. and Sereni, J.-S.

- Improper colouring of unit disk graphs. *Networks* **54** (2009) 150-164. <http://dx.doi.org/10.1002/net.20318>
<http://hal.inria.fr/docs/00/15/06/27/PDF/RR-6206.pdf>
- Havet, F., Kang, R. J., Müller, T. and Sereni, J.-S.**
Circular choosability. *J. Graph Theory* **61** (2009) 241-270. <http://dx.doi.org/10.1002/jgt.20375>
<http://hal.inria.fr/docs/00/08/83/74/PDF/RR-5957.pdf>
- Havet, F.**
[see: Eggemann, N.]
- Haynes, T. W., Henning, M. A., van der Merwe, L. C. and Yeo, A.**
On the existence of k -partite or K_p -free total domination edge-critical graphs. Submitted.
- Haynes, T. W., Henning, M. A., van der Merwe, L. C. and Yeo, A.**
On a conjecture of Murty and Simon on Diameter 2 Critical Graphs. Submitted.
- Heggernes, P.**
[see: Golovach, P. A.]
- Helfgott, H. A. and Rudnev, M.**
An explicit incidence theorem in F_p . Submitted.
http://arxiv.org/PS_cache/arxiv/pdf/1001/1001.1980v2.pdf
- Helfgott, H. A.**
[see: Gill, N.]
- Hell, P.**
[see: Feder, T. Gutin, G.]
- Henning, M. and Yeo, A.**
Strong transversals in graphs. Submitted.
- Henning, M. and Yeo, A.**
Double total domination in graphs. Submitted.
- Henning, M. and Yeo, A.**
Lower bounds on the size of maximum independent sets and matchings in hypergraphs of rank three. Submitted.
- Henning, M. and Yeo, A.**
Perfect matchings in total domination critical graphs. Submitted.
- Henning, M.**
[see: Haynes, T. W.]
- Hetherington, T. J.**
Entire choosability of near-outerplane graphs. *Discrete Math.* **309** (2009) 2153-2165.
<http://dx.doi.org/10.1016/j.disc.2008.04.043>
- Hetherington, T. J.**
Coupled choosability of near-outerplane graphs, *Ars Combin.*, to appear.
- Hetherington, T. J. and Woodall, D. R.**
List-colouring the square of an outerplanar graph, *Ars Combin.*, to appear.
- van den Heuvel, J. and Thomassé, S.**
Cyclic Orderings and Cyclic Arboricity of Matroids. Submitted.
http://arxiv.org/PS_cache/arxiv/pdf/0912/0912.2929v1.pdf
- van den Heuvel, J.**
[see: Bauer, D., Cereceda, L., Havet, F.]
- Higgs, M. B. J., Perkins, S. and Smith, D. H.**
The construction of variable length codes with good synchronization properties. *IEEE Trans. Inf. Theory* **55** (2009) 1696-1700.
<http://dx.doi.org/10.1109/TIT.2009.2013050>

Higgins, P. M.

[see: Ahmad, I., Descalco, L.]

Hilton, A. J. W.

Degree-bounded factorizations of bipartite multigraphs and of pseudographs. *Discrete Math.* **310** (2010) 288-302. <http://dx.doi.org/10.1016/j.disc.2008.09.041>
<http://www.personal.reading.ac.uk/~smshiltn/papers/hilton%20dbf3.pdf>

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.* **116** (2009) 1023-1033.

<http://dx.doi.org/10.1016/j.jcta.2009.02.001>

http://www.personal.reading.ac.uk/~smshiltn/papers/Claire_paper_2.pdf

Hilton, A. J. W.

[see: Cariolaro, D., Dugdale, J. K.]

Hirschfeld, J. W. P.

Curves of genus 3. *Rend. Mat.*, to appear.

Hirschfeld, J. W. P.

[see; Bruen, A. A.]

Hladký, J., Král, D. and Norine, S.

Counting flags in triangle-free digraphs. Preprint.

http://arxiv.org/PS_cache/arxiv/pdf/0908/0908.2791v1.pdf

Hladký, J., Král, D. and Schauz, U.

Algebraic proof of Brooks' theorem. Preprint.

http://arxiv.org/PS_cache/arxiv/pdf/0905/0905.3475v2.pdf

Hladký, J. and Schacht, M.

Note on bipartite graph tilings. *SIAM J. Discrete Math.* **24** (2010) 357-362.

http://arxiv.org/PS_cache/arxiv/pdf/0806/0806.1192v2.pdf

Hladký, J.

[see: Allen, P., Böttcher, J., Cooley, O., Grosu, C.]

Hoang, C., Kamiński, M., Lozin, V. V., Sawada, J. and Shu, X.

Deciding k -colorability of P_5 -free graphs in polynomial time. *Algorithmica* **57** (2010) 74-81. <http://dx.doi.org/10.1007/s00453-008-9197-8>

http://arxiv.org/PS_cache/cs/pdf/0702/0702043v1.pdf

van 't Hof, P., Kamiński, M. & Paulusma, D.

Finding Induced Paths of Given Parity in Claw-Free Graphs. 35th International Workshop on Graph-Theoretic Concepts in Computer Science, Montpellier, France.

http://dx.doi.org/10.1007/978-3-642-11409-0_30

<http://www.dur.ac.uk/pim.vanthof/parity.pdf>

van 't Hof, P., Kamiński, M., Paulusma, D., Szeider, S. and Thilikos, D. M.

On contracting graphs to fixed pattern graphs. Proceedings of SOFSEM 2010, 36th International Conference on Current Trends in Theory and Practice of Computer Science, *Lect. Notes Comput. Sci.* **5901** (2010) 503-514.

<http://www.dur.ac.uk/pim.vanthof/contracting.pdf>

van 't Hof, P. and Paulusma, D.

A new characterization of P_6 -free graphs. *Discrete Appl. Math.* **158** (2010) 731-

740. <http://dx.doi.org/10.1016/j.dam.2008.08.025> <http://www.durham.ac.uk/daniel.paulusma/Papers/Submitted/p6free.pdf>

van 't Hof, P., Paulusma, D. and van Rooij, J. M. M.

Computing role assignments of chordal graphs. Submitted.

<http://www.dur.ac.uk/pim.vanthof/role.pdf>

van 't Hof, P., Paulusma, D. and Woeginger, G. J.

Partitioning graphs into connected parts. *Theor. Comput. Sci.* **410** (2009) 4834-4843. <http://dx.doi.org/10.1016/j.tcs.2009.06.028> <http://www.dur.ac.uk/pim.vanthof/partition.pdf>

van 't Hof, P

[see: Briskorn, D., Broersma, H. J.]

Hoffmann, M. and Thomas, R. M.

Notions of hyperbolicity in monoids. *Theor. Comput. Sci.* **411** (2010) 799-811. <http://dx.doi.org/10.1016/j.tcs.2009.10.016>

van der Hofstad, R. and Luczak, M. J.

Random Subgraphs of the 2D Hamming Graph: the Supercritical Phase. *Probab. Theory. Relat. Fields* **147** (2010) 1-41. <http://dx.doi.org/10.1007/s00440-009-0200-3> <http://www.win.tue.nl/~rhofstad/hammingfin.pdf>

Holroyd, A. E.

[see: Angel, O., Grimmett, G. R.]

Holroyd, F. C.

[see: Borg, P.]

Holt, D.F. and Rees, S. E.

Artin groups of large type are shortlex automatic with regular geodesics. Submitted. http://arxiv4.library.cornell.edu/PS_cache/arxiv/pdf/1003/1003.6007v1.pdf

Holt, D.F., Rees, S. and Röver, C.E.

Groups with Context-Free Conjugacy Problems. Submitted. <http://www.mas.ncl.ac.uk/~nser/abstracts/conjugacy.html>

Holt, D. F. and Roney-Dougal, C. M.

Constructing maximal subgroups of orthogonal groups. *LMS J. Comput. Math.*, to appear.

Holt, D.F.

[see: Bray, J. N.]

Horzela, A.

[see: Blasiak, P.]

Hu, Z.

[see: Berenbrink, P.]

Huczynska, S.

Equidistant frequency permutation arrays and related constant composition codes. Preprint. <http://www-circa.mcs.st-and.ac.uk/Preprints/freqpermarrays.pdf>

Huczynska, S., Mullen, G. L. and Yucas, J. L.

The extent to which subsets are additively closed. *J. Comb. Theory Ser. A* **116** (2009) 831-843. <http://dx.doi.org/10.1016/j.jcta.2008.11.007>

Huczynska, S.

[see: Brunk, F. T., Gent I. P.]

Huggett, S. and Moffatt, I.

Expansions for the Bollobás–Riordan and Tutte polynomials of separable ribbon graphs. *Ann. Comb.*, in press.

Hunt, F. H., Perkins, S. and Smith, D. H.

Exploiting spatial separations in CDMA systems with correlation constrained sets of Hadamard matrices. Submitted.

van Iersel, L.

[see: Gutin, G.]

Icinkas, D.

[see: Bampas, E., Czyzowicz, J.]

Ilić, A.

[see; Brimberg, J.]

Iosevich, A. and Rudnev, M.

Freiman Theorem, Fourier Transform and Additive Structure of Measures. *J. Aust. Math. Soc.* **86** (2009) 97–109. <http://dx.doi.org/10.1017/S1446788708000530>
<http://www.maths.bris.ac.uk/~maxmr/fourierfreiman.pdf>

Iosevich, A.

[see: Covert, D.]

Irving, J. and Rattan, A.

Minimal Factorizations of Permutations Into Star Transpositions. *Discrete Math.* **309** (2009) 1435-1442. <http://dx.doi.org/10.1016/j.disc.2008.02.018>
<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. *J. Comb. Theory Ser. A* **116** (2009) 499-514. <http://dx.doi.org/10.1016/j.jcta.2008.08.003>
http://arxiv.org/PS_cache/arxiv/pdf/0712/0712.3213v1.pdf

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

Finding large stable matchings. *ACM Journal of Experimental Algorithmics* **14** (2009) article 2, 30 pages. <http://doi.acm.org/10.1145/1498698.1537595>
http://www.dcs.gla.ac.uk/publications/PAPERS/8989/HRT_heuristic_techrep.pdf

Irving, R. W., Manlove, D. F. and O'Malley, G.

Stable marriage with ties and bounded length preference lists. *J. Discrete Algorithms* **7** (2009) 213-219. <http://dx.doi.org/10.1016/j.jda.2008.09.003>
<http://www.dcs.gla.ac.uk/publications/PAPERS//8909/smti-bounded.pdf>

Irving, R. W. and McDermid, E.

Popular matchings: structure and algorithms. Proceedings of COCCOON 2009. *Lect. Notes Comput. Sci* **5609** (2009) 506-515.
http://dx.doi.org/10.1007/978-3-642-02882-3_50
<http://www.dcs.gla.ac.uk/people/personal/mcdermid/Popular.pdf>

Irving, R. W.

[see: Biró, P.]

Ito, T., Kamiński, M., Paulusma, D. and Thilikos, D.M.

Parameterizing cut sets in a graph by the number of their components. 20th International Symposium on Algorithms and Computation (ISAAC 2009), Honolulu, Hawaii, United States. http://dx.doi.org/10.1007/978-3-642-10631-6_62

Jackson, B.

An inequality for Tutte polynomials. *Combinatorica*, to appear.

Jackson, B.

Counting 2-connected deletion minors of binary matroids, submitted.

Jackson, B. and Jordán, T.

Operations Preserving Global Rigidity of Generic Direction-Length Frameworks. *International Journal of Computational Geometry and Applications*. To appear. <http://www.maths.qmul.ac.uk/~bill/mixedbRESUBMIT.pdf>

Jackson, B. and Jordán, T.

Brick partitions of graphs. *Discrete Math.* **310** (2010) 270-275. <http://dx.doi.org/10.1016/j.disc.2008.09.034> www.cs.elte.hu/egres/tr/egres-07-05.ps

Jackson, B. and Jordán, T.

A sufficient connectivity condition for generic rigidity in the plane. *Discrete Appl. Math* **157** (2009) 1965-1968. <http://dx.doi.org/10.1016/j.dam.2008.12.003>

Jackson, B. and Jordán, T.

- The generic rank of body-bar-and-hinge frameworks. *Eur. J. Comb.* **31** (2010) 574-588. <http://dx.doi.org/10.1016/j.ejc.2009.03.030>
<http://www.cs.elte.hu/egres/tr/egres-07-06.pdf>
- Jackson, B. and Jordán, T.**
Globally Rigid Circuits of the Direction-Length Rigidity Matroid. *J. Comb. Theory Ser. B* **100** (2010) 1-22. <http://dx.doi.org/10.1016/j.jctb.2009.03.004>
- Jackson, B. and Keevash, P.**
Bounded direction-length frameworks. Submitted.
<http://www.maths.qmul.ac.uk/~keevash/papers/bounded.pdf>
- Jackson, B. and Keevash, P.**
Necessary Conditions for the Global Rigidity of Direction-Length Frameworks, Submitted <http://www.maths.qmul.ac.uk/~keevash/papers/global.pdf>
- Jackson, B. and Sokal, A. D.**
Zero-free regions for multivariate Tutte polynomials (alias Potts-model partition functions) of graphs and matroids. *J. Comb. Theory Ser. B* **99** (2009) 869-903. <http://dx.doi.org/10.1016/j.jctb.2009.03.002>
http://uk.arxiv.org/PS_cache/arxiv/pdf/0806/0806.3249v1.pdf
- Jackson, B. and Sokal, A. D.**
Maxmaxflow and Counting subgraphs. *Electron. J. Comb.*, to appear.
http://arxiv.org/PS_cache/math/pdf/0703/0703585v1.pdf
- Jackson, B. and Yoshimoto, K.**
Spanning even subgraphs of 3-edge-connected graphs. *J. Graph Theory* **62** (2009) 37-47. <http://dx.doi.org/10.1002/jgt.20386>
- Jackson, B.**
[see: Abreu, M., Cosh, B., Dong F. M.]
- Jalsenius, M.**
Strong Spatial Mixing and Rapid Mixing with Five Colours for the Kagome Lattice. *LMS J. Comput. Math.* **12** (2009) 195-227. <http://dx.doi.org/10.1112/S1461157000001492>
http://arxiv.org/PS_cache/math-ph/pdf/0701/0701043v2.pdf
- Jalsenius, M.**
[see: Arthur, D., Bulatov, A., Dyer, M. E.]
- James, G. D.**
[see: Brandt, M.]
- Jansen, K.**
[see: Erlebach, T.]
- Janson, S. and Riordan, O. M.**
Susceptibility in inhomogeneous random graphs. Preprint.
http://arxiv.org/PS_cache/arxiv/pdf/0905/0905.0437v1.pdf
- Janson, S. and Riordan, O. M.**
Duality in inhomogeneous random graphs, and the cut metric. Preprint.
http://arxiv.org/PS_cache/arxiv/pdf/0905/0905.0434v1.pdf
- Janson, S.**
[see: Bollobás, B., Grimmett, G. R.]
- Jansson, J.**
[see: Czumaj, A., Czyzowicz, J.]
- Jaworski, J.**
[see: Hansen, J.]
- Jeavons, P.**
[see: Boerner, F.]

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. and Johnson, N. L.

Translation planes constructed by multiple hyper-regulus replacement. *J. Geom.* **94** (2009) 59-87. <http://dx.doi.org/10.1007/s00022-009-0008-4>

Jha, V. and Johnson, N. L.

On the planes of Suetake. *J. Geom.* **94** (2009) 89-105. <http://dx.doi.org/10.1007/s00022-009-0004-8>

Johnson, J. R.

Universal cycles for permutations. *Discrete Math.* **309** (2009) 5264-5270.

<http://dx.doi.org/10.1016/j.disc.2007.11.004>

http://arxiv.org/PS_cache/arxiv/pdf/0710/0710.5611v1.pdf

Johnson, J. R.

An inductive construction for Hamilton cycles in Kneser graphs. Submitted.

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

Vertex Turán problems in the hypercube. *J. Comb. Theory Ser. A* **117** (2010) 454-465.

<http://dx.doi.org/10.1016/j.jcta.2009.07.004>

http://uk.arxiv.org/PS_cache/arxiv/pdf/0904/0904.1479v1.pdf

Johnson, J. R.

[see: Baber, R., Balister, P.]

Johnson, M., Patel, V., Paulusma, D. and Trunck, T.

Obtaining online ecological colourings by generalizing first-fit. Proceedings of Fifth International Computer Science Symposium in Russia, CSR'10, Kazan, Russia, June 16-20, 2010. *Lect. Notes Comput. Sci.*, to appear.

Johnson, M., Paulusma, D. and Wood, C.

Path factors and parallel knock-out schemes of almost claw-free graphs. *Discrete Math.* **310** (2010) 1413-1423. <http://dx.doi.org/10.1016/j.disc.2009.04.022>

Johnson, M.

[see: Broersma, H. J., Cereceda, L., van den Heuvel, J.]

Johnson, N. L.

[see: Jha, V.]

Johnstone, A.

[see: Balister, P. N.]

Jones, S. K., Perkins, S. and Roach, P. A.

Properties, Isomorphisms and enumeration of 2-quasi-magic Sudoku grids. Submitted to *Discrete Math.*

Jones, R. A., Perkins, S., Sanusi, S. O. and Smith, D. H.

The application of frequency assignment techniques in spreading code assignment. *Wireless Personal Communications* (2009)

<http://dx.doi.org/10.1007/s11277-009-9732-1>

Jonsson, P., Krokhin, A. and Kuivinen, P.

Hard constraint satisfaction problems have hard gaps at location 1. *Theor. Comput. Sci.* **410** (2009) 3856-3874. <http://www.dur.ac.uk/andrei.krokhin/papers/singlerel.pdf>

Jonsson, P.

[see: Feder, T.]

Jordan, T., Kesseböhmer, M., Pollicott, M. and Stratmann, B.

Sets of non-differentiability for conjugacies between expanding interval maps. *Fund. Math.* **206** (2009) 161-183. <http://dx.doi.org/10.4064/fm206-0-10> http://arxiv.org/PS_cache/arxiv/pdf/0807/0807.0115v1.pdf

Jordán, T.

[see: Jackson, B.]

Josuát-Vergès, M.

[see: Corteel, S.]

Jurdziński, M. and Lazić, R.

Alternating Automata on Data Trees and XPath Satisfiability. Preprint.

http://arxiv.org/PS_cache/arxiv/pdf/0805/0805.0330v3.pdf

Jurdziński, M., Lazić, R. and Rutkowski, M.

Average-Price-per-Reward Games on Hybrid Automata with Strong Resets. *Lect. Notes Comput. Sci.* **5403** (2009) 167-181.

http://dx.doi.org/10.1007/978-3-540-93900-9_16

http://www.dcs.warwick.ac.uk/~lazic/ggp_for_hgsr.pdf

Jurdziński, M.

[see: Demri, S.]

Kahl, N.

[see: Bauer, D.]

Kamiński, M., Lozin, V. V. and Milanič, M.

Recent developments on graphs of bounded clique-width. *Discrete Appl. Math.* **157** (2009) 2747-2761. <http://dx.doi.org/10.1016/j.dam.2008.08.022>

http://rutcor.rutgers.edu/pub/rrr/reports2007/6_2007.pdf

Kamiński, M.

[see: Golovach, P. A., Hoang, C., van 't Hof, P., Ito, T.]

Kang, M.

[see: Alon, N. Behrisch, M., Cameron, P. J., Coja-Oghlan, A.]

Kang, R. J. and Manggala, P.

On distance edge-colourings and matchings. (*EuroComb 2009, Bordeaux*). *Electron. Notes Discrete Math.* **34** (2009) 301-306.

<http://dx.doi.org/10.1016/j.endm.2009.07.049>

Kang, R. J. and McDiarmid, C. J. H.

The t -improper chromatic number of random graphs. *Comb. Probab. Comput.* **19** (2010) 87-98. <http://dx.doi.org/10.1017/S0963548309990216>

http://arxiv.org/PS_cache/arxiv/pdf/0809/0809.4726v1.pdf

Kang, R. J. and Müller, T.

Acyclic and frugal colourings of graphs. In *Proceedings of the 8th Cologne-Twente Workshop on Graphs and Combinatorial*

Optimization. <http://www.eurandom.tue.nl/reports/2008/013-report.pdf>

Kang, R. J., Sereni, J.-S. and Stehlik, M.

Every plane graph of maximum degree 8 has an edge-face 9-colouring. Submitted.

http://arxiv.org/PS_cache/arxiv/pdf/0912/0912.4770v1.pdf

Kang, R. J.

[see: Addario-Berry, L., Fountoulakis, N., Havet, F.]

Karapetyan, D.

[see: Gutin, G.]

Karimi, M.

[see: Gupta, A.]

Karpinski, M.

[see: Goldberg, L. A.]

Kaski, P.

[see: Colbourn, C. J.]

Katrantzi, I.

[see: Alpern, S.]

Kazachkov, I. V.

[see: Duncan, A. J.]

Keedwell, A. D.

Realizations of loops and groups defined by short identities. *Commentat. Math. Univ. Carol.* **50** (2009) 373-383.

Keedwell, A. D.

Corrigendum to "Realizations of loops and groups defined by short identities"

[*Commentat. Math. Univ. Carol.* **50** (2009) 373-383]. . *Commentat. Math. Univ. Carol.* **50** (2009) 639-640.

Keedwell, A. D.

Constructions of complete sets of orthogonal diagonal Sudoku squares. *Australas J. Comb.*, to appear.

Keevash, P.

Addendum to: *Shadows and intersections: stability and new proofs*. Preprint.

<http://www.maths.qmul.ac.uk/~keevash/papers/kk-addendum.pdf>

Keevash, P. and Sudakov, B.

Triangle packings and 1-factors in oriented graphs. *J. Comb. Theory Ser. A* **99** (2009) 709-727 <http://dx.doi.org/10.1016/j.jctb.2008.12.004>

<http://www.maths.qmul.ac.uk/~keevash/papers/1factor-journal.pdf>

Keevash, P. and Sudakov, B.

Pancyclicity of Hamiltonian and highly connected graphs. *J. Comb. Theory Ser. B.*, to appear. <http://dx.doi.org/10.1016/j.jctb.2010.02.001>

http://uk.arxiv.org/PS_cache/arxiv/pdf/0903/0903.4567v1.pdf

Keevash, P.

[see: Bohman, T., Christofides, D., Fox, J., Jackson, B.]

Kelly, L.

Arbitrary Orientations Of Hamilton Cycles In Oriented Graphs. Submitted

http://arxiv.org/PS_cache/arxiv/pdf/0907/0907.3358v2.pdf

Kelly, L., Kühn, D. and Osthus, D.

Cycles of given length in oriented graphs. *J. Comb. Theory Ser. B* **100** (2010) 241-254. <http://dx.doi.org/10.1016/j.jctb.2009.08.002> <http://web.mat.bham.ac.uk/D.Osthus/cycles4.pdf>

Kelsey, T. W.

[see: Distler, A.]

Kemp, T., Mahlburg, K., Rattan, A. and Smyth, C.

Enumeration of Non-Crossing pairings on bit strings. Preprint.

http://arxiv.org/PS_cache/arxiv/pdf/0906/0906.2183v2.pdf

Kern, W. and Paulusma, D.

On the core and f -nucleolus of flow games. *Mathematics of Operations Research* **34** (2009) 981-991. <http://dx.doi.org/10.1287/moor.1090.0405>

<http://mor.journal.informs.org/cgi/reprint/34/4/981>

Kern, W.

[see: Biró, P.]

Kesseböhmer, M. and Stratmann, B. O.

Hölder-differentiability of Gibbs distribution functions. *Math. Proc. Camb. Phil. Soc.*, **147** (2009) 4389-503. <http://dx.doi.org/10.1017/S0305004109002473>
http://arxiv.org/PS_cache/arxiv/pdf/0711/0711.4698v1.pdf

Kesseböhmer, M.

[see: Jordan, T.]

Kesselheim, T.

[see: Fanghänel, A.]

Key, J. D., Mavron, V. C. and McDonough, T. P.

Reed-Muller codes and permutation decoding. *Discrete Math.*, to appear. <http://dx.doi.org/10.1016/j.disc.2009.06.001>

Kim E. J.

[see: Alon, N., Cohen, N., Daligault, J., Dankelmann, P., Gupta, A., Gutin, G.]

King, J.

[see: Devroye, L.]

King, O.H.

[see: Cossidente, A.]

King, R. C., Tollu, C. and Toumazet, F.

Factorisation of Littlewood-Richardson coefficients. *J. Comb. Theory Ser A.* **116** (2009) 314-333. <http://dx.doi.org/10.1016/j.jcta.2008.06.005>

Király, Z.

[see: Cosh, B.]

Kiss, Gy.

[see: Csikós, B.]

Kitaev, S. and Pyatkin, A.

On avoidance of V and Λ – patterns in permutations. *Ars Comb.*, to appear. http://www.math.ru.is/download/KiPy09_On_avoidance.pdf

Kitaev, S.

[see: Avgustinovich, S., Halldórsson, M. M.]

Klasing, R.

[see: Bampas, E., Cooper, C., Czyzowicz, J.]

Klembt, T.

[see: Brandstädt, A.]

Klinz, B.

[see: Deineko, V.]

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* **99** (2009) 733-800.

<http://dx.doi.org/10.1016/j.jctb.2008.12.005> <http://www.comp.leeds.ac.uk/vuskovi/diamond.ps>

Klopsch, B. and Lev, V. F.

Generating abelian groups by addition only. *Forum Math.* **21** (2009) 23-41. http://arxiv.org/PS_cache/arxiv/pdf/0911/0911.2966v1.pdf

Klopsch, B.

[see: Bienert, R.]

Knor, M.

[see: Grannell, M. J.]

Koh, D.

[see: Covert, D.]

Kohayakawa, Y., Simonovits, M. and Skokan, J.

The 3-colored Ramsey Number of Odd Cycles. *J. Comb. Theory Ser. B*, to appear. <http://www.cdam.lse.ac.uk/Reports/Files/cdam-2008-16.pdf>

Körner, J.

[see; Brightwell, G. R.]

Korpelainen, N. and Lozin, V. V.

Bipartite Graphs of Large Clique-Width. *Lect. Notes Comput. Sci.* **5874** 385–395

http://dx.doi.org/10.1007/978-3-642-10217-2_38

Korpelainen, N., Lozin, V. V. and Tiskin, A.

Hamiltonian cycles in subcubic graphs: what makes the problem difficult. In Proceedings on TAMC 2010. *Lect. Notes. Comput. Sci.*, to appear.

Korpelainen, N.

[see: Cardoso, D. M.]

Korst, J.

[see: Consoli, S.]

Korzhik, V. P.

[see: Grannell, M. J.]

Kosowski, A.

[see: Bampas, E., Furmańczyk, H.]

Kostochka, A. V., Özkahya, L. and Woodall, D. R.

A Brooks-type bound for squares of K_4 -minor-free graphs. *Discrete Math.* **309** (2009)

6572-6584. <http://dx.doi.org/10.1016/j.disc.2009.07.004>

Kotnyek, B.

[see: Appa, G.]

Kozma, R.

[see: Bollobás, B.]

Král, D.

[see: Hladký, J.]

Kratochvíl, J.

[see: Bonato, A., Fiala, J., Fomin, F. V., Golovach, P. A.]

Kratsch, D.

[see: Broersma, H. J., Fomin, F. V., Golovach, P. A.]

Kreutzer, S.

On the Parameterised Intractability of Monadic Second-Order Logic. *Proceedings of the 18th EACSL Conference on Computer Science Logic (CSL)*, 2009.

<http://web.comlab.ox.ac.uk/people/Stephan.Kreutzer/Publications/csl09.pdf>

Kreutzer, S. and Tazari, S.

On Brambles, Grid-Like Minors, and Parameterized Intractability of Monadic Second-Order Logic. Symposium on Discrete Algorithms (SODA), 2010.

<http://web.comlab.ox.ac.uk/people/Stephan.Kreutzer/Publications/10-soda.pdf>

Kreutzer, S.

[see: Dawar, A.]

Krivelevich, M.

[see: Balogh, J.]

Krokhin, A. and Marx, D.

On the hardness of losing weight. *ACM Transactions on Algorithms*, to appear.

<http://www.dur.ac.uk/andrei.krokhin/papers/localcsp-journal-revised.pdf>

Krokhin, A.

[see: Boerner, F., Carvalho, C., Egri, L., Feder, T., Jonsson, P.]

Krusche, P. and Tiskin, A.

String comparison by transposition networks. In Joseph Chan, Jacqueline K. Daykin

and M. Sohel Rahman, editors, London Algorithmics 2008: Theory and Practice 2008: A Volume Dedicated to Maxime Crochemore on His 60th Birthday, volume 11
College Publications, 2009.

http://arxiv4.library.cornell.edu/PS_cache/arxiv/pdf/0903/0903.3579v1.pdf

Krusche, P. and Tiskin, A.

Computing alignment plots efficiently. In Proceedings of ParCo, 2009.

http://arxiv.org/PS_cache/arxiv/pdf/0909/0909.2000v1.pdf

Krusche, P. and Tiskin, A.

Longest increasing subsequences in scalable time and memory. In Proceedings of PPAM, 2009.

Kühn, D., Mycroft, R. and Osthus, D.

Hamilton l -cycles in uniform hypergraphs. *J. Comb. Theory Ser. A*, to appear.

<http://dx.doi.org/10.1016/j.jcta.2010.02.010>

<http://web.mat.bham.ac.uk/D.Kuehn/l-cycles2.pdf>

Kühn, D., Mycroft, R. and Osthus, D.

An approximate version of Sumner's universal tournament conjecture. Submitted.

<http://web.mat.bham.ac.uk/D.Osthus/trees3.pdf>

Kühn, D., Mycroft, R. and Osthus, D.

A proof of Sumner's universal tournament conjecture for large tournaments.

Submitted. <http://web.mat.bham.ac.uk/D.Osthus/exacttrees3.pdf>

Kühn, D., Osthus, D. and Treglown, A.

An Ore-type theorem for perfect packings in graphs. *SIAM J. Discrete Math.* **23**

(2009) 1335-1355. <http://dx.doi.org/10.1137/080731256>

<http://web.mat.bham.ac.uk/D.Kuehn/orepackings10.pdf>

Kühn, D., Osthus, D. and Treglown, A.

Hamiltonian degree sequences in digraphs. *J. Comb. Theory Ser. B*, to appear.

<http://dx.doi.org/10.1016/j.jctb.2009.11.004>

Kühn, D., Osthus, D. and Treglown, A.

Hamilton decompositions of regular tournaments. *Proc. Lond. Math. Soc.*, to appear.

<http://dx.doi.org/10.1112/plms/pdp062>

Kühn, D.

[see: Christofides, D., Cooley, O., Fountoulakis, N., Kelly, L.]

Kuivinen, P.

[see: Jonsson, P.]

Labbate, D.

[see: Abreu, M.]

Lachish, O. and Newman, I.

Testing Periodicity. *Algorithmica* 2009. <http://dx.doi.org/10.1007/s00453-009-9351-y>

Lachish, O.

[see: Aziz, H., Ben-Sasson, E., Demri, S., Hansen, K. A.]

Lanka, A.

[see: Coja-Oghlan, A.]

Larose, B.

[see: Egri, L.]

Larson, J.

[see: Džamonja, M.]

Launois, S.

[see: Bell, J.]

Law, H.-F.

On the number of independent sets in a tree. *Electron J. Comb.* **17** (2010) N18.

http://www.combinatorics.org/Volume_17/PDF/v17i1n18.pdf

Lazić, J.

[see: Hanafi, S.]

Lazić, R.

[see: Demri, S., Jurdiński, M.]

Leader, I. B. and Tan, T. S.

Directed simplices in higher order tournaments. *Mathematika* **56** (2010) 173-181.

http://arxiv.org/PS_cache/arxiv/pdf/0906/0906.4027v1.pdf

Leader, I. B.

[see: Bollobás, B., Borg, P.]

Lefevre, J. G.

[see: Donovan, D. M.]

Lev, V. F.

[see: Klopsch, B.]

Levavi, A.

[see: Abraham, D. J.]

Levin, A.

[see: Epstein, L.]

Levin, D., Luczak, M. J. and Peres, Y.

Glauber dynamics for the mean-field Ising model: Cut-off, critical power law, and metastability. *Probab. Theory Relat. Fields* **146** (2010) 223-265

http://arxiv.org/PS_cache/arxiv/pdf/0712/0712.0790v2.pdf

Liebeck, M. W., Macpherson H. D. and Tent, K.

Primitive permutation groups of bounded orbital diameter. *Proc. Lond. Math. Soc* **100** (2010) 216-248. <http://dx.doi.org/10.1112/plms/pdp024>

<http://www.amsta.leeds.ac.uk/pure/staff/macpherson/liemacten.pdf>

Lieby, P., McKay, B. D., McLeod, J. C. and Wanless, I.

Subgraphs of random k -edge coloured k -regular graphs. *Comb. Probab. Comput.* **18** (2009) 533-549. <http://dx.doi.org/10.1017/S0963548309009882>

<http://users.monash.edu.au/~iwanless/abstracts/kedgecol.html>

Liedloff, M.

[see: Fomin, F. V.]

Lignos, I.

[see: Czyzowicz, J.]

Lingas, A.

[see: Adamaszek, A., Czumaj, A., Galčík, F.]

Linton, S. A.

[see: Albert, M. H.]

Lockett, D.

[see: Cameron, P. J.]

LoFaro, G.

[see: Grannell, M. J.]

Lokshtanov, D.

[see: Fomin, F. V., Golovach, P. A.]

Lovell, S. and Truss, J. K.

Cycle-types in the automorphism groups of countable homogeneous graphs. Preprint.

<http://www.amsta.leeds.ac.uk/pure/staff/truss/stephen1old.pdf>

Lozin, V. V.

Stability preserving transformations of graphs. *Annals of Operations Research*, to appear. <http://dx.doi.org/10.1007/s10479-008-0395-1>

<http://www.warwick.ac.uk/~masgax/sptr-aor.pdf>

Lozin, V. V.

Minimal classes of graphs of unbounded clique-width. *Ann. Comb.*, to appear.

Lozin, V. V.

Parameterized complexity of the maximum independent set problem and the speed of hereditary properties. *Electron. Notes Discrete Math.* **34** (2009) 127–

131. <http://dx.doi.org/10.1016/j.endm.2009.07.021>

Lozin, V. V.

[see: Brandstädt, A., Cardoso, D. M., Hoang, C., Kamiński, M., Korpelainen, N.]

Luczak, M. J.

[see: van der Hofstad, R., Levin, D.]

Lutley, J.

[see: Bell, J.]

Lyle, S.

[see: Brandt, M.]

Mačaj, M. and Širáň, J.

Search for properties of the missing Moore graph. *Linear Algebra Appl.* **432** (2010)

2391-2398. <http://dx.doi.org/10.1016/j.laa.2009.07.018>

Máčajová, E.

[see: Grannell, M. J.]

Machado, R. C. S.

[see: Figueiredo, C. M. H.]

Macpherson, H. D.

[see: Gray, R., Liebeck, M. W.]

Mahlburg, K.

[see: Kemp, T.]

Makai, T.

[see: Gerke, S.]

Maltcev, V., Mitchell, J. D. and Ruškuc, N.

The Bergman property for semigroups. *J. London Math. Soc.* **80** (2009) 212-232.

<http://dx.doi.org/10.1112/jlms/jdp025>

<http://www-groups.mcs.st-andrews.ac.uk/~jamesm/articles/bergman5.pdf>

Maltcev, V.

[see: Fernandes, V. H.]

Manggala, P.

[see: Kang, R. J.]

Manlove, D. F. and McDermid, E.

Keeping partners together: Algorithmic results for the hospitals /residents problem with couples. *J. Comb. Optim.* **19** (2010) 279-303.

<http://dx.doi.org/10.1007/s10878-009-9257-2>

<http://www.dcs.gla.ac.uk/people/personal/mcdermid/Partners.pdf>

Manlove, D. F. and Sng, C.

Popular matchings in the weighted capacitated house allocation problem. *J. Discrete Algorithms* **8** (2010) 102-116.

Manlove, D. F.

[see: Abraham, D. J. Biró, P., Fernau, H., Irving, R. W.]

Marchal, L.

[see: Broersma, H. J.]

- Marciniszyn, M., Skokan, J., Spöhel R. and Steger, A.**
Asymmetric Ramsey properties of random graphs involving cliques. *Random Struct. Algorithms* **34** (2009) 419-453. <http://dx.doi.org/10.1002/rsa.20239>
- Markström, K. and Talbot, J. M.**
On the density of 2-colourable 3-graphs in which any four points span at most two edges. *J. Comb. Des.* **18** (2009) 105-114. <http://dx.doi.org/10.1002/jcd.20223>
<http://www.ucl.ac.uk/~ucahjmt/kturan.pdf>
- Marsh, R. J. and Martin, P. P.**
Tiling bijections between paths and Brauer diagrams. Preprint.
http://www.maths.leeds.ac.uk/~marsh/research_articles/pp32.pdf
- Marsh, R. J.**
[see: Baur, K.]
- Martin, J. B.**
[see: Angel, O.]
- Martin, K. M.**
On the Applicability of Combinatorial Designs to Key Predistribution for Wireless Sensor Networks. *Lect. Notes. Comput. Sci.* **5557** (2009) 124-145.
http://dx.doi.org/10.1007/978-3-642-01877-0_12
- Martin, K. M. Paterson, M. B. and Stinson, D. R.**
Key predistribution for homogeneous wireless sensor networks with group deployment of nodes. *ACM Transactions on Sensor Networks*, to appear.
<http://eprint.iacr.org/2008/412.pdf>
- Martin, K. M.**
[see: Blackburn, S. R.]
- Martin, P. P.**
[see: Marsh, R. J.]
- Martin, R.**
[see: Chebolu, P., Czyzowicz, J.]
- Marx, D.**
[see: Krokhin, A.]
- Matsliah, A.**
[see: Ben-Sasson, E.]
- Matoušek, J.**
[see: Bukh, B.]
- Mavron, V. C., McDonough, T. P. and Ward, H. N.**
Amalgams of designs and nets. *Bull. Lond. Math. Soc.* **41** (2009) 841-852.
<http://dx.doi.org/10.1112/blms/bdp060>
- Mavron, V. C.**
[see: Key, J. D.]
- Mayhew, D.**
[see: Aikin, J., Hall, R.]
- McCourt, T.**
[see: Donovan, D. M.]
- McDermid, E.**
A 3/2-approximation algorithm for general stable marriage. *Lect. Notes Comput. Sci.* **5555** (2009) 689-700. http://dx.doi.org/10.1007/978-3-642-02927-1_57
<http://www.dcs.gla.ac.uk/people/personal/mcdermid/ThreeoverTwo.pdf>
- McDermid, E.**
[see: Biró, P., Irving, R. W., Manlove, D. F.]
- McDiarmid, C. J. H.**

Random Graphs from a Minor-Closed Class. *Comb. Probab. Comput.* **18** (2009) 583-599. <http://dx.doi.org/10.1017/S0963548309009717>

McDiarmid, C. J. H.

[see: Addario-Berry, L., Aldous, D. J., Devroye, L., Fountoulakis, N., Havet, F., Kang, R. J.]

McDonough, T. P.

[see: Key, J. D., Mavron, V. C.]

McGrae, A. R.

[see: Cooper, C.]

McKay, B. D. and McLeod, J. C.

Asymptotic enumeration of symmetric integer matrices with equal row and column sums. Submitted.

McKay, B. D.

[see: Lieby, P.]

McKay, P.

[see: Gent, I. P.]

McLeod, J. C.

Asymptotic Enumeration of k -Edge-Colored k -Regular Graphs.

SIAM J. Discrete Math. **23** (2010) 2178-2197. <http://dx.doi.org/10.1137/080725556>

McLeod, J. C.

[see: Lieby, P., McKay, B. D.]

Meister, D.

[see: Golovach, P. A.]

Mereu, A.

[see: Erlebach, T.]

Merino, C. and Noble, S. D.

The equivalence of two graph polynomials and a symmetric function. *Comb. Probab. Comput.* **18** (2009) 601-615. <http://dx.doi.org/10.1017/S0963548309009845>

<http://bura.brunel.ac.uk/handle/2438/3067>

Merino, C.

[see: Chavez-Lomelí, L.]

van der Merwe, L. C.

[see: Haynes, T. W.]

Meuwly, F.-X., Ries B. and Zuffrey, N.

Solution methods for a scheduling problem with incompatibility and precedence constraints. Submitted.

Miasnikov, A.

[see: Diekert, V.]

Miguel, I.

[see: Gent, I. P., Grayland, A.]

Mihalak, M.

[see: Bilò, D., Erlebach, T.]

Miklós, D.

[see: Bollobás, B.]

Milanič, M.

[see: Kamiński, M.]

Miltersen, P. B.

[see: Hansen, K. A.]

Minzlaff, M.

[see: Erlebach, T.]

Mitchell, J. D.

[see: Araújo, J., Fernandes, V. H., Huczynska, S., Maltcev, V.]

Mitchell, W.

[see: Džamonja, M.]

Mittal, S.

[see: Biró, P.]

Mladenović, N.

[see: Brimberg, J., Consoli, S., Garcia-González, C.G., Hanafi, S.]

Mnich, M.

[see: Gutin, G.]

Moffatt, I.

[see: Huggett, S.]

Möller, R.

[see: Gray, R.]

Montajano, L.

[see: Arocha, J.]

Montanaro, A.

[see: Arthur, D.]

Montemanni, R. and Smith, D. H.

Heuristic manipulation, tabu search and frequency assignment. *Computers and Operational Research* **37** (2010) 543-551. <http://dx.doi.org/10.1016/j.cor.2008.08.006>

Montemanni, R. and Smith, D. H.

Metaheuristics for the construction of constant GC-content DNA codes, MIC 2009: The VIII Metaheuristics International Conference, Hamburg, July 13 - 16, 2009.

Montemanni, R.

[see: Abolun, N., Gambaradella, L. M.]

Moreno, J.

[see: Consoli, S.]

Morris, R. D.

[see: Alon, N., Balogh, J., Bollobás, B.]

MörTERS, P.

[see: Dereich, S., Doku-Amponsah, K.]

Morton, A.

[see: Alpern, S.]

Mosca, R.

[see: Brandstädt, A.]

Mossel, E.

[see: Coja-Oghlan, A.]

Mujuni, E.

[see: Fleischner, H.]

Mullen, G. L.

[see: Huczynska, S.]

Müller, H.

[see: Kloks, T.]

Müller, T. and Waters, R. J.

Circular choosability is rational. *J. Comb. Theory Ser. B* **99** (2009) 801-813.

<http://dx.doi.org/10.1016/j.jctb.2009.01.002>

<http://homepages.cwi.nl/~mueller/Papers/cchinQ.pdf>

Müller, T.

[see: Addario-Berry, L., Balogh, J., Havet, F., Kang, R. J.]

Murray, S. H. and Roney-Dougal, C. M.
Constructive homomorphism for classical groups. *J. Symb. Comput.*, to appear.
http://www-circa.mcs.st-and.ac.uk/Preprints/submitted_spinor.pdf

Mycroft, R.
[see: Kühn, D.]

Nagel, L.
[see: Berenbrink, P., Dantchev, S.]

Neumann, P. M.
Primitive permutation groups and their section-regular partitions. *Mich. Math. J.* **58** (2009) 309-322. <http://dx.doi.org/10.1307/mmj/1242071695>

Neunhöffer, M.
[see: Araújo, J., Carlson, J.]

Newman, I.
[see: Lachish, O.]

Ng, S.-L.
[see: Blackburn, S. R.]

Ngai, E.
[see; Brimberg, J.]

Nightingale, P.
[see: Gent, I. P.]

Nikiforov, V.
[see: Bollobás, B.]

Nivasch, G.
[see: Bukh, B.]

Noble, S. D.
Evaluating a Weighted Graph Polynomial For Graphs of Bounded Tree-Width.
Electron. J. Comb. **16** (2009) R64.
http://www.combinatorics.org/Volume_16/PDF/v16i1r64.pdf

Noble, S. D.
[see: Chavez-Lomeli, L., Eggemann, N., Merino, C.]

Nordh, G.
[see: Feder, T.]

Norine, S.
[see: Hladký, J.]

Norman, C. W.
On Jordan bases for the tensor product and Kronecker sum and their elementary divisors over fields of prime characteristic, *Linear Multilinear Algebra* **56** (2009) 415-451.

Noy, M.
[see: Bernardi, O.]

O'Carroll, L.
[see: Drakakis, K.]

O'Connell, N.
[see: Barthe, F., Biane, P.]

O'Malley, G.
[see: Abraham, D. J., Irving, R. W.]

Olbrich, L.
[see: Englert, M.]

Oliver, G. P.
[see: Cain, A. J.]

Östergård, P. R. J.

[see: Colbourn, C. J.]

Osthus, D.

[see: Christofides, D., Cooley, O., Fountoulakis, N., Kelly, L., Kühn, D.]

Owczarek, A. L. and Prellberg, T.

Enumeration of area-weighted Dyck paths with restricted height. Preprint.

http://arxiv.org/PS_cache/arxiv/pdf/1004/1004.1699v1.pdf

Owczarek, A. L.

[see: Brak, R.]

Özkahya, L.

[see: Kostochka, A. V.]

Pakongpun, A. and Ward, T.

Functorial orbit counting. *J. Integer Seq.* **12** (2009) Article

09.2.4. www.emis.de/journals/JIS/VOL12/Ward/ward17.ps

Panagiotou, K.

[see: Brightwell, G. R.]

Panoui, A.

[see: Blackburn, S. R.]

Papadaki, K.

[see: Alpern, S.]

Papalamprou, K.

[see: Appa, G.]

Patel, V.

Determining Edge-Expansion and Other Connectivity Measures in Graphs of Bounded Genus. Submitted.

http://uk.arxiv.org/PS_cache/arxiv/pdf/1004/1004.4484v1.pdf

Patel, V.

A Stability Result for 3-Uniform Hypergraphs. Preprint.

Patel, V.

Poset Regularity. Preprint.

Patel, V.

Unions of Perfect Matchings in Cubic Graphs and Implications of the Berge-Fulkerson Conjecture. Preprint.

Patel, V.

[see: Brightwell, G. R., Johnson, M.]

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* **52** (2009) 219-241.

[http://dx.doi.org/10.1007/s10623-009-9278-](http://dx.doi.org/10.1007/s10623-009-9278-y)

[y http://eprint.iacr.org/2007/453.pdf](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.* **3** (2009) 13-

27. <http://dx.doi.org/10.3934/amc.2009.3.13> <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* **2** (2009) 393-403. <http://eprint.iacr.org/2008/326.pdf>

Paterson, M. B. and Stinson, D. R.

Yet another hat game. Preprint.

http://arxiv.org/PS_cache/arxiv/pdf/1001/1001.3850v1.pdf

Paterson, M. B.

[see: Blackburn, S. R., Martin, K. M.]

Paterson, M. S.

[see: Aziz, H.]

Paulusma, D. & van Rooij, J.M.M.

On partitioning a graph into two connected subgraphs. 20th International Symposium on Algorithms and Computation, Honolulu, Hawaii, United States, Springer.

<http://dx.doi.org/10.1007/978-3-642-10631-6>

Paulusma, D.

[see: Biró, P., Broersma, H. J., Fiala, J., Fleischner, H., Golovach, P. A., van 't Hof, P., Ito, T., Johnson, M., Kern, W.]

Pauws, S.

[see: Consoli, S.]

Pemmaraju, S.

[see: Gandhi, R.]

Penman, D. B.

[see: Biggins, J. D.]

Penrose, M. D. and Wade, A. R.

Limit theorems for random spatial drainage networks. *Adv. Appl. Probab.*, to appear.

Penrose, M. D.

[see: Francheschetti, M.]

Penson, K.A.

[see: Blasiak, P.]

Peres, Y.

[see: Levin, D.]

Pérez-Brito, D.

[see: Garcia-González, C.G.]

Perkins, S.

[see: Aboluion, N., Davies, R. P, Higgs, M. B. J., Hunt, F. H., Jones, S. K., Jones, R. A.]

Picouleau, C.

[see: Bentz, C., Costa, M.-C.]

Piguet, D.

[see: Böttcher, J., Cooley, O., Hladký, J.]

Pike, D. A.

[see: Colbourn, C. J.]

Pikhurko, O.

[see: Dudek, A.]

Pinlou, A.

[see: Addario-Berry, L.]

Pitsoulis, L.

[see: Appa, G.]

Poghosyan A. and Zverovich V.

Discrepancy and Signed Domination in Graphs and Hypergraphs. *Discrete Math.*, too appear. http://arxiv.org/PS_cache/arxiv/pdf/0906/0906.3993v1.pdf

Poghosyan, A.

[see: Gagarin, A.]

Pollicott, M.

[see: Jordan, T.,]

Popa, A.

[see: Clifford, R.]

Por, A.

[see: Bárány, I.]

Porat, E.

[see: Clifford, R.]

Post, G.

[see: Briskorn, D.]

Pottonen, O.

[see: Colbourn, C. J.]

Preece, D. A.

Daisy chains with three generators. *Australas. J. Comb.* **45** (2009) 157-174.

Preece, D. A.

[see: Anderson, I.]

Prellberg, T.

[see: Cameron, P. J., Corteel, S., Owczarek, A. L.]

Pretorious, L. M. and Swanepoel, K. J.

The Sylvester-Gallai Theorem, colourings and algebra. *Discrete Math.* **309** (2009)

385—399. <http://dx.doi.org/10.1016/j.disc.2007.12.027>

http://arxiv.org/PS_cache/math/pdf/0606/0606131v1.pdf

Propp, J.

[see: Angel, O.]

Pyatkin, A.

[see: Avgostinovich, S., Halldórsson, M. M., Kitaev, S.]

Quick, M.

[see: Coutts, H. J.]

Quinn, K. A. S.

[see: Grannell, M. J.]

Rackham, L. and Šarka, P.

B_h Sequences in Higher Dimensions. *Electron J. Comb.* **17** (2010) R35.

http://www.combinatorics.org/Volume_17/PDF/v17i1r35.pdf

Rackham, T. J.

A note on $K_{\Delta+1}$ -free precolouring with Δ colours, *Electron. J. Comb.* **16** (2009)

#N28 http://www.combinatorics.org/Volume_16/PDF/v16i1n28.pdf

Rackham, T. J.

The complexity of changing colourings with bounded maximum degree. Submitted.

Räcke, H. and Rosén, A.

Approximation Algorithms for Time-Constrained Scheduling on Line Networks

Proc. of the 21st SPAA, 2009, 337-346. <http://doi.acm.org/10.1145/1583991.1584071>

<http://www.dcs.warwick.ac.uk/~harry/pdf/linenetworks.pdf>

Räcke, H.

[see: Chawla, S., Englert, M., Fanghänel, A.]

Radzik, T.

[see: Bampas, E., Cooper, C.]

Rafiey, A.

[see: Feng, J., Gupta, A., Gutin, G.]

Raman, R.

[see: Chan, H., Elbassioni, K., Gandhi, R.]

Ramírez-Ibañez, M.

[see: Chavez-Lomelí, L.]

Rattan, A.

[see: Irving, J., Kemp, T.]

Ray, S.

[see: Elbassioni, K.]

Razgon, A.

[see: Gutin, G.]

Reddington, J.

[see: Balister, P. N.]

Rees, S. E.

[see: Holt, D. F.]

Remeslennikov, V. N.

[see: Duncan, A. J.]

Ricci-Tersenghi, F.

[see: Achlioptas, D.]

Richard, C., Schwerdtfeger, U. and Thatte, B.

Area limit laws for symmetry classes of staircase polygons. *Comb. Probab. Comput.*

19 (2010) 441-461. <http://dx.doi.org/10.1017/S0963548309990629>

<http://www.stats.ox.ac.uk/~thatte/preprints/rst-polygons-2007.pdf>

Richerby, D.

[see: Bulatov, A., Dyer, M. E.]

Richmond L. B.

[see: Bender, E. A.]

Richter, R. B.

[see: Griggs, T. S.]

Ries, B.

Complexity of two coloring problems in cubic planar bipartite mixed graphs.

Discrete Appl. Math. **158** (2010) 592-

596. <http://dx.doi.org/10.1016/j.dam.2009.10.016>

Ries, B.

[see: Asinowski, A., Bentz, C., Birand, B., Costa, M.-C., Ekim, T., Furmańczyk, H., Meuwly, F.-X.]

Riordan, O. M.

[see: Bollobás, B., Janson, S.]

Rizzi, R.

[see: Biró, P.]

Rizzoli, A. E.

[see: Gambardella, L. M.]

Roach, P.

[see: Davies, R. P., Jones, S. K.]

Rödl, V.

[see: Alon, N.]

Röglin, H.

[see: Englert, M.]

Roney-Dougal, C. M.

[see: Bray, J. N., Carlson, J., Coutts, H. J., Grayland, A., Holt, D. F., Murray, S. H.]

van Rooij, J. M. M.

[see: van 't Hof, P., Paulusma, D.]

Rosamond, F. A.

[see: Fellows, M. R.]

Rosén, A.

[see: Racke, H.]

Rosenberg, G.

[see: Avis, D.]

Rosoman, T.

[see: Francheschetti, M.]

Rothschild, A.

[see: Clifford, R.]

Rotics, U.

[see: Fellows, M. R.]

Rover, C.E.

[see: Holt, D. F.]

Rowley, P.

[see: Bates, C.]

Rowlinson, P.

On multiple eigenvalues of trees. *Linear Algebra Appl.* **432** (2010) 3007-3011.

<http://dx.doi.org/10.1016/j.laa.2009.04.022>

Rowlinson, P. and Tayfeh-Rezaie, B.

Star complements in regular graphs: old and new results. *Linear Algebra Appl.* **432**

(2010) 2230-2242. <http://dx.doi.org/10.1016/j.laa.2009.04.022>

Rowlinson, P.

[see: Cardoso, D. M., Cvetkovic, D.]

Roy, A.

Minimal Euclidean representations of graphs. *Discrete Math.* **310** (2010) 727-733.

<http://dx.doi.org/10.1016/j.disc.2009.09.005> http://arxiv.org/PS_cache/arxiv/pdf/0812/0812.3707v3.pdf

Roy, A.

Bounds for codes and designs in complex subspaces. *J. Algebr. Comb.* **31** (2010)

1-32. [http://dx.doi.org/10.1007/s10801-009-0170-](http://dx.doi.org/10.1007/s10801-009-0170-7)

[7 http://arxiv.org/PS_cache/arxiv/pdf/0806/0806.2317v1.pdf](http://arxiv.org/PS_cache/arxiv/pdf/0806/0806.2317v1.pdf)

Roy, A. and Scott, A.

Unitary designs and codes. *Des. Codes. Cryptography* **53** (2009) 13-31.

<http://dx.doi.org/10.1007/s10623-009-9290-2>

http://arxiv.org/PS_cache/arxiv/pdf/0809/0809.3813v1.pdf

Rubey, M.

[see: Corteel, S.]

Rudnev, M.

[see: Covert, D., Helfgott, H. A.]

Ruskuc, N.

[see: Albert, M. H., Brignall, R. Brunk, F. T., Cain, A. J., Gray, R., Maltcev, V.]

Russell, P. A.

Families Intersecting on an Interval. *Discrete Math.* **309** (2009) 2952-

2956. <http://dx.doi.org/10.1016/j.disc.2008.07.008> <http://www.dpmms.cam.ac.uk/~par31/preprints/intersections.pdf>

Rutkowski, M.

[see: Jurdzinski, M.]

Sach, B.

[see: Arthur, D., Clifford, R.]

Sadakane, K.

[see: Czyzowicz, J.]

Saks, M.

[see: Balogh, J.]

Salas, J. and Sokal, A.D.

Transfer matrices and partition-function zeros for antiferromagnetic Potts models. V. Further results for the square-lattice chromatic polynomial. *Journal of Statistical Physics* **135** (2009) 279-

373. http://arxiv4.library.cornell.edu/PS_cache/arxiv/pdf/0711/0711.1738v2.pdf

Salas, J. and Sokal, A.D.

Transfer matrices and partition-function zeros for antiferromagnetic Potts models. VI. Square lattice with special boundary conditions. Preprint.

http://arxiv.org/PS_cache/arxiv/pdf/1002/1002.3761v1.pdf

Salman, A. N. M.

[see: Broersma, H. J.]

Samer, M. and Szeider, S.

Constraint Satisfaction with Bounded Treewidth Revisited. *J. Computer Syst. Sci.* **76** (2010) 103-

114. <http://dx.doi.org/10.1016/j.jcss.2009.04.003> http://www.dur.ac.uk/stefan.szeider/papers/csp_jcss_final.pdf

Sanders, T. W.

Roth's Theorem in \mathbb{Z}_4^n *Anal. PDE* **2** (2009) 211–

234. http://arxiv.org/PS_cache/arxiv/pdf/0807/0807.5101v1.pdf

Sanders, T. W.

From polynomial growth to metric balls in monomial groups. Submitted.

http://arxiv.org/PS_cache/arxiv/pdf/0912/0912.0305v1.pdf

Sanders, T. W.

On a non-abelian Balog-Szemerédi-type lemma. *J. Aust. Math. Soc.*, to appear.

http://arxiv.org/PS_cache/arxiv/pdf/0912/0912.0306v1.pdf

Sanders, T. W.

Indicator functions in the Fourier-Eymard algebra. Submitted.

http://arxiv.org/PS_cache/arxiv/pdf/0912/0912.0308v1.pdf

Sanders, T. W.

Structure in sets with logarithmic doubling.

Submitted. http://arxiv.org/PS_cache/arxiv/pdf/1002/1002.1552v1.pdf

Sanders, T. W.

Green's sumset problem at density one half. Submitted.

http://arxiv.org/PS_cache/arxiv/pdf/1003/1003.5649v1.pdf

Sanusi, S. O.

[see: Jones, R.A.]

Šarka, P.

[see: Rackham, L.]

Sarkar, A.

[see: Balister, P. N.]

Saurabh, S.

[see: Cohen, N., Fomin, F. V., Golovach, P. A.]

Savani, R.

[see: Avis, D., Aziz, H.]

Sawada, J.

[see: Hoang, C.]

Saxl, J.

[see: Fulman, J.]

Saxton, D.

Strictly monotonic multidimensional sequences and stable sets in pillage games.
Preprint. http://uk.arxiv.org/PS_cache/arxiv/pdf/1004/1004.0433v1.pdf

Schacht, M.

[see: Alon, N., Hladký, J.]

Schauz, U.

[see: Hladký, J.]

Schmeichel, E.

[see: Bauer, D.]

Schramm, O.

[see: Berestycki, N.]

Schwerdtfeger, U.

[see: Richard, C.]

Scott, A.

[see: Roy, A.]

Scott, A. D. and Sokal, A. D.

Some variants of the exponential formula, with application to the multivariate Tutte polynomial (alias Potts model) *Sémin. Lothar. Comb.* **61A** (2009), article B61A, 33 pages. <http://people.maths.ox.ac.uk/~scott/Papers/expid.pdf>

Scott, A. D. and Sorkin, G.

Polynomial Constraint Satisfaction Problems, Graph Bisection, and the Ising Partition Function. *ACM Transactions on Algorithms* **5** (2009)

<http://doi.acm.org/10.1145/1597036.1597049>

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

Scott, A. D. and Sudakov, B.

A new bound for the cops and robbers problem. Preprint.

http://arxiv4.library.cornell.edu/PS_cache/arxiv/pdf/1004/1004.2010v1.pdf

Scott, A. D.

[see: Aldous, D. J., Bollobás, B.]

Scott, E.

[see: Balister, P. N.]

Sereni, J.-S.

[see: Havet, F., Kang, R. J.]

Seymour, P.

[see: Birand, B.]

Shahnaz, A.

[see: Erlebach, T.]

Shalom, M., Wong, P. W. H. and Zaks, S.

On-line Maximum Matching in Complete Multipartite Graphs with Implications to the Minimum ADM Problem on a Star Topology. Proceedings of SIROCCO 2009.

<http://www.csc.liv.ac.uk/~pwong/publications/sirocco09.pdf>

Shalom, M., Wong, P. W. H. and Zaks, S.

Optimal On-line Colorings for Minimizing the Number of ADMs in Optical Networks.

<http://www.csc.liv.ac.uk/~pwong/publications/jda2009.pdf>

Shank, R. J.

[see: Campbell, H. E. A.]

Shaw, R.

Trivectors yielding spreads in $PG(5,2)$. *J. Geom.*, to appear.

Shaw, R.

[see: Draisma, J.]

Sheehan, J.

[see: Abreu, M.]

Shu, X.

[see: Hoang, C.]

Siemons, I. J.

[see: Della Volta, F.]

Šimić, S. K.

[see: Cvetković, D.]

Simonovits, M.

[see: Balogh, J., Kohayakawa, Y.]

Simonyi, G.

[see; Brightwell, G. R.]

Širáň, J. and Tucker, T. W.

Symmetric maps. In: *Topics in Topological Graph Theory*, edited by R. J. Wilson and L. W. Beineke. CUP (ISBN-13: 9780521802307), 2009.

Širáň, J.

[see: Griggs, T. S., Mačaj, M.]

Sisask, O.

Freiman isomorphism between characters and linear limits of groups. Submitted.

Sisask, O.

[see: Croote, E.]

Sitters, R.

[see: Elbassioni, K.]

Skokan, J.

[see: Benevides, F., Kohayakawa, Y., Marciniszyn, M.]

Škoviera, M.

[see: Grannell, M. J.]

Smith, D. H.

[see: Aboluion, N., Gambardella, L. M., Higgs, M. B. J., Hunt, F. H., Jones, R. A., Montemanni, R.]

Smith, R.

[see: Brignall, R.]

Smyth, C.

[see: Kemp, T.]

Sng, C.

[see: Manlove, D. F.]

Sohler, C.

[see: Batu, T., Czumaj, A.]

Soicher, L. H.

More on block intersection polynomials and new applications to graphs and block designs. *J. Comb. Theory Ser. A.*, to

appear. <http://dx.doi.org/10.1016/j.jcta.2010.03.005>

http://www.maths.qmul.ac.uk/~leonard/nbip2_v2.pdf

Soicher, L. H.

On generalised t -designs and their parameters,

submitted. <http://www.maths.qmul.ac.uk/~leonard/gendesparams.pdf>

Sokal, A. D.

[see: Caracciolo, S., Jackson, B., Scott, A. D.]

Soleimanfallah, A.

[see: Balister, P. N.]

Solomon, A.I.

[see: Blasiak, P.]

Sorkin, G.

[see: Scott, A. D.]

Sós, V. T.

[see: Balogh, J.]

Spence, E.

[see: Brouwer, A. E.]

Spencer, C.

[see: Hilton, A. J. W.]

Spieksma, F.

[see: Erlebach, T.]

Spöhel R.

[see: Marciniszyn, M.]

Spönemann, J.

[see: Englert, M.]

Sportiello, A.

[see: Caracciolo, S]

Srinivasan, S.

[see: Paterson, K. G.]

Stark, D.

The edge correlation of random forests. *Ann. Comb.*, to appear.

Stark, D.

[see: Cameron, P. J.]

Steger, A.

[see: Brightwell, G. R., Marciniszyn, M.]

Stehlik, M.

[see: Kang, R. J.]

von Stengel, B.

[see: Avis, D.]

Stewart, I. A.

A general algorithm for detecting faults under the comparison diagnosis model, Proceedings of 24th IEEE International Parallel and Distributed Processing Symposium, IPDPS'10, Atlanta, Georgia, USA, April 19-23, 2010, IEEE Computer Society Press, to

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

Stewart, I. A. and Xiang, Y.

Augmented k -ary n -cubes. *Inf. Sci.*, to

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

Stewart, I. A. and Xiang, Y.

Pancyclicity in faulty k -ary 2-cubes, Proceedings of 21st IASTED International Conference on Parallel and Distributed Computing and Systems, PDCS'09, Cambridge, Massachusetts, USA, November 2-4, 2009, Acta Press (2009) 77-84.

<http://www.dur.ac.uk/i.a.stewart/Abstracts/PanInFaulty2cubes.htm>

Stewart, I. A. and Xiang, Y.

Pancyclicity and panconnectivity in augmented k -ary n -cubes, Proceedings of 15th International Conference on Parallel and Distributed Systems, ICPADS'09, Shenzhen, China, December 8-11, 2009, IEEE Computer Society Press (2009) 308-315.

<http://dx.doi.org/10.1109/ICPADS.2009.45>

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

Stewart, I. A. and Xiang, Y.

One-to-many node-disjoint paths in (n, k) –star graphs, *Discrete Appl. Math.* **158** (2010) 62-70. <http://dx.doi.org/10.1016/j.dam.2009.08.013>
<http://www.dur.ac.uk/i.a.stewart/Abstracts/Onetomany.htm>

Stewart, I. A.

[see: Arratia-Quesada, A., Gate, J.]

Stinson, D. R.

[see: Blackburn, S. R., Martin, K. M., Paterson, M. B.]

Stratmann, B. O.

[see: Jordan, T., Kesseböhmer, M.]

Suchy, O.

[see: Golovach, P. A.]

Sudakov, B.

[see: Alon, N., Conlon, D., Fox, J., Keevash, P., Scott, A. D.]

Sung, W.-K.

[see: Czyzowicz, J.]

Swanepoel, K. J.

Triangle-free minimum distance graphs in the plane. *Geombinatorics* **19** (2009) 28-30.

Swanepoel, K. J.

Unit distances and diameters in Euclidean spaces. *Discrete Comput. Geom.* **49** (2009) 1--27. http://arxiv.org/PS_cache/arxiv/pdf/0707/0707.0213v1.pdf

Swanepoel, K. J.

[see: Csikós, B., Pretorius, L. M.]

Szeider, S.

[see: Alon, N., Fellows, M. R., Fleischner, H., Gutin, G., van 't Hof, P., Samer, M.]

Talbot, J. M.

[see: Baber, R., Johnson, J. R., Markström, K.]

Tan, T. S.

Traces without maximal chains. *Electron. J. Comb.* **17** (2010) N16.

http://www.combinatorics.org/Volume_17/PDF/v17i1n16.pdf

Tan, T. S.

[see: Leader, I. B.]

Tao, T. C.

[see: Breuillard, E., Green, B. J.]

Tayfeh-Rezaie, B.

[see: Rowlinson, P.]

Tazari, S.

[see: Kreuzer, S.]

Tent, K.

[see: Liebeck, M. W.]

Tesson, P.

[see: Egri, L.]

Thatte, B.

[see: Richard, C.]

Thilikos, D. M.

[see: Fomin, F. V., Golovach, P. A., van 't Hof, P., Ito, T.]

Thomas, R. M.

[see: Cain, A. J., Hoffmann, M.]

Thomason, A. G. and Wagner, P.

Bounding the size of square-free subgraphs of the hypercube. *Discrete Math.* **309** (2009) 1730-1735 <http://dx.doi.org/10.1016/j.disc.2008.02.015>

Thomason, A. G.

[see: Dudek, A.]

Thomassé, S.

[see: van den Heuvel, J.]

Tiep, P. H.

[see: Fulman, J.]

Tiskin, A.

Faster subsequence recognition in compressed strings. *Journal of Mathematical Sciences* **158** (2009) 759-769. <http://dx.doi.org/10.1007/s10958-009-9396-0>
<http://www.dcs.warwick.ac.uk/~tiskin/pub/2007/llcs.pdf>

Tiskin, A.

Periodic String Comparison. *Lect. Notes Comput. Sci.* **5577** (2009) 193–206. http://dx.doi.org/10.1007/978-3-642-02441-2_18

Tiskin, A.

[see: Deineko, V., Korpelainen, N., Krusche, P.]

Tollu, C.

[see: King, R. C.]

Tóth, A.

[see: Brightwell, G. R.]

Toumazet, F.

[see: King, R. C.]

Treglown, A.

A note on some embedding problems for oriented graphs. Submitted.

<http://web.mat.bham.ac.uk/~treglowa/orientednote.ps>

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* **63** (2010) 31-

67. <http://dx.doi.org/10.1002/jgt.v63:1> <http://www.comp.leeds.ac.uk/vuskovi/chord.ps>

Trotignon, N. and Vušković, K.

On Roussel and Rubio type lemmas and their consequences. Submitted to *Discrete Math.* <http://www.comp.leeds.ac.uk/vuskovi/weaklyChordal-submitted.ps>

Trotignon, N. and Vušković, K.

Combinatorial optimization with 2-joins. Submitted to *J. Comb. Theory Ser. A.* <http://www.comp.leeds.ac.uk/vuskovi/2-join-submitted.pdf>

Trunck, T.

[see: Johnson, M.]

Truss, J. K.

[see: Amato, D., Campero-Arena, G., Droste, M., Gray, R., Lovell, S.]

Tsimmerman, J.

[see: Bukh, B.]

Tucker, T. W.

[see: Širáň, J.]

Twig, A.

[see: Courcelle, B.]

Tyomkyn, M.

A proof of the rooted tree alternative conjecture. *Discrete Math.* **309** (2009) 5963-5967. <http://dx.doi.org/10.1016/j.disc.2009.04.025>

http://arxiv.org/PS_cache/arxiv/pdf/0812/0812.1121v1.pdf

Tyomkyn, M.

[see: Bollobás, B.]

Urošević, D.

[see: Brimberg, J., Garcia-González, C.G., Hanafi, S.]

Valtr, P.

[see: Bárány, I.]

Vatter, V.

[see: Albert, M. H., Brignall, R.]

Vdovina, A.

[see: Duncan, A. J.]

Vernitski, A.

One-sided Nielsen transformations in free groups. *Int. J. Algebra Comput* **19** (2009) 855-871. <http://dx.doi.org/10.1142/S0218196709005329>

<http://www.worldscinet.com/ijac/19/preserved-docs/1907/S0218196709005329.pdf>

Vilenchik, D.

[see: Coja-Oghlan, A.]

Vöcking, B.

[see: Englert, M., Fanghänel, A.]

Volkov, S.

[see: Crane, E.]

Vukadinovic, D.

[see: Erlebach, T.]

Vumar, E.

[see: Broersma, H. J.]

Vušković, K.

[see: Figueiredo, C. M. H, Kloks, T., Trotignon, N.]

Wade, A. R.

Asymptotic theory for the multidimensional random on-line nearest-neighbour graph. *Stochastic Processes Appl.* **119** (2009) 1889-1911.

<http://dx.doi.org/10.1016/j.spa.2008.09.006>

http://arxiv.org/PS_cache/math/pdf/0702/0702414v2.pdf

Wade, A. R.

[see: Crane, E.]

Wagner, P.

[see; Thomason, A. G.]

Walters, M.

Rectangles as sums of squares. *Discrete Math.* **309** (2009), 2913-2921

<http://dx.doi.org/10.1016/j.disc.2008.07.028> <http://www.maths.qmul.ac.uk/~walters/papers/rectangles-as-sums-of-squares.pdf>

Walters, M.

[see: Balister, P., Balogh, J., Bollobás, B.]

Wanless, I.

[see: Lieby, P.]

Ward, H. N.

[see: Mavron, V. C.]

Ward, T.

[see: Pakapongpun, A.]

Warnke, L.

Dense subgraphs in the H -free process. Preprint.

http://arxiv.org/PS_cache/arxiv/pdf/1003/1003.0220v1.pdf

Waters, R. J.

[see: Crane, E., Müller, T.]

Watson, S.

[see: Albert, M. H.]

Webb, B. S.

[see: Chicot, K. M.]

Wegener, I.

[see: Alon, N.]

Wehlau, D. L.

[see: Bruen, A. A., Campbell, H. E. A.]

Wei, R.

[see: Paterson, M. B.]

Welsh, D. J. A.

[see: Bernardi, O.]

de Werra, D.

[see: Bentz, C., Costa, M.-C., Ekim, T.]

De Wet, P. O.

[see: Csikós, B.]

Widmayer, P.

[see: Bilò, D.]

Wildon, M.

Knights, Spies, Games and Ballot Sequences. *Discrete Math.*, to appear.

http://uk.arxiv.org/PS_cache/arxiv/pdf/0903/0903.2869v1.pdf

Wildon, M.

[see: Britnell, J. R.]

Wilson, R. J.

Introduction to Graph Theory (5th edition). Pearson Education, to appear in July 2010.

ISBN13: 9780273728894

Wilson, R. J.

[see: Beineke, L. W.]

Winkler, P.

[see: Brightwell, G. R.]

Woeginger, G. J.

[see: Broersma, H. J., Deineko, V., van 't Hof, P.]

Wolf, J.

[see: Gowers, W. T., Green, B. J.]

Wolff, A.

[see: Erlebach, T.]

Wong, P. W. H.

[see: Shalom, M.]

Wood, C.

[see: Johnson, M.]

Wood, R. G. and Woodall, D. R.

Defective choosability of graphs without small minors. *Electron. J. Comb.* **16** (2009)

#R92, 13pp. http://www.combinatorics.org/Volume_16/PDF/v16i1r92.pdf

Woodall, D. R.

More elementary lower bounds on the matching number of a bipartite graph. *Bull. Inst. Math. Appl.* **58** (2010) 99-102.

Woodall, D. R.

The average degree of a multigraph critical with respect to edge or total choosability. *Discrete Math.* **310** (2010) 1167-1171. <http://dx.doi.org/10.1016/j.disc.2009.11.011>

Woodall, D. R.

The independence number of an edge-chromatic critical graph. *J. Graph Theory*, to appear.

Woodall, D. R.

Colourfully panconnected subgraphs II, *Ars Comb.*, to appear.

Woodall, D. R.

Defective choosability of graphs in surfaces. Submitted.

Woodall, D. R.

[see: Hetherington, T. J., Kostochka, A. V., Wood, R. G.]

Wooldridge, M.

[see: Elkind, E.]

Wormald, N. C.

[see: Bender, E. A.]

Wu, T.

[see: Cameron, P. J.]

Xiang, Y.

[see: Stewart, I. A.]

Yeo, A.

[see: Alon, N., Balister, P. N., Bang-Jensen, J., Cohen, N., Daligault, J., Gutin, G., Haynes, T. W., Henning, M.]

Yoshimoto, K.

[see: Broersma, H. J., Jackson, B.]

Yucas, J. L.

[see: Huczynska, S.]

Zaks, S.

[see: Shalom, M.]

Zeitouni, O.

[see: Berestycki, N.]

Zenklusen, R.

[see: Bentz, C.]

Ziegler, T.

[see: Green, B. J.]

Zito, M.

[see: Cooper, C., Duckworth, W.]

Zuffrey, N.

[see: Meuwly, F.-X.]

Zussman, G.

[see: Birand, B.]

Zverovich, V.

[see: Gagarin, A., Pogosyan, A.]

van Zwam, S. H. M.

[see; Hall, R.]

Zwols, Y.

[see: Birand, B.]

Żyliński, P.

[see: Czumaj, A., Furmańczyk, H.]

List of journal abbreviations for BCB.

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

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

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

Acta Arith. – Acta Arithmetica

Acta. Inf. – Acta Informatica

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

Adv. Appl. Probab. – Advances in Applied Probability

Adv. Appl. Math. – Advances in Applied Mathematics

Adv. Geom. – Advances in Geometry

Adv. Math. – Advances in Mathematics

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

Algebra Colloq. – Algebra Colloquium

Algebr. Represent. Theory – Algebras and Representation Theory

Algebra. Univers. – Algebra Universalis.

Algorithmica – Algorithmica

Algorithms. Comb. – Algorithms and Combinatorics

Anal. PDE. - Analysis and PDE

Ann. Appl. Probab. – Annals of Applied Probability

Ann. Comb. – Annals of Combinatorics

Ann. Math. – Annals of Mathematics

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

Ann. Probab. – Annals of Probability

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

Appl. Math. Lett. – Applied Mathematics Letters

Arch. Math. Logic – Archive for Mathematical Logic

Arch. Math. – Archiv der Mathematik

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

Ars. Comb. – Ars Combinatorica.

Bernoulli – Bernoulli

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

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

Combinatorica –Combinatorica

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

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

Commun. Algebra – Communications in Algebra

Comput. Complexity – Computational Complexity.

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

Congr. Numerantium - Congressus Numerantium

Contemp. Math. – Contemporary Mathematics

Contrib. Discrete Math. – Contributions to Discrete Mathematics

Des. Codes. Cryptography – Designs, Codes and Cryptography

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

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

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

Stochastic Processes Appl. – Stochastic Processes and their Applications

Theor. Comput. Sci. – Theoretical Computer Science

Theory Comput. Syst. – Theory of Computing Systems

Topolog. Appl. – Topology and its Applications

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

Util. Math. – Utilitas Mathematica