British Combinatorial Bulletin 2021
This is the 2021 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.

If any users require a paper copy of the Bulletin, they should

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.

Recall that the old Bulletin website http://privatewww.essex.ac.uk/~dbpenman/BCB/index.htm was closed down when the University of Essex removed all private websites in Summer 2018. Our new website is https://britishcombinatorial.wordpress.com/british-combinatorial-bulletin/

I apologise for the slightly late going to press this year: this is due to the accounts being received late. The cut-off date for inclusion is still 1st May so comparability with previous and subsequent years should have been maintained.

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.

David Penman
Editor
4 May 2021.

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), Robert Johnson (Secretary), Simon Blackburn (Treasurer), Julia Böttcher, Ben Bumpus (PCC Organiser), Max Gadouleau (BCC2021 organiser), James Hirschfeld, Kitty Meeks, Tony Nixon (BCC2022 organiser), David Penman (Bulletin Editor), Katherine Staden and Andrew Treglown.

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, Robert Johnson (r.johnson@qmul.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 https://britishcombinatorial.wordpress.com/british-combinatorial-bulletin/newsletter/ and the most recent one, produced at (essentially) the same time as this Bulletin, is number 29. The Newsletter also includes details of e.g. visitors, recent Ph.D theses and some other items, e.g. an update on the situation at Leicester.

Accounts

Please note that the statement about accounts on the next page has still to be approved by the Committee at its meeting in mid-May 2021. We would like to thank Dr. G E. Thomas (University of Dundee, retired) for fulfilling the (unpaid) role of Independent Reviewer of the BCC accounts for many years. Dr. Thomas has now been replaced by Prof. Brita Nucinkis (Royal Holloway, University of London) for whose contribution we are also grateful.
BRITISH COMBINATORIAL COMMITTEE

Receipts and Payments Account for the period
1 October 2019 to 30 September 2020M

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<tr>
<th></th>
<th>Year to 30/9/2020</th>
<th>Year to 30/9/2019</th>
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<tr>
<td><strong>Receipts</strong></td>
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<td>Interest</td>
<td>16.60</td>
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<td>Royalties from Cambridge University Press</td>
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<td>Surplus from 27th BCC, University of Birmingham, 2019</td>
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<td>Surplus from PCC, University of Oxford, 2019</td>
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<tr>
<td>(Surplus from 26th BCC, University of Strathclyde, 2017)</td>
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<td>470.00</td>
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<tr>
<td>(Book sale at BCC, University of Birmingham, July 2019)</td>
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<td>770.00</td>
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<tr>
<td><strong>Total receipts</strong></td>
<td>6899.64</td>
<td>1756.19</td>
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|                          |                   |                   |
| **Payments**             |                   |                   |
| Grant for London 2-day conference | 1222.91 | |
| Grants for 1-day conferences (1 event) | 586.78 | 100288 |
| Scottish Combinatorics Meeting | | 480.00 |
| Postgraduate Combinatorics Conference 2019 | | 500.00 |
| **Total payments**       | 1809.69           | 1982.88           |

Surplus / (deficit) for year

All funds are unrestricted

**Statement of Balances as at 30 September**

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<tr>
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<td>Bank accounts:</td>
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<td>Opening balances</td>
<td>24942.53</td>
<td>25169.22</td>
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<tr>
<td>Surplus (deficit) for year</td>
<td>5089.95</td>
<td>(226.69)</td>
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<td><strong>Closing balances</strong></td>
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<td>24942.53</td>
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<td>Made up of:</td>
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<td>Bank of Scotland Treasurer’s Account</td>
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<td>Scottish Widows Bank Charity Deposit Account</td>
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<td><strong>Total</strong></td>
<td>30032.48</td>
<td>24042.53</td>
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The British Combinatorial Committee is a charity registered in Scotland,
No: SCO19723
The financial statement for the period 1 October 2018 to 30 September 2019 was approved by the Trustees on

(date):

and is signed on their behalf by:

Prof. S R Blackburn (Treasurer)
LIST A.

Combinatorial Mathematicians based in the UK.

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List B.

Combinatorial staff, research students, lecture courses and seminars at departments in the UK
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 Combinatoria | 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 its Applications | T | IEEE Transactions on Information Theory |
| H | Combinatorica | U | Journal of Algebraic Combinatorics |
| I | Combinatorics, Probability and Computing | V | Journal of Combinatorial Designs |
| 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.


ABERYSTWYTH UNIVERSITY

Institute of Mathematics, Physics & Computer Science, Aberystwyth University, Aberystwyth, SY23 3BZ. Tel: 01970 622802 Fax: 01970 622826 email: maths@aber.ac.uk
http://www.aber.ac.uk/maps/en/
Dr. Jacqueline Daykin (combinatorics on words)
Prof J. D. Key (Honorary Professor: combinatorics, codes)
Prof V.C. Mavron* (Emeritus: designs, codes)
Dr T. P. McDonough (retired, Honorary Lecturer: designs, permutation groups, codes)
Prof A.O. Morris (Emeritus: representation theory and algebraic combinatorics)

Lecture courses None currently.

Current periodicals: P, U, h

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
Dr Antal Jarai (probability including spanning forests/trees and sandpiles)
Dr. Ceclie Mailler (probability enumerative combinatorics))
Dr. Marcel Ortgiese (probability, including random graphs)
Prof Mathew Penrose (probability theory, geometric random graphs)
Dr. Matt Roberts (probability, including probabilistic)

Forthcoming visitors to Bath in probability (often interacting with combinatorics) are listed at http://www.bath.ac.uk/research/centres/probability-laboratory/seminars/ (scroll down the page).

Seminar Probability Seminar (Monday, 12.15): http://www.bath.ac.uk/research/centres/probability-laboratory/seminars/
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.

QUEEN’S UNIVERSITY BELFAST
School of Mathematics and Physics. University Road. Belfast, BT7 1NN, United Kingdom. Tel. +44 (0)28 9097 6005
http://www.qub.ac.uk/schools/SchoolofMathematicsandPhysics/

Dr. Andrea Munaro (graphs, combinatorics)

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 Andrew Bowler* (symmetric designs, combinatorial matrices, permutation groups)
Dr Ben Fairbairn (combinatorial algebra).
Prof. Sarah Hart (permutation groups, sum-free sets)
Dr. Steven Noble (graph polynomials and matroids)
Dr Maura 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 Trevor I. Fenner (combinatorial algorithms, probabilistic algorithms, random graphs)
Prof George Loizou (combinatorial algorithms)
Dr Oded Lachish (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/combinatorics/main.html (for combinatorics group).

Dr. Johannes Carmesin (structural graph theory, matroid theory)
Dr Nikolaos Fountoulakis (Random Graphs, percolation, Randomized Algorithms)
Dr. Matthew Jenssen (extremal and probabilistic combinatorics)
Prof Daniela Kühn (Extremal and Probabilistic Combinatorics)
Dr. Allan Lo (Extremal Combinatorics)
Dr. Eoin Long (Extremal Combinatorics)
Dr. Richard Montgomery (Extremal and Probabilistic Combinatorics).
Dr Richard Mycroft (Extremal Combinatorics)
Prof Deryk Osthus* (Extremal and Probabilistic Combinatorics)
Dr Andrew Treglown (Extremal Combinatorics)
Research Fellows

Dr. Dong-Yeap Kang (Combinatorics)
Dr. Tom Kelly (Combinatorics)
Dr. Abhishek Methuku (combinatorics)

Research Students
Alistair Benford (Dr. Montgomery)
Jordan Chellig (Dr. Fountoulakis)
Andrea Freschi (Dr. Treglown)
Stephen Gould (Prof. Osthus)
Bertille Granet (Prof. Kühn)
Joseph Hyde (Dr. Treglown)
Tejas Iyer (Dr. Fountoulakis)
Amartha Kathapurkar (Dr. Mycroft)
Tsvetomir Mihaylov (Dr. Carmesin)
Emily Nevinson (Dr. Carmesin)
Pablo Oviedo (Prof. Kühn)
Vincent Pfenninger (Dr. Lo)
Laurentia Ioan Ploscaru (Dr. Long)

Lecture courses
Combinatorial Optimisation (22 lectures, 3rd year)
Discrete Mathematics (22 lectures, 1st year)
Combinatorics (22 lectures, 3rd and 4th year)
Communication Theory (22 lectures, 3rd and 4th year)
Advanced Topics in Combinatorics (22, 4th year)
Graph Theory (44, 3rd and 4th year)

Seminar Combinatorics Research Seminar (usually Thursdays 2 p.m)
http://web.mat.bham.ac.uk/combinatorics/seminar/index.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
Prof Carl Dettmann (random geometric graphs, wireless networks, dynamical systems, statistical physics)
Dr David Ellis (combinatorics, and its interaction with other areas of mathematics - especially group theory, analysis, geometry and probability theory)
Prof. Alexander Holroyd (probability)
Dr Oliver Johnson (group testing, entropy, log-concavity)
Dr Ashley Montanaro (quantum computation, including combinatorial aspects)
Dr Misha Rudnev (harmonic analysis, geometric combinatorics, hard Erdős problems)
Dr. Matthew Tointon (additive combinatorics)
Research Fellows
Dr Edward Crane (Geometric function theory, circle packings, holomorphic dynamics, discrete probability, two-dimensional statistical mechanics)
Dr Neil Gillespie (error-correcting codes, permutation groups, codes in graphs)
Dr Justin McInroy (groups, algebras, finite geometry, codes)

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 Raphael Clifford (algorithms)
Dr. Christian Konrad (algorithms, combinatorics)
Dr. John Lapinskas (combinatorics, complexity).

Research Students
Javier Pliego Garcia (Dr. Rudnev and Dr. Nina Snaith)
Peter Bradshaw (Dr. Rudnev and Dr. Farhad Babaei)
James Wheeler (Dr. Rudnev and Prof. Francesco Mezzadri)

Lecture Courses
Combinatorics (36 lectures, 2nd year)
Optimisation 2 (36 lectures, 2nd year)
Information Theory (18 lectures, 3rd year)
Experimental Design (18 lectures, 3rd year)
Quantum Information Theory (16 lectures, 4th year)
Complex Networks (36 lectures, 3rd and 4th year)
Topics in Discrete Mathematics (15 lectures, 3rd and 4th year)

Seminar Combinatorics Seminar on Thursdays at 4.15 p.m: see
http://www.bristol.ac.uk/maths/events/combinatorics/

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 (online). 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/maths
Dr Rhiannon Hall* (matroid theory, graph theory)
Dr Ilia Krasikov (graph theory, combinatorics, coding theory, number theory, orthogonal polynomials)

Lecture courses
Encryption and Data Compression (48 lectures, 3rd year, Dr Krasikov)
Elements of Combinatorics (24 lectures, 2nd year, Dr Krasikov)
Fundamentals (36 lectures, 1st year, Dr Further)
Probability (36 lectures, 1st year, Dr Kaloghiros)

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

Current Periodicals: A, B, E, F, H, I, J, L, M, N, O, P, Q, R, S, T, U, V, X, Y, a, b, c, d, e, f, g

UNIVERSITY OF CAMBRIDGE
Centre for Mathematical Sciences Wilberforce Rd, Cambridge CB3 0WB. Tel: 01223 337999 Fax: 01223 337920
http://www.dpmms.cam.ac.uk/

Prof. Emmanuel Breuillard (additive combinatorics)
Prof W. Tim Gowers (analysis, combinatorics)
Prof Geoffrey R. Grimmett (probability theory, combinatorial theory)
Prof Frank Kelly (random processes, networks, optimization)
Prof Imre Leader* (extremal combinatorics, Ramsey theory)
Dr. Perla Sousi (probability, including combinatorial aspects)
Prof. Simon Tavare (probability, combinatorics, biological applications)
Prof Andrew Thomason (combinatorics, graph theory, algorithms)
Prof. Peter Varjú (dynamical systems, probability, combinatorics)
Prof Richard Weber (mathematical operational research, stochastic networks)
Dr. Julia Wolf (additive combinatorics)

Fellows and Research Fellows
Dr. Thomas Bloom (additive combinatorics)
Prof Béla Bollobás (combinatorics, graph theory)
Dr. Gabriel Conant (model theory, combinatorics)
Dr Thomas Forster (logic, set theory, combinatorics)
Dr. Vytautas Gruslys (combinatorics)
Dr. Tom Hutchcroft (probability, including combinatorial aspects)
Dr Paul Russell (Ramsey theory)
Dt. Julian Sahasrabudhe (combinatorics)
Dr. Aled Walker (combinatorics, analytic number theory)

Research students
Andrew Carlotti (Prof. Bollobás)
Stefan David (Prof. Bollobás)
Vojtech Dvořák
Peter van Hintum (Prof. Bollobás)
Freddie Illingworth (Prof. Thomason)
Liam Joliffe
Piet Lammers (Prof. Bollobás)
Ares Meroueh (Prof Thomason)
Zarko Randelovic (Prof. Leader)
Eero Raty (Prof. Leader)
Michael Savery
Marius Tiba (Prof. Bollobás)
Matthew Wales (Prof Thomason)

Lecture courses
Numbers and Sets (24 lectures, 1st year, Prof Thomason)
Graph Theory (24 lectures, 3rd year, Dr. Russell)
Coding and Cryptography (24 lectures, 3rd year, Dr Rachel Camina)
Combinatorics (16 lectures, Part III, Prof. Leader)
Introduction to Approximate Groups (Dr. Tointon)
Introduction to Discrete Analysis (Prof. Gowers)
Percolation and Random Walks on Graphs (16 lectures, Part III, Dr. Sousi)
Topics in Ergodic Theory (Prof. Varju).

Seminars
Combinatorics (Thursdays at 2.30 p.m.)

UNIVERSITY OF CARDIFF
School of Computer Science and Informatics
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/
Prof. Stuart M. Allen (mobile communications, frequency assignment, combinatorial optimisation, latin squares)
Dr. Padraig Corcoran (combinatorics, algorithms)
Prof Stephen Hurley (mobile communications, frequency assignment, combinatorial optimisation)
Prof. Roger M. Whitaker (mobile communications, frequency assignment, combinatorial optimisation, latin squares)

School of Mathematics.
Maths and Education Building , Senghennydd Road, Cardiff, CF24 4AG

Dr. Iskander Aliev (discrete mathematics)
Prof. Roger Behrend (Combinatorics, including alternating sign matrices, graphs, lattice paths, plane partitions, polytopes)
Dr. Andrei Gagarin* (combinatorics, algorithms)
Dr Matthew Lettington (combinatorial number theory)
Dr. Rhyd Lewis (graph colourings, combinatorial optimisation)

Research Associate
Dr. Manjil Saikia (Prof. Behrend: combinatorics including alternating sign matrices, integer sequences)
**Lecture courses**
Introduction to the Theory of Computation (2\textsuperscript{nd} year)
Combinatorics (3\textsuperscript{rd} year, Prof Behrend)
Coding Theory (3\textsuperscript{rd} year, Dr Aliev)
Algorithms and Heuristics (3\textsuperscript{rd} year, Dr Lewis)
Combinatorial Optimisation (3\textsuperscript{rd} year)
Combinatorial and Analytic Number Theory (4\textsuperscript{th} year, Dr Lettington)
Graph Theory and Algorithms (4\textsuperscript{th} year, Dr Gagarin)

**Seminars**
Discrete Mathematics and Data Science
http://www.cardiff.ac.uk/research/explore/research-units/discrete-mathematics-and-data-science-research-team

**UNIVERSITY OF CHESTER**
**Department of Mathematical and Physical Sciences** (Physical contact details in transition at time of Bulletin going to press). https://www1.chester.ac.uk/mathematics

Dr. Joe Gildea (coding theory, algebra)
Adrian Korban (coding theory, algebra)
Adam Roberts (coding theory, algebra)
Dr. Rhian Taylor (coding theory, algebra)

**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, combinatorial optimisation; computational complexity; graph theory)

**Department of Mathematics** Tait Building, Northampton Square, London EC1V 0HB.
Tel 020 7040 6051. Fax 020 7040 8566
http://www.city.ac.uk/department-mathematics
Prof. M. Broom (mathematical biology, links with graph theory)
Dr A. Cox (representation theory)
Prof J. Chuang (representation theory of finite groups)
Dr M. De Visscher (representation theory)
Prof R. Kessar (representation theory of finite groups)
Prof M. Linckelmann (representation theory of finite groups)

**UNIVERSITY OF DERBY**
**Dept. Electronics, Computing and Mathematics** College of Engineering and Technology, University of Derby, Markeaton Street Campus, Markeaton Street, Derby DE22 3AW. Tel: 01332 593216.
https://www.derby.ac.uk/colleges/engineering-technology/
Dr Ovidiu D. Bagdasar (Discrete Mathematics, Optimization, Mathematical Modelling, Geometry, Complex Analysis)
Prof Peter J. Larcombe* (Hypergeometric Function Theory, Generating Functions, Binomial Coefficient Sums, Linear Recurrence Sequences)
Dr Nicholas Korpelainen (Structural and Algorithmic Graph Theory, Permutation Patterns)

Research students: None

Lecture courses: Graph Theory and its Applications (3rd year)

Current periodicals: None

UNIVERSITY OF DUNDEE
Computing Computing, University of Dundee, Dundee DD1 4HN. Tel: 01382 388035
http://www.computing.dundee.ac.uk
Dr K. J. Edwards* (Graph colourings, graph decompositions, complexity)

Lecture Courses:
Graph Theory (level 3)
Theory of Computation (level 3)

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://community.dur.ac.uk/algorithms.complexity/
Dr. Eleni Akrida (algorithms and complexity)
Prof Magnus Bordewich (computational complexity; randomised algorithms; phylogenetics)
Dr Stefan Dantchev (proof complexity)
Dr Tom Friedetzky (randomised algorithms; probabilistic analysis; sub-linear time algorithms; communication networks)
Dr Max Gadouleau (coding, network coding, information theory and their links to combinatorics and matroid theory)
Dr Ioannis Ivrissimtzis (geometric modelling)
Prof Matthew Johnson* (graph theory, combinatorial optimization, combinatorial designs)
Prof Andrei Krokhin (algebra; logic; discrete mathematics; constraint satisfaction; computational complexity; temporal reasoning)
Dr. Barnaby Martin (computation complexity)
Dr George Mertzios (Algorithms, Complexity, Networks, Combinatorial Optimization, Algorithmic Game Theory)
Prof. Daniel Paulusma (graph theory; algorithms; combinatorial optimization; cooperative game theory)
Prof Iain A. Stewart (computational complexity; finite model theory; descriptive complexity; graph theory; interconnection networks; group theory)
Dr. Amitabh Trehan (algorithms, complexity)

Department of Mathematical Sciences
Department of Mathematical Sciences,
Durham University, Science Laboratories, South Rd, Durham DH1 3LE. Tel: 0191-334-3050 Fax: 0191-334-3051

Dr Nicholas Georgiou (Probabilistic combinatorics and partial orders; modular decomposition and its connection to the Reconstruction Conjecture)
Dr Norbert Peyerimhoff (global analysis, graph theory, Riemannian geometry)

Research Staff (in Computer Science)

Dr. Jakub Opršal (combinatorics)

Research Students

Calina Durbac (Prof. Johnson, Dr Mertzios)
Isobel Friedlander (Dr. Gadouleau)
Abdul Ghani (Dr. Dantchev and Dr. Martin)
Nina Klobas (Dr. Mertzios)
Giacomo Paesani (Prof. Paulusma)
Siani Smith (Dr. Martin and Prof. Paulusma)
Karl Southern (Dr. Gadouleau)

Lecture Courses:
Algorithms and Data Structures (1st year, 40 lectures, Dr Friedetzky and Dr Johnson)
Logic and Discrete Mathematics (1st year, 40 lectures, Prof Krokhin and Dr Paulusma)
Algorithms and Complexity (2nd year, 20 lectures, Dr Gadouleau and Dr Mertzios)
Advanced Algorithms (3rd year, 10 lectures, Dr Johnson)
Advanced Computational Complexity (3rd year, 10 lectures, Prof Krokhin)
Algorithmic Game Theory (3rd year, 10 lectures, Dr Dantchev)
Information Theory (3rd year, 10 lectures, Dr Gadouleau)

Seminars
The Algorithms and Complexity Group have a weekly seminar, current webpage.
http://community.dur.ac.uk/algorithms.complexity/seminars.html

(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)
Prof M. Džamonja (logic, set theory, infinite combinatorics)
Dr Robert D. Gray* (algebra and combinatorics)
Dr S. Lyle (representation theory).
Dr I. J. Siemons (permutation groups, topological and homological methods)
Prof A.E. Zalesskii (group theory, ring theory)

School of Computing Sciences University of East Anglia, Norwich, NR4 7TJ, United Kingdom. Tel. +44 (0) 1603 592607. Fax. +44 (0) 1603 593345
http://www.uea.ac.uk/cmp/
Dr Katharina Huber (finite metric spaces, phylogenetics, discrete algorithms, applications of combinatorial approaches to computational biology)
Prof Vincent Moulton (finite metric spaces, phylogenetics, discrete algorithms, graph theory, applications of combinatorial approaches to computational biology)
Dr. Taoyang Wu (phylogenetic combinatorics)

Research students
Miss S. Bastkowski (phylogenetics, Prof Moulton)
Mr. S. Greatrix (phylogenetics, Prof Moulton)
Mr. R. Suchecki (phylogenetics, Dr Huber)
Miss Ariadne Thompson

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)
Dr. Heng Guo (algorithms and complexity)
Dr He Sun (spectral graph theory, randomised algorithms)

Research students

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

School of Mathematics. James Clerk Maxwell Building, The King's Buildings, Edinburgh EH9 3FD. Telephone: +44 131 650 5060 Prof. Des Higham (numerical analysis, analysis of networks)

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/maths
Dr. Georgios Amanatadis (combinatorics, combinatorial optimisation, applications) Dr David Branson (retired: applied probability, combinatorics of Stirling numbers) Dr. Jessica Claridge (cryptography, coding) Prof Peter.M. Higgins (combinatorics of algebraic semigroup theory, cryptography) Dr David Penman* (random and pseudo-random graphs, aspects of poset theory and additive combinatorics) Prof Chris Saker (combinatorics on words, semigroup theory, cryptography) Dr Abdellah Salhi (combinatorial optimisation) Dr Alexei Vernitski (algebra, combinatorics, computer security) Prof Gerald Williams (computational group theory)

Department of Computer Science and Electronic Engineering Dr. David Richerby (computational complexity and combinatorics).

Research students Baha Tamimi (critical groups of graphs, Dr Penman and Dr Williams, part-time)

Lecture Courses
Graph Theory (3rd year, Dr Penman) (30 lectures) Codes and Cryptography (Dr Williams, 3rd year) (30 lectures) Combinatorial optimisation (Dr Xinan Yang, 3rd year) (30 lectures)

Current periodicals: H, P, h.

(For “Glamorgan”, see now “University of South Wales”).

UNIVERSITY OF GLASGOW
School of Mathematics and Statistics School of Mathematics and Statistics, University of Glasgow, University Place, Glasgow G12 8QQ; Tel: 0141 330 2940. www.gla.ac.uk/schools/mathematicsstatistics
Dr I. Anderson (Honorary research fellow: designs, whist tournaments)

School of Computing Science Sir Alwyn Williams Building, Lilybank Gardens, Glasgow G12 8QQ Tel: 0141 330 4256
Dr. Jessica Enright (graph theory, optimisation, algorithms, network epidemiology)
Dr Rob W. Irving (combinatorial and graph algorithms) (Honorary Research Fellow)
Prof David F. Manlove (combinatorial and graph algorithms)
Dr Kitty Meeks* (graph theory, algorithms, parameterised complexity, networks.
Prof Alice Miller (combinatorial and graph algorithms)
Dr. Sofiat Olaosebikan (graph theory, combinatorial optimization and algorithm engineering)
Dr Patrick. Prosser (Honorary lecturer: combinatorial and graph algorithms)

Research Associates
Dr. Blair Archibald (algorithms)
Dr. Andrew Elliott (network statistics, algorithms)
Dr. Ciaran McCr shelf (combinatorial and graph algorithms)
Dr. William Pettersson (graph theory, algorithms, combinatorial optimisation)
Dr. John Sylvester (discrete probability, graph theory and algorithms)

Research students
Benjamin Bumpus (combinatorial and graph algorithms, parameterised complexity, Dr. Meeks)
Samuel Hand (graph theory, temporal graphs, algorithms, Dr Enright)
Ethan Kelly (games and spreading processes on graphs, combinatorial differential equations, Dr Enright)
Michael McKay (algorithms for coalition formation problems, Prof Manlove)
Craig Reilly (Parallel graph search with isomorphism elimination, Dr Miller)
Jessica Ryan (combinatorial and graph algorithms, graph theory, Dr. Meeks)
Alison Smith (combinatorial and graph algorithms, spatial statistics, Dr Meeks)
James Trimble (combinatorial and graph algorithms, Dr Prosser and Prof. Manlove)

Lecture courses
Algorithmic Foundations 2 (Computing Science, 2nd year, 22 lectures)
Algorithms and Data Structures 2 (Computing Science, 2nd year, 22 lectures)
Algorithmics I (H) (Computing Science, 3rd year, 20 lectures)
Algorithmics II (H) (Computing Science, 4th year, 20 lectures)
Constraint Programming M (Computing Science, 4th year, 20 lectures)

Graphs and Networks (Maths, 22 lectures, 2nd year)
Topics in Discrete Mathematics (Maths, 21 lectures, 2nd year)

Seminars: Formal Analysis, Theory and Algorithms (Tuesday, 1 pm, during semester time). (Dr. Blair Archibald)
https://www.gla.ac.uk/schools/computing/research/researchsections/fata-section/.

Current periodicals: C, O, i (paper only)
M, N, Q, R, V, X, Y, b, c, h (paper and electronic)
A, B, F, H, I, L, P, S, T, U; Z, a, d, e, f, g (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. G. Badkobeh (combinatorics on words).
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*

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 Vitaly 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/maths.html

Dr. Laura Ciobanu (group theory, combinatorics, formal languages)
Dr Mark V. Lawson (semigroup theory, combinatorics on words)

*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)

*Department of Computer Science*
Dr. Saša Radomirović (Combinatorics on words, cryptographic protocols, information security)

**Lecture course** Discrete mathematics (45 lectures, 3rd year honours degree)

*Current periodicals: E, F, I, c, g, h*
UNIVERSITY OF HERTFORDSHIRE
School of Physics, Astronomy and Mathematics. University of Hertfordshire, College Lane, Hatfield, Hertfordshire, AL10 9AB
Tel. +44 (0)1707 284394
http://www.herts.ac.uk/apply/schools-of-study/physics-astronomy-and-mathematics
Dr Catarina Carvalho (algebra, combinatorics, theoretical computer science)
Dr Yann P{é}resse (algebra, combinatorics)

ROYAL GRAMMAR SCHOOL, HIGH WYCOMBE.
Dr Richard I Shreeve (retired) (combinatorics in general, specifically enumeration of 3-topes and $n$-topes).

Lectures: Occasional lectures to Oxbridge applicants.

UNIVERSITY OF HULL

Computer Science School of Engineering and Computer Science, Faculty of Science and Engineering, University of Hull, Cottingham Road, Hull, HU6 7RX
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
Dr John Britnell (group theory, algebraic combinatorics)
Prof D. M. Evans (permutation groups, automorphism groups of infinite structures)
Prof A. A. Ivanov (distance-transitive graphs)
Prof M. W. Liebeck (group theory, algebraic combinatorics)
Dr O. Pretzel (retired: combinatorics)

Department of Electrical Engineering
Dr Moez Draeif (applied probability including random graphs).

KEELE UNIVERSITY

School of Computing and Mathematics Keele University, Keele, Staffordshire ST5 5BG. Tel: 01782 733258 Fax: 01782 734268
http://www.keele.ac.uk/scm/
Dr. D. Bedford* (latin squares; designs)
Dr. J. Preater (applied probability, random graphs)
Dr. P. Truman (Algebraic number theory and combinatorics)

*Lecture courses*
Advanced Combinatorics (40 lectures, 4th year, Dr Bedford)
Codes and Cryptography (30 lectures, 3rd year, Dr Truman)

**UNIVERSITY OF KENT**

*School of Mathematics, Statistics and Actuarial Science* Sibson Building, University of Kent, Canterbury, Kent CT2 7FS. Tel: 01227 827181 Fax: 01227 827932
http://www.kent.ac.uk/smsas/
Dr. C. D. Bowman (combinatorics and representation theories of diagrammatic algebras)
Prof. P. Fleischmann (algebraic combinatorics, root systems, Mobius function)
Prof. S. Launois (q-calculus)
Dr. B. Lemmens (applications of discrete geometry in dynamics and analysis)
Dr. A. F. Loureiro (orthogonal polynomials)
Dr R. E. Paget* (representation theory of symmetric groups and related algebras, plethysm)
Dr R. J. Shank (modular invariant theory)
Dr C. F. Woodcock (orthogonal Latin squares)

*Research students*
Reuben Green (Dr Paget)
Brendan Nolan (Prof Launois)
Alexandra Rogers (Prof Launois)

*Lecture courses*
Discrete mathematics (36 lectures, 3rd year, Dr Woodcock)
Graphs and combinatorics (36 lectures, 3rd year / M.Sc., Dr Lemmens)
Symmetries, Groups and Invariants (3rd year / M.Sc., Prof Fleischmann)
*Current periodicals*: electronic access to A, B, E, F, H, J, L, M, N, O, 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. Lorraine Ayad (combinatorics on words)
Prof. Maxime Crochemore (combinatorics on words)
Prof. Colin Cooper (random graphs, random algorithms)
Prof Tomasz Radzik (algorithms, combinatorial algorithms etc.).

*Research Students*
School of Mathematics
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)

School of Computing and Information Systems
Prof Les Hatton (forensic software engineering).
Dr Luke Hebbes (software, turbocodes)
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
Dr. Natasha Blitvic (algebraic combinatorics, q-series and combinatorics of mathematical physics)
Prof A.G. Chetwynd (combinatorial applications in statistics)
Dr. Jan Grabowski (cluster algebras, quantum spaces and the combinatorics of their torus-invariant prime ideal spectrum)
Dr Lukasz Grabowski (graph limits)
Dr. Derek Kitson (geometric and combinatorial rigidity, operator theory, analysis)
Dr. Nadia Mazza (representation theory)
Dr Tony Nixon* (combinatorial rigidity, discrete geometry, graph theory, matroid theory)
Prof. Stephen Power (combinatorial rigidity, geometric constraint systems, rigidity operators).
Dr. Sean Prendiville (additive combinatorics)
Dr Bernd Schulze (discrete geometry, rigidity and flexibility of geometric constraint systems, graph theory, matroid theory)
Dr Slim Kammoun (random permutations)

Research Students:
Sean Dewar (Dr Kitson)
John Hewetson (Dr Nixon).
Hattie Serocold (Dr Schulze)

*Lecture courses:*
Discrete Mathematics (1st year, 20 lectures, Dr. David Pauksztello)
Combinatorics (3rd year, 20 lectures, Dr. Schulze)
Graph Theory (3rd year, 20 lectures, Dr. Nixon)

*Current periodicals:* E, F, T, U, 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/](http://www.amsta.leeds.ac.uk/)

Prof. K. Baur (cluster combinatorics, representation theory)  
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, logic)  
Prof B. R. Marsh (Cluster algebras and related combinatorics, Coxeter groups, Representation Theory)  
Prof P. P. Martin (Representation theory, connections to Combinatorics)  
Dr A. E. Parker (Representation theory and connections to Combinatorics)  
Prof J. K. Truss (permutation groups, automorphisms of graphs and ordered structures, logic)

*School of Computing* University of Leeds, Leeds LS6 2HN Tel. 0113 343 5430 Fax 0113 343 5468  
[http://www.scs.leeds.ac.uk](http://www.scs.leeds.ac.uk)

Dr. Isolde Adler (graph algorithms, logic in computer science)  
Dr Konrad Dąbrowski (combinatorics, algorithms)  
Prof Martin Dyer (algorithms and complexity)  
Dr. Marc Hellmuth (combinatorics, algorithms)  
Dr Haiko Müller (algorithms, graph theory)  
Dr Natasha Shakhlevich (deterministic scheduling theory, combinatorial optimisation, computational complexity)  
Prof Kristina Vušković (graph theory, algorithms and combinatorial optimisation)

*Research Students*
Jake Horsfield  
Samuel Wilson (Dr Müller)  
Daniel Wood (Prof MacPherson)

*Lecture courses*
Introduction to Discrete Mathematics (22 lectures, 2nd year, Dr Penazzi)  
Graph theory (33 lectures, 3rd year, Prof MacPherson)  
Advanced Graph Theory (44 lectures, 4th year/M.Sc., Prof MacPherson)  
Coding Theory (22 lectures, 3rd year, Prof Read)
Combinatorics (22 lectures, 3rd year, Dr Parker)
Mathematics for Computing (22 lectures, 1st year, Prof Vušković)

Current periodicals: (all online only): E, F, M, N, P, Q, T, V, X, Y, b,c,d,e,g,h.

UNIVERSITY OF LEICESTER
School of Informatics
University of Leicester, University Road, Leicester LE1 7RH.
Tel: 0116 252 3887 Fax: 0116 252 3604
https://le.ac.uk/informatics
Prof Thomas Erlebach* (combinatorial optimization, approximation algorithms, algorithmic graph theory)
Prof Richard M. Thomas (combinatorial group and semigroup theory, automata theory)

Research Students
Anastasia Ioannou (modelling systems via Petri nets, Prof Mousavi and Prof Thomas)
Kleitos Papadopoulos (efficient graph algorithms, Prof Erlebach)
Jakob Spooner (temporal graphs, Prof Erlebach)

Lecture courses
Foundations of Computation (22 lectures, 1st year, Dr Ulidowski and Prof Moussavi)
Analysis and Design of Algorithms (30 lectures, 3rd year, Dr Fung)
Foundations of Cybersecurity (30 lectures, 3rd year, Dr Fung).
Algorithms for Bioinformatics (24 lectures, M.Sc., Prof Erlebach)

Seminars There is a regular seminar program, see
http://www2.le.ac.uk/departments/informatics/news/researchevents

School of Mathematics and Actuarial Sciences
University of Leicester, University Road, Leicester LE1 7RH. Tel: 0116 252 3917 Fax: 0116 252 3915
https://le.ac.uk/mathematics
Prof. Sibylle Schroll (representation theory of algebras, homological algebra, matroids and hypergraphs)
Dr. Jason Semeraro (combinatorics, group theory, representations)

Post-docs
Dr Hipolito Treffinger (representation theory of algebras, (tau)-tilting theory, homological algebra, stability conditions)
Dr Yadira Valdivieso Diaz (mirror symmetry and geometric models in algebra)

Research Students
Aran Tattar (classification of quasi-hereditary structures, Prof Schroll)
Nick Williams (categorification of the combinatorics of Grassmannians, Prof Schroll)

Seminars There is a regular seminar program, see
http://www2.le.ac.uk/departments/mathematics/research/pure/colloquium

Current periodicals: E, F, M, N, T, X, Y, b, d, h (paper)
UNIVERSITY OF LINCOLN
School of Mathematics and Physics. College of Science, University of Lincoln, Brayford Pool Campus, Lincoln LN6 7TS. 
mathsphysics@lincoln.ac.uk
Dr. Simon Smith (infinite permutation groups, combinatorics).

UNIVERSITY OF LIVERPOOL
Department of Computer Science University of Liverpool, Ashton Building, Liverpool L69 3BX, United Kingdom. Tel. 0151 795 4276 Fax: 0151 795 4235. 
http://www.csc.liv.ac.uk/
Prof P. Dunne (Complexity theory and algorithm design)
Prof L. Gasieniec (Distributed and parallel computing; network communication; algorithmic agent design; string matching)
Prof D. Kowalski (Distributed computing; network communication algorithms; fault tolerance; combinatorial and randomized data structures)
Prof P. Krysta (algorithmic game theory, Algorithmic mechanism design, Combinatorial optimisation, Approximation algorithm)
Prof P. Spirakis (Algorithms & Complexity, Probabilistic methods in algorithms, algorithmic game theory)
Dr A. McCabe (auctions and mechanism design).
Dr I. Biktasheva (Computational mathematics; computational biology; autowaves and autowave vortices; computer modeling for cardiology; high performance computing)
Dr G. Christodoulou (Algorithmic game theory, Inefficiency of equilibria, Algorithmic mechanism design)
Dr M. Gairing (Algorithmic Game Theory, Approximation Algorithms)
Dr R. Martin (Distributive computing, randomized algorithm, enumerative combinatorics)
Dr I. Potapov (Design and analysis of algorithms; computational models and automata theory; decidability issues)
Dr R. Savani (Algorithmic Game Theory, Equilibrium Computation, Automated and Algorithmic Trading)
Dr D. Wojtczak (stochastic games, Markov chains, algorithmic game theory, control theory, modelling of biological and queueing systems)
Dr P. Wong (combinatorial algorithms, scheduling, packing, computational biology)
Dr M. Zito* (algorithms and complexity, random structures)

Research Fellows
Dr John Fearnley (Algorithmic Game Theory, Logic and Computation)
David Hamilton (visualisation and animation mechanisms for large networks)
Dr Jinshan Zhang (Algorithmic game theory, Algorithmic mechanism design)

Research Students
Sultan Alshamrani (cloud computing, network patrolling)
Thomas Carroll (String algorithms, Combinatorics, Bioinformatics, GPU Computing)
Jie Min (recognition of structural properties in complex networks)
Alkmini Sgouritsa (Algorithmic Mechanism Design, Algorithmic Game Theory, Algorithms, Complexity)
Tao Shang (migration mechanisms in social networks)
Bo Tang (Algorithmic game theory)

Lecture courses:
Comp108: Algorithmic Foundations (1st year)
Comp109: Foundations of Computer Science (1st year)
Comp202: Complexity of Algorithms (2nd year)
Comp218: Decision, Computation and Language (2nd year)
Comp309: Efficient Sequential Algorithms (3rd year)
Comp323: Introduction to Computational Game Theory (3rd year)
Comp324: Complex Information and Social Networks (3rd year)
Comp523: Advanced Algorithmic Techniques (Master’s)
Comp526: Applied Algorithmics (Master’s)
Comp557: Optimisation (Master’s)
Comp559: Computational Auctions and Mechanism Design (Master’s)

Seminar:
Each research group holds regular seminars.

With strong mathematical interests is also the NeST initiative:
http://www.liv.ac.uk/network-science-technologies
Dr Laszlo Vegh (approximation algorithms, combinatorics)
Dr. Liana Yepremyan (LSE Fellow: combinatorics)
Dr Giacomo Zambelli (combinatorics, combinatorial optimization)

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 (Emeritus: orthogonal latin squares, mixed integer programming, robust regression)
Prof Gregory Sorkin (combinatorial optimisation).
Prof Richard Steinberg (operations management, combinatorial auctions, transportation networks)
Prof Paul Williams (Emeritus: linear and integer programming)

Research students
Attila Dankovics (Dr. Böttcher and Prof. Skokan)
Nóra Frankl (Dr. Skokan and Dr. Swanepoel)
Eng Keat Hng (Dr. Allen and Dr. Böttcher)
Cedric Koh (Dr. Vegh and Dr. Zambelli)
Stanislas Kučera (Prof. van den Heuval and Prof. Sorkin)
Aaron Lin (Dr. Swanepoel and Prof. von Stengel)
Amadeo Squeglia (Dr. Böttcher and Prof. Skokan)
Xinyi Xu (Prof. Brightwell and Prof. van den Heuvel)

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/maths/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 Elroy Benjamin
Dr Carrie Rutherford* (graph and matroid theory)
Lecture courses
Discrete mathematics occurs in the first year of all the computing courses (Dr Benjamin)
Applications of combinatorics appear in the 2nd year module Business Manamagnet with Analytics (Dr Rutherford)

Study group/working paper series:
http://myweb.lsbu.ac.uk/~ruthercg/MathsStudyGroup/

Current periodicals: A B H J L M a c d N O P Q R S T U X Y Z f

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/
Dr. Ben Barber (extremal combinatorics)
Dr Y. Bazlov (representation theory, including interactions with combinatorics)
Prof A.V. Borovik (matroids and generalisations, Coxeter matroids, Coxeter groups)
Prof D. S. Broomhead (applied tropical algebra and geometry, dynamics on graphs)
Prof R. M. Bryant (emeritus: groups, Lie algebras)
Dr M. Johnson* (tropical algebra and geometry, free Lie algebras and Young tableaux)
Prof. M. Kambites (tropical algebra and geometry, 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)
Dr. Ben Smith (combinatorics, tropical geometry)
Prof R. Stöhr (Group theory and Lie algebras, including combinatorial aspects and methods).

Research students
Jonathan Chapman
Borys Kuca

Lecture courses
Discrete Mathematics (24 lectures, 2nd year, Dr Mark Muldoon)
Coding Theory (24 lectures, 3rd year, Dr Bazlov)
Combinatorics and Graph Theory (24 lectures, 3rd year, Dr Gabor Megyesi)
Mathematical Programming (24 lectures, 3rd year, Mr. Mike Tso)
Computation and Complexity (32 lectures, 4th year/MSc, Prof 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

Design Engineering and Mathematics Department School of Science and Technology, Middlesex University The Burroughs, London NW4 4BT
Tel: 020 8411 4129
Dr Murad Banaji (graph theory and applications to chemical reactions).
Dr Thomas D. Bending* (Bent functions; finite geometries; lotteries).
Dr. Jon Elmer (invariant theory, combinatorics)

Lecture Courses
Discrete Mathematics and Geometry (24 lectures, 2nd year, Dr Thomas Bending and Dr Brendan Masterson)
Combinatorics (12 lectures, 3rd year, Dr Thomas Bending and Dr Jon Elmer)


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 Martina Balagovic* (representation theory, in particular of quantum groups, DAHA and their degenerations, and Lie superalgebras; links to combinatorics through type A representation theory, finite characteristic, and diagram algebras)
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)
Dr Stefan Kolb (representation theory of Lie algebras and quantum groups, connections to combinatorics)
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 Vdovina)
Geometries and Designs (24 lectures, 3rd year, Dr Vdovina)
Coding Theory (24 lectures, 3rd year, Prof Rees) .
Current periodicals: A, B, F, H, I, J, L, M, N, P, Q, R, S, T, U, V, X, Y, Z, a, b, c, d, e, f, g. Almost all current issues are 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

Prof. Nadia Chuzhanova (Emeritus: bioinformatics, combinatorics on words)
Dr. Jonathan J. Crofts (computational graph theory, complex networks, combinatorics, data-mining, computational biology)
Dr. Archontis Giannakidis (deep learning on graphs with graph convolutional networks, max flow min-cut optimization for biomedical image analysis, graph cuts for Markov random fields in computer vision)
Dr. Timothy J. Hetherington* (graph theory, particularly graph colourings)
Dr. Jason P. Smith (topological combinatorics, graph theory, permutation patterns, community detection, computational biology)
Dr. Keith M. Smith (network science, brain networks, computational biology)
Dr. Colin M. Wilmott (Algebra, combinatorics, geometry, quantum coding, quantum cryptography and entanglement theory)

Lecture Courses:
Discrete Mathematics & Computational Complexity (48 lectures, 2nd year, Dr. Giannakidis);
Graph Theory and Combinatorics (24 lectures, 3rd year, Dr. Hetherington and Dr. Smith)
Coding Theory and Cryptography (24 lectures, 3rd and 4th year, Dr. Hetherington and Dr. Wilmott);
Optimisation (24 lectures, 3rd year, Dr. Giannakidis).

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 Robert Brignall (permutation classes, relational structures, graph theory, well quasi order)
Dr Katie Chicot (infinite combinatorics)
Prof Mike Grannell (Emeritus: combinatorial design theory, combinatorial computing, Steiner systems, topological design theory)
Prof Terry Griggs (Emeritus: combinatorial design theory, combinatorial computing, Steiner Systems, topological design theory, quasigroups and loops)
Prof Uwe Grimm (enumerative combinatorics, words, tilings, applications to physics)
Dr Fred Holroyd (retired: fractional graph colourings, graceful and related tree
labellings, Erdős-Ko-Rado properties of graphs
Dr Kathleen Quinn (designs and their applications)
Dr. Ian Short (continued fractions, frieze patterns, hyperbolic geometry)
Prof Jozef Širáň (topological graph theory, Cayley graphs)
Dr Bridget Webb* (countable Steiner triple systems, Latin squares, infinite designs)
Prof Robin Wilson (Emeritus: history of graph theory and combinatorics, graph colourings)
Dr. Reem Yassawi (combinatorics on words, automatic sequences, topological dynamics and ergodic theory, aperiodic order)

Visiting research fellows
Dr Grahame Erskine (vertex-transitive and Cayley graphs in the degree-diameter and the degree-girth problem)

Research students
Ibai Aedo (Prof. Grimm)
Kirstie Asciak (Prof Širáň: part-time)
Dan Cocks (graph parameters, Dr. Brignall)
Olivia Jeans (topological graph theory - regular maps, external symmetries and highly symmetric maps, Prof Širáň)
Robert Lewis (analysis and construction of extremal highly symmetric graphs with given metric properties: Prof Širáň and Dr Webb: part-time)
Margaret Stanier (Dr. Short)
James Tuite (vertex-transitive and Cayley graphs and embeddings: Prof Širáň)

Courses
MT365: Graphs, networks and design (3\textsuperscript{rd} year)
M836: Coding Theory (M.Sc.).
M840: Dissertation in mathematics (algebraic graph theory option) (M.Sc.).

Current periodicals: A, B, C, D, E, F, H, I, J, L, M, N, P, Q, R, S, T, U, V, W, X, Y, Z, a, b, c, d, e, f, g, h, i (some electronic access only).

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
Prof Ben Green (additive combinatorics)
Dr Raphael Hauser (continuous optimization, applied probability)
Prof Peter Keevash* (extremal and probabilistic Combinatorics)
Dr Robert Leese (channel assignment problems)
Prof. Oliver Riordan (probabilistic combinatorics)
Dr Tom Sanders (additive combinatorics)
Prof Alex Scott (combinatorics, graph theory)
Prof Dominic J. A. Welsh (retired: combinatorics, applied probability, complexity)
**Research fellows/assistants**

Dr. Christoph Koch (Phase transitions, percolation processes, real-world networks, structural and extremal graph theory)

Dr. Daniel Korándi (extremal and probabilistic combinatorics and discrete geometry)

Dr. Gal Kronernberg (extremal and probabilistic combinatorics)

Dr. Jason Long (combinatorics)

Dr. Alexander Roberts (extremal and probabilistic combinatorics)

Dr. George Shakan (additive combinatorics)

Dr. Katherine Staden (extremal and probabilistic combinatorics)

**Department of Statistics** 1 South Parks Road, Oxford OX1 3TG. Tel: 01865 272860
Fax: 01865 272595

[http://www.stats.ox.ac.uk](http://www.stats.ox.ac.uk)

Prof Christina Goldschmidt (probability theory and combinatorics)

Prof Colin 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).

**Department of Computer Science** Wolfson Building, Parks Road, Oxford OX1 3QD
Tel: 01865 73838 Fax: 01856 73839

[http://www.cs.ox.ac.uk](http://www.cs.ox.ac.uk)

Prof Peter Jeavons (algorithms and complexity, constraint satisfaction)

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

Prof Paul Goldberg (algorithms, game theory)

Prof Georg Gottlob (algorithms and complexity)

Dr. Pavel Semukhrin (reachability problems, automatic structures, computational learning theory, computability theory)

Dr. Marcin Wrochna (combinatorics, constraint satisfaction).

Dr Stanislav Živný (discrete optimisation, constraint satisfaction, generalisations of submodularity)

**Research students**

James Aaronson (Prof. Green)

Daniel Altman (Prof. Green)

Candida Bowtell

Zachary Chase (Prof. Green)

Carla Groenland (Prof. Scott)

Hannah Guggiari (Prof. Scott)

Joanna Lada

Jane Tan (Prof. Scott)

**Lecture courses**

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

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

Graph Theory (8 lectures, 2nd year, Prof McDiarmid)
Graph Theory (16 lectures, 4th year, Prof Riordan)
Probabilistic Combinatorics (16 lectures, 4th year, Prof McDiarmid)

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

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

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/maths
Dr A. Makroglou*
Current periodicals: X, Y, b

QUEEN MARY, UNIVERSITY OF LONDON
School of Mathematical Sciences Queen Mary, University of London, Mile End Road, London E1 4NS. Tel: 0207 975 5440 Fax: 0208 980 9587
https://www.qmul.ac.uk/maths/

Prof David K. Arrowsmith (graph colourings, percolation theory, interaction models and knot invariants)
Prof Rosemary A. Bailey (Emerita Professor: design of experiments, latin squares and their generalisations, designs for complicated block structures, association schemes, partition species)
Dr John N. Bray (group theory)
Prof Peter J. Cameron (Emeritus Professor: groups and their operands, graphs, codes, designs, models, orbits and enumeration)
Dr Matt Fayers (representation theory and combinatorics)
Dr Alex Fink (Combinatorics, tropical geometry and matroid theory)
Dr Felix Fischer (mechanism design, optimization, algorithms)
Prof Anthony Hilton (Emeritus Professor: graph theory, design theory, finite set systems)
Prof Bill Jackson (graph theory, discrete geometry, matroid theory)
Prof Mark Jerrum (computational complexity, probabilistic computation, the complexity of combinatorial enumeration)
Dr J. Robert Johnson* (graph theory and combinatorics)
Prof Thomas Prellberg (lattice statistical mechanics, enumerative and asymptotic combinatorics)
Prof Leonard H. Soicher (Emeritus professor: algebraic and computational combinatorics)
Dr Dudley S. Stark (probability and combinatorics)
Dr Mark Walters (probabilistic combinatorics, percolation, extremal problems)
Dr Justin Ward (optimisation, operational research, algorithms)
Prof Robin Whitty (Honorary Research Associate: combinatorics)
Prof Robert A. Wilson (Emeritus Professor: group theory and representation theory, especially computational aspects)
Researchers

Research students
Konrad Anand (Prof Jerrum)
Asier Calbot Ripotas (Dr. Johnson)
Samuel Gardner (Dr. Fink)
Ron Gray (Dr. Johnson)
David Hannon (Dr. Fischer)
Theophile Thiery (Dr. Ward)
Belinda Wickes (Dr Johnson)

Lecture courses
Linear Programming and Games (36 lectures, 2nd year)
Algorithmic graph theory (36 lectures, 3rd year)
Coding Theory (36 lectures, 3rd year)
Cryptography (36 lectures, 3rd year)
Random Processes (36 lectures, 3rd year)
Advanced combinatorics (24 lectures, M.Sc)
Graphs and Networks (24 lectures, M.Sc)

Seminars
Combinatorics study group (Fridays 4:00pm, Dr. Fischer and Prof. Jerrum)
https://www.qmul.ac.uk/maths/research/seminars/combinatorics-study-group/

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)

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

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

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)
Prof Carlos Cid (cryptography, security, computational algebra)
Prof Jason Crampton (applications of discrete mathematics to access control)
Prof Rainer Dietmann (analytic number theory, diophantine equations, additive combinatorics)
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)
Prof Stefanie Gerke (graph theory, combinatorics, random structures and algorithms)
Prof Keith M. Martin (cryptography and information security)
Prof James McKee (Salem numbers, Pisot numbers, Mahler measure, elliptic curves, computational number theory, algebraic graph theory)
Prof Chris Mitchell (cryptography and information security)
Prof Iain Moffatt (algebraic combinatorics, topological graph theory, knot theory)
Prof Sean P. Murphy (spatial probability, cryptography)
Dr Siaw-Lynn Ng (combinatorics, finite geometry, applications to information security)
Prof. Mark Wildon (representation theory, group theory, combinatorics)

Visiting Professors Prof Steve Babbage, Prof Nelson Stephens

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)
Dr. Argyrios Deligkas (combinatorial optimisation, complexity)
Prof Gregory Gutin (graphs and combinatorics, combinatorial optimisation, access control)
Dr Iddo Tzameret (theory of computation);
Dr Magnus Wahlström (combinatorial algorithms)

Research students
Jiangdong Ai (Prof. Gerke) and Prof Gutin)
Elizabeth Berners-Lee (cryptography, Prof. Cid)
Joshua Coyston (Prof. McKee)
Naomi Farley (access control, Prof Crampton and Prof Gutin)
Liam Medley (Prof. Blackburn and Prof. Cid)
Laurence O’Toole (DES, MARS, feistel networks)
Eamonn Postlethwaite (Prof. Blackburn and Dr. Albrecht)
Liam Medley (Prof. Blackburn and Prof. Cid)
Luke Stewart (Prof. Blackburn)
Maya Thompson (Prof Moffatt)

Lecture courses

Graphs and Optimisation (33 lectures, 2nd year)
Cipher systems (33 lectures, 3rd year)
Error correcting codes (33 lectures, 3rd year)
Theory of error correcting codes (44 lectures, p/g)
Channels (33 lectures, p/g)
Combinatorics (33 lectures, p/g)
Principles of Algorithm Design (33 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 Moffatt, Dr. Martin Widmer) (Tuesdays at 2.00 p.m. in room 219).
Information Security Seminar (Dr Lorenzo Cavallaro) (Thursdays 11.00 in Room C229).


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

Prof R. A. Bailey (design of experiments, latin squares and their generalisations, designs for complicated block structures, association schemes, partition species)
Dr. J. Belk (geometric group theory, automatic structures)
Dr C. Bleak (geometric group theory, automatic structures)
Prof P. J. Cameron (groups and their operands, graphs, codes, designs, models, orbits and enumeration)
Dr C. M. Campbell (combinatorial group theory, combinatorics of semigroup presentations)
Dr. T. Coleman (Ramey theory, logic)
Prof K. J. Falconer (combinatorial geometry)
Dr. J. Fraser (analysis and combinatorics)
Dr S. Huczynska (Applications of finite fields, permutation arrays, combinatorial designs)
Dr. I. Kolossvary (fractals)
Dr. Y. Len (tropical geometry, combinatorial algebraic geometry)
Dr J. H. McCabe (graph theory, number theory)
Prof J. D. Mitchell (combinatorial and topological applications of group and semigroup theory)
Dr J. J. O'Connor (combinatorial group theory)
Prof L. Olsen (analysis and combinatorics)
Dr S Olukoya
Dr M. R. Quick (group theory)
Prof E. F. Robertson (combinatorial group theory, combinatorics of semigroup presentations)
Prof C. M. Roney-Dougal* (finite permutation and matrix groups, computational
group theory, geometric group theory)
Prof N. Ruškuc (combinatorics of words, mappings, permutations: combinatorial
semigroup theory)
Dr. L. Theran (combinatorics, geometry, algorithms)
Dr M. Todd (ergodic theory)

Research Students
Mr. R. Al-Kohli
Mr. M. Alijohani
Mr. S. Burrell
Mr. B. De Witt
Mr. L. Elliott
Mr. F. Flores Brito
Mr. S. Freedman
Mr. S. Jurina
Miss V. Kelsey
Mr. C. Millar
Mr. A. Mordcovich
Mr. G O’Reilly
Mr. C. Russell
Mr. F. Smith
Mr. L. Stott

Lecture courses
Combinatorics and Probability (24 lectures, 2nd year)
Finite mathematics (24 lectures, 3rd/4th year, alternate years)
Graph Theory (24 lectures, 3rd/4th year, alternate years)
Advanced combinatorics (24 lectures, 4th/5th 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
CIRCA Seminar 1pm Thursdays

School of Computer Science North Haugh, St Andrews, Fife KY16 9SX.
Tel: 01334 463253 Fax: 01334 463278
http://www.cs.st-andrews.ac.uk/
Dr. M. S Chang
Dr. Ruth Hoffmann (graph algorithms)
Dr. Chris Jefferson (computation algebra)
Dr Alexander B. Konovalov
Prof Steve A. Linton (computational algebra: systems, algorithms and applications)
Dr. Michael Torpey (computational algebra)

Research students

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
Emeritus Professor: Ray Hill* (coding theory, finite geometry)
Current periodicals: T

UNIVERSITY OF SHEFFIELD
School of Mathematics and Statistics University of Sheffield, Hicks Building, Hounsfield Road, Sheffield S3 7RH. Tel: 0114 222 3752. Fax 0114 222 3809

Dr Paul Johnson (algebraic geometry, combinatorics)
Dr Jonathan Jordan (probability, random graphs)

Research staff
Mark Yarrow (preferential attachment graphs, Dr. Jordan).

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. J. Grbić (combinatorics interacting with topology)
Prof G. A. Jones* (retired: permutation groups, connections between groups and graphs)
Prof R. C. King (retired: 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)
Finite Mathematics (36 lectures, 3rd/4th year, Dr Jim Renshaw)
Graph Theory (36 lectures, 3rd/4th year, Dr Renshaw)


UNIVERSITY OF SOUTH WALES
Division of Mathematics and Statistics  University of South Wales, Pontypridd, Mid Glamorgan CF37 1DL. Tel: 01443 482136 Fax: 01443 482169  
http://www.southwales.ac.uk/maths/research/

Associate Professor Nick Gill* (permutation groups, homogeneous relational structures, finite geometries)  
Dr. Liam Harris (combinatorial problems)  
Dr. Angelica Pachon ((stochastic processes, random graphs, scenery reconstruction)  
Dr Stephanie Perkins (coding theory, synchronization, combinatorial puzzles)  
Emeritus Prof Derek H. Smith (coding theory, permutation codes, DNA codes, frequency assignment)

Research students  
Ms Anna Skelt (magic squares)  
Mr Scott Hudson (permutation groups, homogeneous relational structures)

Lecture courses  
Combinatorics and Networks (2nd year, Dr. Perkins and Dr. Pachon)  
Codes and Information (3rd year, Dr. Perkins, Assoc. Prof. Gill)  
Cryptography (3rd year, Dr. Perkins, Mr. Griffiths)  
Knots (4th year, Assoc. Prof. Gill)

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

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, Institute of Computing Science & Mathematics  
The University of Stirling, Institute of Computing Science and Mathematics, Stirling, Scotland FK9 4LA. Tel: 01786 467460 Fax: 01786 464551  
http://www.cs.stir.ac.uk/maths/  
Dr P. S. Jackson (algebraic graph theory)  
Prof P. Rowlinson* (Emeritus: algebraic graph theory)

Lecture courses (online at least to begin in 2020-21)  
Discrete structures (44 lectures, 1st year)  
Combinatorics (32 lectures, 3rd/4th year, alternate years)  
Algebra and codes (32 lectures, 3rd/4th year, alternate years)

UNIVERSITY OF STRATHCLYDE
Department of Mathematics and Statistics Livingstone Tower, 26 Richmond Street, Glasgow G1 1XH Tel: 0141 548 3804 Fax: 0141 548 3345
https://www.strath.ac.uk/science/mathematicsstatistics/

Dr David Bevan* (enumerative combinatorics, permutation patterns)
Dr Sergey Kitaev (combinatorics, discrete analysis, graph theory, formal languages)
Dr Philip Knight (network theory, algebraic structure of networks)
Prof Einar Steingrímsson (algebraic and enumerative combinatorics)

Research student
Mr Kittitat Iamthong (graph theory, formal languages)
Mr Daniel Threlfall (random permutations, Dr. Bevan)

Lecture Courses
Applying Mathematics 2: Graph Theory (1st year)
Mathematical Introduction to Networks (4th year)
Networks in Finance (MSc)

UNIVERSITY OF SUSSEX
Department of Mathematics University of Sussex, Brighton, East Sussex BN1 9QH.
Tel: 01273 877345
http://www.sussex.ac.uk/maths
Prof J. W. P. Hirschfeld* (finite geometry, algebraic geometry, coding theory)

Research students

Lecture courses
Coding Theory (36 lectures, 3rd/4th year, Prof Hirschfeld)
Cryptography (36 lectures, 3rd/4th year, Dr K. Blyuss)
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 (retired)
Dr A.D. Thomas (retired)

TEESSIDE UNIVERSITY.
School of Science, Engineering & Design Teesside University, Middlesbrough
TS1 3BX, United Kingdom
Dr. Anna Huber (combinatorics)

TURING INSTITUTE
British Library, 96 Euston Road, London NW1 2DB.
https://www.turing.ac.uk/

Dr. Chaim Even-Zohar (graph theory, permutations, words, knots, high-dimensional combinatorics)

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 Imre Bárány (Visiting professor: convex geometry, geometry of numbers, theory of integer programming)
Dr. Tomack Gilmore (combinatorics statistical physics)
Prof. Andrew Granville (number theory, combinatorics)
Dr. John. A. Haight (Combinatorics)
Prof Miklos Laczkovich (real analysis)
Prof David.G. Larman (geometric analysis, combinatorics)
Dr. Joonkyung Lee (combinatorics)
Dr. Shoham Letzter (combinatorics)
Prof Peter McMullen (Emeritus: convexity, regular polytopes)
Dr. Alexey Pokrovskiy (extremal and probabilistic combinatorics)
Prof Alan Sokal (combinatorial aspects of mathematical physics)
Dr John 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)

Department of Computer Science University College London Gower Street 66-72, WC1E 6EA London, UK
http://www.cs.ucl.ac.uk/home/
Prof. S. Severini (physics of information, combinatorial links)

Research students
Bishal Deb (Prof. Sokal).

Lecture courses
Optimisation (2nd year)
Graph Theory and Combinatorics (3rd year)
Geometry of numbers (3rd year, Prof Larman)
Computational Geometry (3rd year, Prof McMullen)

1 A number of other colleagues are also affiliated in some way with the Turing Institute. This list only gives those who do not obviously have another UK affiliation.
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.com
Prof. S. Babbage*
Dr N. Bone

The group is interested in cryptography, randomness, statistics, auctions and game theory.

Current periodicals: 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. Sayan Bhattacharya (Dynamic graph algorithms, data structures, online algorithms, streaming algorithms, and algorithmic game theory)
Prof Graham Cormode (managing and working with large amounts of data, with particular emphasis on privacy and anonymization, and large scale analytics)
Prof Artur Czumaj (algorithms and data structures, graph theory, game theory)
Dr Charilaos Efthymiou (algorithms, discrete mathematics, and statistical physics)
Dr Matthias Englert (analysis and design of algorithms and data structures, approximation algorithms)
Dr. Tom Gur (combinatorics, foundations of computer science)
Dr Marcin Jurdziński (algorithmic game theory, logic in computer science, optimization)
Dr Ranko Lazić (computer science and combinatorics)
Dr. Torsten Mütze: (graph theory, combinatorics, discrete algorithms, and their applications to real-world problems)
Dr. Igor Carboni Oliveira (computational complexity theory and its connections to algorithms, combinatorics, and mathematical logic)
Prof Mike Paterson (computational complexity, analysis and design of algorithms)
Dr. Ramanujan Sridharan (Algorithms and complexity, fixed-parameter and approximation algorithms with a focus on graph and constraint satisfaction problems)

Warwick Business School Tel. 024 7652 8220 Fax: 024 7652 4539
http://www.wbs.ac.uk
Prof Steve Alpern (game theory, search games)
Prof Jurgen Branke (combinatorial optimisation)
Prof Bo Chen (combinatorial optimisation: game theory)
Dr Vladimir Deineko (combinatorial optimisation, polynomially solvable cases of NP-hard problems)
Dr Xuan Vinh Doan (combinatorial optimisation)
Dr Nalan Gulpinar (combinatorial optimisation)
Dr Arne Strauss (combinatorial optimisation)

**Warwick Mathematics Institute** Tel. 024 7652 4661 Fax: 024 7652 4182.
http://www.maths.warwick.ac.uk
Dr. Sam Chow (number theory/combinatorics)
Dr Agelos Georgakopoulos (random walks, electrical networks, infinite graphs)
Dr. Jan Grebik (measurable combinatorics)
Dr. Mathias Hamann (combinatorics, infinite graph theory)
Dr. John Haslegrave (random and extremal graphs)
Prof Roman Kotecký (Probability; statistical physics; theory of phase transitions)
Prof Daniel Král' (extremal and probabilistic combinatorics)
Dr. Hong Liu (extremal combinatorics, Ramsey theory and random graphs)
Prof Vadim Lozin (algorithmic and structural graph theory)
Prof Oleg Pikhurko* (Extremal combinatorics)

**Research Students**
Bogdan Alecu (graph theory, Prof. Lozin)
Bruno Pasqualotto Cavalar (computational complexity and combinatorics, Dr Oliveira)
Sam Coy (distributed and parallel algorithms, Prof Czumaj)
Marcel de Sena Dall’Angol (algorithms and combinatorics, Dr Gur)
Irene Gil Fernandez (extremal and probabilistic combinatorics, (Dr Liu and Prof Pikhurko)
Peter Keys (dynamic algorithms, Dr Bhattacharya)
George Kontogeorgiou (Dr Georgakopoulos, graph theory, especially structural and topological graph theory)
Mahdi Noorizadegan (facility location and vehicle routing, Prof Chen & Dr Gulpinar)

**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)
Combinatorics II (3rd year)
Complexity of Algorithms (3rd year)
Efficient Parallel Algorithms (3rd year)
Advanced Topics in Algorithms (3rd year)
Random Discrete Structures (3rd year)
Graph Theory (4th 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)

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, published, accepted or submitted since the last Bulletin - i.e., during (approximately) the period May 2019-April 2020 - and have come to the attention of the Editor. “UK based” is interpreted liberally for those with more than one base.

The intention is that papers whose status has changed (by being accepted, or appearing in print) will appear again, but not those still under consideration or revision, or still waiting to be published (except possibly occasionally preprints which have undergone very substantial revision). Occasionally recent papers from slightly more than 12 months ago which were accidentally omitted from last year’s Bulletin, or preprints more than a year old which appear to be of combinatorial interest but have not previously been publicised in the Bulletin, are included. Authors are (hopefully!) listed in alphabetical order by surname, even if that is not the order in which they appear on the paper – this is essential 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 are generous about including the papers, and in particular if an author leaves the UK while his/her paper is working through the system, it continues to be listed.

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 not aware of any objection by the author) a link to that page is included. Maintenance of these links will be in the (closed) interval minimal to non-existent: they are used at your own risk. Use of these versions may well 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. Some links may not work unless you, or your institution, has certain access rights. 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.
Aaronson, J. Ellis, D. and Leader, I. B.

Aaronson, J., Groenland, C., Grzesik, A., Johnston, T. and Kielak B.
Exact hyperplane covers for subsets of the hypercube. Preprint.

Abdi, A and Cornejuelos, G.
https://doi.org/10.1016/j.dam.2020.10.003
http://eprints.lse.ac.uk/107083/1/mfmc.pdf

Abdi, A, Cornejuelos, G., Guenin, B. and Tunçel, L.
Clean clutters and dyadic fractional packings. Preprint.

Abdi, A, Cornejuelos, G., Huynh, T. and Lee, D.
https://doi.org/10.1007/s10107-020-01587-x

Abdi, A, Cornejuelos, G. and Lee, D.
https://doi.org/10.1007/s00493-020-4076-2
https://personal.lse.ac.uk/abdia2/papers/int_rest.pdf

Abdi, A, Cornejuelos, G. and Lee, D.
https://doi.org/10.1287/moor.2019.1048

Abdi, A, Cornejuelos, G. and Superdock, M.
https://www.andrew.cmu.edu/user/gc0v/webpub/mnp.pdf

Aboulker, P., Adler, I., Kim,. E. J., Sintiari, N. L. D. and Trotignon, N.
On the tree-width of even-hole-free graphs. Preprint.

Abrishimi, T., Chudnovsky, M. and Vušković, K.
Even-hole-free graphs with bounded degree have bounded treewidth. Preprint.

Abrishimi, T., Chudnovsky, M., Dibek, C. Thomassé, S., Trotignon N and Vušković, K.
Graphs with polynomially many minimal separators. Preprint.

Acan, H., Burnette, C., Eberhard, S., Schmutz, E. and Thomas, J.
https://arxiv.org/pdf/1809.10912

Adamaszek, A., Allen, P., Grosu, C. and Hladký, J.
https://doi.org/10.1002/rsa.20906

https://doi.org/10.1007/978-3-030-45771-6_1
Adamson, D., Deligkas, A., Gusev, V. and Potapov, I.
https://doi.org/10.1007/978-3-030-38919-2_48
Adamson, D., Deligkas, A., Gusev, V. and Potapov, I.
Adamson, D., Deligkas, A., Gusev, V. and Potapov, I.
Adiprasito, K., Bárány, I., Mustafa, N. H. and Terpai, T.
https://doi.org/10.1007/s00454-020-00172-5
https://arxiv.org/pdf/1806.08725
Adler, I., Benediktsson, B. G. and Macpherson, H. D.
Vapnik-Chervonenkis Dimension and Density on Johnson and Hamming Graphs, Preprint.
Adler, I. and Fahey, P.
Faster Property Testers in a Variation of the Bounded Degree Model. FSTTCS 2020 7:1-7:15.
https://doi.org/10.4230/LIPIcs.FSTTCS.2020.7
Adler, I. and Köhler, N.
On graphs of bounded degree that are far from being Hamiltonian. Preprint.
Adler, I., Köhler, N. and Peng, P.
Adler, I. and Müller, H. (editors)
Adler, I.
On long arithmetic progressions in binary Morse-like words. Preprint.
https://arxiv.org/pdf/2101.02056
Agrawal, A., Kanesh, L., Panolan, F.,Ramanujan M. S. and Saurabh, S.
An FPT Algorithm for Elimination Distance to Bounded Degree Graphs. STACS2021, to appear.
Agrawal, A. and Ramanujan, M. S.
On the Parameterized Complexity of Clique Elimination Distance. IPEC2020 1:1-1:13
https://doi.org/10.4230/LIPIcs.IPEC.2020.1
Ahmadian, S., Norouzi-Ford, A., Svensson, O. and Ward, J.
https://doi.org/10.1137/18M1171321
https://arxiv.org/pdf/1612.07925

Ai, J., Gerke, S. and Gutin, G.
Kings in Multipartite Hypertournaments. Preprint.

Ai, J., Gerke, S., Gutin, G. and Mafunda, S.

Ai, J., Gerke, S., Gutin, G., Shi, Y. and Taoqiu, Z.
Proper Orientation Number of Triangle-free Bridgeless Outerplanar Graphs. *J. Graph Theory* 95 (2020) 256-266.
https://doi.org/10.1002/jgt.22565
https://arxiv.org/pdf/1907.06379

Ai, J., Lei, H., Shi, Y., Yan, S. and Zhang, Z.
https://doi.org/10.1016/j.dam.2020.04.028
https://arxiv.org/pdf/1803.09880

Aicholzer, O., Cardinal, J., Huynh, T., Knauer, K., Mütze, T., Steiner, R. and Vogtenhuber, B.
Flip distances between graph orientations. *Algorithmica* 83 (2021) 116–143
https://doi.org/10.1007/s00453-020-00751-1

Aigner-Horev, E., Danon, O., Hefetz, D. and Letzter, S.

On the Cyclic Regularities of Strings. AIAI (Workshops) 2019: 219-224
https://doi.org/10.1007/978-3-030-19909-8_19

2048 without merging. CCCG2020
https://www.dcs.warwick.ac.uk/~msp/papers/2048wom.pdf

Akrida, E. C., Deligkas, A., Mertzios, G. B., Spirakis, P. G. and Zamaraev, V.

Akrida, E. C., Mertzios, G. B., Nikoletseas, S., Raptopoulos, C., Spirakis, P. G. and Zamaraev, V.
https://doi.org/10.1016/j.jcss.2020.05.005
https://arxiv.org/pdf/1903.03636

Alabdullah, S. and Hirschfeld, J. W. P.

Alamro, H. Alzamel, M., Iliopoulos, C. S., Pissis, S. P. and Watts, S.
http://doi.org/10.1142/S0129054120500288

Alecu, B., Atminas, A., Lozin, V. V. and Malyshev, D.
https://arxiv.org/pdf/2104.04471

Alecu, B., Atminas, A., Lozin, V. V. and Zamaaraev, V.
Graph classes with linear Ramsey numbers. *Discrete Math.* **344** (2021) 112307
https://doi.org/10.1016/j.disc.2021.112307

Alecu, B., Lozin, V. V. and Malyshev, D.

Alecu, B., Lozin, V. V. and de Werra, D. ³
https://doi.org/10.1007/978-3-030-48966-3_3

Alecu, B., Lozin, V. V., de Werra, D. and Zamaaraev, V.
https://doi.org/10.1016/j.dam.2020.01.038
https://arxiv.org/pdf/1804.11217

Alecu, B., Lozin, V. V. and Zamaaraev, V.
Graph Functionality, *J. Comb. Theory Ser B* **147** (2021) 139-158.
https://doi.org/10.1016/j.jctb.2020.11.002
https://arxiv.org/pdf/1807.01749

Aliev, I.
https://doi.org/10.1007/s10474-020-01057-y

Aliev, I., Averkov, G., de Loera, J. and Oertel, T.
https://doi.org/10.1007/978-3-030-45771-6_4

Aliev, I., Celaya, M., Henk, M. and Williams, A.

Allen, P., Koch, C., Parczyk, O. and Person. Y.
https://doi.org/10.1017/S0963548320000450

Allen, P., Łuczak, T., Polcyn, J. and Zhang, Y.
The Ramsey number of a long even cycle versus a star. Preprint.

³ This is an extended abstract. A journal version has also been submitted.
[see: Adamaszek, A.]

Almethen, A., Michail, O. and Potapov, I.
On Efficient Connectivity-Preserving Transformations in a Grid.
https://doi.org/10.1007/978-3-030-62401-9_6

Alpern, S., Lidbetter, T. and Papadaki, K.
Continuous Patrolling Games. Preprint.

Alshammary, M.
[see: Ajala, O. I.]

Alshorman, R., Bani-Abdelrahman, R. E., Hussak, W. and Trehan, A.
https://doi.org/10.34028/iajit/17/6/5

Al-Tarimshawy, A. S. A. and Siemons, I. J.
https://doi.org/10.1016/j.disc.2020.112119

Altman, D.
http://dx.doi.org/10.4064/aa190531-25-10

Comparing Degenerate Strings. *Fundam. Informaticae* **175** (2020) 41-58
https://doi.org/10.3233/FI-2020-1947

Alzamel, M., Charalamopoulos, P., Iliopoulos, C. S., Pissis, S. P., Radoszewski, J. and Sung, W.-K.
https://doi.org/10.1016/j.tcs.2019.04.026
https://arxiv.org/pdf/1705.04022

Alzamel, M., Conté, A., Denzumi, S., Grossi, R., Iliopoulos, C. S., Kurita, K. and Wasu, K.
https://doi.org/10.4230/LIPIcs.CPM.2020.2

Alzamel, M., Charalamopoulos P., Iliopoulos C. S., Pissis, S. P., Radoszewski . J. and Sung, W. K.
https://doi.org/10.1016/j.tcs.2019.04.026

Alzamel, M.
[see: Ajala, O. I., Alamro, H.]

Amanatidis, G., Birmas G. and Markakis, E.
https://doi.org/10.1016/j.ipl.2020.106010

Angel, O., Holroyd, A. E., Hutchcroft, T. and Levy, A.
https://doi.org/10.4153/S0008414X20000590
https://arxiv.org/pdf/1802.07142

Anstöter, C. S., Bašić, N., Fowler, P. W. and Pisanski, T.
Catacondensed Chemical Hexagonal Complexes: A Natural Generalisation of Benzenoids. Preprint.
https://arxiv.org/pdf/2104.13290

Araújo, J., Araújo, J., Bentz, W., Cameron, P. J. and Spiga, P.
https://doi.org/10.1016/j.jalgebra.2020.12.024
https://arxiv.org/pdf/1911.02058

Araújo, J., Bentz, W. and Cameron, P. J.
Primitive Permutation Groups and Strongly Factorizable Transformation Semigroups. J. Algebra 565 (2020) 513-530
https://doi.org/10.1016/j.jalgebra.2020.05.023

Araújo, J., Bentz, W. and Cameron, P. J.

Araújo, J.,
[see: Araújo, J.]

Archibald, B., Calder, M. and Sevegnani, M.
Conditional bigraphs. Preprint.

Arrigo, F., Higham, D. J. and Noferini, V.

Arrigo, F., Higham, D. J. and Tudisco, F.
https://doi.org/10.1098/rspa.2019.0724

Aru, J., Groenland, C., Johnston, T., Narayanan, B P., Roberts, A. and Scott, A. D.
http://dx.doi.org/0.1214/19-AIHP1026
https://arxiv.org/pdf/1805.06277

Asadollahi, J., Jorgensen, P., Schroll, S. and Treffinger, H.
On higher torsion classes. Preprint

Ashcroft, C. J.
https://arxiv.org/pdf/2103.07918
Assiotis, T.
Infinite p-adic random matrices and ergodic decomposition of p-adic Hua measures. Preprint.

Assiotis, T.
On the moments of the partition function of the $C\beta E$ field. Preprint.

Assiotis, T, Bailey, E C. and Keating, J. P.

Assiotis, T. and Keating, J. P.
https://doi.org/10.1142/S2010326321500192

Atminas, A.
Well-quasi-ordering and finite distinguishing number. J. Graph Theory 95 (2020) 5-26
https://doi.org/10.1002/jgt.22523
https://arxiv.org/pdf/1512.05993

Atminas, A., Brignall, R., Lozin, V. V. and Stacho, J.
https://doi.org/10.1016/j.dam.2021.02.007

Atminas, A.
[see: Alecu, B.]

August, J., Cheung, M.-W., Faber, E., Gratz, S. and Schroll, S.
Grassmannian categories of infinite rank. Preprint.

Averkov, G.
[see: Aliev, I.]

Axenovich, M., Girão, A., Snyder, R. and Weber, L.
Strong complete minors in digraphs. Preprint.

https://doi.org/10.1016/j.tcs.2020.02.012

Ayad, L. A. K.
[see: Alamro, H, Alzamel, M]

Ayyer, A., Mandleshtam, O. and Martin, J. B.
Stationary probabilities of the multispecies TAZRP and modified Macdonald polynomials: I. Preprint.

Aziz, F., Hancock, E. R. and Wilson, R. C.
Network Entropy using Edge-based Information Functionals. J. Complex Networks, 8 (2020) cnaa015,
https://doi.org/10.1093/comnet/cnaa015

Babunin, I., Power, S. C. and Proserpio, D.
https://doi.org/10.1107/S2053273320000625

Badkobeh, G. and Crochemore M.
Left Lyndon tree construction. Stringology 2020 84-95.

Badkobeh, G., Gawrychowski, P., Kärkkäinen, J., Puglisi, S. J. and Zhukova, B.
https://doi.org/10.1016/j.tcs.2020.11.037

Bagdasar, O. D.
[see: Andrica, D.]

Bahonar, H., Mirzaei, A., Sadri, S. A. and Wilson, R. C.
Graph Embedding Using Frequency Filtering. *IEEE Transactions on Pattern Analysis and Machine Intelligence*. **43** (2021) 473-484
https://doi.org/10.1109/TPAMI.2019.2929519

Bailey E. C.
[see: Assiotis, T.]

Bailey, R. A.
https://doi.org/10.1080/03610926.2019.1676443

Bailey, R. A. and Cameron, P. J.
The diagonal graph. Preprint.
https://arxiv.org/pdf/2101.02451

Bailey, R. A., Cameron, P. J., Giudici, M. and Royle, G. F.
Groups generated by derangements. Preprint.

Bailey, R. A., Cameron, P. J., Kinyon, M. and Praeger, C. E.
Diagonal groups and arcs over groups. Preprint.

Bailey, R. A., Cameron, P. J., Praeger, C. E. and Schneider Cs.
The geometry of diagonal groups. Preprint.

Bailey, R. A., Cameron, P. J., Soicher, L. H. and Williams. E. R.
Substitutes for the non-existent square lattice designs for 36 varieties. *Journal of Agricultural, Biological and Environmental Statistics* **25** (2020) 487–499.4
https://doi.org/10.1007/s13253-020-00388-1

Bailey, R. A. and Sajjad., A.

Bailey, R. A. and Soicher, L. H.

---

4 This paper was almost in the Bulletin last year but for some obscure reason – probably incompetence of the Editor- the page numbers were omitted. They are provided now for completeness.
https://doi.org/10.1016/j.jspi.2020.12.003

Bailey, R. A. and Uto, T.
https://doi.org/10.1007/s42519-020-00118-3

https://doi.org/10.4007/annals.2020.192.3.6
https://arxiv.org/pdf/1907.09464

Balister, P. N., Bollobás, B., Morris, R. D., Sahasrabudhe, J. and Tiba, M.
https://doi.org/10.1007/s10474-020-01048-z

Balister, P. N., Powierski, E., Scott, A. D. and Tan, J.
A note on infinite antichain density. Preprint.
https://arxiv.org/pdf/2102.00246

Balko, M., Pór, A., Scheucher, M., Swanepoel, K. J. and Valtr, P.
https://doi.org/10.1007/s00373-020-02149-w
https://arxiv.org/pdf/1706.06375

Balla, I., Letzter, S. and Sudakov, B.
https://doi.org/10.1007/s00454-020-00185-0

Balogh, J., Bollobás, B. and Narayanan, B.P.
https://doi.org/10.1016/j.jcta.2021.105405

Balogh, J., Clemen, F. C., Skokan, J. and Wagner, A. Zs.
https://doi.org/10.37236/8374
https://www.combinatorics.org/ojs/index.php/eljc/article/view/v27i1p60/8048

Balogh, J., Csába, B., Pluhár. A. amd Treglown, A.

Balogh, J., Kronenberg, G., Pokrovskiy, A. and Szabó, T.
https://arxiv.org/pdf/1907.04559

Balogh, J., Li, L. and Treglown, A.
Tilings in vertex ordered graphs. Preprint.

Bamberg, J., Devillers, A., Fawcett, J. B. and Praeger, C. E.
Banakh, T., Idzik, A., Pikhurko, A., Protasov, I. and Pszczola, K.
Isometric copies of directed trees in orientations of graphs. *J. Graph Theory* **84** (2020) 175-191
https://doi.org/10.1002/jgt.22513
https://arxiv.org/pdf/1606.01973

Bang-Jensen J., Eiben, E., Gutin, G., Wahlström, M. and Yeo, A.
https://doi.org/10.4230/LIPIcs.IPEC.2020.2

Bang-Jensen, J., Gutin, G. and Yeo, A.
Arc-disjoint Strong Spanning Subdigraphs of Semicomplete Compositions. *J. Graph Theory* **95** (2020) 267-289
https://doi.org/10.1002/jgt.22568

Baní-Abdelrahman, R. E.
[see: Alshorman, R.]

Barakat, M., Behrends, R., Jefferson, C., Kühne, L. and Leuner, M.
https://arxiv.org/pdf/1907.01073

Bárány, I.
Pairwise intersecting convex sets and cylinders in $\mathbb{R}^3$. Preprint.
https://arxiv.org/pdf/2104.02148

Bárány, I., Fradelizi, M., Goaoc, X., Hubard, A. and Rote, G.
https://doi.org/10.5802/ahl.44

Bárány, I., Kalai, G. and Pór, A.
Erdős-Szekeres theorem for k-flats. Preprint.

Bárány, I.
[see: Adiprasito, K.]

Barber, B., Erde, J., Keevash, P. and Roberts, A.

Barber, B., Glock, S., Kühn, D., Lo, A., Montgomery, R. and Osthus, D.
http://dx.doi.org/10.1002/rsa.20915
https://arxiv.org/pdf/1808.06956

Barbina, S. and Casanovas, E.
https://doi.org/10.1142/S0219061320500105

Barnetson, K. D., Burgess, A. C., Enright, J., Howell, J., Pike, D. A. and Ryan, B.
https://doi.org/10.1002/net.21975

Bar-Noy, A., Erlebach, T., Rawitz, D. and Terlecky, P.

https://doi.org/10.1016/j.tcs.2021.01.034

Barr, M., Kavanagh, W., Miller, A., Purchase, H. C. and Valkov, I.
Breakout group allocation schedules and the social golfer problem with adjacent group sizes. *Symmetry* **13** (2021)

https://dx.doi.org/10.3390/sym13010013

https://www.mdpi.com/2073-8994/13/1/13/html

Barros, G. F., Cavalar, B. P., Kohayakawa, Y. and Naia, T.

Barros, G. F., Cavalar, B. P., Mota, G. O. and Parczyk, O.

Bartier, V., Bousquet, N. and Heinrich, M.

Bašić, N.
[see: Anstöter, C. S.]


https://doi.org/10.1093/cercor/bhaa345


Bastin, M. E.
[see: Amit, E. N.]

Bate, M., Connor, S. B. and Matheau-Raven, O.
https://arxiv.org/pdf/1907.12074

Baudier, F. P., Motakis, P., Schlumprecht, T. and Zsák, A.
https://doi.org/10.1007/s00454-020-00184-1


Bauerschmidt, R., Crawford, N., Helmuth, T. and Swan, A.

Bauerschmidt, R., Huang, S., Knowles, A. and Yau, H.-T.

https://doi.org/10.1007/s00039-020-00538-0


Baur, K.
https://arxiv.org/pdf/2101.05676

Baur, K., Bogdanic, D. and Elsener, A. G.

https://doi.org/10.1017/nmj.2019.14
Baur, K. Faber, E., Gratz, S., Serhiyenko, K. and Todorov, G.
Friezes satisfying higher $SL_k$-determinants. Algebra and Number Theory 15 (2021) 29-68.
https://doi.org/10.2140/ant.2021.15.29
https://arxiv.org/pdf/1810.10562

Baur, K., Pasquali, A. and Velasco, D.

Baur, K., Canakci, I., Jacobsen, K. M., Kulkarni, M. C. and Todorov, G.

Baur, K., Li, J.-R. and Smolensky, A.
Real roots in the root system $E_{k,n}$. Preprint.
https://arxiv.org/pdf/2101.03119

Bazzi, M., Chiu, A., Cucuringu, M., Elliott, A. and Reinert, G.
https://doi.org/10.1098/rspa.2019.0783

Becker, O., Lubotsky, A. and Mosheiff, J.

Behrends, R.
[see: Barakat, M.]

Bell, P.C. and Semukhin, P.
http://researchonline.ljmu.ac.uk/id/eprint/13401/1/BS20.pdf

Bell, P.C. and Semukhin, P.
Decidability of Cutpoint Isolation for Probabilistic Finite Automata on Letter-Bounded Inputs.
https://doi.org/10.4230/LIPIcs.CONCUR.2020.22

Bell, P.C. and Semukhin, P.
https://doi.org/10.4230/LIPIcs.CONCUR.2020.22

Benediktsson, B. G.
[see: Adler, I.]

Ben-Eliezer, O., Hefetz, D. Kronenberg, G., Parczyk, O.,Shikhelman, C. and Stojaković, M.
https://doi.org/10.1002/rsa.20887

Benford, A. and Montgomery, R.
Trees with few leaves in tournaments. Preprint.
https://arxiv.org/pdf/2103.06229

Benjamini, I. and Ellis, D.
https://arxiv.org/pdf/1802.02002

Benjamini, I. and Hutchcroft, T.

Bentz, W.
[see: Araújo, J.]

Benzing, F., Pokrovskiy, A. and Sudakov, B.
https://doi.org/10.1016/j.ejc.2020.103102
https://arxiv.org/pdf/1711.03772

Berenbrink, P., Elsässer, R., Friedetzky, T., Kaaser, D., Kling, P. and Radzik, T.
https://doi.org/10.1007/s00446-020-00385-0

Bergelson, V., Moreira, J. and Richter, F. K.
Multiple ergodic averages along functions from a Hardy field: convergence, recurrence and combinatorial applications. Preprint.

Berger, S., Kohayakawa, Y., Maesaka, G. S., Martins, T., Mendonça, W. and Parczyk, O.
https://arxiv.org/pdf/1907.03466

Bernini, A., Cervetti, M., Ferrari, L. and Steingrimsson, E.

Bernardini, G.
[see: Alzamel, M., Ayad, L. A. K.]

Bernstein, A., van den Brand, J., Gutenberg, M. P., Nanongkai, D., Saranurak, T., Sidford, A. and Sun, H.
Fully-Dynamic Graph Sparsifiers Against an Adaptive Adversary. Preprint.

Berthe, G., Martin, B., Paulusma D. and Smith, S.
The complexity of L(p,q)-Edge-Labelling. Preprint.

Bevan, D.

Bevan, D.
Independence of permutation limits at infinitely many scales. Preprint.
Bevan, D., Brignall, R., Elvey Price, A. and Pantone, J.
https://doi.org/10.1016/j.ejc.2020.103115
https://arxiv.org/pdf/1711.10325

Bezakova, I., Galanis, A., Goldberg, L. A. and Štefankovič, D.
https://doi.org/10.1137/18M1184485
https://arxiv.org/pdf/1711.00282

Bezakova, I., Galanis, A., Goldberg, L. A. and Štefankovič, D.

Bhattacharya, S., Grandoni, F. and Wajc, D.
Online Edge Coloring Algorithms via the Nibble Method. SODA2021, 2830-2841.
https://doi.org/10.1137/1.9781611976465.168

Bhattacharya, S., Henziger, M., Nanongkai, D. and Wu, X.
https://doi.org/10.1137/1.9781611976465.150

Bhattacharya, S. and Kulkarni, J.
https://doi.org/10.1137/1.9781611975994.153
https://arxiv.org/pdf/1810.03491

Bhattacharya, S., Nanongkai, D. and Saranurak, T.
https://doi.org/10.1137/1.9781611975994.29

Bick, C., Gross, E., Harrington, H. A. and Schaub, M.
What are higher-order networks? Preprint.
https://arxiv.org/pdf/2104.11329

Birmpas G.
[see: Amanatadis, G.]

Biró, P., Gyetvai, M., Klimentova, X., Pedroso, J. and Pettersson, W.
Compensation scheme with Shapley value for multi-country kidney exchange. 34th ECMS International Conference on Modelling and Simulation 2020
https://dx.doi.org/10.7148/2020-0129

Biró, P.
[see: Andersson, T.]

Blackburn, S. R. and Etzion, T.
Blanché A, Dąbrowski, K. K., Johnson, M., Lozin, V. V., Paulusma, D. and Zamarraev, V.
https://doi.org/10.1137/18M1235016
https://arxiv.org/pdf/1705.07681

Blesa, M.
[see: Bastin, M. E.]

Blitvić, N. and Steingrímsson, E.

Bloom, T. F.

Bloom, T. F. and Maynard, J.
A new upper bound for sets with no square differences. Preprint.

Bloom, T. F. and Sisask, O.
Breaking the logarithm barrier in Roth’s theorem on arithmetic progressions. Preprint.

Blume, T., Richerby, D. and Scherp, A.
https://arxiv.org/pdf/1908.01528

Blume, T., Richerby, D. and Scherp, A.
Incremental and Parallel Computation of Structural Graph Summaries for Evolving Graphs. CIKM2020 75-74.
https://doi.org/10.1145/3340531.3411878

Blumenthal, A., Lidický, B., Pehova, Y., Pfender, F., Pikhurko, O. and Volec, J.
https://doi.org/10.1017/S0963548320000358

Boardman, J. P.
[see: Bastin, M. E.]

Bodini, O., Genitrini, A., Mailler, C. and Naima, M.
https://hal.sorbonne-universite.fr/hal-02865198/document

Bodirsky, M., Mottet, M., Olšak, M., Opršal, J., Pinsker, M. and Willard, R.
https://doi.org/10.1090/tran/8179

Bodlaender, H., Brettell, N., Johnson, M., van Leeuwen, E. J., Paesani, G. and Paulusma, D.
Steiner trees for hereditary graph classes: A Treewidth Perspective. LATIN202 613-624.
https://doi.org/10.4230/LIPIcs.STACS.2020.35
Bonamy, M., Heinrich, M., Legrand-Duchesne, C. and Narboni, J.
On a recolouring version of Hadwiger's conjecture. Preprint.
https://arxiv.org/pdf/2103.10684
Bonamy, M., Kardoš, F., Kelly, T. and Postle, L.
Fractional vertex-arboricity of planar graphs. Preprint.
Bonin, J., Chun, C. and Noble, S. D.
https://doi.org/10.1016/j.aam.2019.04.007
Bonin, J., Chun, C. and Noble, S. D.
https://doi.org/10.1016/j.aam.2019.04.006
Bonneux, N., Dunning, T. C. and Stevens, M.
https://doi.org/10.1111/sapm.12290
Bordewich, M., Linz, S., Owen, M., St. John, K., Semple. C. and Wicke, K.
Borgs, C., Chayes, J. T., Helmuth, T., Perkins, W. and Tetali, P.
Efficient sampling and counting algorithms for the Potts model on $\mathbb{Z}^d$ at all temperatures. STOC2020 738-751.
https://doi.org/10.1145/3357713.3384271
Borzi, A.
Bossek, J., Neumann, F., Peng, P. and Sudholt, D.
More effective randomized search heuristics for graph coloring through dynamic optimization. GECCO2020
https://doi.org/10.1145/3377930.3390174
Böttcher, J., Parczyk, O., Skokan, J. and Squegglia, A.
Triangles in randomly perturbed graphs. Preprint.
Böttcher, J., Parczyk, O., Skokan, J. and Squegglia, A.
https://arxiv.org/pdf/2103.06136
Böttcher, J.
[see: Allen, P.]

Bousquet, N.

[see: Bartier, V., Bonamy, N.]

Bowler, N., Carmesin, J., Ghaderi, S. and Wojciechowski, J.
The Almost Intersection Property for Pairs of Matroids on Common Groundset.
https://doi.org/10.37236/8881

Bowman, C. D., Cox, A. and Hazi, A.
Path isomorphisms between quiver Hecke and diagrammatic Bott-Samelson endomorphism algebras. Preprint.

Bowman, C. D., Cox, A., Hazi, A. and Michalidis, D.
Path combinatorics and light leaves for quiver Hecke algebras. Preprint.

Bowman, C. D., Enyang, J. and de Visscher, M.
https://doi.org/10.1016/j.jcta.2020.105297

Bowtell, C. and Hyde, J.
A degree sequence strengthening of the vertex degree threshold for a perfect matching in 3-uniform hypergraphs. Preprint.

Bradshaw, P.

Bradshaw, P., Hanson, B. and Rudnev, M.
https://arxiv.org/pdf/2104.11330

Brakensiek, J., Guruswami, V., Wrochna, M. and Živný, S.
https://doi.org/10.1137/20M1312745

van den Brand, J.
[see: Bernstein, A.]

Brands, A., Wrochna, M. and Živný, S.
The complexity of promise SAT on non-Boolean domains. ICALP2020. 5
https://arxiv.org/pdf/1911.09065

Brause, C., Golovach, P. A., Martin, B., Paulusma, D. and Smith, S.

Brettell, N., Horsfield, J., Munaro, A., Paesani, G. and Paulusma, D.
https://doi.org/10.4230/LIPIcs.IPEC.2020.6

Brettell, N., Horsfield, J., Munaro, A., and Paulusma, D.

---

5 Journal version also submitted.

Brettell, N., Johnson, M., Paesami, G. and Paulusma, D.  
https://doi.org/10.1007/978-3-030-60440-0_15  

Brettell, N. Munaro, A. and Paulusma, D.  

Brettell, N. Munaro, A. and Paulusma, D.  
List $k$-Colouring $P_t$-Free Graphs with No Induced $1$-Subdivision of $K_{1,s}$ a Mim-width Perspective. Preprint.  

Brettell, N.  
[see: Bodlaender, H.]

Breuillard, E. and Varjú, P. P.  
https://doi.org/10.1007/s11854-020-0100-0  
https://arxiv.org/pdf/1510.04043

Brewster, R. C., Lee, J. –B., Moore, B., Noel, J. A. and Siggers, M.  
Graph homomorphism reconfiguration and frozen H-colorings. J. Graph Theory 94 (2020) 398-420.  
https://doi.org/10.1002/jgt.22530  
https://arxiv.org/pdf/1712.00200

Bridoux, F., Castillo-Ramirez, A. and Gadouleau, M.  
https://doi.org/10.1016/j.jcss.2019.12.001  

Bridoux, F., Gadouleau, M. and Theyssier, G.  
https://arxiv.org/pdf/1902.08007

Bridoux, F., Gadouleau, M. and Theyssier, G.  
https://doi.org/10.1007/978-3-030-51466-2_24  

Briggs, K., Dawes, J., Járai, A. A. and Middleton, A.  
How close is the nearest node in a wireless network? IMA Journal of Applied Mathematics 86 (2021) 188–219  
https://doi.org/10.1093/imamat/hxaa043

Briggs, K. M. and Shojaeifard, A.  
https://doi.org/10.1109/TVT.2020.3018461  
https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=9173824

Brignall, R. and Cocks, D.  
Uncountably many minimal hereditary classes of graphs of unbounded clique-width. Preprint.

---

6 Was “An algorithm for Voronoi patterns of general pathloss models” last year.
Brignall, R. and Vatter, V.
Labeled well-quasi-order for permutation classes. Preprint.
https://arxiv.org/pdf/2103.08243

Brignall, R.
[see: Atminas, A., Bevan, D.]

Britnell, J. R. and Wildon, M. R.
Involutive random walks on total orders and the anti-diagonal eigenvalue property. Preprint.
https://arxiv.org/pdf/2102.08469

Brown, P. and Fenner, T. I.

Brown, P. and Fenner, T. I.
http://dx.doi.org/10.7155/jgaa.00556
http://jgaa.info/accepted/2021/556.pdf

Bruin, H., Terhesiu, D. and Todd, M.

Brunat, O. and Gramain J.-B.
https://doi.org/10.1007/s10468-018-9843-z

Bucić, M., Heberle, S., Letzter, S., and Sudakov, B.
https://doi.org/10.1017/S0963548319000373
https://arxiv.org/pdf/1809.07089

Bucić, M., Jahn, E., Pokrovskiy, A. and Sudakov, B.
https://doi.org/10.1016/j.jctb.2020.02.002

Bucić, M., Kórandi, D. and Sudakov, B.
https://arxiv.org/pdf/1902.05055

Bucić, M., Kwan, M., Pokrovskiy, A., Sudakov, B., Tran, T. and Wagner, A. Zs.
https://doi.org/10.1007/s11856-020-2035-7
https://arxiv.org/pdf/1809.01468

Bucić, M., Long, E. P., Shapira, A. and Sudakov, B.
Bulatov, A. and Živný, S.
https://doi.org/10.1145/3389390
https://arxiv.org/pdf/1907.07922

Bumpus, B. M. and Kocsis, Z. A.
https://arxiv.org/pdf/2104.01841

Bumpus, B. M. and Meeks, K.
https://arxiv.org/pdf/2103.05387

Bumpus, B. M., Meeks, K. and Pettersson, W.

Burgess,. A. C..
[see: Barnetson, K. D.]

Burnapp, L.
[see: Andersson, T.]

Burnette, C.
[see: Acan, H.]

Bustamante, S., Corsten, J., Frankl, N., Pokrovskiy, A. and Skokan, J.
https://doi.org/10.1137/19M1269786
https://arxiv.org/pdf/1903.04471

Butti, S. and Živný, S.
https://doi.org/10.1137/19M1242446

Buys, P., Galanis, A., Patel, V. and Regts, G.

Cai, J.-Y., Fu, Z. Guo, H. and Williams, T.
https://arxiv.org/pdf/1505.02993

Cai, J.-Y., Dyer, M. E. and Govorov, A.
A dichotomy for bounded degree graph homomorphisms with nonnegative weights.
https://doi.org/10.4230/LIPIcs.ICALP.2020.66

Cai, L., Sauerwald, T. and Zanetti, L.
https://doi.org/10.1007/978-3-030-54921-3_7

Calder, M.
[see: Archibald, B.]
Cameron, P. J.
Graphs defined on groups. Preprint.
https://arxiv.org/pdf/2102.11177

Cameron, P. J. and Eberhard, S.

Cameron, P. J., Freedman, S. and Roney-Dougal, C. M.
The non-commuting, non-generating graph of a nilpotent group. Electron J. Comb. 28 (2021) P1.16
http://doi.org/10.37236/9802

Cameron, P. J. and Jafari, S. H.
On the connectivity and independence number of power graphs of groups. Graphs Comb. 36 (2020) 895–904
https://doi.org/10.1007/s00373-020-02162-z

Cameron, P. J. and Kuzma, B.
Between the enhanced power graph and the commuting graph. Preprint.

Cameron, P. J., Manna, P. and Mehatari, R.
Forbidden subgraphs of power graphs. Preprint.

Cameron, P. J. and Maslova, N. V.
Criterion of unrecognizability of a finite group by its Gruenberg–Kegel graph. Preprint.

Cameron, P. J. and Stott, L.

Campos, M., Collins, M., Matros, L., Morris, R. D. and Morrison, N.
https://doi.org/10.1093/imrn/rna021

Campos, M., Jenssen, M., Michelen, M. and Sahasrabudhe, J.

Campos, M., Matros, L., Morris R. D. and Morrison, N.

Canakci, I., Pauksztello, D. and Schroll, S.
https://doi.org/10.1016/j.jalgebra.2020.08.005

Canakci, I. and Schroll, S.
[https://doi.org/10.1016/j.aam.2020.102094](https://doi.org/10.1016/j.aam.2020.102094)

Canakci, I.
[see: Baur, K.]

Candela, P., Catalá, C., Hancock, R., Kabela, A., Král’, D., Lamaison, A. and Vena, L.

Caragiannis, I., Christodoulou, G. and Protopapas, N.
Impartial selection with prior information.

Carbery, A. and Iliopoulos, M.
Joints formed by lines and a $k$-plane, and a discrete estimate of Kakeya type. *Discrete Anal.* (2020)
[https://doi.org/10.19086/da.18361](https://doi.org/10.19086/da.18361)

Carbonnel, C., Romero, M. and Živný, S.
[https://doi.org/10.1145/3409447](https://doi.org/10.1145/3409447)

Cardinal, J.
[see: Aicholzer, O.]

Carmesin, J.
Local 2-separators. Preprint.

Carmesin, J.
Characterising graphs with no subdivision of a wheel of bounded diameter. Preprint.

Carmesin, J.

Carmesin, J. and Georgakopoulos, A.
Every planar graph with the Liouville property is amenable. *Random Struct. Algorithms* **57** (2020) 706-729
[https://doi.org/10.1002/rsa.20936](https://doi.org/10.1002/rsa.20936)

Carmesin, J. and Mihaylov, T.
Outerspatial 2-complexes: Extending the class of outerplanar graphs to three dimensions. Preprint.

Carmesin, J
[see: Bowler, N.]

Carvalho, C. and Martin, B.
The lattice and semigroup structure of multipermutations. Preprint.

Carvalho, I. A., Erlebach, T. and Papadopoulos, K.
On the Fast Delivery Problem with One or Two Packages J. *Comput. Syst. Sci.*
115 (2021) 246-263.

Casanovas, E.
[see: Barbina, S.]

Casteights, A., Raskin, M., Renken, M. and Zamaraev, V.

Castillo-Ramirez, A. and McInroy, J.
https://doi.org/10.1016/j.jpaa.2020.106619

Castillo-Ramirez, A.
[see: Bridoux, F.]

Catalá, C.
[see: Candela, P.]

Cavalar, B. P.
[see: Barros, G. F.]

Celaya, M., Loho G. and Yuen, C. H.
Patchworking Oriented Matroids. Preprint.

Celaya, M., Loho G. and Yuen, C. H.
Oriented Matroids from Triangulations of Products of Simplices. Preprint.

Celaya, M.
[see: Aliev, I.]

Cerbai, M., Claesson, A., Ferrari, L. and Steingrímsson, E.
https://doi.org/10.37236/9642

Cervetti, M.
[see: Bernini, A.]

Champseio, N., Galby, E., Munaro A. and Ries, B.
https://doi.org/10.1016/j.dam.2020.11.018
https://arxiv.org/pdf/1903.01805

Chan, T. F. N., Cooper, J. W., Koutecky, M., Král’, D. and Pekarkova, K.

Chan, T. F. N., Grzesik, A., Král’, D. and Noel, J. A.
https://doi.org/10.1016/j.jcta.2020.105276

Chan, T. F. N., Král’, D., Mohar, B. and Wood, D. R.
Inducibility and universality for trees. Preprint.
https://arxiv.org/pdf/2102.02010
https://doi.org/10.1002/rsa.20956


https://doi.org/10.1016/j.jalgebra.2020.02.003
https://arxiv.org/pdf/1811.02211

https://doi.org/10.1007/s00454-020-00189-w


https://doi.org/10.4230/LIPIcs.ICALP.2020.27

https://doi.org/10.4230/LIPIcs.ESA.2020.31

https://doi.org/10.4230/LIPIcs.CPM.2020.9

https://doi.org/10.4230/LIPIcs.CPM.2020.8

https://doi.org/10.1016/j.jcss.2020.07.003
https://arxiv.org/pdf/1907.01815
Charalampopoulos, P., Kociumaka, T., Radoszewski, J., Rytter, W., Waleń, T. and Zuba, W.
Efficient Enumeration of Distinct Factors using Package Representations.
https://doi.org/10.1007/978-3-030-59212-7_18

Charalampopoulos, P., Pissis, S. P., Radoszewski, J., Waleń, T. and Zuba, W.
Unary Words Have the Smallest Levenshtein k-Neighbourhoods CPM2020
10:1-10:12
https://doi.org/10.4230/LIPIcs.CPM.2020.10

Charalampopoulos, P., Radoszewski, J., Rytter, W., Waleń, T. and Zuba, W.
https://doi.org/10.4230/LIPIcs.ESA.2020.32

Charalampopoulos, P.
[see: Alzamel, M., Amir, A.]

Chase, Z.
The maximum number of triangles in a graph of given maximum degree7 Adv. Comb. (2020) article 10.
https://doi.org/10.19086/aic.16788
https://arxiv.org/pdf/1912.01600

Chase, Z.

Chase, Z.

Chase, Z.

Chase, Z.

Chayes, J. T.
[see: Borgs, C.]

Chellig, J., Durbac, C. and Fountoulakis, N.
Best response dynamics on random graphs. Preprint.

Chellig, J., Fountoulakis, N. and Skerman, F.
The modularity of random graphs on the hyperbolic plane. Preprint.

Chen, B., Connelly, R., Nixon, A. and Theran, L.
Universal rigidity on the line, point order. Preprint.
https://arxiv.org/pdf/2104.01041

Chen, B., Doan, X. V. and Wang, C.

---
7 This is the paper which was described in last year's Bulletin as “A Proof of the Gan Loh Sudakov conjecture”. 

Chen, H.
[see: Charalampopoulos, P.]

**Chen, H. Z. Q. and Kitaev, S**

On universal partial words for word-patterns and set partitions. *RAIRO - Theoretical Informatics and Applications* 54 (2020) article 5
https://doi.org/10.1051/ita/2020004
https://strathprints.strath.ac.uk/71810/1/Chen_Kitaev_RAIRO_TIA_2020_On_universal_partial_words_for_word_patterns_and_set_partitions.pdf

Chen, H. Z. Q., Kitaev, S. and Saito, A.
https://arxiv.org/abs/1908.01116

Chen, H. Z. Q., Kitaev, S. and Sun, B. Y.
Lower bounds, and exact enumeration in particular cases, for the probability of existence of a universal cycle or a universal word for a set of words. *Mathematics* 8 (2020) 778
https://doi.org/10.3390/math8050778
https://arxiv.org/pdf/1908.01116

Chen, L., Hirahara, S., Oliveira, I. C., Pich J., Rajgopal, N. and Santhanam, R.
https://doi.org/10.4230/LIPICS.ITCS.2020.70

Chen, Q. and Goldschmidt, C.
https://doi.org/10.3150/20-BEJ1227
https://arxiv.org/pdf/1911.03816

Chen, X., Deb, B., Dyachenko, A., Gilmore, T., & Sokal, A. D.

http://dx.doi.org/10.1002/rsa.20968
https://arxiv.org/pdf/1901.06653

Chen, Z., Galanis, A., Štefankovič, D. and Vigoda, E.

https://doi.org/10.1016/j.disc.2020.112043

Cherlin G.
[see: Amato, D.]

Cheung, M.-W.
[see: August, J.]

Chikin, N., Gurvich, N., Knop, K., Paterson, M. S. and Vyalyi, M.
More about Exact Slow $k$-Nim. Preprint.
https://arxiv.org/pdf/2102.03528

Chistikov, D., Goulko, O., Kent, A. P. and Paterson, M. S.
https://doi.org/10.1098/rspa.2020.0038

Chistikov, D., Lisowski, G., Paterson, M. S. and Turrini, P.
https://doi.org/10.1609/aaai.v34i05.6197
https://arxiv.org/pdf/1912.09864

Chiu, A..
[see: Bazzi, M.]

Choi, K. P., Kaur, G. and Wu, T.
https://arxiv.org/pdf/2101.07488

Chow, S., Lindqvist, S. and Prendiville, S.
https://dx.doi.org/10.4171/JEMS/1047

Chow, S. and Slattery, T.
Fibonacci partitions. Preprint.

Christen, P.
[see: Charalampopoulos, P.]

Christodoulou, G., Gkatzelis, V., Latifian, M. and Sgouritsa, A.
https://doi.org/10.1145/3391403.3399528
https://dl.acm.org/doi/pdf/10.1145/3391403.3399528

Christodoulou, G.
[see: Caragiannis, I.]

Chromy, P.
[see: Andersson, T.]

Chudnovsky, M., Fox, J., Scott, A. D.. Seymour, P. D. and Spirkl, S.
https://doi.org/10.1002/jgt.22556
https://people.maths.ox.ac.uk/scott/Papers/polynominalanticomplete.pdf

Chudnovsky, M., Scott, A. D. and Seymour, P. D.
Finding a shortest odd hole. ACM Trans. Algorithms 17 (2021) 1-21
https://doi.org/10.1145/3447869

Chudnovsky, M., Scott, A. D. and Seymour, P. D.

Chudnovsky, M., Scott, A. D., Seymour, P. D. and Spirkl, S.
https://doi.org/10.1016/j.aim.2020.107396
https://arxiv.org/pdf/1809.00919
Chudnovsky, M., Scott, A. D., Seymour, P. D. and Spirkl, S.
Pure pairs. II. Excluding all subdivisions of a graph. Combinatorica, to appear.

Chudnovsky, M., Scott, A. D., Seymour, P. D. and Spirkl, S.
https://doi.org/10.1007/s11856-020-2034-8
https://people.maths.ox.ac.uk/scott/Papers/kalaimeshulam.pdf

Chudnovsky, M., Scott, A. D., Seymour, P. D. and Spirkl, S.

Chudnovsky, M., Scott, A. D., Seymour, P. D. and Spirkl, S.
Erdős-Hajnal for graphs with no 5-hole. Preprint.

Chudnovsky, M., Scott, A. D., Seymour, P. D. and Spirkl, S.

Chudnovsky, M.
[see: Abrishimi, T.]

Chun, C.
[see: Bonin, J.]

Cid-Ruiz, Y., Mohammadi, F. and Monin, L.
https://arxiv.org/pdf/2104.05397

Cieśla, T. and Grabowski, Ł.

Ciobanu, L., Hermiller, S. and Mercier, V.
Formal conjugacy growth in graph products I. Preprint.
https://arxiv.org/pdf/2103.04696

Claesson, A.
[see: Cerbai, M.]

Clare, A., Daykin, J. W., Major, L., Mora, B, Peña Gamboa, L and Zarges, C.
https://doi.org/10.1007/978-3-030-58112-1_27
https://pure.aber.ac.uk/portal/files/38779287/PPSN_2020_Lyndon_Factorization.pdf

Clarke, O., Grace, K., Mohammadi, F. and Motwani, H. J.
Matroid stratifications of hypergraph varieties, their realization spaces, and discrete conditional independence models. Preprint.

Clarke, O., Higashitani, A. and Mohammadi, F.
Combinatorial Mutations and Block Diagonal Polytopes. Preprint.

Clarke, O. and Mohammadi, F.
Toric degenerations of flag varieties from matching field tableaux. J. Pure Appl. Algebra 225 (2021) 106624
https://doi.org/10.1016/j.jpaa.2020.106624

Clarke, O. and Mohammadi, F.
Standard monomial theory and toric degenerations of Schubert varieties from matching field tableaux. Preprint.  
Clarke, O. and Mohammadi, F.  
https://doi.org/10.1016/j.jalgebra.2020.05.017  
Clarke, O., Mohammadi, F. and Motwani, H. J.  
Conditional probabilities via line arrangements and point configurations. Preprint.  
Clarke, O.  
[see: Bonala, N. C.]  
Clemen, F. C.  
[see; Balogh, J.]  
Clemens, D., Hamann, F., Mogge, Y. and Parczyk, O.  
Clinch, K., Jackson, B. and Keevash, P.  
https://doi.org/10.1016/j.jctb.2020.05.003  
Clinch, K., Nixon, A. Schulze, B. and Whiteley, W.  
https://doi.org/10.1007/s00454-020-00198-9  
Cocks, D.  
[see: Brignall, R.]  
Cohen, D. A., Cooper, M. C., Kaznatcheev, A. and Wallace, M.  
https://doi.org/10.1016/j.orl.2020.02.010  
https://arxiv.org/pdf/1911.08600  
Cohen, D. A., Jeavons, P. and Kaznatcheev, A.  
Representing Fitness Landscapes by Valued Constraints to Understand the Complexity of Local Search. J. Artif. Intell. Res. 69 (2020) 1077-1102  
https://doi.org/10.1613/jair.1.12156  
Coja-Oghlan, .A., Loick, P., Mezei, B. and Sorkin, G. B.  
The Ising antiferromagnet and max cut on random regular graphs. Preprint.  
Collares, M.  
[see: Campos, M.]  
Colluci, L., Győri, E., and Methuku, A.  
https://doi.org/10.1016/j.disc.2020.112140  
https://arxiv.org/pdf/1903.04541  
Conant, G.

Conant, G.
https://doi.org/10.1017/S0963548320000176
https://arxiv.org/pdf/1806.06022

Conant, G.
https://arxiv.org/pdf/1902.07194

Conant, G. and Pillay, A.
Approximate subgroups with bounded VC-dimension. Preprint.

Conant, G., Pillay, A. and Terry, C.
https://arxiv.org/pdf/1802.04246

Condon, P., Diaz, A. E., Girão, A., Kühn, D. and Osthus, D.
Hamiltonicity of random subgraphs of the hypercube. SODA21 889-898. 8
https://doi.org/10.1137/1.9781611976465.56

Condon, P., Diaz, A. E., Girão, A., Kühn, D. and Osthus, D.
https://arxiv.org/pdf/1903.05052

Conley, C. T., Grebik, J. and Pikhurko, O.
Divisibility of Spheres with Measurable Pieces. Preprint.

Conlon, D., Das, S., Lee, J. and Mészáros, T.
https://doi.org/10.1002/rsa.20959
http://www.its.caltech.edu/~dconlon/Bandits.pdf

Conlon, D., Janzer, O. and Lee, J.
https://arxiv.org/pdf/1903.10631

Conlon, D. and Lee, J.
Sidorenko's conjecture for blow-ups. *Discrete Anal.* 2021:2 13pp
https://doi.org/10.19086/da.21472
http://people.maths.ox.ac.uk/~conlond/Holder.pdf

Conlon, D. and Lee, J.
https://arxiv.org/pdf/1807.05008

Connelly, R., Gortler, S. and Theran, L
Reconstruction in one dimension from unlabeled Euclidean lengths. Preprint.

Connelly, R.
[see: Chen, B.]

---

8 A journal version has also been submitted.
**Conner, M., Michail, O. and Spirakis, P. G.**  

**Connor, S. B.**  
[see: Bate, M.]  
**Conway, J. H., Moscow, U. S. S. R. and Paterson, M. S.**  
[http://dx.doi.org/10.1080/00029890.2020.1712168](http://dx.doi.org/10.1080/00029890.2020.1712168)

**Conte, A.**  
[see: Alzamel, M.]  
**Cooley, O., Kang, M. and Pikhurko, O.**  
On a question of Vera T. Sós about size forcing of graphons. Preprint.  

**Cooper, C., Dyer, M. E. and Greenhill, C.**  
A triangle process on regular graphs. Preprint.  

**Cooper, F. and Manlove, D. F.**  
[https://doi.org/10.4230/LIPIcs.SEA.2020.20](https://doi.org/10.4230/LIPIcs.SEA.2020.20)  

**Cooper, J. W., Král’, D., Lamaison A. and Mohr, S.**  

**Cooper, J. W., Kabela, A., Král’, D. and Pierron, T.**  

**Cooper, J. W.**  
[see: Chan T. F. N.]

**Cooper, M. C.**  
[see: Cohen, D. A.]

**Cornejuls, G.**  
[see: Abdi, A.]

**Corsten, J., DeBiasio, L. and McKenney, P.**  
Density of monochromatic infinite subgraphs II. Preprint.  

**Corsten, J. and Mendonça, W.**  
Tiling edge-coloured graphs with few monochromatic bounded-degree graphs. Preprint.  

**Corsten, J., Mond, A., Pokrovskiy, A., Spiegel, C. and Szabó, T.**  

**Corsten, J.**  
[see: Bustamante, S.]

**Cox, S. R.**  
[see: Bastin, M. E.]

**Crane, E.**
Well-posedness of the mean field forest fire age evolution equation. Preprint.  

Crane, E., Rath, D. and Yeo, D.  
Age evolution in the mean field forest fire model via multitype branching processes.  
https://arxiv.org/pdf/1811.07981

Crawford, N.  
[see: Bauerschmidt, R.]  
Creech, S., Len, Y., Ritter, C., and Wu, D.  
https://doi.org/10.1093/imrn/rnaa207  

Crochemore, M., Iliopoulo, S. C., Radoszewski, J., Rytter, J., Strasznynski, J., Walen, T. and Zuba, W.  
Internal Quasiperiod Queries. SPIRE2020 60-75.  
https://doi.org/10.1007/978-3-030-59212-7_5  

Crochemore, M.  
[see: Badkobeh, G.]  
Cruickshank, J. and Jackson, B.  
Vertex Splitting, Coincident Realisations and Global Rigidity of Braced Triangulations*. Preprint.  

Cruickshank, J., Guler, H., Jacksno, B. and Nixon, A.  
https://doi.org/10.1093/imrn/rnaa157  

Cruickshank, J., Kastis, E., Kitson, D. and Schulze, B.  
Braced triangulations and rigidity with respect to non-Euclidean norms. Preprint.  
Cruickshank, J. and Schulze, B.  
Symmetric contact systems of segments, pseudotriangulations and inductive constructions for corresponding surface graphs. Preprint.  

Cryan, M. E., Guo, H. and Mousa, H.  
https://doi.org/10.1214/20-AOP1453  
https://arxiv.org/abs/1903.06081

Csába, B.  
[see: Balogh, J.]  
Cseh, A., Kraiczy, A. and Manlove, D. F.  
https://arxiv.org/pdf/2102.01361

Csóka, E. and Grabowski, Ł.  
On directed analogues of expander and hyperfinite graph sequences. Preprint.  

---

* Non-trivial modification of a single author paper by Bill Jackson in last year’s Bulletin.
Cucuringu, M., Li, H., Sun, H. and Zanetti, L.
Hermitian matrices for clustering directed graphs: insights and applications. AMSTATS2020

Cucuringu, M.
[see: Bazzi, M.]

Curien, N., Hutchcroft, T. and Nachmias, A.
https://arxiv.org/pdf/1710.03137

Cushing, D., Kamtue, S., Kangaslampi, R., Liu, S. and Peyerimhoff, N.
https://doi.org/10.1002/jgt.22630

Cushing, D., Kamtue, S., Kangaslampi, R., Liu, S. and Peyerimhoff, N.
https://arxiv.org/pdf/2102.08687

Cygan, J., Komosa, P., Lokshtanov, D., Pilipczuk, M., Pilipczuk, M., Saurabh, S. and Wahlström, M.
https://doi.org/10.1145/3426738
https://pure.royalholloway.ac.uk/portal/files/39141049/lean.pdf

Czumaj, A. and Davies, P.
http://wrap.warwick.ac.uk/88795/

Czumaj, A., Davies, P. and Parter, M.
Graph Sparsification for Derandomizing Massively Parallel Computation with Low Space. SPAA2020 175-185.
https://doi.org/10.1145/3350755.3400282

Czumaj, A., Davies, P. and Parter, M.
Simple Deterministic Constant Round Coloring in the Congested Clique. PODC2020 309-318.
https://doi.org/10.1145/3382734.3405751

Czumaj, A., Fichtenberger, H., Peng, P. and Sohler, C.
Testable Properties in General Graphs and Random Order Streaming. RANDOM2020
https://drops.dagstuhl.de/opus/volltexte/2020/12619/

Czumaj, A. and Konrad, C.
https://doi.org/10.1007/s00446-019-00368-w
https://arxiv.org/pdf/1807.01070

Czumaj, A., Kontogeorgiou, G. and Paterson, M. S.

Czumaj, A., Łacki, J., Madry, A., Mitrović, S., Onak, K. and Sankowski, P.

https://doi.org/10.1137/18M1197655
https://arxiv.org/pdf/1707.03478

Dąbrowski, K. K., Dross, F., Jeong, J., Kante, M. M., Kwon, O, Oum, S. and Paulusma, D.
Tree-pivot minors and linear rank-width. Preprint.

Dąbrowski, K. K., Feghali, C., Johnson, M., Paesani, G., Paulusma, D. and Rzążewski, P.
https://doi.org/10.1007/s00453-020-00706-6

Dąbrowski, K. K., Jonsson, P., Ordyniak, S. and Ostpov G.

Dąbrowski, K. K., Jonsson, P., Ordyniak, S. and Ostpov G.

Dąbrowski, K. K., Jonsson, P., Ordyniak, S. and Ostpov G.

Dąbrowski, K. K., Masařík T., Novotná, J., Paulusma, D. and Rzążewski, P.

Dąbrowski, K. K.
[see: Blanché, A., Bonamy, M.]

Dall’Agnol, M., Gur, T. and Lachish, O.

Damásdi, G., Felsner, S., Girão, A., Keszegh, B., Lewis, D., Nágy, D. T. and Ueckerdt, T.

https://doi.org/10.1016/j.dam.2020.09.003
https://arxiv.org/pdf/1903.08383

Dankovics, A.
Low independence number and Hamiltonicity implies pancyclicity. *J. Graph Theory* 95 (2020) 181-191.
https://doi.org/10.1002/jgt.22553
https://arxiv.org/pdf/1809.07736

Danon, O.
[see: Aigner-Horev, E.]

Dantchev, S., Ghani, A. and Martin, B.
Sherali-Adams and the binary encoding of combinatorial principles. LATIN2021.
Dantchev, S., Galesi, N., Ghani, A. and Martin, B.
Proof complexity and the binary encoding of combinatorial principles. Preprint.

Dark, J. and Konrad, C.
Optimal Lower Bounds for Matching and Vertex Cover in Dynamic Graph Streams. CCC2020 30:1-30:14
https://doi.org/10.4230/LIPIcs.CCC.2020.30

Das, S., Morris, P. and Treglown, A.
https://doi.org/10.1002/rsa.20971

Das, S., Pokrovskiy, A. and Sudakov, B.

Das, S. and Treglown, A.
https://doi.org/10.1017/S0963548320000231
http://web.mat.bham.ac.uk/~tregloac/pert_ram_finalAT2.pdf

Das, S.
[see: Conlon, D.]

Daviaud, L., Jurdzinski, M. and Thejaswini, K. S.
The Strahler Number of a Parity Game. ICALP2020 123:1-123:19.
https://doi.org/10.4230/LIPIcs.ICALP.2020.123

Davies, E., Jenssen, M. and Perkins, W.

Davies, P.
[see: Czumaj, A.]

Dawes, J.
[see: Briggs, K.]

Day, A. N., Falgas-Ravry, V. and Treglown, A.

Daykin, J. W., Köppl, D. Kübel, D., and Stober, F.
http://www.stringology.org/cgi-bin/getfile.cgi?t=pdf&cc=-&y=2020&n=09

Daykin, J. W.
[see: Clare, A.]

De Ambroggio, U.
An elementary approach to component sizes in some critical random graphs. Preprint.

De Ambroggio, U. and Pachon, A.
Simple upper bounds for the largest components in critical inhomogeneous random graphs. Preprint.

De Ambroggio., U., Polito, F. and Sacerdote, L.
https://doi.org/10.1016/j.physd.2020.132689

De Ambroggio., U. and Roberts, M. I.

Deb, B.
[see: Chen, X.]

DeBiasio, L., Lo, A., Molla, T. and Treglown, A.

DeBiasio, L, Kamel, Y., .McCourt, G. and Sheats, H.
Generalizations and strengthenings of Ryser’s conjecture. Preprint.

DeBiasio, L.
[see: Corsten, J.]

Defrain, O.
[see: Bonamy, M.]

Delcourt, M., Heinrich, M. and Perarnau, G.
https://doi.org/10.1002/rsa.20960
https://arxiv.org/pdf/1812.05577

Deligkas, A., Fearney, J. and Savani, R.
Tree Polymatrix Games are PPAD-hard. ICALP2020 38:1-38:14
https://doi.org/10.4230/LIPIcs.ICALP.2020.38

Deligkas, A., Mertzios, G. B., Spirakis, P. G. and Zamaraev, V.

Deligkas, A. and Potapov, I.

Deligkas, A.
[see: Adamson, D., Akrida, E. C.]

Delgado, P.
[see: Andersson, T.]

Delorme, M., Garcia, S., Gondzio, J., Kalesics, J., Manlove, D. F. and Pettersson, W.
Delorme, M., Garcia, S., Gondzio, J., Kalcsics, J., Manlove, D. F. and Pettersson, W.
https://doi.org/10.1016/j.cor.2020.105128
http://www.optimization-online.org/DB_FILE/2020/03/7697.pdf

Delorme, M., Garcia, S., Gondzio, J., Kalcsics, J., Manlove, D. F. and Pettersson, W.

Demaine, E. D.
[see: Akitaya, H. A.]
DeMeo, W., Mayr, P. and Ruškuc, N.
https://doi.org/10.1142/S0218196720500174
https://arxiv.org/pdf/1907.08046

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

Demirkale, F., Donovan, D. M. and Grannell, M. J.
Anti-Pasch optimal coverings with triples. *J. Comb. Des.* **29** (2021) 84-113,
https://doi.org/10.1002/jcd.21758

Denzumi, S.,
[see: Alzamel, M.]

Dettmann, C. P., Ganesh, A. and Wilsher, M.
https://doi.org/10.1103/PhysRevE.102.062312

Devillers, A.
[see: Bamberg J.]
Devriendt, K.
Effective resistance is more than distance: Laplacians, Simplices and the Schur complement. Preprint.

Devriendt, K., Homs-Dones, M. and Lambiotte, R.
https://doi.org/10.1007/s00332-020-09674-1

Devriendt, K., Martin-Gutierrez, S. and Lambiotte, R.
Variance and covariance of distributions on graphs. Preprint.

Devriendt, K., van Mieghem, P. and Prasse, B.
https://arxiv.org/pdf/2102.13151

Dewar, S.
Homothetic packings of centrally symmetric convex bodies. Preprint.  

Dewar, S., Kitson, D. and Nixon, A.  
Which graphs are rigid in \( f_p^d \)? Preprint.  

Diaz, A. E. and Girao, A.  
Hamiltonicity of graphs perturbed by a random regular graph. Preprint.  
https://arxiv.org/pdf/2101.06689

Diaz, A. E.  
[see: Condon, P.]

Diaz, J., McDiarmid, C. J. H. and Mitsche, D.  
https://doi.org/10.1002/rsa.20922

Dibek, C.  
[see: Abrishimi, T.]

Diekert, V., Potapov, I. and Semukhin, P.  
Decidability of membership problems for flat rational subsets of \( GL(2,\mathbb{Q}) \) and singular matrices. ISSAC2020 122-129.  
https://doi.org/10.1145/3373207.3404038

Doan, X. V.  
[see: Chen, B.]

Doležal, M., Grebík, J., Hladký, J., Rocha, I. and Rozhoň, V.  
https://doi.org/10.1016/j.jctb.2020.04.003

Donovan, D. M., Grannell, M. J. and Şule Yazici, E.  
https://dx.doi.org/10.14712/1213-7243.2021.003

Donovan, D. M.  
[see: Demirkale, F.]

Dougherty, S., Gildea, J. and Kaya, A.  
https://doi.org/10.1016/j.ffa.2020.101692

Dougherty, S., Gildea, J., Kaya, A. and Korban, A.  
https://doi.org/10.1504/IJICOT.2020.110703

Dougherty, S., Gildea, J., Kaya, A. and Yildiz, B.  
https://doi.org/10.3934/amc.2020002

Dougherty, S., Korban, A. Sahinkaya, S. and Ustun, D.  
Group Matrix Ring Codes and Constructions of Self-Dual Codes. Preprint.
Draganić, N., Dross, F., Fox, J., Girão, A., Havet, F., Korándi, D., Lochet, W., Munha Correia, D., Scott, A. D. and Sudakov, B.


Drápal, A., Griggs, T. S. and Kozlík, A.


https://doi.org/10.1002/jcd.21708

Drápal, A., Griggs, T. S. and Kozlík, A.

Quadratical quasigroups and Mendelsohn designs. Preprint.

Dross, F.

[see: Dąbrowski, K. K., Draganić, N.]

Drummond, G., Fife, T., Grace, K. and Oxley, J. G.


https://doi.org/10.37236/9314

Du, D., Gutin, G., Ming, Q., Sun, J. and Zhang, X.


https://doi.org/10.1007/978-3-030-58150-3_38

Dunning, T. C.

[see: Bonneux, N.]

Durbac, C.

[see: Chellig, J.]

Durr, C., Erlebach, T., Megow, N. and Meißner, J.

An Adversarial Model for Scheduling with Testing. Algorithmica 82 (2020) 3630-3675

http://doi.org/10.1007/s00453-020-00742-2
https://arxiv.org/pdf/1709.02592

Dvořák, V.


https://arxiv.org/pdf/2103.00066

Dvořák, V.

A Note on Restricted Online Ramsey Numbers of Matchings. Preprint.


Dvořák, V.

$P_n$-induced-saturated graphs exist for all $n \geq 6$. Electron J. Comb. 27 (2020) P4.43

https://doi.org/10.37236/9579

Dvořák, V.

A Note on Norine's Antipodal-Colouring Conjecture. Electron J. Comb. 27 (2020) P2.26

https://doi.org/10.37236/9219

Dvořák, V., Herrman, R. and van Hintum, P.


https://doi.org/10.1016/j.ejc.2021.103324
Dvořák, V., van Hintum, P., Shaw, A. and Tiba, M.
Radius, Girth and Minimum Degree. Preprint.

Dvořák, V., van Hintum, P. and Tiba, M.
https://doi.org/10.1137/20M133988X

Dvořák, V. and Klein, O.
https://arxiv.org/pdf/2104.10005

Dvořák, Z., Hebdige, M. Hlásek, F., Král’, D. and Noel, J. A.
https://doi.org/10.1016/j.ejc.2020.103287
https://arxiv.org/pdf/1603.06722

Dvořák, Z., Král’, D. and Thomas, R.
https://arxiv.org/pdf/1404.6356

Dvořák, Z., Král’, D. and Thomas, R.
Three-coloring triangle-free graphs on surfaces V. Coloring planar graph with distant anomalies. *J. Comb. Theory Ser. B.*, to appear
https://arxiv.org/pdf/0911.0885

Dvořák, Z., Král’, D. and Thomas, R.
https://doi.org/10.1016/j.jctb.2020.06.005
https://arxiv.org/pdf/1402.4710

Bounding the number of cycles in a graph in terms of its degree sequence. *Eur. J. Comb.* **91** (2021) 103206
https://doi.org/10.1016/j.ejc.2020.103206
https://arxiv.org/pdf/1907.12091

Dworczak, P.
[see: Andersson, T.]

Dyachenko, A.
[see: Chen, X.]

https://doi.org/10.1145/3382208

Dyer, M. E., Greenhill, C. S., Kleer, P. Roos, J. and Stougie, L.
Sampling hypergraphs with given degrees. Preprint.

Dyer, M. E., Greenhill, C. S. and Müller, H.

Dyer, M. E., Heinrich, M., Jerrum, M. R. and Müller, H.
Polynomial-time approximation algorithms for the antiferromagnetic Ising model on line graphs. Preprint.

Dyer, M. E.
[see: Cai, J.-Y., Cooper , C.]

East, J. and Ruškuc, N.

East, J. and Ruškuc, N.
Classification of congruences of twisted partition monoids. Preprint.

East, J. and Ruškuc, N.

Eberhard, S.
The characteristic polynomial of a random matrix. Preprint.

Eberhard, S. and Garzoni, D.

Eberhard, S. and Varjú, P. P.

Eberhard, S., Kahn, J., Narayanan, B. and Spirkl, S.

Eberhard, S. and Virchow, S.-C.
https://doi.org/10.1137/17M1127144
https://arxiv.org/pdf/1604.01422

**Ehard, S., Glock, S. and Joos, F.**
A rainbow blow-up lemma for almost optimally bounded edge-colourings. *Forum Math. Sigma* **8** (2020) e37
https://doi.org/10.1017/fms.2020.38
https://arxiv.org/pdf/1907.09950

**Ehard, S., Glock, S. and Joos, F.**
https://doi.org/10.1017/S0963548320000280
https://arxiv.org/pdf/1907.09946

**Eiben, E.**
[see: Bang-Jensen, J.]

**Elek, G.**

Elek, G.
Planarity is (almost) locally checkable in constant-time. Preprint.

Elek, G.
https://arxiv.org/pdf/1912.00806

**Elfers, J., Gocht, S., McCreesh, C. and Nordström, J.**
Justifying All Differences Using Pseudo-Boolean Reasoning. AAAI 2020 1486-1494

**Elliott, A.**
[see: Bazzi, M.]

**Ellis, D.**
Note: Union-closed families with small average overlap densities. Preprint

Ellis, D.
[see: Aaronson, J., Benjamini, I.]

**Élsässer, R.**
[see: Berenbrink, P.]

**Elsener, A. G.**
[see: Baur, K.]

**Elvey Price, A. and Sokal, A. D.**
https://doi.org/10.37236/9571

Elvey Price, A.
[see: Bevan, D.]

**Englert, M., Räcke, H. and Stotz, R.**
https://doi.org/10.1109/FOCS.2019.00012

\(^{10}\) This finalised form of the reference should have been included last year, apologies.
Enright, J., Meeks, K., Mertzios, G. B. and Zamaraev, V.
https://doi.org/10.1016/j.jcss.2021.01.007

Enright, J., Meeks, K. and Ryan, J.
Two dichotomies for model-checking in multi-layer structures. Preprint.**11**

Enright, J., Meeks, K. and Skerman, F.
https://doi.org/10.1016/j.jcss.2020.08.001
https://arxiv.org/pdf/1802.05905

Enright, J.
[see: Barnetson, K. D.]

Enyang, J.
[see: Bowman, C. D.]

Erde, J..
[see: Barber, B.]

Erdem, S., Fidan, M., Manlove, D. F. and Prosser, P.
http://dx.doi.org/10.1017/S1471068420000277

Ergemlidze, B., Győri, E. and Methuku, A.
The exact linear Turán number of the Sail. Preprint.

Ergemlidze, B., Győri, E., Methuku, A., Salia, N. and Tompkins, C.
On 3-uniform hypergraphs avoiding a cycle of length 4. Preprint.

Ergemlidze, B., Győri, E., Methuku, A., Salia, N., Tompkins, C. and Zamora, O.
https://doi.org/10.1017/S0963548319000415
https://arxiv.org/pdf/1808.07687

Ergemlidze, B., Jiang, T. and Methuku, A.
https://doi.org/10.1016/j.jcta.2020.105299

Ergemlidze, B., Methuku, A., Tate, M. and Timmons, C.
Minimizing the number of complete bipartite graphs in a $K_s$ -saturated graph. Preprint.

Erlebach, T., Hoffmann, M. and Santos de Lima, M.
https://doi.org/10.4230/LIPIcs.STACS.2021.27

---

**11** Substantial revision of an earlier version.
Erlebach, T., and Spooner, J. T. 
https://doi.org/10.1007/978-3-030-54921-3_8

Erlebach, T. 
[see: Bar-Noy, A., Carvalho, I. A., Durr, C.]

Erskine, G., Fratrič, P. and Širáň, J. 
Graphs derived from perfect difference sets, Australas. J. Comb.. 80 (2021) 48--56. 

Erskine, G., Griggs, T. S. and Širáň, J. 

Erskine, G., Salia, N. and Tuite., J. 
Turán problems for k-geodetic digraphs. Preprint.
https://arxiv.org/pdf/2102.04957

Erskine, G. and Tuite., J. 
On networks with order close to the Moore bound. Preprint.

Escobar, L., Fink, A., Rajchgot. J. and Woo,. A. 
https://arxiv.org/pdf/2104.09589

Escudero, J. and Smith, K. M. 
https://doi.org/10.1007/s41109-020-00273-3

Escudero,. J. 
[see: Bastin, M. E.]

Eslava, L., Pennington, S. and Skerman, F. 
A branching process with deletions and mergers that matches the threshold for hypercube percolation. Preprint. 

Esperet, L. 
[see: Bonamy, M.]

Etzion, T. 
[see: Blackburn, S. R.]

Evans, D. M., Hubička, J., Konečný. M. and Li, Y. 
https://arxiv.org/pdf/1907.13204

Evans, D. M., Hubička, J. and Nešetřil, J. 
http://dx.doi.org/10.4064/fm560-8-2020
https://arxiv.org/pdf/1705.02379

Even-Zohar, C. 

Even-Zohar, C. 
Patterns in random permutations. Combinatorica 40 (2020) 775–804 
https://doi.org/10.1007/s00493-020-4212-z
Even-Zohar, C. and Farber, M.

Even-Zohar, C., Farber, M. and Mead, L.

Even-Zohar, C., Lakrec, T. and Tessler, R. J.

Even-Zohar, C. and Leng, C.
Counting Small Permutation Patterns. SODA2021 2288-2302.
https://doi.org/10.1137/1.9781611976465.136

Faber, E.
[see: August, J., Baur, K., Buchweitz, R.-O.]

Fahey, P.
[see: Adler, I.]

Falcón, R. M., Johnson, L. and Perkins, S.
https://doi.org/10.3934/math.2021017
https://pure.southwales.ac.uk/files/4286810/math_06_01_017.pdf

Falconer, K. J., Kováč, V. and Yavicoli, A.
The density of sets containing large similar copies of finite sets. Preprint.

Falgas-Ravry, V., Markström, K., Treglown, A. and Zhao, Y.
https://doi.org/10.1002/rsa.20952

Falgas-Ravry, V.
[see: Day, A. N.]

Fallat, S., Johnson, C. R. and Sokal, A. D.

Farber, M. and Nowik, T.

Farber, M.
[see: Even-Zohar, C.]

Fawcett, J. B.
[see: Bamberg, J.]

Fayers, M.
Minimal partitions with a given s-core and t-core. Preprint.

Fayers, M.
Irreducible projective representations of the alternating group which remain
https://doi.org/10.1016/j.aim.2020.107340

**Fayers, M.**
https://doi.org/10.1016/j.disc.2020.111988
https://arxiv.org/pdf/1809.07574

**Fearneley, J.**
https://arxiv.org/pdf/1705.02313

**Fearneley, J., Gordon, S., Mehta, R. and Savani, R.**
https://doi.org/10.1016/j.jcss.2020.05.007

**Fearneley, J., Ibsen-Jensen, R. and Savani, R.**
One-Clock Priced Timed Games are PSPACE-hard. LICS20 397-409.
https://doi.org/10.1145/3373718.3394772

**Fearneley, J.**
[see: Deligkas, A.]

**Feghali, C.**
[see: Dąbrowski, K. K]

**Felikson, A., Lawson, J. W., Shapiro, M. and Tumarkin, P.**

**Felsner, S.**
[see: Damásdi, G.]

**Feng, W., Guo, H., Yin, Y. and Zhang, C.**
Fast sampling and counting k-SAT solutions in the local lemma regime. STOC2020.
https://arxiv.org/pdf/1911.01319

**Feng, W., Guo, H., Yin, Y. and Zhang C.**
Rapid mixing from spectral independence beyond the Boolean domain. SODA2021. 1558-1577.
https://doi.org/10.1137/1.9781611976465.95

**Fenner, T. I.**
[see: Brown, P.]

**Fennessey, E. and Larcombe, P. J.**

**Fennessey, E. and Larcombe, P. J.**

**Fennessey, E. and Larcombe, P. J.**
A Short Graph-Theoretic Proof of the 2 x 2 Matrix Anti-Diagonals Ratio Invariance With Exponentiation, *Palestine J. Math.* **10** (2021) 102-103
Fennessey, E. and Larcombe, P. J.

Benchmarking network-based gene prioritization methods for cerebral small vessel disease. *Briefings in Bioinformatics*  
https://doi.org/10.1093/bib/bbab006  

Fernandez, I. G., Kim, J., Kim, Y. and Liu, H.
Nested cycles with no geometric crossings. Preprint.  
https://arxiv.org/pdf/2104.04810

Ferrari, L.
[see: Bernini, A., Cerbai, M.]
Fichtenberger, H.
[see: Czumaj, A.]
Fidan, M.
[see: Erdem, S.]
Fife, T.
[see: Brettell, N., Drummond, G.]
Fink, A.
[see: Escobar, L.]
Fischer, I. and Saikia, M. P.
https://doi.org/10.1016/j.jcta.2020.105350  

Focke, J., Goldberg, L. A. and Živný, S.
https://arxiv.org/pdf/1907.02319

Focke, J., Goldberg, L. A. and Živný, S.
https://doi.org/10.1145/3397472  

Focke, J., Goldberg, L. A., Roth, M. and Živný, S.
Counting Homomorphisms to \(K_4\)-minor-free Graphs, modulo 2. SODA 2021 2303-2314.  
https://doi.org/10.1137/1.9781611976465.137  

Foley, A. M. and King, R. C.
https://doi.org/10.1016/j.ejc.2020.103271  

Foley, A. M. and King, R. C.
Factorial supersymmetric skew Schur functions and ninth variation determinantal identities. Preprint.

Fomin, F., Golovach, P. A., Misra, P. and Ramanujan, M. S.
https://doi.org/10.4230/LIPIcs.ESA.2020.50

Forbes, A. D.
Group divisible designs with block size four and type $g^u b^1(gu/2)^1$. Graphs. Comb. 36 (2020) 1687–1703
https://doi.org/10.1007/s00373-020-02213-5

Forbes, A. D.
Pentagonal geometries with block sizes 3, 4 and 5. Preprint.

Forbes, A. D., Griggs, T. S. and Stokes, K.
Existence results for pentagonal geometries. Preprint

Forbes, A. D. and Rutherford, C. G.
https://arxiv.org/pdf/2104.02760

Fountoulakis, N., van der Hoorn, W. L. F., Müller, T. and Schepers, M.
http://dx.doi.org/10.1214/21-EJP583
http://www.math.rug.nl/~tobias/Papers/clustering.pdf

Fountoulakis, N. and Iyer, T.
https://arxiv.org/pdf/2101.02734

Fountoulakis, N. Kang, M. and Makai, T.
https://doi.org/10.1002/rsa.20970

Fountoulakis, N., Mitsche, D., Müller, T. and Schepers, M.
https://doi.org/10.1016/j.spa.2020.09.012

Fountoulakis, N. and Przykucki, M. J.

Fountoulakis, N.
[see: Chellig. J.]

Fowler, P. W.
[see: Anstöter, C. S.]

Fox, J.
[see: Chudnovsky, M., Draganić, N]

Fradelizi, M.
Frankl, N.
Large equilateral sets in subspaces of $\ell_\infty^n$ of small codimension. Preprint.

Frankl, N., Hubai, T. and Pálvölgyi, D.
Almost-monochromatic sets and the chromatic number of the plane. SOCG20. 47:1-47:15.
https://doi.org/10.4230/LIPIcs.SoCG.2020.47

Frankl, N., Kiselev, S., Kupavskii, A. and Patkós, B.
VC-saturated set systems. Preprint.

Frankl, N. and Kupavskii, A.
Almost sharp bounds on the number of discrete chains in the plane. SOCG20 48:1-48:15
https://doi.org/10.4230/LIPIcs.SoCG.2020.48

Fraser, J. M. and Yu, H.

Freedman, S.
The intersection graph of a finite simple group has diameter at most 5. Preprint.

Freeman, N. and Jordan, J.
Extensive condensation in a model of preferential attachment with fitness. Electron J. Probab. 25 (2020), paper no. 68
https://dx.doi.org/10.1214/20-EJP462
https://projecteuclid.org/download/pdfview_1/euclid.ejp/1592964036

Freitas, A.C., Freitas, J.M, and Todd, M.
Enriched functional limit theorems for dynamical systems. Preprint

Freitas, J.M.
[see: Freitas, A.C.]

Freschi, A., Hyde, J., Lada, J. and Treglown, A.

Freschi, A., Hyde, J., Lada, J. and Treglown, A.
https://doi.org/10.37236/9152

https://arxiv.org/pdf/2102.08432

https://arxiv.org/pdf/2104.04403

https://doi.org/10.1007/978-3-030-61588-8_11

Bent Functions from Cellular Automata. Preprint.

Dating solutions to random CNF formulas. ICALP2020 53:1-53:14
https://doi.org/10.4230/LIPIcs.ICALP.2020.53
https://arxiv.org/pdf/1911.07020

The complexity of approximating the complex-valued Potts model. MFCS2020 36:1-36:14
https://doi.org/10.4230/LIPIcs.MFCS.2020.36

https://doi.org/10.4230/LIPIcs.MFCS.2020.37
https://doi.org/10.1016/j.jcss.2020.08.003
https://arxiv.org/pdf/1610.04055
Galasis, A.
[see: Bezakova, I., Buys, P.. Chen, Z., Dyer, M. E.]
Galby, E. and Munaro, A.
Approximating Independent Set and Dominating Set on VPG graphs. Preprint.
Galby, E.
[see: Champseio, N.]
Galdi, P.
[see: Bastin, M. E.]
Galesi, N.
[see: Dantchev, S.]
Gandhi, R., Halldórsson, M. M., Konrad, C., Kortsasz G. and Oh, H.
https://doi.org/10.1016/j.tcs.2020.07.032
Ganesh, A.
[see: Dettmann, C. P.]
Garbe, F., Hladký, J. and Lee, J.
Garcia, S.
[see: Delorme, M.]
Graph pseudometrics from a topological point of view. Preprint.
Garzoni, D. and Gill, N.
Large minimal invariable generating sets in the finite symmetric groups. Preprint.
Garzoni, D. and Gill, N.
On the number of conjugacy classes of a primitive permutation group with nonabelian socle. Preprint.
Gąsieniec, L., di Giacomo E, Liotta G. and Navarra, A.
https://doi.org/10.1016/j.tcs.2020.09.027
Gąsieniec, L., Stachowiak, G. and Uznanski, P.
Gawrychowski, P.
[see: Badkobeh, G. Charalampopoulos, P.]
Gebhard, O., Hahn-Klimroth, M. Parczyk, O.. Penschuck, M.. Rolvien, M.
Scarlett. J. and Tan, N.
Near optimal sparsity-constrained group testing: improved bounds and algorithms. Preprint.
Geiss, M., Hellmuth, M., Schaller, D. and Stadler, P. F.
https://arxiv.org/pdf/2101.07000
Geiss, M., Hellmuth, M., Schaller, D. and Stadler, P. F.

Geiss, M., Hellmuth, M., Schaller, D. and Stadler, P. F.
Complete Characterization of Incorrect Orthology Assignments in Best Match Graphs.

Geiss, M., Hellmuth, M. and Stadler, P. F.
https://doi.org/10.1016/j.tcs.2019.12.033
https://arxiv.org/pdf/1907.08865

Genitrini, A.
[see: Bodini, O.]

**Georgakopoulos, A.**
https://doi.org/10.1090/tran/8026

**Georgakopoulos, A., Hamann, M. and Wendland, A.**

**Georgakopoulos, A. and Haslegrave, J.**
https://doi.org/10.1017/S096354832000005X
https://arxiv.org/pdf/1703.09011

**Georgakopoulos, A., Haslegrave, J., Montgomery, R. H. and Narayanan, B. P.**

**Georgakopoulos, A., Haslegrave, J., Sauerwald, T. and Sylvester, J.**
The Power of Two Choices for Random Walks. ITCS2020. [12]
https://arxiv.org/pdf/1911.05170

**Georgakopoulos, A. and Lehner, F.**
Invariant spanning double rays in amenable groups. *Discrete Math.* **344** (2021) 112207
https://doi.org/10.1016/j.disc.2020.112207

**Georgakopoulos, A. and Panagiotis, C.**

**Georgakopoulos, A. and Panagiotis, C.**
Convergence of square tilings to the Riemann map. Preprint.

**Georgakopoulos, A. and Panagiotis, C.**
On the exponential growth rates of lattice animals and interfaces, and new bounds on

[12] A journal version has also been submitted.
[13] This contains the paper with the title “Analyticity of the percolation density $\theta$ in all dimensions” described as a preprint in last year’s Bulletin.
Georgakopoulos, A. [see: Carmesin, J.]
Gerbner, D., Győri, E., Methuku, A. and Vizer, M.
https://doi.org/10.1016/j.jctb.2020.05.005

Gerbner, D., Methuku, A. Nagy, D. T., Pálvölgyi, D., Tardos, G. and Vizer, M.

Gerke, S. [see: Ai, J.]
Ghaderi, S. [see: Bowler, N.]
Ghani, A. [see: Dantchev, S.]
di Giacomo E. [see: Gąsieniec, L.]

Giakouppis, G., Sanbekyan, H. and Sauerwald, T.
https://doi.org/10.4230/LIPIcs.DISC.2020.9

Giannelli, E. and Law, S.
https://doi.org/10.1112/jlms.12389

Giannelli, E., Law, S. and Long, J.
Linear characters of Sylow subgroups of symmetric groups, Preprint.

Giannelli, E., Law, S., Long, J. and Vallejo, C.
https://arxiv.org/pdf/2102.06784

https://doi.org/10.1137/18M1228839
https://arxiv.org/pdf/1609.07780

Gilbert, S., Pandurangan, G., Robinson, P. and Trehan, A.
https://doi.org/10.1145/3382734.3405716

Gildea, J., Hamilton, H., Kaya, A. and Yildiz, B.
https://doi.org/10.1016/j.ipl.2020.105927

Gildea, J., Kaya, A., Korban, A. and Tylyshchak, A.
https://doi.org/10.1016/j.disc.2020.112085

Gildea, J., Kaya, A., Korban, A. and Yildiz, B.
New extremal binary self-dual codes of length 68 from generalized neighbors. Finite Fields Appl. 67 (2020) 101727
https://doi.org/10.1016/j.ffa.2020.101727

Gildea, J., Kaya, A., Taylor, R. and Tylyshchak, A.
https://doi.org/10.1007/s12095-019-00420-3

Gildea, J., Korban, A. and Roberts, A. M.
New binary self-dual codes of lengths 56, 58, 64, 80 and 92 from a modification of the four circulant construction. Preprint.
https://arxiv.org/pdf/2102.10354

Gildea, J.
[see: Dougherty, S.]

Gill, N. and Lodá, B.
Statistics for \( S_n \) acting on \( k \)-sets. Preprint.
https://arxiv.org/pdf/2101.08644

Gill, N., Lodá, B. and Spiga, P.
On the height and relational complexity of a finite permutation group. Preprint.

Gill, N., Ngawva, K. A. and Short, I.
Nilpotent covers of symmetric groups. Preprint.

Gill, N. and Spiga, P.
https://arxiv.org/pdf/1610.01792

Gill, N.
[see: Garzoni, D.]

Gilmore, T.
[see: Chen, X.]

Girão, A.

Girão, A., Granet, B., Kühn, D., Lo, A. and Osthus, D.
Path decompositions of tournaments. Preprint.

Girão, A., Granet, B., Kühn, D. and Osthus, D.
https://arxiv.org/pdf/1911.05501

Girão, A., Lewis, D. and Popielarz, K.  
Rainbow saturation of graphs. *J. Graph Theory* **94** (2020) 421 - 444  
https://doi.org/10.1002/jgt.22532  

Girão, A. and Narayanan, B.  
https://sites.math.rutgers.edu/~narayanan/pdf/kappa_chi.pdf

Girão, A., Popielarz, K. and Snyder, R.  
(2k+1)-connected tournaments with large minimum out-degree are k-linked. *Combinatorica*, to appear.  

Girão, A., Popielarz, K. and Snyder, R.  
https://doi.org/10.1016/j.jctb.2020.09.006  

Girão, A. and Narayanan, B. P.  
https://arxiv.org/pdf/1907.00964

Girão, A. and Narayanan, B. P.  

Girão, A., Popielarz, K. and Snyder, R.  
(2k+1)-connected tournaments with large minimum out-degree are k-linked. Preprint.  

Girão, A., Popielarz, K. and Snyder, R.  
https://arxiv.org/pdf/1908.03733

Girão, A.  
[see: Axenovich, M., Condon, P., Damásdi, G., Diaz, A. E., Draganić, N.]  
Giudici, M.  
[see: Bailey, R. A.]  
Gkatzelis, V.  
[see: Christodoulou, G.]

Glasby, S. P., Pierro, E. and Praeger, C. E.  
Point-primitive generalised hexagons and octagons and projective linear groups. Preprint.  

Glock, S., Gould, S., Joos, F., Kühn, D. and Osthus, D.  
https://arxiv.org/pdf/1911.08887

Glock, S. and Joos, F.  
https://doi.org/10.1002/rsa.20907

---

14 As the arxiv abstract implies this paper has a somewhat unusual prehistory, but it seemed overall appropriate to include it on a precautionary basis as it has not been included before.
Glock, S., Joos, F., Kim, J., Kühn, D. and Osthus, D.
https://arxiv.org/pdf/1806.04644

Glock, S., Joos, F., Kühn, D. and Osthus, D.
https://doi.org/10.1007/s00493-020-4046-8
https://arxiv.org/pdf/1808.07720

Glock, S., Kühn, D., Lo, A., and Osthus, D.
https://doi.org/10.1007/s00493-019-4084-2

Glock, S., Kühn, D., Montgomery, R. and Osthus, D.
https://doi.org/10.1016/j.jctb.2020.03.002
https://arxiv.org/pdf/1903.04262

Glock, S., Kühn, D. and Osthus, D.

Glock, S.
[see: Barber, B., Ehard, S.]

Goaoc, X.
[see: Bárány, I.]

Gocht, S., McBride, R., McCreesh, C., Nordström J., Prosser, P. and Trimble, J.
https://doi.org/10.1007/978-3-030-58475-7_20

Gocht, S., McCreesh, C. and Nordström J.
https://doi.org/10.24963/ijcai.2020/158

Gocht, S.
[see: Elfers J.]

Goldberg, L. A., Jorritsma, J., Komjáthy, J. and Lapinskas, J.
Increasing efficacy of contact-tracing applications by user referrals and stricter quarantining. Preprint.
https://www.medrxiv.org/content/10.1101/2020.11.30.20240796v1

Goldberg, L. A., Lapinskas, J. and Richerby, D.

Goldberg, L. A.
[see: Bezakova, I., Chen, Z., Dyer, M. E. Focke, J., Galanis, A.]

Goldberg, P. W., Hollender, A. and Suksompong, W.
Contiguous Cake Cutting: Hardness Results and Approximation Algorithms.*J. Artificial Intelligence Research* 65 (2020)
Goldschmidt, C., Griffiths, S. and Scott, A. D.
https://arxiv.org/pdf/1902.06830

Goldschmidt, C.
[see: Chen, Q.]

Golovach, P. A., van Leeuwen, E. J. and Paulusma, D.
Induced Disjoint Paths in AT-free Graphs. Preprint. 15

Golovach, P. A.
[see: Brause, C., Fomin, F.]

Gondzio, J.
[see: Delorme, M.]

Gordon, S.
[see: Fearnley, J.]

Gortler, S., Holmes-Cerfon, M. and Theran, |L.

Gortler, S. J.
[see: Connelly, R.]

Gould, S. and Kelly T.
https://arxiv.org/pdf/2104.12718

Gould, S., Kelly T., Kühn, D. and Osthus, D.
Almost all optimally coloured complete graphs contain a rainbow Hamilton path/
Preprint.

Gould, S.
[see: Glock, S]

Gouliko, O.
[see: Chistikov, D.]


Govc, D., and Smith, J. P.

Govorov, A.
[see: Cai, J.-Y.]

Gowers, W. T.
https://doi.org/10.1007/s10474-020-01072-z

Gowers, W. T. and Janzer, B.

---

15 This is a journal version of a much older conference paper.

**Gowers, W. T. and Long, J.**
[https://doi.org/10.1007/s00039-020-00553-1](https://doi.org/10.1007/s00039-020-00553-1)

**Gowers, W. T. and Miličević, L.**
[https://doi.org/10.1090/proc/15129](https://doi.org/10.1090/proc/15129)

**Grabowski, Ł., Mathé, A. and Pikhurko, O.**

**Grabowski, Ł.**
[see: Cieśla, T., Csóka, E.]

**Grace, K.**
[see: Clarke, O., Drummond, G.]

**Gramain, J.-B., Nath, R. and Sellers, J. A.**
[https://doi.org/10.1007/s11139-020-00289-4](https://doi.org/10.1007/s11139-020-00289-4)

**Gramain, J.-B.**
[see: Brunat, O.]

**Grandoni, F.**
[see: Bhattacharya, S.]

**Granet, B.**
[see: Girão, A.]

**Grannell, M. J., Griggs, T. S. Lofaro, G. and Tripodi, A.**
Avoidance in bowtie systems. Preprint.

**Grannell, M. J.**
[see: Demirkale, F., Donovan, D. M.]

**Granville, A. and Shakan, G.**
[https://doi.org/10.1007/s10474-020-01073-y](https://doi.org/10.1007/s10474-020-01073-y)

**Granville, A. and Walker, A.**
A tight structure theorem for sumsets. Preprint.

**Gratz, S.**
[see: August, J., Baur, K.]

**Gray., R. D. and Ruškuc., N.**
On groups of units of special and one-relator inverse monoids. Preprint.

**Grbić, J., Ilyasova, M., Panov, T. and Simmons, G.**


Grbić, J. and Linton, A.

https://arxiv.org/pdf/1908.02222

Grebik, J. and Pikhurko, O.
https://doi.org/10.1016/j.aim.2020.107378

Grebik, J. and Pikhurko, O.
Large Deviation Principles for Block and Step Graphon Random Graph Models. Preprint.
https://arxiv.org/pdf/2101.07025

Grebik, J. and Rocha, I.

Grebik, J. and Rozhoň, V.
Of toasts and tails. Preprint.
https://arxiv.org/pdf/2103.08394

Grebik, J. and Rozhoň, V.
Classification of Local Problems on Paths from the Perspective of Descriptive Combinatorics. Preprint.

Grebik, J.
[see: Conley, C. T., Doležal, M]

Green, B. J.
https://doi.org/10.1112/blms.12388
https://arxiv.org/pdf/1911.11866

Green, B. J.
New lower bounds for van der Waerden numbers. Preprint.
https://arxiv.org/pdf/2102.01543

Green, B. J.
Lower bounds for corner-free sets. Preprint.

Green, B. J. and Walker, A.

Green, H. and Liebeck, M. W.
Some codes in symmetric and linear groups. *Discrete Math.* 343 (2020) 111719
https://doi.org/10.1016/j.disc.2019.111719

Greenhill, C. S.
[see: Cooper C., Dyer, M. E.]

Greenman, C. Penso-Dolfin, L. and Wu, T.
https://doi.org/10.1016/j.jtbi.2020.110335

Gregor, P., Mička, O. and Mütze, T.
On the central levels problem. ICALP2020. 60:1-60:17
https://doi.org/10.4230/LIPIcs.ICALP.2020.60

Gregor, P., Jäger, S., Mütze, T., Sawada, J. and Wille, K.
https://arxiv.org/pdf/1802.06021

Griffiths, S., Koch, C. and Secco, M.
Deviation probabilities for arithmetic progressions and irregular discrete structures. Preprint.

Griffiths, S.
[see: Goldschmidt, C.]

Griggs, T. S. and Kozlik, A.
https://dx.doi.org/10.1002/jcd.21749

Griggs, T. S. and Kozlik, A.
Quasigroups satisfying Stein’s third law with no idempotents. Preprint.

Griggs, T. S., McCourt, T. A. and Širáň, J.
https://doi.org/10.26493/1855-3974.1959.9c7

Griggs, T. S.
[see: Drápal, A., Erskine, G., Forbes, A. D., Grannell, M. J]

Grimm, U.
[see: Aedo, I.]

Grimmett, G. R. and Li, Z.

Groenland, C., Guggiari, H. and Scott, A. D.
Size reconstructibility of graphs. *J. Graph Theory* 96 (2021) 326-337.
https://doi.org/10.1002/jgt.22616

Groenland, C., Johnston, T., Kupavskii, A., Meeks, K., Scott, A. D. and Tan, J.
Reconstructing the degree sequence of a sparse graph from a partial deck/ Preprint.
https://arxiv.org/pdf/2102.08679

Groenland, C., Johnston, T., Scott, A. D. and Tan, J.
Reconstructing trees from small cards. Preprint.
https://arxiv.org/pdf/2103.13359

Groenland, C., Joret, G., Nadara, W. and Walczak, B.
Groenland, C.
[see: Aaronson, J., Aru, J., Bonamy M.]

Gross, E.
[see: Bick, C.]

Grossi, R.
[see: Alzamel, M., Ayad, L. A. K.]

Grosu, C.
[see: Adamaszek, A.]

Grósz, D., Methuku, A. and Tompkins, C.
https://doi.org/10.1017/S0963548319000452

Grósz, D., Methuku, A. and Tompkins, C.
https://doi.org/10.1016/j.ejc.2020.103109
https://arxiv.org/pdf/1803.01953

Grósz, D., Methuku, A. and Tompkins, C.
Ramsey numbers of Boolean lattices. Preprint.
https://arxiv.org/pdf/2104.02002

Gruslys, V. and Letzter, S.
https://arxiv.org/pdf/1808.00851

Gruslys, V. and Letzter, S.
Fractional triangle decompositions in almost complete graphs. Preprint.

Gruslys, V. and Letzter, S.
Monochromatic triangle packings in red-blue graphs. Preprint.

Gruslys, V. Letzter, S. and Morrison, N.
https://arxiv.org/pdf/1907.09797

Grzesik, A., Janzer, O. and Nagy, Z. L.

Grzesik, A., Lee, J., Lidický, B. and Volec, J.

Grzesik, A., Král’, D. and Lovász, L. M.
https://doi.org/10.1112/plms.12382
https://arxiv.org/pdf/1807.01141

Grzesik, A., Král’, D., Lovász, L. M. and Volec, J.

Grzesik, A.
[see: Aaronson, J., Chan, T. F. N.]
Gu, R., Gutin, G., Li, S., Shi, Y. and Taoqiu, Z.
The smallest number of vertices in a 2-arc-strong digraph which has no good pair. Preprint.
Gu, R., Gutin, G., Li, S., Shi, Y. and Taoqiu, Z.
Note on semi-proper orientations of outerplanar graphs. Preprint.
Guenin, B.
[see: Abdi, A.]
Guggiari, H. and Scott, A. D.
Monochromatic Components in Edge-Coloured Graphs with Large Minimum Degree
https://doi.org/10.37236/9039
Guggiari, H.
[see: Groenland, C.]
Guler, H., Jackson, B. and Nixon, A.
Guler, H.
[see: Cruichshank, J.]
Guo, H. and He, K.
https://doi.org/10.1002/rsa.20928
Guo, H. and Jerrum, M. R.
http://dx.doi.org/10.1471/AIHPD/99
https://arxiv.org/pdf/1801.07342
Guo, H. and Jerrum, M. R.
Guo, H. and Mousa, G.
Guo, H., Liao, C., Lu, P. and Zhang, C.
https://doi.org/10.1145/3418056
Guo, H.
[see: Cai, J.-Y., Cryan, M. E., Feng, W., Galanis, A.]
Gur, T. and Lachish, O.
https://doi.org/10.1137/1.9781611975994.83
Gur, T. and Shinkar, I.
https://doi.org/10.1109/TIT.2019.2946896
https://www.dcs.warwick.ac.uk/~tommur/pdf/nmExtLB.pdf

Gur, T.
[see: Dall’Agnol, M.]

Guruswamany, V., Opršal, J. and Sai, S.
https://doi.org/10.4230/LIPIcs.APPROX/RANDOM.2020.34
https://drops.dagstuhl.de/opus/volltexte/2020/12637/pdf/LIPIcs-APPROX34.pdf

Guruswami, V.
[see: Brakensiek, J.]

Gurvich, N.
[see: Chikin, N.]

Gusev, V.
[see: Adamson, D.]

Gutenberg, M. P.
[see: Bernstein, A.]

Gutin, G. and Karapetyan, D.
Constraint Branching in Workflow Satisfiability Problem SACMAT2020 93-103..
https://doi.org/10.1145/3381991.3395600

Gutin, G., Lou, D., Zhang, X. and Zhang, Z.
Hamiltonicity, Pancyclicity and Full Cycle Extendability in Multipartite Tournaments
*J. Graph Theory* 96 (2021) 1-21
https://doi.org/10.1002/jgt.22606

Gutin, G., Majundar, D., Ordyniak, S. and Wahlström, M.
, to appear. 16
https://arxiv.org/pdf/1907.12061

Gutin, G., Neary, P. R. and Yeo, A.
https://doi.org/10.1007/978-3-030-58150-3_29

Gutin, G., Wahlstrom, M. and Zehavi, F.
https://doi.org/10.1145/3439721
https://arxiv.org/pdf/1806.09108

Gutin, G. and Yeo, A.
https://arxiv.org/pdf/2104.05536

Gutin, G.
[see: Ai, J., Bang-Jensen, J., Du, D., Gu, R.]

Gutman, Y., Manners, F. J. and Varjú, P. P.
The structure theory of nilspaces I. *Journal d’Analyse Mathematique* 140 (2020)

16 A conference version appeared in STACS20:
https://doi.org/10.4230/LIPIcs.STACS.2020.19
Gyetvai, M.
[see: Biró, P.]

Győri, E.
[see: Colluci, L., Ergemlidze, B., Gerbner, D.]

Hagen, M.

Hahn-Klimroth, M., Maesaka, G. S., Mogge, Y., Mohr, S. and Parczyk, O.

Halldórsson, M. M.
[see: Gebhard, O.]

Halldórsson, M. M. and Konrad, C.
https://doi.org/10.1016/j.tcs.2018.11.028

Halldórsson, M. M., Konrad, C. and Tonoyan, T.
https://doi.org/10.1016/j.tcs.2020.07.033

Hamann, F.
[see: Clemens, D.]

Hamann, M.
[see: Georgakopoulos, A.]

Hamed, Z. S. and Hirschfeld. J. W. P.
A complete (48;4)-arc in the projective plane over the field of order seventeen, *Baghdad Science Journal*, to appear.

Hamilton, H.
[see: Gildea, J.]

Han, J., Jenssen, M., Kohayakawa, Y., Mota, G. O. and Roberts, B.
https://doi.org/10.1016/j.jctb.2020.06.004
https://arxiv.org/pdf/1811.00844

Han, J. Kohayakawa, Y., Letzter, S., Mota, G. O. and Parczyk, O.
The size-Ramsey number of 3-uniform tight paths. Preprint.
http://www.homepages.ucl.ac.uk/~ucahsle/papers/size-ramsey-tight.pdf

Han, J., Lo, A. and Sanhueza-Matamala, N.
https://doi.org/10.1017/S0963548320000449
https://arxiv.org/pdf/1701.08115

Han, J., Morris, P. and Treglown, A.
Hancock, E. R.
[see: Aziz, F.]

Hancock, R., Kráľ, D., Krnc, M. and Volec, J.

Hancock, R.
[see: Candela, P.]

Hanson, B., Roche-Newton, O. and Rudnev, M.
Higher convexity and iterated sum sets. Preprint.

Hanson, B.
[see: Bradshaw, P.]

Harper, S. and Lucchini, A.
https://doi.org/10.5802/alco.132

Harrenstein, P., Lisowski, G., Ramanujan, M. S. and Turrini, P.

Harrington, H. A.
[see: Bick, C.]

Harris, L., Perkins, S. and Roach, P. A.

Hartung, E., Hoang, H. P., Mütze, T. and Williams, A.

Harutyunyan, A., Lampis, M., Lozin, V. V. and Monnot, J.
https://doi.org/10.1016/j.tcs.2020.09.010
https://arxiv.org/pdf/1810.10940

Haslegrave, J.
Countable graphs are majority 3-choosable. Discuss. Math. Graph Theory, to appear.

Haslegrave, J.
The path minimises the average size of a connected set. Preprint.
https://arxiv.org/pdf/2103.16491

Haslegrave, J.
Sum index, difference index and exclusive sum number of graphs. Preprint.
https://arxiv.org/pdf/2104.06959

Haslegrave, J. Kim, J. and Liu, H.
Extremal density for sparse minors and subdivisions. Preprint.

Haslegrave, J. and Panagiotis, C.

https://doi.org/10.1002/rsa.20946

**Haslegrave, J., Sauerwald, T. and Sylvester, J.**

**Haslegrave, J. and Tournier, L.**
http://dx.doi.org/10.1007/978-3-030-60754-8

**Haslegrave, J.**
[see: Georgakopoulos, A.]

**Hause, B.**
[see: Andersson, T.]

**Havet ,F.**
[see: Draganić, N.]

**Hazi, A.**
[see: Bowman, C. D.]

**He, K.**
[see: Guo, H.]

**Hebdige, M.**
[see: Dvořák, Z.]

**Heberle, S.**
[see: Bucić, M.]

**Heckel, A.**
https://doi.org/10.1090/jams/957

**Heckel, A. and Riordan, O. M.**
How does the chromatic number of a random graph vary? Preprint.
https://arxiv.org/pdf/2103.14014

**Hefetz, D.**
[see: Aigner-Horev, E., Ben-Eliezer, O.]

**Heinrich, M.**
Glauber dynamics for colourings of chordal graphs and graphs of bounded treewidth. Preprint.

**Heinrich, M. and Müller, H.**
Counting independent sets in strongly orderable graphs. Preprint.

**Heinrich, M. J**
[see: Bartier, V., Bonamy, M., Delcourt, M., Dyer. M. E.]  
**Heinrich, T., Jang, Y., Mungo, L., Pangallo, M., Scott, A. D., Tarbush, B. and Wiese, S.**
Best-response dynamics, playing sequences, and convergence to equilibrium in random games. Preprint.
https://arxiv.org/pdf/2101.04222

Hellmuth, M and Lafond, M.
https://doi.org/10.1186/s13015-020-00175-0

Hellmuth, M., Lafond, M., Schaller, D., Stadler, P. F. and Wieseke, N.

Hellmuth, M., Schaller, D. and Stadler, P. F.

Hellmuth, M., Seemann C. R. and Stadler, P. F.
https://doi.org/10.1016/j.dam.2020.01.036
https://arxiv.org/pdf/1911.07469

Hellmuth, M.
[see: Geiss, M.]

Helmuth, T., Jenssen, M. and Perkins, W.
Finite-size scaling, phase coexistence, and algorithms for the random cluster model on random graphs. Preprint.

Helmuth, T. and Mann, R.

Helmuth, T.
[see: Bauerschmidt, R. Borgs, C.]

Henk, M.
[see: Aliev, I.]

Henke, A.
[see: Andersson, T.]

Henzinger, M. and Peng, P.

Hermiller, S.
[see: Ciobanu, L.]

Hermon, J.
https://doi.org/10.1007/s10959-019-00946-5
https://arxiv.org/pdf/1809.00145

Hermon, J. and Hutchcroft, T.
Supercritical percolation on nonamenable graphs: Isoperimetry, analyticity, and exponential decay of the cluster size distribution. *Invent Math.* (2020)
https://doi.org/10.1007/s00222-020-01011-3
Hermon, J. and Olesker-Taylor, S.
Geometry of Random Cayley Graphs of Abelian Groups. Preprint. 18
Hermon, J. and Olesker-Taylor, S.
https://arxiv.org/pdf/2102.02809
Hermon, J. and Pymar, R.
https://dx.doi.org/10.1214/20-AOP1455
https://arxiv.org/pdf/1808.10846
Hermon, J. and Salez, J.
Hermon, J., Sly, A. and Sousi, P.
Hermon, J. and Sousi, P.
https://doi.org/10.1214/20-aop1441
https://arxiv.org/pdf/1902.02770
Herrera-Poyatas, A.
[see: Galanis, A.]
Herrman, R. and van Hintum, P.
https://doi.org/10.1016/j.dam.2020.11.014
Herrman, R., van Hintum, P. and Smith, S. G. Z.
Capture times in the Bridge-burning Cops and Robbers game. Preprint.
Herrman, R.
[see: Dvořák, V]
Hess, K.
[see: Garcia-Pulido, A.]
vanden Heuvel, J. and Kierstead, H. A.
https://doi.org/10.1016/j.ejc.2020.103214
https://arxiv.org/pdf/1907.12149
Higashitani, A.
[see: Clarke, O.]
Higgins, P. M.

18 These two articles are part of a re-organisation of a project of work by these two authors. (In earlier Bulletins Olesker-Taylor's name was then given as Taylor). Also part of the project are https://arxiv.org/pdf/1911.02974 https://arxiv.org/pdf/1911.02975 and https://arxiv.org/pdf/1810.05130 (as recent changes to these are lesser, they are not re-listed).
https://arxiv.org/pdf/2104.08905

Higham, D. J. and de Kergorlay, H.-L.  

Higham, D. J. and Tudisco, F.  
https://arxiv.org/pdf/2101.06215

Higham, D. J.  
[see: Arrigo, F.]

van Hintum, P., Spink, H. and Tiba, M.  
Sharp L1 Inequalities for Sup-Convolution. Preprint.  

van Hintum, P.  
[see: Dvořák, V.]

Hirahara, S.  
[see: Chen, L.]

Hirschfeld, J. W. P.  
[see: Alabdullah, S., Hamed, Z. S.]

Hladký, J., Hu, P. and Piguet, D.  
https://doi.org/10.1016/j.ejc.2020.103284  
https://arxiv.org/pdf/1606.03113

Hladký, J.  
[see: Adamaszek, A., Doležal, M., Garbe, F.]

Hlásek, F.  
[see: Dvořák, Z.]

Hlinený, P.  
[see: Gajarský, J.]

Hung, E. K.  

Hoang, H. P. and Mütze, T.  
https://arxiv.org/pdf/1911.12078

Hoang, H. P.  
[see: Hartung, E]

Hofscheier, J., Khovanskii, A. and Monin, L.  
Cohomology rings of toric bundles and the ring of conditions. Preprint.  

Hoffmann, M.  
[see: Erlebach, T.]

Hollender, A.  
[see: Goldberg, P. W.]

Holmes-Cerfon, M.  
[see: Gortler, S]

Holroyd, A. E., Janson, S. and Wästlund, J.  
Minimal matchings of point processes. Preprint.  
Holroyd, A. E. and Martin, J. B.

Holroyd, A. E., Martin, J. B. and Peres, Y.
http://dx.doi.org/10.1214/19-AIHP984
https://arxiv.org/pdf/1708.04519

Holroyd, A. E.
[see; Angel, O.]

Holt, D. F. and Royle, G. F.
https://doi.org/10.1016/j.jsc.2019.06.006

Holt, D. F., Royle, G. F. and Tracey, G.
The transitive groups of degree 48 and some applications. Preprint.
https://arxiv.org/pdf/2102.07183

Homs-Dones, M.
[see: Devriendt, K.]

van der Hoorn, W. L. F.
[see: Fountoulakis, N.]

Horsfield, J. and Vušković, K.
Two classes of β-perfect graphs that do not necessarily have simplicial extremes. Preprint.

Horsfield, J.
[see: Brettell, N.]

Horsley, D. and Webb, B. S.
https://doi.org/10.1016/j.jcta.2021.105434

Howell, J.
[see: Barnetson, K. D.]

Howison, S. D., Pamfil, A. R. and Porter, M. A.
Edge Correlations in Multilayer Networks. Phys. Rev. E 102 (2020) 062307
https://doi.org/10.1103/PhysRevE.102.062307
https://arxiv.org/, to df/1908.03875

Hu, P.
[see; Hladký, J.]

Huang, C.-C., Thiery, T. and Ward, J.
https://doi.org/10.4230/LIPIcs.APPROXRANDOM.2020.62

Huang, C.-C. and Ward, J.
Huang, S.
[see: Bauerschmidt, R.]
Hubai, T.
[see: Frankl, N.]
Hubard, A.
[see: Bárány, I.]
Huber, K. T., van Iersel, L., Janssen, R., Jones, M., Moulton, V. and Murakami, Y.
https://arxiv.org/pdf/2101.08580
Huber, K. T., Linz, S. and Moulton, V.
The rigid hybrid number for two phylogenetic trees. *J. Math. Biol.* 82 (2021) 40
https://doi.org/10.1007/s00285-021-01594-2
Huber, K. T., Moulton, V. and Scholz, G. E.
Hubička, J.
[see: Evans, D. M.]
Huczynska, S., Jefferson, C. and Nepinska, S.
Strong external difference families in abelian and non-abelian groups. *Cryptography and Communications* 13 (2021) 331-341
https://doi.org/10.1007/s12095-021-00473-3
https://arxiv.org/pdf/1908.03533
Huczynska, S. and Paterson, M. B.
Characterising bimodal collections of sets in finite groups. *Arch. Math* 113 (2019) 571–580
https://doi.org/10.1007/s00013-019-01361-2
https://arxiv.org/pdf/1903.11620
Huggett, S. and Moffatt, I.
https://doi.org/10.1017/S0305004119000161
http://www.personal.rhul.ac.uk/uxah/001/papers/activities.pdf
Husič, E. and Roughgarden, T.
Hussak, W. and Trehan, A.
On the Termination of Flooding. STACS2020 17:1 - 17:13
https://doi.org/10.4230/LIPIcs.STACS.2020.17
Hussak, W.
[see: Alshorman, R.]
Hutchcroft, T.
Power-law bounds for critical long-range percolation below the upper-critical

---

19 This should have been in last year’s Bulletin, apologies.
Hutchcroft, T.
Continuity of the Ising phase transition on nonamenable groups. Preprint.

Hutchcroft, T.
https://doi.org/10.1007/s00440-020-00964-z

Hutchcroft, T.
https://dx.doi.org/10.1214/20-EJP525
https://projecteuclid.org/download/pdfview_1/euclid.ejp/1602813722

Hutchcroft, T.
https://doi.org/10.2140/pmp.2020.1.147

Hutchcroft, T.
Indistinguishability of collections of trees in the uniform spanning forest. *Annales de l'Institut Henri Poincaré* 56 (2020) 917-927.
https://doi.org/10.1214/19-AIHP988.
https://arxiv.org/pdf/1810.06382

Hutchcroft, T.
http://dx.doi.org/10.1214/19-AOP1395
https://arxiv.org/pdf/1808.08940

Hutchcroft, T.
https://doi.org/10.1090/jams/953
https://arxiv.org/pdf/1711.02590

Hutchcroft, T. and Pete, G.
Kazhdan groups have cost 1. *Invent. Math.* 221 (2020) 873–891
https://doi.org/10.1007/s00222-020-00967-6
https://arxiv.org/pdf/1810.11015

Hutchcroft, T. and Sousi, P.
Logarithmic corrections to scaling in the four-dimensional uniform spanning tree. Preprint.

Hutchcroft, T. and Tointon, M.
Non-triviality of the phase transition for percolation on finite transitive graphs. Preprint.
https://arxiv.org/pdf/2104.05607

Hutchcroft, T.
[see: Angel, O., Benjamini, I., Curien, N., Hermon, J.]
Huynh, T., Reed, B. A., Wood, D. R. and Yepremyan, L.

Huynh, T.
[see: Abdi, A., Aicholzer, O.]

Hyde, J. and Treglown, A.
A degree sequence version of the Kühn-Osthus tiling theorem. Electron J. Comb. 27 (2020) P3.48

Hyde, J.
[see: Bowtell, C., Freschi, A.]

Iamthong, K.

Iamthong, K., Jung, J.-H. and Kitaev, S.
Encoding labelled p-Riordan graphs by words and pattern-avoiding permutations. Graphs. Comb. 37 (2021) 139-149.

van Iersel, L., Moulton, V. and Murakami, Y.

Iliopoulos, C. S.

Iliopoulou, M.
[see: Carbery, A.]

Illingworth, F.
Graphs with no induced $K_{2,t}$ Electron J. Comb. 28 (2021) P1.19

Illingworth, F.
The chromatic profile of locally bipartite graphs. Preprint.

Illingworth, F.
The chromatic profile of locally colourable graphs. Preprint.

Ilyasova, M.
Differentiability of the pressure in non-compact spaces. Preprint

Iommi, G., Todd, M. and Velozo, A.
https://doi.org/10.4310/MRL.2020.v27.n4.a4
https://arxiv.org/pdf/1809.10022

Ito, T.
[see: Bonamy, M.]

Ivan, M.-R.
https://doi.org/10.1112/mntk.12044

Ivan, M.-R., Leader, I. B. and Zamboni, L. Q.

Ivriisimtzis, I., Singerman, D. and Strudwick, J.

Iyer, T.
Degree Distributions in Recursive Trees with Fitnesses. Preprint.

Iyer, T.
[see: Fountoulakis, N.]

Iyudu, N. and Kontsevich, M.
Pre-Calabi-Yau algebras and noncommutative calculus on higher cyclic Hochschild cohomology. Preprint.

Jackson, B. Nixon, A. and Tanigawa, S.-L.
An improved bound for the rigidity of linearly constrained frameworks. Preprint.

Jackson, B. and Tanigawa, S.-L.

Jackson, B.
[see: Clinch, K., Cruickshank, J. Guler, H.]

Jacob, A., Majundar, D. and Raman, V.
https://doi.org/10.1007/s00224-020-10022-9

Jacob, A., Majundar, D. and Raman, V.
Parameterized Complexity of Deletion to Scattered Graph Classes. IPEC2020
18:1-18:17
https://doi.org/10.4230/LIPIcs.IPEC.2020.18

Jacobsen, K. M.
[see: Baur, K.]
Jafari, S. H.
[see: Cameron, P. J.]

Jäger, S.
[see: Gregor, P.]

Jahn, E.
[see: Bucić, M.]

Jang, Y.
[see: Heinrich, T.]

Janson, S.
[see: Holroyd, A. E.]

Janssen, R.
[see: Huber, K. T.]

Janzer, B.
Large hypergraphs without tight cycles. Preprint.

Janzer, B.
A note on the orientation covering number. Preprint.

Janzer, B.

Janzer, B.
[see: Gowers, W. T.]

Janzer, O.
Rainbow Turán number of even cycles, repeated patterns and blow-ups of cycles. Preprint.

Janzer, O.

Janzer, O.
Polynomial bound for the partition rank vs the analytic rank of tensors. Discrete Anal., 2020:7, 18pp
https://doi.org/10.19086/da.12935
https://arxiv.org/pdf/1902.11207

Janzer, O., Methuku, A. and Nagy, Z. L.
On the Turán number of the blow-up of the hexagon. Preprint.

Janzer, O. and Pohoata, C.

Janzer, O. and Pohoata, C.

Járai, A. A.
[see: Briggs, K.]

Janzer, O.
[see: Conlon, D., Grzesik, A]

Jeans, O.

Jeans, O. and Širáň, J.  
Classifying edge-biregular maps of negative prime Euler characteristic. Preprint.  

Jeavons, P.  
[see: Cohen, D. A.]

Jedlickova N..  
[see: Bok, J.]

Jefferson, C., Pfeiffer, M., Waldecker, R. and Wilson, W.  
Permutation group algorithms based on directed graphs. Preprint.  
https://arxiv.org/pdf/1911.04783

Jefferson, C.  
[see: Barakat, M., Huczynska, S.]

Jenssen, M. and Keevash, P.  
Homomorphisms from the torus. Preprint.  

Jenssen, M., Keevash, P., Long, E. P. and Yepremyan, L.  
https://doi.org/10.1090/proc/15060


Jenssen, M., Keevash, P. and Perkins, W.  
https://dx.doi.org/10.1137/1.9781611975482.135


Jenssen, M. and Perkins, W.  
https://doi.org/10.1112/jlms.12331


Jenssen, M. and Skokan, J.  
https://doi.org/10.1016/j.aim.2020.107444

https://arxiv.org/pdf/1608.05705

Jenssen, M.  
[see: Campos, M., Davies, E.. Han, J., Helmuth, T.]

Jeong, J.  
[see: Dąbrowski, K. K.]

Jerrum, M. R. and Makai, T.  
The size of the joint-giant component in a binomial random double graph. Electron J. Comb. 28 (2021) P1.33

https://doi.org/10.37236/8846


Jerrum, M. R.  
[see: Dyer, M. E., Guo, H.]

Jezernik, U.

---

21 Non-trivial revision of a paper first given last year.
Jiang, T., Ma, J. and Yepremyan, L.
Linear cycles of consecutive lengths. Preprint.

Jiang, T. and Yepremyan, L.
https://doi.org/10.1017/S0963548320000206
https://arxiv.org/pdf/1707.03091

Johnson, J. R.
[see: Behague, N. C.]
Johnson, L. and Perkins, S.
https://doi.org/10.3390/math903028

Johnson, M.
[see: Andersson, T.]
Johnson, T.
Zero-sum squares in \{-1, 1\}-matrices with low discrepancy. Preprint.

Johnston, T. and Scott, A. D.
https://arxiv.org/pdf/1812.09215

Johnson, R.
[see: Andersson, T.]
Johnson, T.
Universal \(p\)-ary designs. Preprint.
Joliffe, L.
A combinatorial approach to first degree cohomology of Specht modules for two part partitions. Preprint.

Joliffe, L.

Jones, G. A.
https://doi.org/10.26493/2590-9770.1365.884

Jones, G. A.
https://arxiv.org/pdf/1908.01193

Jones, G. A.
Automorphism groups of maps, hypermaps and dessins. The Art of Discrete and Applied Mathematics 3 (2020)
https://doi.org/10.26493/2590-9770.1275.e77

Jones, M.
[see: Huber, K. T.]

Jonsson, P.
[see: Dąbrowski, K. K.]

Joos, F. and Kim, J.
https://doi.org/10.1112/blms.12343

Joos, F.
[see: Ehard, S., Glock, S.]

Jordan, J.
[see: Andrews, B. Freeman, N.]

Joret, G.
[see: Groenland, C.]

Jorgensen, P.
[see: Asadollahi, J.]

Jorritsma, J.
[see: Goldberg, L. A.]

Joswig, M. and Loho, G.
https://doi.org/10.1137/17M1153066

Jung, J.-H.
[see: Cheon, G.-S., Iamthong, K]

---

22 This was previously titled "On an extension of Dirac's theorem".
Jurdziński, M., Morvan, R., Ohlmann, P. and Thejaswini, K. S.

Juškevičius, T. and Sahasrabudhe, J.
Cosine polynomials with few zeros. Preprint.

Kaaser, D.
[see: Berenbrink, P.]

Kabela, A.
[see: Candela, P., Cooper, J. W.]

Kahn, J.
[see: Eberhard, S.]

Kalai, G.
[see: Bárány, I.]

Kalcsics, J.
[see: Delorme, M.]

Kambites, M.
[see: Johnson, M. E.]

Kamčev, N., Krivelevich, M., Morrison, N. and Sudakov, B.
https://doi.org/10.1002/rsa.20969


Kamel, Y.
[see: DeBiasio, L.]

Kammoun, S.
Universality for random permutations and some other groups. Preprint.

Kammoun, S.
https://doi.org/10.37236/8669

Kammoun, S. and Maida, M.
https://doi.org/10.1214/20-ECP334

Kanesh, L.
[see: Agrawal, A.]

Kang, B.
[see: Cheon, G.-S.]

Kang, D.-Y., Kang, M., Kim, J. and Oum, S.-I.
Fragile minor-monotone parameters under random edge perturbation. Preprint.
Kang, D.-Y., Kelly, T., Kühn, D., Methuku, A. and Osthus, D.
https://arxiv.org/pdf/2101.04698

Kang, D.-Y., Kim J. and Liu, H.
https://doi.org/10.1016/j.jctb.2020.12.003
https://arxiv.org/pdf/1811.06916

Kang, D.-Y., Kühn, D., Methuku, A. and Osthus, D.
New bounds on the size of Nearly Perfect Matchings in almost regular hypergraphs. Preprint.

Kang, M., Makai, T. and Pikhurko, O.
https://doi.org/10.1016/j.ejc.2020.103107

Kang, M.
[see: Cooley, O., Fountoulakis, N, Kang, D.-Y.]

Kangaslampi, R.
[see: Cushing, D.]

Kanté M.
[see: Dąbrowski, K. K.]

Karapetyan, D.
[see: Gutin, G.]

Karczmarz, A.
[see: Charalampopoulos, P.]

Kardoš, F.
[see: Bonamy, M.]

Kärkkäinen, J.,
[see: Badkobeh, G.]

Kastis, E., Kitson, D. and McCarthy, J.

Kastis, E.
[see: Cruickshank, J.]

Kaszanitzky, V., Schulze, B. and Tanigawa, S.-I.
https://doi.org/10.1016/j.jctb.2020.09.009
https://arxiv.org/pdf/1612.01379

Kathapurkar, A. and Montgomery, R. H.
https://arxiv.org/pdf/2102.03144

Katona, G. O. H.,
[see: Damásdi, G.]

Kavanagh, W.
[see: Barr, M.]

Kaya, A.
[see: Dougherty, S., Gildea, J.]

Kaznatcheev, A.
[see: Cohen, D. A.]

Keating, J. P.
[see: Assiotis, T.]

Keevash, P., Leader, I. B., Long, J. and Wagner, A. Zs.
https://arxiv.org/pdf/1911.00487

Keevash, P., Lifshitz, N., Long, E. P. and Minzer, D.
Global hypercontractivity and its applications. Preprint. 23
https://arxiv.org/pdf/2103.04604

Keevash, P., Lifshitz, N., Long, E. P. and Minzer, D.
Forbidden intersections for codes. Preprint.
https://arxiv.org/pdf/2103.05050

Keevash, P. and Long, E. P.
https://doi.org/10.1016/j.jctb.2020.04.009

Keevash, P. and Long, E. P.
https://doi.org/10.1112/plms.12338

Keevash, P. and Long, J.

Keevash, P., Long, J., Narayanan, B. P. and Scott, A. D.

Keevash, P., Pokrovskiy, A., Sudakov, B. and Yepremyan, L.

Keevash, P.
[see: Barber, B.. Bohman, T. Clinch, K., Jenssen, M.]

Kelly, T.
[see: Bonamy, M., Gould, S., Kang, D.-Y.]

Kelsey, V. Nicolaides, V. and Rowley, P. J.
A Note on the Rank 5 Polytopes of $M_{24}$. Preprint.

Kelsey, V. and Roney-Dougal, C. M.

Kent, A. P.
[see: Chistikov, D.]

de Kergorlay, H.-L.
Which Sampling Densities are Suitable for Spectral Clustering on Unbounded Domains? Preprint.
https://arxiv.org/pdf/2104.02147

23 Changed title and substantial enhancement of “Hypercontractivity for global functions and sharp thresholds” in last year’s Bulletin.
de Kergorlay, H.-L.
[see: Higham, D. J.]

Kern, W. and Paulusma, D.
https://doi.org/10.4230/LIPIcs.ISAAC.2020.22

Kessar, R., Malle, G. and Semeraro, J.
Weight conjectures for compact groups and spetses, Preprint.

Keszegh, B.
[see: Damásdi, G.]

Key, J. D. and Rodrigues, B. G.
Binary codes from m-ary n-cubes $Q_n^m$. Preprint.
http://cecas.clemson.edu/~keyj/Key/KeyRodLee.pdf

Khalid, A. and Prellberg, T.
https://arxiv.org/pdf/1907.09842

Khalil, L. K. and Konrad, C.
Constructing Large Matchings via Query Access to a Maximal Matching Oracle.
FSTTCS 2020: 26:1-26:15
https://doi.org/10.4230/LIPIcs.FSTTCS.2020.26

Khovanskii, A.
[see: Hofscheier, J.]

Khukro, A.
A characterisation of virtually free groups via minor exclusion. Preprint.

Kielak, B.
[see: Aaronson, J.]

Kierstead, H. A.
[see: van den Heuvel, J.]

Kim, E. J., Kratsch, S., Pilipczuk, M. and Wahlström, M.
Solving hard cut problems via flow-augmentation. SODA2021,
https://doi.org/10.1137/1.9781611976465.11
https://pure.royalholloway.ac.uk/portal/files/39462439/soda_camera_ready.pdf

Kim, H.
[see: Cheon, G.-S.] 

Kim, J., Kim, Y, and Liu, H.
https://doi.org/10.1002/rsa.20913

Kim, J., Kühn, D., Kupavskii, A. and Osthus, D.
https://doi.org/10.1002/rsa.20902
http://web.mat.bham.ac.uk/D.Osthus/Stein-multicolor22MayV2.pdf

Kim, J., Liu, H., Pikhurko, O. and Sharifzadeh, M.
https://doi.org/10.19086/da.18559
Kim, J.
[see: Fernandez, I. G., Glock, S., Haslegrave, J., Joos, F., Kang, D.-Y.]
Kim, S.-R.
[see: Cheon, G.-S.]
Kim, Y.
[see: Fernandez, I. G., Kim, J.]
King, R. C.
https://arxiv.org/pdf/2101.00984
King, R. C.
[see: Foley, A. M.]
Kinyon, M.,
[see: Bailey, R. A.]
Kious, D., Mailler, C. and Schapira B.
Kirsch, R. and Radcliffe, A. J.
https://doi.org/10.37236/9550
Kiselev, S.
[see: Frankl, N.]
Kitaev, S., Long, Y., Ma, J. and Wu, H.
https://arxiv.org/pdf/1709.09725
Kitaev, S. and Mendes, J.
Kitaev, S. and Pyatkin, A.
Kitaev, S.
Kitson, D. and Levene, R. H.
https://doi.org/10.1016/j.jmaa.2020.124353
https://arxiv.org/pdf/1709.08967
Kitson, D., Nixon, A. and Schulze, B.
https://doi.org/10.1016/j.laa.2020.08.004
https://arxiv.org/pdf/1808.04484
Kitson, D.
[see: Cruickshank, J., Dewar, S., Kastis, E.]
Kleer, P.
Klein, O.
[see: Dvořák, V.]

Klimošová, T., Malik, J., Masařík, T., Novotná, J., Paulusma, D. and Slivová, T.
Colouring (P₁ + P₃)-Free Graphs. Algorithmica 82 (2020) 1833–1858
https://doi.org/10.1007/s00453-020-00675-w
http://dro.dur.ac.uk/30113/1/30113.pdf?DDD4+dcs0dp+kswl88

Kling, P.
[see: Berenbrink, P.]

Klobas, N. and Krnc. M.

van der Klundert, J.
[see: Andersson, T.]

Klurman, O., Mangerel, A. P., Pohoata, C. and Teräväinen, J.
https://arxiv.org/pdf/1911.06265

Knauer, K.
[see: Aichelzer, O.]

Knop, K.
[see: Chikin, N.]

Knowles, A.
[see: Bauerschmidt, R.]

Kobayashi, Y.
[see: Bonamy, M.]

Koch, C.
[see: Allen, P., Griffiths, S.]

Kociumaka, T.
[see: Charalampopoulos, P.]

Kocsis. Z. A.
[see: Bumpus, B. M.]

Kohayakawa, Y., Mendonça, W., Mota. G. O. and Schülke, B.
Covering 3-coloured random graphs with monochromatic trees. Preprint.

Kohayakawa, Y.
[see: Barros, G. F., Berger, S., Han, J.]

Köhler, N.
[see : Adler, I.]

Komjáthy, J., Lapinskas, J. and Lengler, M.

Komjáthy, J.
[see: Goldberg, L. A.]

Komosa, P.
[see: Cygan, J.]

Konrad, C.
Kontogeorgiou, G.  
[see: Czumaj, A.]

Köppl, D.  
[see: Daykin, J. W.]

Korándi, D., Lang, R., Letzter, S. and Pokrovskiy, A.  
https://doi.org/10.1016/j.jctb.2020.07.005  

Korándi, D., Pach, J. and Tomon, I.  
https://doi.org/10.1137/19M125786X  
https://arxiv.org/pdf/1903.06608

Korándi, D. and Tomon, I.  
https://doi.org/10.1017/S0963548320000103  
https://arxiv.org/pdf/1810.00588

Korban, A. Sahinkaya, S. and Ustun, D.  
https://arxiv.org/pdf/2102.00474

Korban, A. Sahinkaya, S. and Ustun, D.  

Korban, A.  
[see: Dougherty, S., Gildea, J.]

Koukoulopoulos, D. and Maynard, J.  
https://doi.org/10.4007/annals.2020.192.1.5  
https://arxiv.org/pdf/1907.04593

Koutecký, M.  
[see: Chan, T. F. N.]

Kovač, V.  
[see: Falconer, K. J.]

Kowalik, L., Li, S., Nadara, W., Smulewicz, M. and Wahlström, M.  
https://doi.org/10.4230/LIPIcs.ESA.2020.66  

Kozlik, A.  
[see: Drápal, A., Griggs, T. S.]

Kraiczky, A.  
[see: Cseh, A.]

Král’, D., Noel, J. A., Norin, S., Volec, J. and Wei, F.  

Král’, D., Lovász, L. M., Noel, J. A. and Sosnovec, J.
https://arxiv.org/pdf/1809.05973

Král’, D.  
[see: Candela, P., Chan, T. F. N., Cooper, J. W., Dvořák, Z., Grzesik, A., Hancock, R.]  
**Kratsch, S., and Wahlström, M.**  
Representative sets and irrelevant vertices: New tools for kernelization. *J. ACM* (2020) article 16  
https://doi.org/10.1145/3390887

Kratsch, S.  
[see: Kim, E. J.]  
**Krattenhaler, C., Rowland, E. and Yessavi, R.**  

Kratschgau, J., Methuku, A., Tait, M. and Timmons, C.  
Generalised saturation problems. 2020 Fall Western Virtual Sectional Meeting

Krivelevich, M.  
[see: Kamčev, N.]  
**Krnc, M. and Wilson, R. J.**  
https://doi.org/10.1016/j.dam.2020.03.007 

Krnc, M.  
[see: Hancock, R., Klobas, N.]  
**Krokhin, A., Opršal, J., Wrochna, M. and Živný, S.**  
https://eccc.weizmann.ac.il/report/2020/040/revision/1/download

Kronenberg, G., Martins, T. and Morrison, N.  
Weak saturation numbers of complete bipartite graphs in the clique. *J. Comb. Theory Ser A.* 178 (2021) 105357  
https://doi.org/10.1016/j.jcta.2020.105357 

Kronenberg, G.  
[see: Balogh, J., Ben-Eliezer, O.]  
**Ku, J. S.**  
[see: Akitaya, H. A.]  
**Kübel, D.**  
[see: Daykin, J. W.]  
**Kuca, B.**  
https://arxiv.org/pdf/2103.12606

Kuca, B.  

---

24 Journal version also submitted.
Kuca, B.
On several notions of complexity of polynomial progressions. Preprint.

Kühn, D.

Kühne, L.
[see: Barakat, M.]

Kulkarni, J.
[see: Bhattacharya, S.]

Kulkarni, M. C.
[see: Baur, K.]

Kupavskii, A.
[see: Frankl, N., Groenland, C., Ihringer, F. Kim, J.]

Kuypers, D.
[see: Andersson, T.]

Kuzma, B.
[see: Cameron, P. J.]

Kwan, M.
[see: Bucić, M.]

Kwon, O.
[see: Dąbrowski, K. K.]

Labardini-Fragoso, D., Schroll, S. and Valdivieso, Y.

Lachish, O.
[see: Dall’Agnol, M., Gur, T.]

Łacki, J.
[see: Czumaj, A.]

Lada, J.
[see: Freschi, A.]

Laenen, S. and Sun, H.

Lafond, M.
[see: Hellmuth, M.]

Lakrec, T.
[see: Even-Zohar, C.]

Lamaison, A.
[see: Candela, P., Cooper, J. W.]

Lamb, G. J.
[see: Bastin, M. E.]

Lambiotte, R.
[see: Devriendt, K.]

Lammers, P.

Lampis, M.
[see: Harutyunyan, A.]
Lang, R. and Lo, A.
https://doi.org/10.1017/S0963548320000401

Lang, R.
[see: Korándi, D.]

Lapinskas, J.
[see: Goldberg, L. A., Komjáthy, J.,] Larsson, J. and Markström, K.

Latifian, M.
[see: Christodoulou, G.]

Launois, S., Lenagan, T. and Nolan, B.

Law, S.
[see: Giannelli, E.]

Lawler, G. F.
[see: Grimmett, G. R.]

Lawson, J. W.
[see: Felikson, A.]

Lazebnik, F., Thomason, A. G. and Wang, Y.
https://doi.org/10.1007/s10255-020-0927-2

Lazos, P.
[see: Amanatados, G.]

Leader, I. B. and Russell, P. A.
https://doi.org/10.37236/7972

Leader, I. B.
[see: Aaronson, J., Ivan, M.-R., Johnson, J. R., Keevash, P.]

Lee D. and Meeks, K.
On the complexity of optimally modifying graphs representing spatial correlation in areal unit count data. Preprint.

Lee D., Meeks, K. and Pettersson, W.

Lee, D.
[see: Abdi, A.]

Lee, J.
https://doi.org/10.1002/rsa.20974
https://arxiv.org/pdf/1707.02916
Lee, J. and Sidorenko, A.
On graph norms for complex-valued functions. Preprint
https://arxiv.org/pdf/2101.12145

Lee, J.
[see: Conlon, D., Garbe, F., Grzesik, A.]

Lee, J.–B.
[see: Brewster, R C.]

van Leeuwen, E. J., Martin, B. and Paulusma, D.
https://doi.org/10.1016/j.jcss.2020.04.005

van Leeuwen, E. J.
[see: Bodlaender, H., Golovach, P. A.]

Legrand-Duchesne, C.
[see: Bonamy, M.]

Lehner, F. and Smith, S. M.
On symmetries of edge and vertex colourings of graphs. Discrete Math. 343 (2020) 111959
https://doi.org/10.1016/j.disc.2020.111959

Lehner, F. and Verret, G.
https://doi.org/10.26493/1855-3974.1849.148

Lehner, F.
[see: Georgakopoulos, A.]

Lei, H.
[see: Ai, J.]

Leinster, T.

Len, Y. and Ulirsch, M.
https://arxiv.org/abs/1902.09410

Len, Y.
[see: Creech, S.]

Leonardi, S.
[see: Amanatidis, G.]

Lenagan, T.
[see: Launois, S.]

Lenger, D.
[see: Damásdi, G.]

Lengler, J.
[see: Komjáthy, J.]

Letzter, S.
Monochromatic connected matchings in almost complete graphs. Preprint.

Letzter, S., Pokrovskiy, A. and Yepremyan, L.
Size-Ramsey numbers of powers of hypergraph trees and long subdivisions

Letzter, S. and Sudakov, B.
The oriented size Ramsey number of directed paths. Eur. J. Comb. 88 (2020) 103103
https://doi.org/10.1016/j.ejc.2020.103103
https://arxiv.org/pdf/1712.02403

Letzter, S.
[see: Aigner-Horev, A., Balla, I., Bucić, M., Gruslys, V., Han, J., Korándi, D.]

Leuner, M.
[see: Barakat, M.]

Levene, R. H.
[see: Kitson, D.]

Levy, A.
[see: Angel, O.]

Lewis, D.
[see: Damásdi, G.]

Lewis, M.
[see: Buchweitz, R.-O.]

Lewis, R.
https://doi.org/10.3390/a13110269

Lewis, R., Morgan, K. and Thiruvady, D.
https://doi.org/10.1016/j.cor.2020.105114

Lewis, R. and Neis, P.
https://doi.org/10.1504/IJMHEUR.2020.111602

Lewis, R., Padungwech R. and Thompson. J.
https://doi.org/10.1002/net.21990

Li, H.
[see: Cucuringu, M.]

Li, J.-R.
[see: Baur, K.]

Li, L.
[see: Balogh, J.]

Li, S.
[see: Gu, R., Kowalik, L.]

Li, Y.

25 Related conference paper at ICCL2020 539-552, https://doi.org/10.1007/978-3-030-59747-4_35
[see: Evans, D. M.]
Liao, C.
[see: Guo, H.]
Lidbetter, T.
[see: Alpern, S.]
Lidický, B.
[see: Blumenthal, A., Grzesik, A.]
Liebeck, M. W.
[see: Green, H.]
Liebenau, A. and Mattos, L., Mendonça, W. and Skokan, J.
Liebenau, A. and Pehova, Y.
https://doi.org/10.1017/S0963548320000152
https://arxiv.org/pdf/1907.08479
Liebenau, A.
[see: Kamčev, N.]
Lifshitz, N.
[see: Keevash, P.]
Lin, A. and Swanepoel, K. J.
https://doi.org/10.1515/advgeom-2020-0031
Lindqvist, S.
[see: Chow, S.]
Linton, A.
[see: Grbić, J.]
Linz, S.
[see: Bordewich, M., Huber, K. T.]
Liotta G.
[see: Gąsieniec, L.]
Lisowski, G.
[see: Chistikov, D., Harrenstein, P.]
Liu, C.-H.
[see: Bonamy, M., Chudnovsky, M.]
Liu, H. and Montgomery, R.
A solution to Erdős and Hajnal’s odd cycle problem. Preprint
Liu, H. Pach, P. P. and Palincza, R.
Liu, H., Pikhurko O., Sharifzadeh, M. and Staden, K.
Stability from graph symmetrisation arguments with applications to inducibility. Preprint.
Liu, H., Reiher. C., Sharifzadeh, M. and Staden, K.
Geometric constructions for Ramsey-Turán theory. Preprint.
Liu, H. and Sharifzadeh, M.
https://doi.org/10.1016/j.jcta.2020.105333
https://arxiv.org/pdf/1811.05811

Liu, H., Sharifzadeh, M. and Staden, K.
https://arxiv.org/pdf/1709.09589

Liu, H., Wang G. and Yang, D.
Clique immersion in graphs without fixed bipartite graph. Preprint.

Liu, K., Wang L., Wilson, R. C. and Zhang, Y.
https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=9228895

Liu, S., Peyerimhoff, N. and Vdovina, A.
https://arxiv.org/pdf/1412.6841

Lo, A., Patel, V., Skokan, J. and Talbot, J. M.
https://doi.org/10.1112/plms.12328
http://arxiv.org/pdf/1902.10775

Lochet, W.
[see: Draganić, N.]

Lodewijks, B. and Ortgiese, M.
The maximal degree in random recursive graphs with random weights. Preprint.

Lodewijks, B. and Ortgiese, M.
https://dx.doi.org/10.1214/20-EJP550
https://projecteuclid.org/download/pdfview_1/euclid.ejp/1608260520

Lo, A.
[see: Barber, B., DeBiasio, L., Girão, A., Glock, S., Han, J., Lang, R.]
Lochet, W.
[see: Gill, N.]

Lodá, B.
[see: Gill, N.]

Lofaro, G.
[see: Grannell, M. J.]

Loho, G.
https://doi.org/10.37236/7718

Loho, G. and Sanyal, R.
Tropical Carathéodory with Matroids. Preprint.
https://arxiv.org/pdf/1912.11262

Loho G. and Schymura, M.
https://doi.org/10.1007/s40687-020-00228-1
https://arxiv.org/pdf/1908.07893

Loho, G. and Smith, B.
https://doi.org/10.1016/j.aim.2020.107232
https://arxiv.org/pdf/1804.01595

Loho, G and Végh, L. A.
https://doi.org/10.4230/LIPIcs.ITCS.2020.24

Loko, P.
[see: Coja-Oghlan, A.]

Lokshtanov, D., Ramanujan, M. S., Saurabh, S, Sharma, R. and Zehavi, M.
https://doi.org/10.1137/1.9781611976465.14
https://epubs.siam.org/doi/pdf/10.1137/1.9781611976465.14

Lokshtanov, D.
[see: Cygan, J., Gajarský, J]

Long, E. P.
[see: Bucić, M., Jenssen, M., Johnson, J. R., Keevash, P.]

Long, J.
https://doi.org/10.1017/S0963548319000427
https://arxiv.org/pdf/1902.07693

Long, J., Narayanan, B. P. and Yap, C.
Simplicial homeomorphs and trace-bounded hypergraphs. Preprint.

Long, J.
[see: Gianelli, E., Gowers, W. T., Keevash, P.]

Long, J. A., Milans, K. G. and Munaro, A.

Long, Y.
[see: Kitaev, S.]

Lorentz, B.
[see: Joswig, M.]

Lou, D.
[see: Gutin, G.]
Loukides, G.  
[see: Charalampopoulos, P.]

Lovász, L. M.  
[see: Grzesik, A., Král’, D.]

Lozin, V. V., and Razgon, I.  
Tree-width dichotomy. Preprint. 

Lozin, V. V.  
[see: Alecu, B., Atminas, A., Blanché, A., Harutyunyan, A.]

Lu, L.  
[see: Cushing, D.]

Lu, P.  
[see: Guo, H.]

Lubotsky, A.  
[see: Becker, O.]

Lucchini, ,A.  
[see: Harper, S.]

Łuczak, T.  
[see: Allen, P.]

Lynch, J..  
[see: Akitaya, H. A.]

Ma, J.  
[see: Jiang, T., Kitaev, S.]

Maclagan, D. and Rincón, E. F.  
Varieties of Tropical Ideals are Balanced. Preprint. 

Maclagan, D. and Yu, J.  
Higher Connectivity of Tropicalizations. Preprint. 
https://arxiv.org/pdf/1908.05988

Macpherson, H. D.  
[see: Adler, I., Amato, D.]

Madry, A..  
[see: Czumaj, ,A.]

Maesaka, G. S.  
[see: Berger, S., Hahn-Klimroth, M.]

Maffray, F., Penev, I. and Vušković, K.  
Coloring rings. J. Graph Theory, to appear. 
https://arxiv.org/pdf/1907.11905

Mafunda, S.  
[see: Ai, J.]

Mahanta, P. J. and Saikia, M. P.  

Mahanta, P. J. and Saikia, M. P.  

Maida, M.  
[see: Kammoun, .S.]

Mailier, C., Môrters, P. and Senkevich, A.  
Competing growth processes with random growth rates and random birth times.
Mailler, C.
[see: Bodini, O., Kious, D.]

Major, L.
[see: Clare, A.]

Majumdar, D., Ramanujan, M. S. and Saurabh, S.
On the Approximate Compressibility of Connected Vertex Cover. Algorithmica 82
https://doi.org/10.1007/s00453-020-00708-4

Majumdar, D.
[see: Gutin, G., Jacob, A.]

Makai, T.
[see: Fountoulakis, N., Jerrum, M. R., Kang, M.]

Malic, G. and Schroll, S.
Dessins d'enfants and Brauer configuration algebras. In: Neumann F., Schroll S.
(eds) Galois Covers, Grothendieck-Teichmüller Theory and Dessins d'Enfants.
Springer, Cham.
https://doi.org/10.1007/978-3-030-51795-3_10

Malle, G.
[see: Kessar, R.]

Malyshev, D.
[see: Alecu, B.]

Mandleshtam, O.
[see: Ayyer, A.]

Mangerel, A. P.
[see: Klurman, O.]

Manghuic, B., Peng, P. and Sun, H.

Manivel, L. Michalek, M., Monin, L., Seymraeeve, T. and Vodička, M.
Complete quadrics: Schubert calculus for Gaussian models and semidefinite
programming. Preprint.

Manlove, D. F., Milne, D. and Olaosebikan, S.
Student-project allocation with preferences over projects: Algorithmic and
https://doi.org/10.1016/j.dam.2020.08.015

Manlove, D. F. and Olaosebikan, S.
to appear.
https://doi.org/10.1007/s10878-020-00632-x

Manlove, D. F.
[see: Andersson, T. Cooper, F., Cseh, A. Delorme, M., Erdem, S.]

Mann, R.
Manna, P.
[see: Cameron, P. J.]

Manners, F. J.
[see: Gutman, Y.]

Marchant, D.
On the Möbius function of permutations under the pattern containment order. Preprint.

Mariot, L.
[see: Gadouleau, M.]

Markakis, E.
[see: Amanatadis, G.]

Markström, K.
[see: Falgas-Ravry V., Larsson, J.]

Marmolejo-Cossio, F.
[see: Goldberg, P. W.]

Martin, B., Paulusma, D. and Smith, S.
https://arxiv.org/pdf/2101.07856

Martin, B., Paulusma, D. and Smith, S.

Martin, B.
[see: Berthe, G., Bok, J., Brause, C., Carvalho, C., Dantchev, S., van Leeuwen, E. J.]

Martin, J. B. and Stasinski, R.
https://doi.org/10.1017/S0963548319000403

Martin, J. B.
[see: Ayyer, A., Holroyd, A. E.]

Martino, A., Tointon, M., Valianus, M. and Ventura, M.

Martín-Gutierrez, S.
[see: Devriendt, K.]

Martins, T.
[see: Berger, S., Kronenberg, G.]

Masařík, T.
[see: Dąbrowski, K. K.]

Maslova, N. V.
[see: Cameron, P. J.]

Mathé, A.
[see: Grabowski, Ł.]

Matheau-Raven, O.
[see: Bate, M.]

Matl, G. and Živný, S.
Using a Min-Cut Generalisation to Go Beyond Boolean Surjective VCSPs. *Algorithmica* 82 (2020) 3492-3520.
Matolcsi, D., Ruzsa, I. Z., Shakan, G. and Zhelezov, D.

Matros, L.
[see: Campos, M.]

Mattos, L.
[see: Liebenau, A.]

Mavronicolas, V., Michael, L., Papadopoulou Lesta, V., Persiano, G., Philippou, G. and Spirakis, P. G.
https://doi.org/10.1007/s00453-020-00783-7

Maxwell, A. and Swanepoel, K. J.
https://doi.org/10.1007/s00373-020-02183-8
https://arxiv.org/pdf/1903.07172

Maynard, J.
[see: Bloom, T. F., Koukoulopoulos, D. ]

Mayr, P.
[see: DeMeo, W.]

McBride, R.
[see: Gocht, S.]

McCarthy, J.
[see: Kastis, E.]

McCourt, G.
[see: DeBiasio, L.]

McCourt, T. A.
[see: Griggs, T. S.]

McCreesh, C., Pettersson, W. and Prosser, P.
The Glasgow Subgraph Solver: Using Constraint Programming to Tackle Hard
Subgraph Isomorphism Problem Variants. ICGT 2020 316-324.
https://doi.org/10.1007/978-3-030-51372-6_19

McCreesh, C.
[see: Elfers, J., Gocht, S.]

McDevitt, M. and Ruškuc, N.
Atomicity and well quasi-order for consecutive orderings on words and permutations.

McDiarmid, C. J. H., Scott, A. D. and Withers, P.
https://arxiv.org/pdf/1806.06433

McDiarmid, C. J. H. and Skerman, F.
211-243.
https://doi.org/10.1002/rsa.20910
https://arxiv.org/pdf/1808.02243
McDiarmid, C. J. H.
[see: Diaz, J.]

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

McInroy, J.
[see: Castillo-Ramirez, A.]

McKee, J. F. and Smyth, C.
Symmetrizable integer matrices having all their eigenvalues in the interval [-2,2].
Algebr. Comb. 3 (2020) 775-789
https://doi.org/10.5802/alco.113

McKenney, P.
[see: Corsten, J.]

Mead, L.
[see: Even-Zohar, C.]

Meeks, K. and Rastegari, B.
http://dx.doi.org/10.1016/j.tcs.2020.08.017
https://arxiv.org/pdf/1708.04109

Meeks, K. and Skerman, F.
The parameterised complexity of computing the maximum modularity of a graph.
Algorithmica 82 (2020) 2174-2199.
https://doi.org/10.1007/s00453-019-00649-7
https://arxiv.org/pdf/1807.06965

Meeks, K.
[see: Bumpus, B. M., Enright, J., Groenland, C., Lee, D.]

Megow, N.
[see: Durr, C.]

Mehatari, R.
[see: Cameron, P. J.]

Mehta, R.
[see: Fearnley, J.]

Meißner, J.
[see: Durr, C.]

Mendes, J.
[see: Kitaev, S.]

Mendonça, W.
[see: Berger, S., Corsten, J., Kohayakawa, Y., Liebenau, A.]

Mercier, V.
[see: Ciobanu, L.]

Merino, A., Mička, O. and Mütze, T.
On a combinatorial generation problem of Knuth. SODA21 735-743.
https://doi.org/10.1137/1.9781611976465.46

Merino, A. and Mütze, T.

[^26]: Journal version also submitted.
https://arxiv.org/pdf/2103.09333

Mertzios, G. B., Nichterlein, A. and Niedermeier, R.
https://doi.org/10.1007/s00453-020-00736-0

Mertzios, G. B., Molter, H., Renken, M., Spirakis, P. G. and Zschoche, P.
https://arxiv.org/pdf/2102.06783

Mertzios, G. B.
[see: Akrida, E. C., Deligkas, A., Enright, J.]
Methuku, A.
[see: Colluci, L., Damásdi, G., Ergemlidze, B., Gerbner, D., Grósz, D., Janzer, O., Kang, D.-Y., Kristschgau, J.]
Mezei, B., Wrochna, M. and Živný, S.
PTAS for Sparse General-Valued CSPs. Preprint. 

Mezei, B.
[see: Coja-Oghlan, A., Gerke, S.]
Michael, L.
[see: Mavronicolas, V.]
Michail, O, Skretas, G. and Spirakis, P. G.
Distributed computation and Reconfiguration in Actively Dynamic Networks. 
PODC20 448-457. 
https://doi.org/10.1145/3382734.3405744

Michail, O., Spirakis, P. G. and Theofilatos, N.

Michail, O.
[see: Almethen, A., Conner, M.]
Michalek, M.
[see: Manivel, L.]
Michalidis, D.
[see: Bowman C. D.]

Michelen, M. and Sahasrabudhe, J.
A characterization of polynomials whose high powers have non-negative coefficients. 
https://doi.org/10.19086/da.18560

Michelen, M. and Sahasrabudhe, J.
Random polynomials: the closest roots to the unit circle. Preprint. 

Michelen, M. and Sahasrabudhe, J.
Anti-concentration of random variables from zero-free regions. Preprint. 
https://arxiv.org/pdf/2102.07699

Michelen, M.
[see: Campos, .M.]
Mička, O.
[see: Gregor, P., Merino, A.]

Middleton, A.
[see: Briggs, K.]

van Mieghem, P.
[see: Devriendt, K.]

Mihaylov, T.
[see: Carmesin, J.]

Milans, K. G.
[see: Long, J. A.]

Miličević, L.
[see: Gowers, W. T.]

Milich, M., Mütze, T. and Pergel, M.

Miller, A.
[see: Barr, M.]

Miller, C., O’Reilly, G., Quick, M. R. and Ruškuc, N.
On separability finiteness conditions in semigroups. Preprint.

Milne, D.
[see: Manlove, D. F.]

Ming, Q.
[see: Du, D.]

Minzer, D.
[see: Keevash, P.]

Mirzaei, A.
[see: Bahonar, H.]

Miska, P. and Ward, T.
Stirling number and periodic points. Preprint.
https://arxiv.org/pdf/2102.07561

Misra, P.
[see: Fomin, F.]

Mitsche, D. and Penrose, M. D.

Mitsche, D.
[see: Diaz, J., Fountoulakis, N.]

Mitrović, S.
[see: Czumaj, A.]

Mizuta, H.
[see: Bonamy, M.]

Moffatt, I. and Oh, J.

Moffatt, I.
[see: Huggett, S.]

Mogge, Y.
[see: Clemens, D., Hahn-Klimorth, M.]
Mohamed, M.
[see: Charalampopoulos, P.]

Mohammadi, F., Monin, L. and Parisi, M.

Mohammadi, F., Pascual-Ortigosa, P., Sáenz-de-Cabezón, E. and Wynn, H. P.
https://doi.org/10.1007/s10801-019-00887-6

Mohammadi, F.
[see: Cid-Ruiz, Y.. Bonala, N. C., Clarke, O.]

Mohammed, M.
[see: Charalampopoulos, P.]

Mohar, B.
[see: Chan, T. F. N.]

Mohr, S.
[see: Cooper, J. W., Hahn-Klimroth, M.]

Mojallal, S. A.
[see: Cheon, G.-S.]

Molla, T.
[see: DeBiasio, L.]

Molter, H.
[see: Mertzios, G. B.]

Mond, A.
[see: Corsten, J.]

Monin, L.
[see: Cid-Ruiz. Y., Hofscheier, J., Manivel, L, Mohammadi, F.]

Monnot, J.
[see: Harutyunyan, A.]

Montemanni, R., Perkins, S. and Smith..D. H.
https://doi.org/10.3390/a13100253
https://pure.southwales.ac.uk/files/4241911/algorithms_13_00253.pdf

Montgomery, R.
https://doi.org/10.1017/S0963548320000140

Montgomery, R., Pokrovskiy, A. and Sudakov, B.
https://dx.doi.org/10.4171/JEMS/982
https://arxiv.org/pdf/1803.03316

Montgomery, R., Pokrovskiy, A. and Sudakov, B.

Montgomery, R.
https://doi.org/10.1016/j.jctb.2020.03.006 .
https://arxiv.org/pdf/1902.08133

https://doi.org/10.1007/s11856-020-2039-3


Moulay, D. and Yepremyan, L.

Mudgal, A.  
Diameter free estimates for the quadratic Vinogradov mean value theorem. Preprint.  

Mudgal, A.  

Mudgal, A.  
https://doi.org/10.1017/S000497272000060X  

Mühlenthaler, M.  
[see: Bonamy, M.]

Muller, C.  
[see: Bonamy, M.]

Müller, H.  
[see: Adler, I. Dyer, M. E., Heinrich, M.]

Müller, T. and Penrose, M. D.  
https://doi.org/10.1214/19-AAP1534  
https://arxiv.org/pdf/1805.08669

Müller, T.  
[see: Fountoulakis, N.]

Munaro, A.  
[see: Brettell N., Champseio, N., Galby, E., Long., J. A.]

Mungo, L.  
[see: Heinrich, T.]

Munha Correia, D.  
[see: Draganić, N.]

Murakami, Y.  
[see: Huber, K. T., van Iersel, L.]

Murphy, B. and Wheeler, J.  
https://doi.org/10.1137/20M1338265  

Murphy, B.  
[see: Moshchevitin, N.]

Murphy S., Paterson, M. B. and Swart, C.  

Mustafa, N. H.
Mütze, T. and Nummenpalo, J.
https://doi.org/10.1007/s00453-019-00640-2
https://arxiv.org/pdf/1606.06172

Mütze, T., Nummenpalo, J. and Walczak, B.
https://arxiv.org/pdf/1711.01636

Mütze, T. and Scheucher, M.
https://arxiv.org/pdf/1807.11043

Mütze, T.
[see: Aicholzer O., Gregor, P., Hartung, E., Hoang, H. P., Merino, A., Milich, M.]

Mycroft, R. and Naia, T.

Nachmias, A.
[see: Curien, N.]

Nadara, W.
[see: Groenland, C., Kowalik, L]

Nagai, Y.
[see: Aedo, I.]

Nágy, D. T.
[see: Damásdi, G., Gerbner, D.]

Nagy, Z. L.
[see: Grzesik, A., Janzer, O.]

Naia, T.
[see: Barros, G. F., Mycroft, R.]

Naima, M.
[see: Bodini, O.]

Nanongkai, D.
[see: Bernstein, A.. Bhattacharya, S.]

Naomi Costa, A.
[see: Andersson, T.]

Narayanan, B. P.

Narboni, J.
[see: Bonamy, M.]

Nath, R.
[see: Gramain, J.-B.]

Navarra, A.
[see: Gąsieniec, L.]

Neary, P.
[see: Gutin, G.]

Neis, P.
[see: Lewis, R.]

Nenadov, R., Sudakov, B. and Tyomkyn, M.
https://doi.org/10.1017/S0305004119000203
https://arxiv.org/pdf/1902.07614

Neogi, R., Ramanujan, M. S., Saurabh, S. and Sharma, R.
On the Parameterized Complexity of Deletion to H-free Strong Components.
MFCS2020 75:1-75:13
https://doi.org/10.4230/LIPIcs.MFCS.2020.75

Nepsinska, S.
[see: Huczynska, S.]

Nešetřil, J.
[see: Evans, D. M.]

Nestoridi, E. and Olesker-Taylor, S.

Neumann, F.
[see: Bossek, J.]

Ngwava, K. A.
[see: Gill, N.]

Nichterlein, A.
[see: Mertzios, G. B.]

Nicolaides, V.
[see: Kelsey, V.]

Niedermeier, R.
[see: Mertzios, G. B.]

Nikoletseas, S.
[see: Akrida, E. C.]

Nixon, A.
Assur decompositions of direction-length frameworks. 18th Cologne-Twente Workshop on Graphs and Combinatorial Optimization.
https://eprints.lancs.ac.uk/id/eprint/142822/1/NixonAssurDirectionLength.pdf

Nixon, A.
[see: Chen, B., Clinch, K., Cruickshank, J., Dewar, S., Guler, H., Jackson, B., Kitson, D.]

Noble, S. D.
[see: Bonin, J.]

Noel, J. A.
[see: Brewster, R C, Chan, T. F. N., Dvořák, Z., Král’, D.]

Noferini, V.
[see: Arrigo, F.]

Nolan, B.
[see: Launois, S.]

Nordström, J.
[see: Elfers J. Gocht, S.]

Norin, S., Scott, A. D. and Wood, D. R.
Clustered colouring of graph classes with bounded treedepth or pathwidth. Preprint.

Norin, S.
[see: Dvořák, Z., Král’, D.]
https://doi.org/10.1214/20-ECP331
https://arxiv.org/pdf/1911.05581

Olesker-Taylor, S. and Sousi, P. 27
https://doi.org/10.1214/20-AIHP1057
https://arxiv.org/pdf/1807.04719

Olesker-Taylor, S. 
[see: Hermon, J., Nestoridi, E.]

Oliviera, I. C. 
[see: Chen, L.]

Olšák, M. 
[see: Bodirsky, M.]

Onak, K. 
[see: Czumaj, A.]

Opršal, J. 
[see: Bodirsky, M., Guruswamy, V. Krokhin, A.]

O’Reilly, G., Quick, M. R. and Ruškuc, N. 
On separability properties in direct products of semigroups. Preprint. 
https://arxiv.org/pdf/2102.10872

O’Reilly, G. 
[see: Miller, C.]

Ordyniak, S. 
[see: Dąbrowski, K. K., Gutin, G.]

Ortgiese, M. 
[see: Lodewijks, B.]

---

27 (Versions of this and the next paper have appeared before with Olesker-Taylor’s surname given as Thomas).
Osthus, D.
Ostrov, G.
[see: Dąbrowski, K. K.]
Oum, S.
[see: Dąbrowski, K. K., Kang, D.-Y.]
Owen, M.
[see: Bordewich, M.]
Oxley, J. G.
[see: Drummond, G.]
Ozlen, M. and Pettersson, W.
http://dx.doi.org/10.1287/ijoc.2018.0875
Pach, J.
[see: Korándi, D.]
Pach, P. P.
[see: Liu, H.]
Pachon, A.
[see: De Ambroggio, U.]
Padungwech R.
[see: Lewis, R.]
Pandurangan, G.
[see: Gilbert, S.]
Paesani, G.
[see: Bodlaender, H, Brettell, N., Dąbrowski, K. K.]
Paget, R. E. and Wildon, M. R.
Plethysms of symmetric functions and representations of $SL_2(\mathbb{C})$. *Algebr. Comb.* 4 (2021) 47-68
https://doi.org/10.5802/alco.150
https://arxiv.org/pdf/1907.07616
Palincza, R.
[see: Liu, H.]
Pallikaros, C. A.
[see: McDonough, T. P.]
Pálvölgyi, D.
[see: Damásdi, G., Frankl, N., Gerbner, D.]
Pamfil, A. R.
[see: Howison, S. D.]
Panagiotis, C.
Panagiotis, C.
[see: Georgakopoulos, A., Haslegrave, J.]
Pangallo, M.
[see: Heinrich, T.]
Panolan, F.
[see: Agrawal, A.]
Panov, T.
[see: Grbić, J.]
Pantone, J.  
[see: Bevan, D.]  

Papadaki, K.  
[see: Alpern, S.]  

Papadopoulos, K.  
[see: Carvalho, I. A.]  

Papadopoulou Lesta, V.  
[see: Mavronicolas, V.]  

Paryczk, O.  
https://doi.org/10.1016/j.ejc.2020.103118  

Paryczk, O.  
[see: Allen, P., Barros, G. F., Ben-Eliezer, O., Berger, S., Böttcher, J., Clemens, D., Gebhard, O., Hahn-Klimroth, M., Han, J.]  

Parker, C. and Semeraro, J.  

Parter, M.  
[see: Czumaj, A.]  

Pascual-Ortigosa, P., Saenz-de-Cabezón, E. and Wynn, H. P.  

Pasquali, A.  
[see: Baur, K.]  

Patel, V.  
[see: Buys, P., Lo, A.]  

Paterson, M. B. and Stinson, D. R.  
https://doi.org/10.1515/jmc-2019-0048  

Paterson, M. B. and Stinson, D. R.  
Splitting authentication codes with perfect secrecy: new results, constructions and connections with algebraic manipulation detection codes. Preprint.  
https://arxiv.org/pdf/2104.11076  

Paterson, M. B.  
[see: Huczynska, S., Murphy, S.]  

Paterson, M. S.  
[see: Akitaya, H. A., Chikin, N., Chistikov, D., Conway, J. H., Czumaj, A.]  

Patkós, B.  
[see: Damásdi, G., Frankl, N.]  

Pauksztello, D.  
[see: Canakci, I.]  

Paulusma, D.  
Pedroso, J.
[see: Biró, P.]

Pegden, W.
[see: Frieze, A. M.]

Pehova, Y.
[see: Blumenthal, A., Chan, T. F. N., Liebenau, A.]

Pekárek, J.
[see: Bonamy, M.]

Pekarkova, K.
[see: Chan, T. F. N.]

Peluse, S.
https://doi.org/10.1017/fmp.2020.11

Peluse, S.
On even entries in the character table of the symmetric group. Preprint.

Peluse, S. and Prendiville, S.
https://doi.org/10.1093/imrn/rnaa261

Peña Gamboa, L.
[see: Clare, A.]

Penev, I.
[see: Maffray, F.]

Peng, P. and Yoshida, Y.

Peng, P.
[see: Adler, I., Bossek, J., Czumaj, A., Henzinger, M., Manghuci, B.]

Pennington, S.
[see: Eslava, L.]

Penrose, M. D.
[see: Mitsche, D., Müller, T.]

Penschuck, M.
[see: Gebhard, O.]

Penso-Dolfin, L.
[see: Greenman, C.]

Perarnau, G.
[see: Chapuy, G., Delcourt, M.]

Peres, Y., and Swan, A.
http://dx.doi.org/10.1214/20-ECP320

Peres, Y.
[see: Holroyd, A. E.]

Pergel, M.
Pétréolle, M. and Sokal, A. D.
https://doi.org/10.1016/j.ejc.2020.103235
https://arxiv.org/pdf/1907.02645

Pétréolle, M., Sokal, A. D. and Zhu, B.-X.

Petridis, G., Roche-Newton, O, Rudnev, M. and Warren, A.
https://doi.org/10.1093/imrn/rnaa130
https://arxiv.org/pdf/1911.03401

Pettersson, W.
[see: Andersson, T., Biró, P., Bumpus, B. M., Delorme, M., McCreesh, C., Ozlen, M.]

Peyerimhoff, N.
[see: Cushing, D., Liu, S.]

Pfeiffer, M.
[see: Jefferson, C.]

Pfender, F.
[see: Blumenthal, A.]

Pfenninger, V.
[see: Lo, A.]

Philippou, G.
[see: Mavronicolas, V.]

Pic, S.
[see: Gadouleau, M.]

Pich, J.
[see: Chen, L.]

Pierro, E.
The order complex of $PGL_2(p^{2^n})$ is contractible when $p$ is odd. Preprint.

Pierro, E.
[see: Glasby, S. P.]

Pieron, T.
[see: Bonamy, M., Cooper, J. W.]

Piguet, D.
[see: Hladký, J.]
Pike, D. A.
[see: Barnetson, K. D.]
Pikhurko, O.
Pikhurko, O.
[see: Banakh, T., Blumenthal, A., Conley, C. T., Cooley, O., Grabowski, L., Grebik, J., Kang, M., Kim, J., Liu, H.]
Pilipczuk, M.
[see: Bonamy, M., Cygan, J., Giannopoulou, A., Kratsch, S.]
Pillay, A.
[see: Conant, G.]
Pinoksa, M.
[see: Bodirsky, M.]
Pinto, T.
[see: Johnson, J. R.]
Pirot, F.
[see: Bonamy, M.]
Pisanski, T.
[see: Anstöter, C. S.]
Pisanti, N.
[see: Alzamel, M., Ayad, L. A. K., Charalampopoulos, P.]
Pissis S. P.
Pluhár. A.
[see: Balogh, J.]
Pohoata, C.
[see: Janzer, O., Klurman, O.]
Pokorski, K.
[see: Charalampopoulos, P.]
Pokrovskiy, A.
Rota's Basis Conjecture holds asymptotically. Preprint.
Pokrovskiy, A. and Sudakov, B.
http://dx.doi.org/10.1137/18m1199125
Pokrovskiy, A.
[see: Balogh J., Benzing, F., Bucić, M., Bustamante, S., Corsten, J., Das, S., Keevash, P., Korándi, D., Letzter, S., Montgomery, R.]
Polcyn, J.
[see: Allen, P.]
Polito, F.
[see: De Ambroogio., U.]
Popielarz, K.
[see: Girão, A.]
Pórá, A.
[see: Balko, M., Bárány, I.]
Porter, M. A.
Power, S. C.
https://doi.org/10.3318/pria.2020.120.06

Power, S. C.
[see: Babunin, I.]

Powierski, E.
[see: Balister, P. N.]

Praeger, C. E.
[see: Bailey, R. A. Bamberg, J., Glasby, S. P.]

Prasse, B.
[see: Devriend, K.]

Prellberg, T.
[see: Khalid, A.]

Prendiville, S.

Prendiville, S.
[see: Chow, S., Peluse, S.]

Proserpio, D.
[see: Babunin, I.]

Prosser, P.
[see: Erdem, S., Gocht, S., McCreesh, C.]

Protasov, I.
[see: Banakh, T.]

Protopapas, N.
[see: Caragiannis, I.]

Przykucki, M. J. and Shelton, T.
https://doi.org/10.37236/9582

Przykucki, M. J.
[see: Fountoulakis, N.]
Quick, M. R.  
[see: Miller, C., O’Reilly, G.]

Quigley, A. J.  
[see: Bastin, M. E.]

Räcke, H.  
[see: Englert M.]

Radcliffe, A. J.  
[see: Kirsch, R.]

Radoszewski, J.  

Radovanović, M., Trotignon, N. and Vušković, K.  
https://doi.org/10.1016/j.jctb.2020.06.002  

Radzik, T.  
[see: Berenbrink, P.]

Raiffenhaüser, R.  
[see: Amanatadis, G.]

Rajchgot, J.  
[see: Escobar, L.]

Rajgopal, N.  
[see: Chen, L.]

Ralston, S. H.  
[see: Amit, E. N.]

Raman, V., Ramanujan, M. S. and Saurabh, S.  
https://doi.org/10.1016/j.ipl.2020.105964

Raman, V.  
[see: Jacob, A.]

Ramanujan, M. S.  
[see: Agrawal, A., Fomin, F., Gajarský, J., Harrenstein, P., Lokshtanov, D., Majundar, D., Neogi, R., Raman, V.]

Ramezani, F., Rowlinson, P. and Stanić, Z.  
https://doi.org/10.1016/j.disc.2020.111982  
https://arxiv.org/pdf/1911.01113

Ramezani, F., Rowlinson, P. and Stanić, Z.  
https://dx.doi.org/10.21136/CMJ.2021.0256-20  

Ramezani, F., Rowlinson, P. and Stanić, Z.  
More on signed graphs with at most three eigenvalues, *Discuss. Math., Graph Theory* (2021)  
https://dx.doi.org/10.7151/dmgt.2393  

Randelović, Z.  
[see: Leader, I. B.]

Rannikmae, K.
Raptopoulos, C.
[see: Akrida, E. C.]

Raskin, M.
[see: Casteights, A.]

Rastegari, B.
[see: Meeks, K.]

Rath, D.
[see: Crane, E.]

Räty, E.
[see: Leader, I. B.]

Rawitz, D.
[see: Bar-Noy, A.]

Raymond, J.-F.
[see: Bonamy, M., Giannopoulou, A.]

Razgon, I.
Classification of OBDD size for monotone 2-CNFs. Preprint.

Razgon, I.
[see: Lozin, V. V.]

Reed, B. A.
[see: Huynh, T.]

Regts, G.
[see: Buys, P.]

Reiher, C.
[see: Liu, H.]

Renken, M.
[see: Casteights, A. Mertzios, G. B.]

Reinert, G.
[see: Bazzi, M.]

Richerby, D.
[see: Blume, T., Goldberg, L. A.]

Richter, F. K.
[see: Bergelson, V.]

Ries, B.
[see: Champseio, N.]

Rincón, E. F., Vinzant, C. and Yu, J.
Positively hyperbolic varieties, tropicalization, and positroids
https://doi.org/10.1016/j.aim.2021.107677
https://arxiv.org/abs/1907.08545

Rincón, E. F.
[see: Maclagan, D.]

Riordan, O. M.
[see: Heckel, A.]

Ritter, C.
[see: Creech, S.]

Rivera, N., Sauerwald, T., and Sylvester, J.
Multiple Random Walks on Graphs: Mixing Few to Cover Many. Preprint
Roberson, D. E. and Schmidt, S.
Quantum symmetry vs nonlocal symmetry. Preprint.
https://arxiv.org/pdf/2012.13328

Roberts, A.
Tree matchings. *J. Graph Theory* 95 (2020) 59-75.
https://doi.org/10.1002/jgt.22528
http://people.maths.ox.ac.uk/robertsa/treematch.pdf

Roberts, A.
[see: Aru, J., Barber. B., Morrison, N. ]

Roberts, A. M.
Quaternary Hermitian self-dual codes of lengths 26, 32, 36, 38 and 40 from modifications of well-known circulant constructions. Preprint.
https://arxiv.org/pdf/2102.12326

Roberts, A. M.
[see: Gildea, J.]

Roberts, B.
[see: Han, J.]

Roberts, M. I.
[see: De Ambroggio,, U.]

Robertson,, G.
[see: Ferguson, A.]

Robinson, P.
[see: Gilbert, S.]

Rocha, I.
[see: Doležal, M., Grebik, J.]

Roche-Newton, O.
[see: Hanson, B.,, Petridis, G.]

Rodrigues, B. G.
[see: Key, J. D.]

Rogers, T.
[see: Metz, F.]

Rolvien, M.
[see: Gebhard, O.]

Romero, M., Wrochna, M. and Živný, S.
Treewidth-Pliability and PTAS for Max-CSPs. SODA21 473-483.
https://doi.org/10.1137/1.9781611976465.29
https://arxiv.org/pdf/1911.03204

Romero, M.
[see: Carbonnel, C.]

Roney-Dougal, C. M.
[see: Cameron, P/J., Kelsey, V.]

Roos, J.
[see: Dyer, M. E.]

Rosone, G.
[see: Alzamel, M., Ayad, L. A. K.]

Rote, G.
[see: Bárány, I.]

Roth, M.

---

28 Journal version also submitted.
https://doi.org/10.1016/j.laa.2021.03.018

On the number of hinges defined by a point set in $\mathbb{R}^2$. *Combinatorica* 40 (2020) 749–757.
http://dx.doi.org/10.1007/s00493-020-4171-4


Incidence bounds with Möbius hyperbolae in positive characteristic. Preprint.

[see: Focke, J.]
**Roughgarden, T.**
[see: Husić, E.]
**Rowland, E.**
[see: Krattenhaler, C.]
**Rowley, P. J.**
[see: Kelsey, V.]
**Rowlinson, P. and Stanić, Z.**

[see: Ramezani, F.]
**Royle, G. F.**
[see: Bailey, R. A., Holt, D. F.]
**Rožhoň, V.**
[see: Doležal, M., Grebik, J.]
**Rudnev, M.**

[see: Bradshaw, P., Hanson, B., Petridis, G.]
**Ruškuc, N.**
[see: DeMeo, W., East, J., Gray, R. D. McDevitt, M., Miller, C., O’Reilly, G.]
**Russell, P. A.**
[see: Leader, I. B.]
**Rutherford, C. G.**
[see: Forbes, A. D.]
**Ruzsa, I. Z.**
[see: Matolcsi, D.]
**Ryan, B.**
[see: Barnetson, K. D.]
**Ryan, J.**
[see: Enright, J.]
**Rytter, W.**
[see: Ajala, O. I., Charalampopoulos, P., Crochemore, M.]
**Rzązewski, P.**
[see: Dąbrowski, K. K.]
**Sacerdote, L.**
[see: De Ambroggio, U.]
**Sadri, S. A.**

Salez, J.
[see: Hermon, J.]

Salia, N.
[see: Ergemlidze, B., Erskine, G.]

Sanbekyan, H.
[see: Giakouppis, G.]

Sanders, T.
https://doi.org/10.1017/S0013091520000048

Sanders, T.
https://doi.org/10.4153/S0008414X1900049X
https://arxiv.org/pdf/1804.03356

Sanders, T.
https://doi.org/10.1007/s10474-020-01079-6

Sangha, P. and Žito, M.
https://doi.org/10.1016/j.dam.2019.03.029

Sanhueza-Matamala, N.
[see: Han, J.]

Sankaran, G. K. and Santos, F.
https://arxiv.org/pdf/1911.06435
Sankowski, P.
[see: Czumaj, A.]
Santos, F.
[see: Sankaran, G. K.]
Santos de Lima, M.
[see: Erlebach, T.]
Santhanam, R.
[see: Chen, L.]
Sanyal, R.
[see: Loho, G.]
Saranurak, T.
[see: Bernstein, A., Bhattacharya S.]
Sato, S.
[see: Fujita, M.]
Sauerwald, T.
[see: Cai L., Georgakopoulos, A., Giakouppis, G., Haslegrave, J., Rivera, N.]
Saurabh, S.
[see: Agrawal, A., Cygan, J., Lokshtanov, D., Majundar, D., Neogi, R., Raman, V.]
Savani, R.
[see: Deligkas, A. Fearnley, J.]
Sawada, J.
[see: Gregor, P.]
Scarlett, J.
[see: Gebhard, O.]
Schaller, D.
[see: Geiss, M., Hellmuth, M.]
Schapira B.
[see: Kious, D.]
Schaub, M.
[see: Bick, C.]
Scheipers, M.
[see: Fountoulakis, N.]
Scherp, A.
[see: Blume, T.]
Schreucher, M.
[see: Balko, M., Mütze, T.]
Schlumprecht, T.
[see: Baudier, F. P.]
Schmidt, S.
[see: Roberson, D. E.]
Schmutz, E.
[see: Acan, H.]
Schneider, Cs.
[see: Bailey, R. A.]
Scholz, G. E.
[see: Huber, K. T.]
Schroll, S. and Treffinger, H.
Schroll, S., Treffinger, H. and Valdivieso, Y.

https://arxiv.org/abs/1911.09021

Schroll, S.
[see: Asadollahi, J., August. J., Canakci, I., Chang, W., Chaparro, C., Labardini-Fragoso, D., Malic, G.]

Schülke, B.
[see: Kohayakawa, Y.]

Schulze, B.
[see: Cruickshank, J., Clinch, K., Kaszanitzky, V., Kitson, D.]

Schymura, G.
[see: Loho, G.]

Scott, A. D. and Seymour, P. D.

https://doi.org/10.1016/j.jctb.2020.01.004

https://people.maths.ox.ac.uk/scott/Papers/bananatrees.pdf

Scott, A. D. and Seymour, P. D.

https://doi.org/10.1002/jgt.22601

https://arxiv.org/pdf/1812.07500

Scott, A. D. Seymour, P D, and Spirkl, S.
Pure pairs V. Excluding some long subdivision. Preprint.


Scott, A. D. Seymour, P D, and Spirkl, S.
Pure pairs VII. Homogeneous submatrices in 0/1-matrices with a forbidden submatrix. Preprint.

https://arxiv.org/pdf/2101.03537

Scott, A. D. Seymour, P D, and Spirkl, S.
Induced subgraphs of graphs with large chromatic number. XIV. Excluding a biclique and an induced tree. Preprint.

https://arxiv.org/pdf/2104.07927

Scott, A. D. and Wood, D. R.

https://doi.org/10.1017/S0305004119000525

https://people.maths.ox.ac.uk/scott/Papers/sepdimension.pdf

Scott, A. D.

Secco, M.
[see: Griffiths, S.]

Seemann, C. R.
[see: Hellmuth, M.]

Sellers, J. A.
[see: Gramain, J.-B.]

Semeraro, J.


Semeraro, J.
Semukhin, P.
[see: Bell, P. C., Diekert, V.]

Senkevich, A.
[see: Mailer, C.]

Serhiyenko, K.
[see: Baur. K.]

Sevennani, M.
[see: Archibald, B.]

Seymour, P. D.
[see: Chudnovsky, M., Scott, A.. D.]

Seymraeve, T.
[see: Manivel, L.]

Sgouritsa, A.
[see: Christodoulou, G.]

Shakan, G.
https://doi.org/10.1137/20M1335030

Shakan, G.
[see: Granville, A., Matolcsi, D., Rudnev, M.]

Shapira, A.
[see: Amir, A., Bucić, M.]

Shapiro, M.
[see: Felikson, A.]

Sharifzadeh, M.
[see: Chan, T. F. N., Kim, J., Liu, H.]

Sharma, R.
[see: Lokshtanov, D., Neogi, R.]

Shaw, A.
[see: Dvořák, V.]

Sheats, H.
[see: DeBiasio, L.]

Shelton, T.
[see: Przykucki, M. J.]

Shi, Y.
[see: Ai, J., Gu, R.]

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[see: Montemanni, R.]

Smith, J. P.
[see: Govc, D.]

Smith, K. M.
https://doi.org/10.1038/s41598-021-81547-3
https://www.nature.com/articles/s41598-021-81547-3.pdf

Smith, K. M.
[see: Amit, E. N., Bastin, M. E., Escudero. J., Ferguson, A.]

Smith, S.
Multiple Laguerre polynomials: Combinatorial model and Stieltjes moment representation. Preprint.  
https://arxiv.org/pdf/2104.08516

https://doi.org/10.1002/rsa.20908  
Stacho, J.
[see: Atminas, A.]

Staden, K. and Treglown, A.
https://doi.org/10.1017/fms.2020.39
https://arxiv.org/pdf/1807.09668

Staden, K.
[see: Keevash, P., Liu, H.]

Stadler, P. F.
[see: Geiss, M., Hellmuth, M.]

Stagg, G. W.
[see: Cushing, D.]

Stančić, Z.
[see: Ramezani, F., Rowlinson, P.]

Stansifer, M.
Regular coverings and parallel products of Farey maps. Preprint.
https://arxiv.org/pdf/2104.03905

Stasinski, R.
[see: Martin, J. B.]

Staynova, P.
[see: Aedo, I.]

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[see: Bezakova, I., Chen, Z., Efthymiou, C.]

Steiner, R.
[see: Aicholzer, O.]

Steingrímsson, E.
http://dx.doi.org/10.4310/JOC.2020/v11.n3/a
https://arxiv.org/pdf/math/0605670

Steingrímsson, E.
[see: Bernini, A., Blitvić, N., Cerbai, M.]

von Stengel, B.

Stevens, M.
[see: Bonneux, N.]

Stevens, S.
[see: Rudnev, M.]

Stewart, I. A.
Using semidirect products of groups to build classes of interconnection networks.
https://doi.org/10.1016/j.dam.2019.12.014
http://community.dur.ac.uk/i.a.stewart/Papers/Semidirect.pdf

Stewart, J.
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[see: Bonamy, M.]
Svensson, O., Tarnawski, J. and Végh, L. A.
https://doi.org/10.1145/3424306
Svensson, O.
[see: Ahmadian, S.]
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[see: Bauerschmidt, R., Peres, Y.]

Swanepoel, K. J.
https://doi.org/10.37236/8887

Swanepoel, K. J.
[see: Balko, M. Lin, A., Maxwell, A.]

Swart, C.
[see: Murphy, S.]

Sylvester, J.
Random Walk Hitting Times and Effective Resistance in Sparsely Connected Erdős-Rényi Random Graphs. *J. Graph Theory* 96 (2021) 44-84
https://doi.org/10.1002/jgt.22551
https://arxiv.org/pdf/1612.00731

Sylvester, J.
The Cover Time of a (Multiple) Markov Chain with Rational Transition Probabilities is Rational. Preprint.
https://arxiv.org/pdf/2102.12356

Sylvester, J.
[see: Georgakopoulos, A. Haslegrave, J., Rivera, N.]

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[see: Balogh, J., Corsten, J.]

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Terpai, T.
Adiprasito, K.
Terry, C. and Wolf, J.
https://doi.org/10.1090/tran/8056

Terry, C.
[see: Conant, G.]

Tessera, R. and Tointon, M.
https://arxiv.org/pdf/1908.06044

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[see: Chen, B., Connelly, R., Gortler, S.]

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[see: Bridoux, F.]

Thiery T. and Ward, J.
Two-Sided Weak Submodularity for Matroid Constrained Optimization and Regression. Preprint.

Thiery, T.
[see: Huang, C.-C.]

Thilikos, D. M.
[see: Giannopoulou, A.]

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Toft, B. and Wilson, R.J.
Tointon, M.
https://arxiv.org/pdf/1812.06735
Tointon, M.
Tointon, M.
https://doi.org/10.1112/jlms.12305
https://arxiv.org/pdf/1707.05565
Tointon, M.
[see: Hutchcroft, T.. Martino, A., Tessera, R. ]
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[see: Asadollahi, J, Schroll, S.]
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[see: Alshorman, R, Gilbert, S., Hussak, W.]
Trimble, J.
PACE Solver Description: Bute-Plus: A Bottom-Up Exact Solver for Treedepth.
IPEC2020 34:1-34:4
Trimble, J.
PACE Solver Description: Tweed-Plus: A Subtree-Improving Heuristic Solver for Treedepth. IPEC2020 35:1-35:4
https://doi.org/10.4230/LIPIcs.IPEC.2020.35

Trimble, J.
An Algorithm for the Exact Treedepth Problem. SEA2020 19:1-19:14
https://doi.org/10.4230/LIPIcs.SEA.2020.19

Trimble, J.
[see: Gocht, S.]
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[see: Andersson, T.]
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[see: Chen, Z., Dyer, M. E. Efthymiou, C.]
Vinzant, C.
[see: Rincón, E. F.]
Viola, C. and Živný, S.
The combined basic LP and affine IP relaxation for promise VCSPs on infinite domains. MFCS2020.
http://dx.doi.org/10.4230/LIPIcs.MFCS.2020.85
Virchow, S.-C.
[see: Eberhard, S.]
de Visscher, M.
[see: Bowman, C. D.]
Vizer, M.
Wahlström, M.
On quasipolynomial multicut-mimicking networks and kernelization of multiway cut problems. ICALP2020
https://doi.org/10.4230/LIPIcs.ICALP.2020.101

Wahlström, M.
[see: Bang-Jensen, J., Cygtań, J., Gutin, G., Kim, E. J., Kowalik, L., Kratsch, S.]

Wajc, D.
[see: Bhattacharya, S.]

Walczak, B.
[see: Groenland, C., Mütze, T.,]

Waldecker, R.
[see: Jefferson, C.]

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[see: Crochemore, M.]

Walker, A.

Walker, A. and Walker, A.
https://doi.org/10.1080/00029890.2020.1682888
https://arxiv.org/pdf/1809.02430

Walker, A.
[see: Bloom, T. F.]

Wallace, M.
[see: Cohen, D. A.]

Wang, B.
[see: Garcia-Pulido, A.]

Wang, C.
[see: Chen, B.]

Wang, G.
[see: Liu, H.]

Wang, L.
[see: Liu, K.]
The multistep homology of the simplex and representations of symmetric groups.


https://doi.org/10.1017/S0305004119000124
Wildon, M. R.
[see: Britnell, J. R., Paget, R. E.]
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[see: Bodirsky, M.]
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Williams, T.
[see: Cai, J.-Y.]
Wilsher, M.
[see: Dettmann, C. P.]
Wilson, J.
Surface cluster algebra expansion formulae via loop graphs. Preprint.
Wilson, J.
Laurent phenomenon algebras arising from surfaces II: Laminated surfaces. Selecta Mathematica 26 (2020) article 72.
https://doi.org/10.1007/s00029-020-00591-5
https://arxiv.org/pdf/1802.06962
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[see: Aziz, F., Bahonar, H., Liu, K.]
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[see: Chan, T. F. N., Huynh, T., Kamčev, N., Norin, S. Scott, A. D.]
Wrochna, M.
Smaller counterexamples to Hedetniemi's conjecture. Preprint.
Wrochna, M.
https://doi.org/10.4230/LIPIcs.IPEC.2020.36
Wrochna, M.
https://doi.org/10.1137/17M1122578
https://arxiv.org/pdf/1408.2812

Wrochna, M. and Živný, S.
Improved hardness for H-colourings of G-colourable graphs. SODA2020 1426-1435.
https://doi.org/10.1137/1.9781611975994.86

Wrochna, M.
[see: Brakensiek, J., Brandts, A., Giannopoulou, A., Krokhin, A., Mezei, B., Romero, M.]

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Young, D.  
Linear k-chord diagram. *J. Integer Seq.* 23 (2020) Article 20.9.1. 29

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29 This was in the Bulletin last year (not yet published then) under a slightly different title.
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https://global.oup.com/academic/?lang=en&cc=gb
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. They are taken, for consistency, mostly from Zentralblatt. 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.

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<tr>
<th>Journal Abbreviation</th>
<th>Full Journal Name</th>
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<tr>
<td>ACM J. Exp. Algorithm</td>
<td>The ACM Journal of Experimental Algorithmics</td>
</tr>
<tr>
<td>ACM Trans. Algorithms</td>
<td>ACM Transactions on Algorithms</td>
</tr>
<tr>
<td>ACM Trans. Comput. Logic</td>
<td>ACM Transactions on Computation and Logic</td>
</tr>
<tr>
<td>Acta Inf</td>
<td>Acta Informatica</td>
</tr>
<tr>
<td>Adv. Comb.</td>
<td>Advances in Combinatorics</td>
</tr>
<tr>
<td>Adv. Geom.</td>
<td>Advances in Geometry</td>
</tr>
<tr>
<td>Adv. Math.</td>
<td>Advances in Mathematics</td>
</tr>
<tr>
<td>Aequationes Math.</td>
<td>Aequationes Mathematicae</td>
</tr>
<tr>
<td>Algebra Colloq.</td>
<td>Algebra Colloquium</td>
</tr>
<tr>
<td>Algebr. Comb</td>
<td>Algebraic Combinatorics</td>
</tr>
<tr>
<td>Algebr. Represent. Theory</td>
<td>Algebras and Representation Theory</td>
</tr>
<tr>
<td>Algebra Univers.</td>
<td>Algebra Universalis</td>
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<tr>
<td>Algorithmica</td>
<td>Algorithmica</td>
</tr>
<tr>
<td>Algorithms. Comb.</td>
<td>Algorithms and Combinatorics</td>
</tr>
<tr>
<td>Am. J. Math</td>
<td>American Journal of Mathematics</td>
</tr>
<tr>
<td>Anal. PDE</td>
<td>Analysis and PDE</td>
</tr>
<tr>
<td>Arch. Math. Logic</td>
<td>Archive for Mathematical Logic</td>
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<tr>
<td>Arch. Math.</td>
<td>Archiv der Mathematik</td>
</tr>
</tbody>
</table>
Ars. Comb. – Ars Combinatorica.
Ars Math. Contemp. - Ars Mathematica Contemporanea
Bernoulli – Bernoulli
Combinatorica – Combinatorica
Commun. Algebra – Communications in Algebra
Commun. Math. Phys. – Communications in Mathematical Physics.
Compos. Math. – Compositio Mathematica,
Comput. Complexity – Computational Complexity
Comput. Geom. – Computational Geometry
Congr. Numerantium - Congressus Numerantium
Contemp. Math. – Contemporary Mathematics
Contrib. Discrete Math. – Contributions to Discrete Mathematics
Des. Codes. Cryptography – Designs, Codes and Cryptography
Discrete Anal. – Discrete Analysis
Discrete Comput. Geom. – Discrete & Computational Geometry
Discrete Contin. Dyn. Syst. - Discrete and Continuous Dynamical Systems
Discrete Math. – Discrete Mathematics
Discrete Optim. – Discrete Optimization
Discuss. Math. Graph Theory. - Discussiones Mathematicae. Graph Theory
Electron. J. Comb. – The Electronic Journal of Combinatorics
J. Comb. Optim. – Journal of Combinatorial Optimization
J. Comb. Theory Ser. A/B – Journal of Combinatorial Theory Series A (or B)
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. Reine Angew. Math. – Journal für die Reine und Angewandte Mathematik
J. Sched. – Journal of Scheduling
Lect. Notes Math. - Lecture Notes in Mathematics
Lect. Notes Comput. Sci. – Lecture Notes in Computer Science
Linear Algebra Appl. – Linear Algebra and its Applications.
Math. Gaz. – Mathematical Gazette
Stat Probab Lett. – Statistics and Probability Letters
Stochastic Processes Appl. – Stochastic Processes and their Applications
Theory Comput. – Theory of Computation
Topolog. Appl. – Topology and its Applications
Turk. J. Math. – Turkish Journal of Mathematics
Util. Math. – Utilitas Mathematica
4OR: A Quarterly Journal of Operations Research