Alexey Pokrovskiy | C.V.

Departement of Economics, Mathematics, and Statistics
Birkbeck, University of London
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Education

British Mathematical Colloquium

2015 London Colloquia in Combinatorics

"Calculating Ramsey numbers by partitioning coloured graphs"

"Ramsey goodness of paths"

"Connectedness in tournaments"

Annual Berlin-Poznań Seminar

London 2009–2013
Cambuidea
Cambridge 2008–2009
Cambridge
2005–2008
London
2018-present
Zürich
2015–2018
Berlin
2013–2015
Harvard
07/02/2018

Bristol

London

22/03/2016

14/05/2015

23/05/2014

Hamburg

Accepted papers

R. Montgomery, A. Pokrovskiy, B. Sudakov J. Europ. Math. Soc. "Embedding rainbow trees with applications to Accepted graph labelling and decomposition R. Montgomery, A. Pokrovskiy, B. Sudakov Proc. Lond. Math. Soc. "Decompositions into spanning rainbow structures" Accepted R. Javadi, F. Khoeini, G. R. Omidi, A. Pokrovskiy Combin. Probab. Comput. "On the size-Ramsev number of cycles" Accepted F. Benzing, A. Pokrovskiy, B. Sudakov Europ. J. Combin. "Long directed rainbow cycles and rainbow spanning trees" Accepted **Published papers** 2019... A. Pokrovskiy, B. Sudakov Proc. Amer. Math. Soc. "A counterexample to Stein's Equi-n-square Conjecture" 147 (2019), 2281-2287 A. Abu-Khazneh, J. Barát, A. Pokrovskiy, T. Szabó J. Combin. Theory Ser. B "A family of extremal hypergraphs for Ryser's conjecture" 161 (2019) 164–177 2018..... A. Pokrovskiy **Advances in Mathematics** "An approximate version of a conjecture of Aharoni and Berger" 333 (2018) 1197-1241 N. Alon, A. Pokrovskiy, B. Sudakov J. Combin. Theory. Ser. B "Linearly many rainbow trees in 132. (2018) 134-156 properly edge-coloured complete graphs" I. Balla, A. Pokrovskiy, B. Sudakov Combin. Probab. Comput. "Ramsey goodness of bounded degree trees" 27 (2018) 289-309 N. Alon, A. Pokrovskiy, B. Sudakov Israel J. Math. "Random subgraphs of properly edge-coloured complete graphs 222, (2017) 317-331. and long rainbow cycles' Int. Math. Res. Notices A. Pokrovskiy "Edge disjoint Hamiltonian cycles in highly connected tournaments" 2, (2017) 429-467. A. Pokrovskiy Electron. J. Combin. "Rainbow matchings and rainbow connectedness" 24 (2017) L. Narins, A. Pokrovskiy, T. Szabó Combinatorica "Graphs without proper subgraphs of minimum degree 3 and short cycles" 37 (2017), 495–519 I. Balla, A. Pokrovskiy, B. Sudakov Mosc. J. Comb. Number Theory. "A remark on Hamilton cycles with few colors" 7 (2017) 73-77. D. Hefetz, C. Kusch, L. Narins, A. Pokrovskiy, J. Combin. Theory Ser. A o C. Requilé, A. Sarid "Strong Ramsey Games: Drawing on an infinite board" 150 (2017), 248-266 J. Graph Theory A. Pokrovskiy "Calculating Ramsey numbers by partitioning coloured graphs" 84 (2017) 477-500

0	A. Abu-Khazneh, A. Pokrovskiy "Intersecting extremal constructions in Ryser's Conjecture for r-partite hypergraphs"	Math. Combin. Comput. 103 (2017) 81–104
0		J. Combin. Theory Ser. B " 122 (2017) 109–120
0	A. Pokrovskiy, B. Sudakov "Ramsey goodness of paths"	J. Combin. Theory Ser. B 122 (2017) 384–390
20	015	
0	Y. Kim, M. Kumbhat, Z. Nagy, B. Patkós, A. Pokrovskiy, M. Viz "Identifying codes and searching with balls in graphs"	er Discrete Appl. Math. 193 (2015) 39–47
0	A. Pokrovskiy "Highly linked tournaments"	J. Combin. Theory Ser. B <i>115 (2015) 339–347</i>
0	A. Pokrovskiy "A linear bound on the Manickam-Miklós-Singhi Conjecture"	J. Combin. Theory Ser. A 133 (2015) 280–306
20	014	
0	D. Gerbner, V. Mészáros, D. Pálvölgyi, A. Pokrovskiy, G. Rote "Advantage in the discrete Voronoi game"	J. Graph Algorithms Appl. <i>18 (2014) 439–457</i>
0	A. Pokrovskiy "Partitioning edge-coloured complete graphs into monochromatic cycles and paths"	J. Combin. Theory Ser. B 106 (2014), 70–97
0	A. Pokrovskiy "Edge growth in graph powers"	A ustralas. J. Combin. 58 (2014), 347–357
20	011	
0	A. Pokrovskiy "Growth of graph powers"	Electron. J. Combin. <i>18 (2011)</i>
0	R. Cross, V. Kozyakin, B. O'Callaghan, A. Pokrovskii "Periodic sequences of arbitrage: a tale of four currencies"	Metroeconomica 63 (2011) 250-294
20	010	
0	B. McKay, A Pokrovskiy "Locally homogeneous structures on Hopf surfaces"	Indiana Univ. Math. J. 59 (2010) 1491–1540
20	009	
0	A. Pokrovskii, A. Pokrovskiy, A. Zhezherun "A corollary of the Poincaré-Bendixson theorem and periodic canards	J. Differential Equations. 247 (2009) 3283–3294
20	008	• •
0	A. Amann, S. Osborne, S. O'Brien, A. Pokrovskiy "Complex networks based on discrete-mode lasers"	J. Phys.: Conf. Ser. 138 (2008), 3283-3294

Submitted papers

0	M. Bucić, M. Kwan, A. Pokrovskiy, B. Sudakov "Halfway to Rota's basis conjecture"	arXiv:1810.07462
0	The maximum length of Kr-Bootstrap Percolation J. Balogh, G. Kronenberg, A. Pokrovskiy, T. Szabó "The maximum length of K_r -Bootstrap Percolation"	arXiv:1907.04559
0	J. Corsten, A. Mond, A. Pokrovskiy, C. Spiegel, T. Szabó "On the Odd Cycle Game and Connected Rules"	arXiv:1906.04024
0	M. Bucić, E. Jahn, A. Pokrovskiy, B. Sudakov "2-factors with k cycles in Hamiltonian graphs"	arXiv:1905.09729
0	M. Bucic, M. Kwan, A. Pokrovskiy, B. Sudakov, T. Tran, A. Wagner "Nearly-linear monotone paths in edge-ordered graphs"	arXiv:1809.01468
0	S. Bustamante, J. Corsten, N. Frankl, A. Pokrovskiy, J. Skokan "Partitioning edge-coloured hypergraphs into fewmonochromatic tight cycles"	arXiv:1903.04471
0	D. Korándi, R. Lang, S. Letzter, A. Pokrovskiy "Minimum degree conditions for monochromatic cycle partitioning"	arXiv:1902.05882
0	A. Pokrovskiy, B. Sudakov "Ramsey goodness of cycles"	arXiv:1807.02313
0	A. Pokrovskiy "Partitioning a graph into a cycle and a sparse graph"	arXiv:1607.03348

Teaching experience

Number Theory and GeometryBirkbeckLecturer2018–2019Graph TheoryETH, ZürichClass teacher2018–2018

Algebra I

Class teacher

ETH, Zürich
2017–2017

Analysis III ETH, Zürich
Organizer 2016–2017

TopologyClass teacher
ETH, Zürich
2016–2016

Complex Function TheoryETH, ZürichClass teacher2015–2016

Discrete Mathematics III Free University, Berlin
Seminar organizer 2013–2015

Discrete MathematicsLSE, LondonClass teacher2011–2013

Mathematical MethodsLSE, LondonClass teacher2009–2011