

### List of accepted abstracts

- Ghodratollah Aalipour, Saieed Akbari, Reza Nikandish, Mohammad Javad Nikmehr and Farzad Shaveisi. *Odd Cycles in the Annihilating-Ideal Graph of a Commutative Ring*
- Raquel Agueda, Valentin Borozan, Yannis Manoussakis, Gervais Mendy and Rahul Muthu. *Sufficient conditions for the existence of spanning colored trees in edge-colored graphs*
- Saieed Akbari, Maliheh Chavooshi, Maryam Ghanbari and Sanaz Zare Firoozabadi. *Some Criteria for a Graph to be Class 1*
- Saieed Akbari, Maryam Ghanbari, Raoofeh Manaviyat and Mohammad Javad Nikmehr. *On the Coloring of Steiner Triple Systems*
- Saieed Akbari, Maryam Ghanbari, Raoofeh Manaviyat and Sanaz Zare Firoozabadi. *On the lucky labeling of Graphs*
- Saieed Akbari. *On the List Version of Generalized 1-2-3 Conjecture*
- Fusun Akman and Papa Sissokho. *The lattice of finite vector space partitions*
- Mehdi Alaeiyan and M. K. Hosseinipoor. *Cubic symmetric graphs of order  $6p^3$*
- Lina Andrén. *Finding Latin squares that avoid arrays with even side*
- Dan Archdeacon. *Trinity Symmetry and Kaleidoscopic Regular Maps*
- Danilo Artigas, Simone Dantas, Mitre Dourado and Jayme Szwarcfiter. *New Results on the Contour of a Graph*
- Laurent Beaudou, César Hernandez and Gelasio Salazar. *Making non-planar graphs crossing critical*
- Marwane Bouznif, Myriam Preissmann and Julien Moncel. *Algorithms for combinatorial problems on fasciagraphs and rotagraphs*
- Gabor Bacso. *Complete description of forbidden subgraphs in the structural domination problem*
- Camino Balbuena and Mirka Miller. *A family of vertex-transitive dense graphs of diameter 2*
- Camino Balbuena, Pedro García Vázquez and Luis Pedro Montejano. *On the restricted edge-connectivity of 3-arc graphs*
- Gilles Baroin. *Representation of musical pitch space using graphs, spectrum and hyperspaces*
- Olivier Baudon, Frédéric Gilbert and Mariusz Wozniak. *Recursively Arbitrarily Vertex Decomposable Graphs*

- Cristina Bazgan, Sonia Toubaline and Daniel Vanderpooten. *Complexity of determining the most vital elements for the 1-median and 1-center location problems*
- Fabricio S. Benevides. *A multipartite Ramsey Number for odd cycles*
- Cédric Bentz. *An approximation algorithm for generalized partial multi-terminal cuts*
- Mostafa Blidia and Lyes Ould rabah. *Bounds on the domination number in digraphs and extremal digraphs*
- Flavia Bonomo and Daniela Saban. *Some optimization problems and the proper-thinness of a graph*
- Flavia Bonomo, S. A. Choudum and T. Karthick. *On b-perfect conjecture and forbidden subgraphs*
- Charles Bordenave, Marc Lelarge and Justin Salez. *The weak limit of matchings on diluted graphs*
- Valentin Borozan, Yannis Manoussakis, Leandro Montero and Zsolt Tuza. *Proper connection of graphs*
- Andreas Brandstadt, Synara Brito, Sulamita Klein, Loana Tito Nogueira and Fabio Protti. *Sparse/dense triangle-transversals*
- Ljiljana Brankovic. *Graceful Labelling: New Results on Relaxed Graceful Labelling for Trees with Maximum Degree Three*
- Larisa Buchok. *On sets of points determining only acute angles*
- Min Chen and André Raspaud. *Planar graphs without 4-cycles and intersecting triangles are acyclically 5-choosable*
- Roman Cada, Evelyne Flandrin and Haiyan Kang. *On cyclability in prisms*
- Roman Cada. *On The Path Partition Conjecture for  $K_{1,r}$ -free graphs*
- Kathie Cameron and Ashkan Aazami. *Rainbow Matchings in Bipartite Graphs*
- Christiane Campos, Celina Figueiredo, Raphael Machado and Celia Mello. *The total chromatic number of split-identification graphs*
- Victor Campos, Claudia Linhares Sales, Ana Maia and Rudini Sampaio. *On b-colorings of graphs with few  $P_4$ 's*
- Nathalie Caspard and Claude Le Conte de Poly-Barbu. *Coxeter lattices: some strong properties*
- Marcia R. Cerioli and Daniel Posner. *On  $L(2,1)$ -coloring  $P_4$ -tidy graphs*
- Jérémie Chalopin, Victor Chepoi, Nicolas Nisse and Yann Vaxès. *Cop and robber games when the robber can hide and ride*

- Jonathan Chappelon. *Balanced Steinhilber graphs modulo  $n$*
- Irène Charon and Olivier Hudry. *Maximum distance between Slater orders and Copeland orders of tournaments*
- Laura Chavez-Lomeli, Criel Merino, Steven Noble and Marcelino Ramirez-Ibanez. *Some inequalities for the Tutte polynomial*
- Guantao Chen, Zhiqian Hu and Yaping Wu. *The Fouquet-Jolivet conjecture on the circumference of a  $k$ -connected graph*
- Otfried Cheong, Xavier Goaoc and Cyril Nicaud. *Set Systems and Families of Permutations with Small Traces (abstract)*
- G. L. Chia, W. Hemakul and S. Singhun. *Graphs with Cyclomatic Number Two having Hamilton-connected Square*
- Shuya Chiba, Kenta Ozeki and Masao Tsugaki. *A balanced independence number condition for a balanced bipartite graph to be hamiltonian*
- Pierre Colomb, Alexis Irelande, Olivier Raynaud and Yoan Renaud. *A new generic class of Frankl's families*
- Pierre Colomb, Alexis Irelande, Olivier Raynaud and Yoan Renaud. *A decomposition approach to generate union-closed sets of a set family*
- Francesc Comellas and Zhongzhi Zhang. *Farey Graphs and Complex Networks*
- Sylvie Corteel, David Forge and Véronique Ventos. *No broken Circuits of truncated  $a$ - $n$  arrangements*
- Cristina Dalfó, Edwin van Dam, Miquel Àngel Fiol and Ernest Garriga. *When almost distance-regularity attains distance-regularity*
- Charles Delorme. *Eigenvalues of complete multipartite graphs*
- Magda Dettlaff, Dorota Kuziak and Magdalena Lemańska. *Interpolation properties with regard to domination parameters of a graph*
- Magda Dettlaff, Dorota Kuziak and Magdalena Lemańska. *Weakly connected domination strong  $k$ -subdivisible graphs*
- Antoine Deza, Tamon Stephen and Feng Xie. *More Colourful Simplices*
- Benjamin Doerr and Anna Huber. *Robustness of Strictly Fair Randomized Rumor Spreading*
- Stephan Dominique Andres. *Classes of game-perfect graphs*
- Kaouther Drira, Hamida Seba, Brice Effantin and Hamamache Kheddouci. *Distance-edge-coloring of power graphs*
- Tomas Dvorak, Jiří Fink, Petr Gregor and Václav Koubek. *Gray codes with bounded weights*

- Jan Ekstein, Premysl Holub, Tomas Kaiser, Liming Xiong and Shenggui Zhang. *Star subdivisions and connected even factors in the square of a graph*
- Amine El Sahili. *Median order and some conjectures*
- Ido Ben Eliezer, Michael Krivelevich and Benny Sudakov. *The size Ramsey number of a directed path*
- Jean-yves Enjalbert and Hoang Ngoc Minh. *Combinatoric Study of Parametrized Colored Polyzetas*
- Louis Esperet, Sylvain Gravier, Mickaël Montassier, Pascal Ochem and Aline Parreau. *Identifying colorings of graphs*
- Siemion Fajtlowicz. *On a Few Best Conjectures of Graphs*
- Ralph Faudree. *Location of Vertices on Hamiltonian Cycles*
- Jill R. Faudree, Ralph J. Faudree, Zdenek Ryjacek, Khikmat Saburov and Petr Vrana. *Forbidden pairs for Hamilton-connectedness*
- Etienne Fieux and Jacqueline Lacaze. *Foldings in graphs and relations with simplicial complexes and posets*
- Ramon M. Figueroa-Centeno, Rikio Ichishima, Francesc A. Muntaner-Batle and Akito Oshima. *Gracefully Cultivating Trees on a Cycle*
- Herbert Fleischner. *Uniquely hamiltonian (simple) graphs of minimum degree four*
- Florent Foucaud and Matjaz Kovse. *On the identification of vertices in graphs using paths*
- Florent Foucaud, Eleonora Guerrini, Matjaz Kovse, Reza Naserasr, Aline Parreau and Petru Valicov. *Classifying graphs with minimum identifying code of size  $n-1$*
- Florent Foucaud, Eleonora Guerrini, Matjaz Kovse, Reza Naserasr, Aline Parreau and Petru Valicov. *On identifying codes and Bondy's theorem on "induced subsets"*
- Shinya Fujita, Aydin Gerek and Colton Magnant. *Proper connection number in graphs*
- Hortensia Galeana-Sanchez. *A New Characterization of Perfect Graphs*
- Delia Garijo, Andrew Goodall and Jaroslav Nesetril. *Graph homomorphisms, the edge elimination polynomial and the induced subgraph polynomial*
- Guadalupe Gaytán-Gómez, Hortensia Galeana-Sánchez and Rocío Rojas-Monroy.  *$\gamma$ -Cycles in arc-colored digraphs*
- Raluca Gera. *Triangular Line Graphs: A Tool for Word Sense Disambiguation*

- Daniel Gerbner, Nathan Lemons, Cory Palmer, Balazs Patkos and Vajk Szecsi. *Almost intersecting families of sets*
- Stephen Gismondi. *On modelling decision problems by extended formulations and permutations*
- Jan Goedgebeur and Gunnar Brinkmann. *Fast Generation of Snarks*
- Ilan A. Goldfeder, Hortensia Galeana-Sánchez and Isabel Urrutia. *On two classes of digraphs defined by Bang-Jensen*
- Agnieszka Görlich and Andrzej Żak. *On packable graphs and digraphs*
- Ronald Gould. *Hamiltonian Properties in Claw-free Graphs*
- Igor Grebennik and Yuri Stoyan. *Description, generation and enumeration of combinatorial sets possessing special characteristics*
- Steffen Grüter and Marco Weyres. *Collective tree spanners of digraphs*
- Andras Gyárfás, Jeno Lehel and Guantao Chen. *Around a biclique cover conjecture*
- András Gyárfás, Gábor Simonyi and Ágnes Tóth. *Gallai colorings and domination in multipartite digraphs*
- Mohammed Haddad and Hamamache Kheddouci. *On (total) domination in graph colorings*
- Willem Haemers and Farzaneh Ramezani. *Graphs cospectral with Kneser graphs*
- Roland Häggkvist. *Probabilities for finding latin squares in a random array*
- Jonas Hägglund and Klas Markström. *Stable cycles and the cycle double cover conjecture*
- Adriana Hansberg. *Graphs with equal domination and 2-domination numbers*
- Hovhannes Harutyunyan and Arthur Liestman. *Upper Bounds on the Broadcast Function using Minimum Dominating Sets*
- Walied Hazim Sharif. *A new result on faithful extension of constant height between finite posets*
- César Hernández Cruz and Hortensia Galeana Sánchez. *k-kernels in k-transitive and k-quasi-transitive digraphs*
- Farideh Heydari, S. Akbari and M.J. Nikmehr. *The Regular Graph of a Commutative Ring*
- Hervé Hocquard, Reza Naserasr and Youssou Dieng. *Acyclic coloring of graphs with given maximum degree*
- Rani Hod and Marcin Krzywkowski. *The hat problem on a directed graph*

- Arthur Hoffmann-Ostenhof. *A planar approach to nowhere-zero flow problems*
- Andreas Holtkamp. *Solution of a conjecture of Vandell on decycling bipartite tournaments by deleting arcs*
- Mirko Hornak. *Neighbour-distinguishing index of planar graphs*
- Chun-Chung Hsieh. *Combinatoric knot theory*
- Jing Huang and Ross Churchley. *List monopolar partitions of claw-free graphs*
- Yen Hung Chen and Cheng-Ying Yang. *Polynomial time approximation schemes for the constrained minimum spanning tree problem*
- Viet Hung Nguyen. *On minimum weight triangle edge cover in maximal planar graphs*
- Hayat Issaadi and Hacene Ait Haddadene. *The Structure of  $(SN, P5)$ -free Graphs*
- Robert Jajcay and Geoffrey Exoo. *Algebraic and Topological Methods in Cage Constructions*
- Mohsen Jamaali. *An Inner Product Graph Related to Extremal Problems*
- Neil Jami and Zoltan Szigeti. *Edge-connectivity of permutation hypergraphs*
- Mohammad Javad Nikmehr, Ghodratollah Aalipour, Saeid Akbari, Reza Nikandish and Farzad Shaveisi. *Some Properties of the Annihilating-Ideal Graph of a Commutative Ring*
- Stanislav Jendrol, Julius Czap, Frantisek Kardos and Roman Sotak. *Facial parity edge colouring of bridgeless plane graphs*
- Gerard Jennhwa Chang, Paul Dorbec, Mickael Montassier and André Raspaud. *Generalized power domination*
- Carl Johan Casselgren. *Vertex coloring graphs with bounded maximum degree from random lists*
- Karen Johannson and Tom Coker. *The adjacent vertex distinguishing total chromatic number*
- Maria Jose Chavez, Juan Manuel Marin and M. Trinidad Villar. *Searching and computing irreducible triangulations of pseudo-surfaces*
- Mikio Kano. *Spanning  $k$ -trees of  $n$ -connected Graphs and Bipartite Graphs*
- Saira Karim and Zareen Alamgir. *On Efficient Generation of Pseudo Trees*
- Koko Kayibi. *Random generation of graphs of given degree sequence*

- Adel Kazemi Piledaraq and Michael A. Henning. *k-tuple total domination in in ated graphs*
- Yulia Kempner and Vadim E. Levit. *Isometric Antimatroid Embeddings*
- Balázs Keszegh, Dániel Gerbner and Cory Palmer. *Generalizations of the Tree Packing Conjecture*
- Mahdad Khatirinejad, Patric Ostergard and Petteri Kaski. *Steiner Triple Systems Satisfying the 4-Vertex Condition*
- Gholamreza B. Khosrovshahi. *Zero-Sum Flows in Designs*
- Dariush Kiani. *Some Graphs Associated with Rings*
- Martin Kidd, Alewyn Burger and Jan Van Vuuren. *Minimising carry-over effects in round-robin tournaments*
- Martin Kidd, Alewyn Burger and Jan Van Vuuren. *There is no unipotent SOLSSOM of order 10*
- Chip Klostermeyer. *Protecting the Vertices and Edges of a Graph*
- Martin Knor. *Hyperbolic analogues of fullerenes*
- Fiachra Knox, Daniela Kuhn and Deryk Osthus. *Approximate Hamilton Decompositions of Random Graphs*
- Martin Kochol. *Smallest Counterexample to the 5-Flow Conjecture Has Girth At Least Eleven*
- Vitaliy Koshelev. *On the Erdős-Szekeres problem with various numbers of internal points*
- Andrey Kupavskiy and Andrey Raigorodskiy. *Counterexamples to Bor-suk's conjecture lying on spheres of small radii*
- Roman Kuzel, Kenta Ozeki and Kiyoshi Yoshimoto. *2-factors and independent sets on claw-free graphs*
- Chunhui Lai. *No equal length cycles problem of Erdős*
- Michel Las Vergnas and Emeric Gioan. *Fully optimal bases, the active bijection, and the Tutte polynomial*
- Jesus Leños, Christophe Ndjatchi Mbe Koua and Luis Manuel Rivera Martínez. *Number of triangles in simple Euclidean arrangements with one ( $\geq 5$ )-gon*
- Marc Letournel, Abdel Lissier and Ruediger Schulz. *TDIness in two-stage stochastic programming*
- Xiaomin Li and Dengxin Li. *Supereulerian Generalized Prisms*
- Dengxin Li and Xiaomin Li. *Hamiltonian Cycles in Claw-Free Graphs*
- Chen-Ying Lin. *Some results on the product of non-cover graphs*

- Henry Liu and Shinya Fujita. *The Balanced Decomposition Number of a Graph*
- Anna Lladó and Jordi Moragas. *On the Sumset Partition Problem*
- Bernardo Llano and Amanda Montejano. *Rainbow-free colorings for  $x + y = cz$  on  $Z_p$*
- Zbigniew Lonc and Paweł Naroski. *Euler Tours and Walks in 3–uniform Hypergraphs*
- Eyal Loz, Hebert Perez-Roses and Guillermo Pineda-Villavicencio. *Some Properties of Groups for Algebraic Constructions*
- Frédéric Maffray and Grégory Morel. *Maximum independent set and coloration in 3-colorable  $P_5$ -free graphs*
- Hamidreza Maimani. *Strongest Defensive Alliances in Graphs*
- Martin Manrique and hortensia galeana-sanchez. *Level Hypergraphs*
- Xavier Marcote. *New results for the  $k$ -restricted edge-connectivity of permutation graphs*
- Juan Manuel Marin Sanchez, M. Pastora Revuelta Marchena and Isabel Sanz. *2-colour and 2-colour strict Rado numbers*
- Juan Manuel Marin, M. Pastora Revuelta and Isabel Sanz. *Advances on strict Schur numbers*
- Klas Markström. *Even cycle decompositions of line graphs of cubic graphs*
- Tamara Mchedlidze, Antonis Symvonis, Michael Kaufmann and Markus Geyer. *Minimum Size Unilateral Forcing Sets for Digraphs*
- Frédéric Meunier. *The chromatic number of almost stable Kneser hypergraphs*
- Ioannis Michos. *On twin and anti-twin words in the support of the free Lie algebra*
- Mirka Miller, Hebert Perez-Roses and Guillermo Pineda-Villavicencio. *Recent Advances in the Degree/Diameter Problem*
- Irina Mitricheva and Elena Gorskaya. *On the chromatic number of the space  $(R^n; I_1)$  with several forbidden distances*
- Morteza Mohammad-Noori and Narges Ghareghani. *Some facts about the derivation operator*
- Tahraoui Mohammed Amin, Duchene Eric and Kheddouci Hamamache. *Max-Min vertex-distinguishing edge colorings of graphs*
- Bernard Monjardet and Bruno Leclerc. *Aggregation and residuation*
- Mickael Montassier, Patrice Ossona de Mendez, Andre Raspaud and Xuding Zhu. *Decomposing a graph into forests*



- Amanda Montejano and Oriol Serra. *Colour Patterns in orthogonal arrays*
- Kieka Mynhardt and Jane Wodlinger. *Uniquely Radial Trees*
- Atsuhiko Nakamoto, Katsuhiko Ota and Kenta Ozeki. *Book embedding of toroidal bipartite graphs*
- Reza Naserasr. *Bounding minor closed families in the homomorphism order*
- Jaroslav Nešetřil, Patrice Ossona de Mendez and Xuding Zhu. *Coloring Edges with many Colors in Cycles*
- Yared Nigussie. *On the converse of magic-tree inclusions*
- Reza Nikandish, Saieed Akbari and Mohammad Javad Nikmehr. *On the Intersection Graph of Ideals of a Ring*
- Farzaneh Nowroozi Larki. *Commuting Graph of Some  $p$ -Groups*
- Haruko Okamura and Tomoki Yamashita. *Degree sum conditions for cyclability in bipartite graphs*
- Shariefuddin Pirzada and Abdulaziz Allassaf. *Imbalance sequences and sets in multipartite multidigraphs*
- Vehbi Paksoy. *A Combinatorial Criterion to Determine Fano Polygon Spaces*
- Niki Palla. *Characteristic equation of a random graph hypergraph, line-graph - Conclusions and Applications*
- Tatiana Panyukova. *Ordered Enclosing Covers with Minimal Length of Additional Edges*
- Ignacio M. Pelayo, José Cáceres, M. L. Puertas, Mercè Mora and Carmen Hernando. *Locating domination in graphs*
- Guillem Perarnau and Oriol Serra. *Asymptotic upper bounds on the generalized chromatic numbers in classes of graphs of bounded degree*
- Ilda Perez da Silva. *For  $n < 8$  the real  $n$ -cube is a purely combinatorial object*
- Oudone Phanalasy, Mirka Miller, Martin Baca and Andrea Fenovcikova. *Completely Separating Systems and Antimagic Labeling of Graphs*
- Monika Pilsniak. *On the adjacent vertex distinguishing index by the sum in total proper coloring*
- Guillermo Pineda-Villavicencio, Mirka Miller and Hebert Perez-Roses. *On cubic graphs of even girth and small excess*
- Leonid Plachta, Jakub Przybylo and Mariusz Wozniak. *Cyclic colouring of planar bipartite graphs and its application to knot theory*
- Alexey Pokrovskiy. *Growth of graph powers*

- Maurice Pouzet. *Hereditary classes of relational structures: well quasi ordering, indecomposability and pro le*
- Jakub Przybyło. *An almost sharp bound for the Thue choice number of paths*
- Akbari, Qajar and Mohsen Jamaali. *On the Roman Edge Domination of Graphs*
- Jan Ramon and Mostafa Haghiri Chehrehgani. *On the complexity of listing closed frequent subgraph patterns*
- Caroline Reis, Luis Kowada and Celina Figueiredo. *Hamiltonian cycles in pre  $x$  transposition genome rearrangement graphs*
- Paulo Renato da Costa Pereira, Alex Garcia and Lilian Markenzon. *Generating and Counting Unlabeled  $k$ -Path Graphs*
- Anastasia Rozovski and Dmitry Shabanov. *Panchromatic colorings of hypergraphs and list colorings of graphs*
- Oleg Rubanov and Andrei Raigorodskii. *The Chromatic Numbers of Distance Graphs without Triangles*
- Miklos Ruszinko. *Large components in  $r$ -edge-colorings of the complete graph*
- Joe Ryan, Mirka Miller and Mauritsius Tuga. *On Exclusive Sum Labeling*
- Bruce Sagan and Yuval Roichman. *Combinatorial and colorful proofs of cyclic sieving phenomena*
- Julián Salas, Camino Balbuena and Diego Gonzalez-Moreno. *Semiregular cages with odd girth are edge-superconnected*
- Attila Sali and Zoltán Füredi. *Some new bounds on partition critical hypergraphs*
- A. N. M. Salman and Tita Maryati. *On graph-(super)magic labelings of a path-amalgamation of isomorphic graphs*
- Robert Samal, Zdenek Dvorak and Bojan Mohar. *Star chromatic index*
- Egor Samosvat and Alexander Ryabchenko. *On estimating the expected number of subgraphs in Barabasi and Albert model of random graph*
- John Schmitt. *An Extremal Problem for a Constant Number of 1-factors*
- Ben Seamone and Brett Stevens. *Spanning Trees with Specified Differences in Cayley Graphs*
- Dmitry Shabanov. *On a lower bound for the van der Waerden number*
- Farzad Shaveisi, Ghodrattollah Aalipour, Saeid Akbari, Reza Nikandish and Mohammad Javad Nikmehr. *On the Annihilating-Ideal Graph of a Noetherian Commutative Ring*

- Mark Siggers. *Asymmetric Highly Ramsey Infinite Pairs*
- Ana Silva and Frédéric Maffray. *b-colouring outerplanar graphs*
- Rinovia Simanjuntak. *On graphs of order  $n$  with metric dimension  $n - 3$*
- Gabor Simonyi and Ambrus Zsolt. *On topological relaxations of chromatic conjectures*
- Gabor Simonyi and Gabor Tardos. *On the directed local chromatic number*
- Pavel Skums. *H-decomposition of graphs, H-threshold graphs and the reconstruction conjecture*
- Eric Sopena. *Upper oriented chromatic number of undirected graphs and oriented colorings of product graphs*
- Konrad Sperfeld. *Subgraphs in multipartite graphs*
- Eckhard Steffen and Vahan Mkrtchyan. *On  $\Delta$ -edge-colorable subgraphs and  $r$ -graphs*
- Giovanna Thron and Michael Molloy. *An asymptotically tight bound on the adaptable chromatic number*
- Olivier Togni. *On Packing Colorings of Distance Graphs*
- Li-Da Tong and Pei-Lan Yen. *The Differences of Convexity Spectra of*
  - with metric dimension

- Amit Weinstein. *Simultaneous communication in noisy channels*
- Julian West. *Equivalence Relations of Permutations Generated by Constrained Transpositions*
- Andrey Yarmukhametov. *On connectivity of random distance graphs of special type*
- Roger Yu. *Vertex-coloring  $k$ -edge-weighting problem*
- Zoham Zemer. *Note on  $b$ -colorings in Harary graphs*
- Cun-Quan Zhang. *Cycle double cover and circuit chain structure*
- Zanbo Zhang. *Matching alternating Hamilton cycles*
- Maksim Zhukovskii. *On the zero-one laws and the zero-one  $j$ -laws for the random graphs*