# List of publications
# Dmitry Shabanov

## Published in 2013

[Art31] A.B. Kupavskii, L.A. Ostroumova, D.A. Shabanov, P. Tetali, "The Distribution of Second Degrees in the Buckley–Osthus Random Graph Model", *Internet Mathematics* crossref.

[Art30] D. A. Shabanov, "Coloring non-uniform hypergraphs without short cycles", *Graphs and Combinatorics* crossref.

[Art29] D. A. Shabanov, "Van der Waerden function and colorings of uniform hypergraphs with large girth", *Doklady: Mathematics*, **88**:1 (2013), 473–477 crossref.

## Published in 2012

[Art28] D. A. Shabanov, "Choosability in simple hypergraphs", *Moscow Journal of Combinatorics and Number Theory*, **2**:4 (2012), 357–380.

[Art27] A. P. Rozovskaya, D. A. Shabanov, "Extremal problems for panchromatic colourings of uniform hypergraphs", *Discrete Mathematics and Applications*, **22**:2 (2012), 185–206 crossref.

[Art26] A. B. Kupavskii, D. A. Shabanov, "Colorings of uniform hypergraphs with large girth", *Doklady: Mathematics*, **85**:2 (2012), 247–250 ZentralMATH crossref ISI Web of Knowledge.

[Art25] D. A. Shabanov, "On a generalization of the Erdős–Lovász problem", *Proceedings of MIPT*, **4**:1 (2012), 131–140 (in Russian).

[Art24] D. A. Shabanov, "Random coloring method in the combinatorial problem of Erdős and Lovász", *Random Structures and Algorithms*, **40**:2 (2012), 227 – 253 crossref MathSciNet ZentralMATH ISI Web of Knowledge.

[Art23] D. A. Shabanov, "On $r$-chromatic hypergraphs", *Discrete Mathematics*, **312**:2 (2012), 441-458 crossref MathSciNet ZentralMATH ISI Web of Knowledge.

## Published in 2011

[Art22] D. A. Shabanov, A. P. Rozovskaya, "On colorings of non-uniform hypergraphs without short cycles", *Electronic Notes in Discrete Mathematics*, **38** (2011), 749-754 cross**ref**.

[Art21] D. A. Shabanov, "Partial Steiner systems and random hypergraphs", *Contemporary problems of mechanics and mathematics*, **7**:1 (2011), 68–76 (in Russian).

[Art20] D. A. Shabanov, "Van der Waerden's function and colourings of hypergraphs", *Izvestiya: Mathematics*, **75**:5 (2011), 1063–1091 MathSciNet Zentralblatt**MATH** cross**ref** ISI Web of Knowledge.

[Art19] A.M. Raigorodskii, D. A. Shabanov, "The Erdős–Hajnal problem, its generalizations and related problems", *Russian Mathematical Surveys*, **66**:5 (2011), 933–1002 MathSciNet Zentralblatt**MATH** cross**ref** ISI Web of Knowledge.

[Art18] D. A. Shabanov, "On coloring uniform hypergraphs without 3-cycles", *Moscow Journal of Combinatorics and Number Theory*, **1**:2 (2011), 180–206 Zentralblatt**MATH**.

[Art17] D. A. Shabanov, "On a generalization of Rubin's theorem", *Journal of Graph Theory*, **67**:3 (2011), 226–234 cross**ref** MathSciNet Zentralblatt**MATH** ISI Web of Knowledge.

[Art16] A. P. Rozovskaya, D. A. Shabanov, "Improvement of the lower bound in the Kostochka problem of panchromatic coloring of a hypergraph", *Mathematical Notes*, **89**:6 (2011), 903–906 MathSciNet Zentralblatt**MATH** cross**ref** ISI Web of Knowledge.

## Published in 2010

[Art15] A. P. Rozovskaya, D. A. Shabanov, "On proper colourings of hypergraphs using prescribed colours", *Discrete Mathematics and Applications*, **20**:4 (2010), 391–409 MathSciNet Zentralblatt**MATH** cross**ref**.

[Art14] D. A. Shabanov, "Lower bounds for the number of edges in hypergraphs of certain classes", *Doklady Mathematics*, **82**:2 (2010), 705–708 MathSciNet Zentralblatt**MATH** cross**ref** ISI Web of Knowledge.

[Art13] D. A. Shabanov, "On the lower bound for van der Waerden functions", *Mathematical Notes*, **87**:6 (2009), 918–920 MathSciNet cross**ref** ISI Web of Knowledge.

[Art12] D. A. Shabanov, "The existence of panchromatic colourings for uniform hypergraphs", *Sbornik: Mathematics*, **201**:4 (2010), 607–630 MathSciNet ZentralMATH ads* crossref ISI Web of Knowledge.

[Art11] D. A. Shabanov, "Lower bounds in the combinatorial problem of Erdős and Lovász", *Doklady Mathematics*, **81**:2 (2010), 286–288 MathSciNet ZentralMATH crossref ISI Web of Knowledge.

# Published in 2009

[Art10] A. P. Rozovskaya, M. V. Titova, D. A. Shabanov, "On balanced colorings of hypergraphs", *Journal of Mathematical Sciences*, **169**:5 (2010), 654—670 MathSciNet ZentralMATH crossref.

[Art09] D. A. Shabanov, A. P. Rozovskaya, "On the problem of Erdős and Hajnal in the case of list colorings", *Electronic Notes in Discrete Mathematics*, **34** (2009), 387–391 crossref MathSciNet.

[Art08] D. A. Shabanov, "On the chromatic number of finite systems of subsets", *Mathematical Notes*, **85**:6 (2009), 902–905 MathSciNet ZentralMATH crossref ISI Web of Knowledge.

[Art07] D. A. Shabanov, "Improvement of the lower bound in the Erdős – Hajnal combinatorial problem", *Doklady Mathematics*, **79**:3 (2009), 349–350 MathSciNet ZentralMATH crossref ISI Web of Knowledge.

# Published in 2004–2008

[Art06] D. A. Shabanov, "Randomized algorithms for colourings of hypergraphs", *Sbornik: Mathematics*, **199**:7 (2008), 1089–1110 MathSciNet crossref ISI Web of Knowledge.

[Art05] D. A. Shabanov, "Extremal problems for colourings of uniform hypergraphs", *Izvestiya: Mathematics*, **71**:6 (2007), 1253–1290 MathSciNet ZentralMATH crossref ISI Web of Knowledge.

[Art04] D. A. Shabanov, "On some extremal properties of hypergraph colorings", *Electronic Notes in Discrete Mathematics*, **29** (2007), 97–100 crossref ZentralMATH.

[Art03] D. A. Shabanov, "On the vertex number of almost bipartite hypergraphs", *Doklady Mathematics*, **75**:1 (2007), 25–27 MathSciNet crossref ISI Web of Knowledge.

[Art02] D. A. Shabanov, "On colorings of hypergraphs", *Doklady Mathematics*, **71**:3 (2005), 438–442 MathSciNet ISI Web of Knowledge.

[Art01] D. A. Shabanov, "On one combinatorial problem of Erdős", *Doklady Mathematics*, **69**:3 (2004), 359–362 MathSciNet Zentralblatt MATH ISI Web of Knowledge.