

Konstantin Golubev

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Einstein Institute of Mathematics
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The Hebrew University of Jerusalem
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- Personal** Born: 19.09.1988.
Citizenships: Russia, Israel.
Languages: Russian (native), English, Hebrew.
- Education** **The Hebrew University of Jerusalem, Israel.**
Doctor of Philosophy **July 2016 [expected]**
Title: Spectral Theory of Simplicial Complexes.
Advisor: Professor Alexander Lubotzky.
- Moscow State University, Russia.**
M.Sc. magna cum laude **June 2009**
Title: Cayley graphs, dessins d'enfants and modular curves.
Advisor: Professor George Shabat.
- Weizmann Institute of Science, Rehovot, Israel.**
Summer Research Fellow **June – August 2007**
Title: Automorphic Forms.
Advisor: Professor Stephen Gelbart.
- Awards** **Zuchovitsky Prize** for excellence in Ph.D. studies. **May 2015**
Awarded by the Institute of Mathematics of the Hebrew University.
- Teaching** **The Hebrew University of Jerusalem, Israel.**
Linear Algebra 1 (80134) Fall 2013
Calculus for Science Students (80177) Spring 2014
Discrete Mathematics for Science Students (80187) Fall 2014 and Fall 2015
Calculus 2 (80132) Spring 2015
- Publications** S. Evra, K. Golubev, A. Lubotzky,
Mixing properties and the chromatic number of Ramanujan complexes,
International Mathematics Research Notices (2015): rnnv022.
- K. Golubev, O. Parzanchevski,
Spectrum and combinatorics of Ramanujan triangle complexes,
ArXiv preprint: 1406.6666, 2014.
- K. Golubev,
On the chromatic number of a simplicial complex,
Combinatorica, to appear.
- K. Golubev,
Dessins d'enfants of valency three and Cayley graphs, [in Russian]
Vestnik Moskovskogo Universiteta, Matematika. Mekhanika,
Vol. 67, No. 2, pp. 46 – 49., 2013.

Talks

- Simplicial Complexes of High Chromatic Number. *December 2015*
Combinatorics Seminar at The Tel-Aviv University, Israel.
- Ramanujan complexes: simplicial complexes of large chromatic number. *July 2015*
Coloring Graphs Conference at Technion, Haifa, Israel.
- On the chromatic number of a simplicial complex. *May 2015*
Math Colloquium at the Hebrew University, Jerusalem, Israel.
- The chromatic number of Ramanujan complexes. *March 2015*
Groups and Geometry Seminar at the University of Geneva, Switzerland.
- The chromatic number of a simplicial complex. *October 2013*
Combinatorics seminar at the Renyi Institute, Budapest, Hungary.
- Commutative monoid structure on the set of Belyi functions of 3-regular toric dessins d'enfants. *April 2012*
Lomonosov-2012, Moscow State University, Russia.
- Cayley graphs and problem of words in one class of finite groups *April 2011*
Lomonosov-2011, Moscow State University, Russia.
(Prize for the best talk.)
- Cayley graphs and dessins d'enfants. *October 2010*
Amitsur algebra seminar at The Hebrew University, Jerusalem, Israel.
- On duality of Cayley graphs and dessins d'enfants. *April 2010*
Lomonosov-2010, Moscow State University, Russia.
- Cayley graphs, dessins d'enfants and modular curves. *August 2009*
7th International Algebraic conference in Ukraine, Kharkov, Ukraine.
- updated: December 2015.