

Konstantin Golubev

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+972 52 314 0404

- Personal** 29 y.o., married +1, speaks English, Hebrew, Russian (native).
- Education**
- Bar-Ilan University and Weizmann Institute of Science**, Israel.
Post-Doctoral Fellow since **October 2016**
Hosts: Professor Tali Kaufman (Bar-Ilan University)
and Professor Irit Dinur (Weizmann Institute of Science).
- The Hebrew University of Jerusalem**, Israel.
Doctor of Philosophy awarded **April 2017**
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.
- Publications**
1. K. Golubev, A. Kamber,
Average distance and cut-off of the random walk on hyperbolic surfaces,
in preparation.
 2. E. DeCorte, K. Golubev,
Lower bounds for the measurable chromatic number of the hyperbolic plane,
submitted, *ArXiv preprint: 1708.01081*.
 3. S. Evra, K. Golubev, A. Lubotzky,
Mixing properties and the chromatic number of Ramanujan complexes,
International Mathematics Research Notices, Vol. 22, pp. 11520–11548, 2015.
 4. K. Golubev, O. Parzanchevski,
Spectrum and combinatorics of Ramanujan triangle complexes,
submitted, *ArXiv preprint: 1406.6666*.
 5. K. Golubev,
On the chromatic number of a simplicial complex,
Combinatorica, 2016 (6).
 6. K. Golubev,
Dessins d'enfants of valency three and Cayley graphs,
Vestnik Moskovskogo Universiteta, Matematika. Mekhanika,
Vol. 67, No. 2, pp. 46 – 49, 2013.

7. K. Golubev,
A Differential Equation on the Cover Function of the Hexagonal Lattice by the Trivalent
Tree,
Fundamentalnaya i Prikladnaya Matematika,
Vol. 18, No. 6, pp. 91 – 94, 2013.

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

updated: November 2017.