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Born: February 24, 1989, Russia.

Citizenship: Russia.

Education

- Computer science Department, St. Petersburg University of the Russian Academy of Sciences. Expected degree: M.Sc. in theoretical computer science, 2012.
- Lipetsk State Technical University, B.Sc. in computer science and software engineering, diploma cum laude, 2010.

M.Sc. Thesis: “A Bound on the Betti Numbers of Semialgebraic Sets Defined Over Quadratic Maps”, under supervision of Dmitrii V. Pasechnik. Available at <http://cadadr.org/lyosha/st-pete-thesis/>

Research Interests

- Real algebraic geometry, semialgebraic geometry, and o-minimal geometry.
- Commutative algebra and algebraic geometry.

Additional Education

- Physics and Mathematics Club at the St. Petersburg Department of the Steklov Institute of Mathematics of the Russian Academy of Sciences, course attendant, 2010–2011.
- Computer Science Club at the St. Petersburg Department of the Steklov Institute of Mathematics of the Russian Academy of Sciences, course attendant, 2009–2011.

Conference Talks

- “A Bound on the Betti Numbers of Semialgebraic Sets Defined Over Quadratic Maps”, International Conference/School for Young Researchers “Modern Problems in Mathematics”, section on Topology and Geometry, January 29 – February 5, 2012, Ekaterinburg, Russia.

Seminar Talks

- “A Bound on the Betti Numbers of Semialgebraic Sets Defined Over Quadratic Maps”, seminar on Topology, St. Petersburg Department of the Steklov Institute of Mathematics, fall 2011.
- “Bounds on the Betti numbers of semialgebraic sets: topological preliminaries for computer scientists, a survey of results, and my work”, student seminar on Theoretical Computer Science, St. Petersburg University of the Russian Academy of Sciences, fall 2011.
- “Ben-Or’s bound on decision tree complexity of semialgebraic sets via the Milnor–Thom bound”, student seminar on Algebraic Complexity Theory, St. Petersburg University of the Russian Academy of Sciences, fall 2011.
- “The Reidemeister torsion and the Whitehead torsion”, student seminar on Homology Theory, St. Petersburg Department of the Steklov Institute of Mathematics, spring 2011.
- “The Milnor–Thom bound for the total Betti number of a real variety”, student seminar on Homology Theory, St. Petersburg Department of the Steklov Institute of Mathematics, spring 2011.
- “Computing the main structural blocks of algebras. The Jacobson radical”, student seminar on Theoretical Computer Science, St. Petersburg University of the Russian Academy of Sciences, spring 2011.
- “Computational complexity of knot and link problems”, seminar on Discrete Mathematics, St. Petersburg Department of the Steklov Institute of Mathematics, spring 2010.

Participation in Graduate Student Schools

- International Conference/School for Young Researchers “Modern Problems in Mathematics”, section on Topology and Geometry, January 29 – February 5, 2012, Ekaterinburg, Russia.
- Fall School of Logic & Complexity, September 19–23, 2011, Prague, Czech Republic.
- School on Algebra and Algebraic Geometry, August 15–21, 2011, Ekaterinburg, Russia.
- Summer School “Algebra and Geometry”, August 1–7, 2011, Yaroslavl, Russia.
- NoNA Summer School on Complexity Theory, August 12–16, 2009, St. Petersburg, Russia.

Language Skills

- Native speaker of Russian.
- Advanced level in written and spoken English. IELTS band score 7.5 (November 2011).
- Elementary level in written and spoken French (currently taking French courses).

Computer Skills

8 years of GNU/Linux experience. Expert in \LaTeX and Metapost. User of various computer algebra systems: GAP, Maxima, Macaulay 2, Singular, and CoCoA. Experience in web server administration (httpd) and website maintenance. Proficient in C/C++, Java, Common Lisp, Haskell, OCaml, Coq, and Perl programming.