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| CONTACT INFORMATION   | <i>E-mail</i> : Nikita.Kalinin@unige.ch, nikaanspb@gmail.com<br><i>WWW</i> : www.mathcenter.spb.ru/nikaan  |
| CITIZENSHIP STATUS    | Date and place of birth : May 6, 1988, Russian Federation<br>Citizenship : Russia  |
| INTERESTS             | Tropical geometry, economics, bioinformatics, education.   |
| EDUCATION             | <b>Université de Genève, Section de mathématiques</b> , Geneva, Switzerland<br>Ph.D. Student, March 2011 (expected graduation date : March 2016) <ul style="list-style-type: none"><li>• Thesis topic : “Tropical contact geometry”</li><li>• Advisor : G.Mikhalkin</li></ul><br><b>St.Petersburg Department of V.A.Steklov Institute of Mathematics of the Russian Academy of Sciences</b> , St. Petersburg, Russian Federation<br>Ph.D. Student, October 2010 - 2013 <ul style="list-style-type: none"><li>• Thesis topic : “Approach to smooth structures on 4-manifolds via loop spaces”</li><li>• Advisor : O.Ja.Viro</li></ul><br><b>St.Peterburg State University</b> , St. Petersburg, Russian Federation<br>Master degree (Specialist), Math, June, 2005-2010<br><br><b>High school 239 specialized in Physics and Mathematics</b> , St. Petersburg, Russian Federation<br>Student, 2003-2005 |
| HONORS AND AWARDS     | Gold medal at the International Mathematic Olympiad in Mexico, 2005<br>Silver medal at the SEEMOUS olympiad in Cyprus, 2007  |
| INDUSTRIAL EXPERIENCE | <b>GGA Software</b> , St. Petersburg<br>Programmer and mathematician, 2008 - 2011. I used to develop software on Java, C++, Python, etc; and consulted programmers about statistics and biology.   |
| LANGUAGES             | English and French – working proficiency, Russian – mother tongue.   |
| TEACHING EXPERIENCE   | <b>Geneva University</b> , Geneva<br>Analyses 1, Complex Analysis (assistant; in French) (2012)<br>Characteristic classes (assistant; in English) (2013)<br>Méthode élémentaire (responsable; in French) (2014-2015)<br><b>PhysMathClub, PDMI</b> , St. Petersburg, Russia<br>”Introduction to tropic geometry”, 2007<br>”Differential topology” 2010<br><br><b>High school 239 specialized in Physics and Mathematics</b> , St. Petersburg<br>Tutor of math circle, 2005 - 2011<br>Organizer of St.Petersburg math tournament for junior schoolchild, 2006-2010   |

PAPERS

N. Kalinin, Construction of the Alexander polynomial by braid action on the homology of some local system (in Russian) <http://mathcenter.spb.ru/nikaan/diplom.pdf>.

(submitted) N. Kalinin, Construction of the Alexander polynomial by braid action on the homology of some local system (translation to English), arXiv :1311.2849

(submitted) N. Kalinin, The Newton polygon of a planar singular curve, arXiv :1306.4688

N. Kalinin, Tropical approach to Nagata's conjecture in positive characteristic, arXiv :1310.6684

N. Kalinin, M.Shkolnikov, Tropical curves in 2-dimensional sandpile model, <http://arxiv.org/abs/1502.06284>

INVITED TALKS

13.12.2013, "Tropical approach to Nagata's conjecture", Seminari de Geometria Algebraica Universitat de Barcelona/Universitat Politècnica de Catalunya.

18.03.2014, "Tropical approach to Nagata's conjecture in positive characteristic", Complex-algebraic aspects of tropical geometry, Centre Interfacultaire Bernoulli, Lausanne.

11.04.2014, "Tropical geometry in questions around Nagata's conjecture", Séminaires de l'équipe Géométrie, Université de Savoie.

13.02.2015, "Tropical geometry in Nagata's conjecture and sandpile models", colloquium talk, CUSO, Lausanne.

30.03.2015, "Tropical legendrian curves", Tropical Geometry in Europe, Technische Universität Berlin.