

Lina KULAKOVA

PERSONAL DATA

PLACE OF BIRTH: Nizhny Novgorod, Russia
DATE OF BIRTH: 1 December 1990
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RESEARCH INTERESTS

APPLIED MATHEMATICS: Numerical methods in spatial geostatistics
Large sparse linear systems solving
Eigenvalue problem
Quasi-linear equations
Fast polynomial factorisation over finite fields

EDUCATION

2008–2013	MOSCOW STATE UNIVERSITY , Moscow Degree: Specialist ¹ of Science in MATHEMATICS Major: Computational Mathematics Advisor: Kirill Yu. BOGACHEV Current Average Grade: 4.8/5 Detailed List of Exams
2007–2008	ADVANCED EDUCATIONAL AND SCIENTIFIC CENTER OF MOSCOW STATE UNIVERSITY , Moscow Major: Mathematics and Physics Final Grade: 4.9/5
2001–2007	GYMNASIUM 80, Nizhny Novgorod Final Grade: 5/5
Aug 2006	SUMMER MATHEMATICS SCHOOL, Kostroma region, Russia

¹Specialist is a Russian degree equivalent to Master

INTERNSHIPS

<i>present</i>	INTERNSHIP IN TU WIEN Working on finite element method for PDEs.
2012	GOOGLE SUMMER OF CODE Open-source developer of « FLINT – Fast Library for Number Theory » project. Worked on polynomial factorisation over finite fields.

CONFERENCES

2012	INTERNATIONAL STUDENT, POSTGRADUATE AND YOUNG SCIENTIST CONFERENCE «LOMONOSOV-2012», Moscow Certificate for an excellent report «Statistical method of interpolation surface construction (kriging)»
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WORK EXPERIENCE

2011– <i>present</i>	Programmer at ROCK FLOW DYNAMICS, Moscow Hydrodynamic Reservoir Simulation Geostatistical interpolation module: implementation of parallel two- and three-dimensional simple, ordinary and universal kriging, sequential Gauss simulation and corresponding graphical user interface Linear solvers module: writing new classes for preconditioners
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SCHOLARSHIPS AND AWARDS

2012	Scholarship for students with an outstanding curriculum
2007	1 st place in the European School Championship of «What? Where? When?» ² (<i>in team</i>)
2006	III rd place in the Mathematical Olympiad of Nizhny Novgorod

²«What? Where? When?» is an intellectual game widely spread in ex-Soviet Union countries including Russia. There are also teams in the USA, Germany and Israel.

SPOKEN LANGUAGES

RUSSIAN:	Native
ENGLISH:	Upper-Intermediate
FRENCH:	Moderate

COMPUTER SKILLS

LANGUAGES:	C, C++, L A _T E _X
VERSION CONTROL:	Git
OPERATION SYSTEMS:	LINUX

ACTIVITIES

SPORT	ARTISTIC GYMNASTICS Advanced Degree; member of the university team ATHLETICS Advanced Degree in 50-meter distance; member of the faculty team
WORK CAMPS	VOLUNTEERING IN FRANCE Environmental Work Camp in 2011, constructional Work Camps in 2006 and 2008 VOLUNTEERING IN SOUTH KOREA Environmental Work Camp in 2010, art Work Camp in 2010
OTHER	HISTORICAL DANCES, DRAWING

Specialist of Science in MATHEMATICS

Grades

EXAM	GRADE
Calculus	5/5
Real Calculus	4/5
Complex Calculus	5/5
Functional Calculus	4/5
Variation Calculus and Optimal Control	5/5
Algebra	5/5
Linear Algebra	5/5
Analytical Geometry	5/5
Discrete Mathematics	5/5
Mathematical Cybernetics	5/5
Number Theory	5/5
Classical Differential Geometry	5/5
Differential Geometry and Topology	5/5
Probability Theory	5/5
Statistics	5/5
Random Processes Theory	4/5
Ordinary Differential Equations	5/5
Partial Differential Equations	5/5
Non-linear Equations of Mathematical Physics	5/5
Mathematical Logic	4/5
Programming	5/5
Parallel Programming	5/5
Fast Calculations	5/5
Numerical Methods	5/5
Classical Mechanics	5/5
Analytical Mechanics	5/5
Physics – part 1	5/5
English Language	5/5
Economics	5/5
History	4/5
Course Work'11	5/5
Course Work'12	5/5