

CURRICULUM VITAE

Name Iva Špakulová (born Kozáková)
Address Kytínská 1019, Mníšek pod Brdy, 252 10, Czech Republic
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Education

December 2008: Doctor of Philosophy in Mathematics,
Vanderbilt University, Nashville, USA, Advisor: Mark Sapir, Dissertation:
Percolation and Ising model on tree-like graphs.

June 2006: Master of Science in Mathematics,
Vanderbilt University, Nashville, USA

July 2004: Master of Science in Mathematics,
Free University, Amsterdam, Netherlands, Advisor: Ronald Meester,
Master thesis: *On Nearest Neighbor Model.*

September 2003: Magistr (M.S. equivalent) in Mathematical Statistics and Probability,
Charles University, Prague, Czech Republic, Advisor: Daniela Jarušková,
Diploma thesis: *Ozone Data and Change Point Methods.*

Research interests

Percolation on Cayley graphs, Probabilistic and geometric group theory

Work experience

2008: Summer internship at Microsoft Research - Theory group, Redmond, USA

2004 – present: Teaching assistant at Vanderbilt University, Mathematics Department,
Nashville, USA

2003: Teaching assistant at Czech Technical University, Mathematics Department,
Prague, Czech Republic

2001 – 2002: Analyst at Czech Statistical Office, Department of Statistical and Math-
ematical Methodology, Prague, Czech Republic

Publications

Almost all one-relator groups with at least three generators are residually finite. (with Mark Sapir) Submitted.

Critical percolation of virtually free groups and other tree-like graphs.
To appear in Annals of Probability.

Critical percolation of free product of groups.
International Journal of Algebra and Computation, Volume 18, Number
4 (2008), 683-704

The size of components in continuum nearest-neighbour graphs. (with
Ronald Meester and Seema Nanda)
The Annals of Probability, Volume 34, Number 2 (2006), 528-538.

Talks

March 2008: Workshop on Analysis on Groups (University of Puerto Rico, USA), *Percolation on Cayley graphs of virtually free groups*

Awards

2009: The Bjarni Jónsson Prize for Research at Vanderbilt University

2008: Summer Research Award at Vanderbilt University

2007: Summer Research Award at Vanderbilt University

2004: International Masters Program Fellowship at Free University

2002: Erasmus/Socrates Student Exchange Program Fellowship

2001 – 2002: Merit Scholarship at Charles University

Conferences attended

May 2008: Percolation on transitive graphs, American Institute of Mathematics, Palo Alto, USA

March 2008: Workshop on Analysis on Groups, University of Puerto Rico, USA

October 2007: Dichotomy Amenable/Nonamenable in Combinatorial Group Theory, American Institute of Mathematics, Palo Alto, USA

July 2007: Algebraic, geometric and probabilistic aspects of amenability, Erwin Schroedinger Institute, Vienna, Austria

April 2007: Problems in Geometric Group Theory, American Institute of Mathematics, Palo Alto, USA

May 2006: Combinatorial and geometric group theory, Vanderbilt University, Nashville, USA

March 2006: Workshop on Discrete Probability, Erwin Schroedinger Institute, Vienna, Austria

June 2005: Asymptotic and Probabilistic Methods in Group Theory, University of Geneva, Switzerland