Ben Rifkind

Contact Information

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Toronto, Ontario
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Research Interests

Probability theory: random matrices, stochastic processes, Schrödinger operators.

Education

University of Toronto, Toronto, Ontario Canada

Ph.D., September 2014
- Advisor: Bálint Virág
- Thesis: *Two Multiplicative Processes*

University of Toronto, Toronto, Ontario Canda

M.Sc., Mathematics, August 2008

University of Toronto, Toronto, Ontario Canada

B.Sc., Honours Double Major in Physics and Mathematics, May 2007

Papers

- **The Shape of the Eigenvectors of the Random Schrödinger Operator** (preprint), Rifkind, B. & Virág, B.

- **Diffusions of Multiplicative Cascades**, Alberts T. & Rifkind B., *Stochastic Processes and their Applications*, **124** , no. 2, 1141-1169. (2014).

Teaching

- **Instructor**: Calculus I, University of Toronto, 2012
- **Teaching Assistant**: Multiple courses, 2009-2014

  - MAT194/195 - Engineering Science Calculus, 2009-2010, 2011-2012
  - MAT244 - Ordinary Differential Equations, 2009, 2011
  - MAT267- Advanced Ordinary Differential Equations, 2010
  - MAT337 - Real Analysis, 2011

Programming and Markup Skills

- Excel, Java, Latex, Mathematica, Python, R, SQL

Talks

Eigenvectors of the 1D Random Schrödinger Operator, December 2014
Budapest University of Technology and Economics

A Stochastic Version of Multiplicative Cascades, October 2014
University of Toronto Probability Seminar

A Model of Time Evolving β-ensembles, May 2013
Budapest University of Technology and Economics

Random Matrices and Integrable Systems, March 2014
École de Physique des Houches

Probability and Statistical Physics in Two and more Dimensions, July 2013
Clay Mathematics Institute

PIMS Summer School in Probability, June 2012
University of British Columbia