Lingfu Zhang

Contact Information

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Education

Princeton University

Ph.D. candidate, Mathematics
Advisor: Prof. Allan Sly

Massachusetts Institute of Technology

B.S. double major in Mathematics and Computer Science, Jun 2017
GPA: 4.9 / 5.0

Tsinghua University

Major in Architecture, Sep 2013 - Jun 2014

Articles

A. Sly and L. Zhang, *Stationary Distributions for the Voter Model in $d \geq 3$ are Bernoulli Shifts,* available at https://arxiv.org/abs/1908.09450.

L. Li and L. Zhang, *Anderson-Bernoulli Localization on the 3D lattice and discrete unique continuation principle,* available at https://arxiv.org/abs/1906.04350.

V. Gorin and L. Zhang, *Interlacing adjacent levels of β-Jacobi corners processes,* available at https://arxiv.org/abs/1612.02321, Probability Theory and Related Fields 172, no. 3-4 (2018): 915-981.

H. Wang and L. Zhang, *Refinements of the 2-dimensional Strichartz estimate on the maximum wave packet,* available at https://arxiv.org/abs/1611.10275.

Research Talks

Stationary Distributions for the Voter Model in $d \geq 3$ are Bernoulli Shifts, Probability Seminar. Duke University, Durham, NC. Oct 24, 2019

Convergence of empirical distributions in exponential LPP, Universality in random structures: Interfaces, Matrices, Sandpiles. ICTS, Bangalore, India. Jan 25, 2019.

Interlacing adjacent levels of β-Jacobi corners processes, Integrable Probability Working Group. Massachusetts Institute of Technology, Cambridge, MA. Nov 29, 2016. Slides available at http://lfzhang.com/papers/int_work_group_talk.pdf.

Refinements of 2-dimensional Strichartz estimate by the maximum wave packet, 2016 MIT SPUR Conference. Massachusetts Institute of Technology, Cambridge, MA. Aug 5th, 2016.

Honors and Awards

Apr 2017	Centennial Fellowship. Competitive fellowship awarded by Princeton University at admission, providing a premium over the base stipend level.
Aug 2016	The Hartley Rogers Jr. Prize. For the best paper in the Summer Program for Undergraduate Research in the MIT Department of Mathematics.
Sep 2015	MIT EECS Levine Undergraduate Research and Innovation Scholars.
Apr 2015	Putnam Fellow. Top 6 in the 75th William Lowell Putnam Math Competition.
Aug 2013	Gold Medal in the 54th International Mathematical Olympiad (IMO).