

# Lingfu Zhang

---

CONTACT INFORMATION	Princeton University Fine Hall, 304 Washington Road Princeton, NJ 08544-1000 USA	(609)759-1032 <a href="mailto:lingfuz@princeton.edu">lingfuz@princeton.edu</a> <a href="http://lfzhang.com">http://lfzhang.com</a>
EDUCATION	<b>Princeton University</b> Ph.D. candidate, Mathematics Advisor: Prof. Allan Sly <b>Massachusetts Institute of Technology</b> B.S. double major in Mathematics and Computer Science, Jun 2017 GPA: 4.9 / 5.0	
ARTICLES	R. Basu, S. Ganguly and L. Zhang, <i>Temporal Correlation in Last Passage Percolation with Flat Initial Condition via Brownian Comparison</i> , draft available on request.  L. Zhang, <i>Optimal Estimates for Coalescence of Finite Geodesics in Exponential Last Passage Percolation</i> , draft available on request.  A. Sly and L. Zhang, <i>Stationary Distributions for the Voter Model in <math>d \geq 3</math> are Bernoulli Shifts</i> , available at <a href="https://arxiv.org/abs/1908.09450">https://arxiv.org/abs/1908.09450</a> .  L. Li and L. Zhang, <i>Anderson-Bernoulli Localization on the 3D lattice and discrete unique continuation principle</i> , available at <a href="https://arxiv.org/abs/1906.04350">https://arxiv.org/abs/1906.04350</a> .  V. Gorin and L. Zhang, <i>Interlacing adjacent levels of <math>\beta</math>-Jacobi corners processes</i> , available at <a href="https://arxiv.org/abs/1612.02321">https://arxiv.org/abs/1612.02321</a> , Probability Theory and Related Fields 172, no. 3-4 (2018): 915-981.  H. Wang and L. Zhang, <i>Refinements of the 2-dimensional Strichartz estimate on the maximum wave packet</i> , available at <a href="https://arxiv.org/abs/1611.10275">https://arxiv.org/abs/1611.10275</a> .	
RESEARCH TALKS	<i>Anderson-Bernoulli localization near the edge on the 3D lattice</i> , Applied Math Seminar. Stanford University, Stanford, CA. Dec 4, 2019. Slides available at <a href="http://lfzhang.com/papers/3DAnderson.pdf">http://lfzhang.com/papers/3DAnderson.pdf</a> .  <i>Stationary Distributions for the Voter Model in <math>d \geq 3</math> are Bernoulli Shifts</i> , Probability Seminar. Duke University, Durham, NC. Oct 24, 2019. Slides available at <a href="http://lfzhang.com/papers/Voter_Model_Factor_IID.pdf">http://lfzhang.com/papers/Voter_Model_Factor_IID.pdf</a> .  <i>Convergence of empirical distributions in exponential LPP</i> , Universality in random structures: Interfaces, Matrices, Sandpiles. ICTS, Bangalore, India. Jan 25, 2019.  <i>Interlacing adjacent levels of <math>\beta</math>-Jacobi corners processes</i> , Integrable Probability Working Group. Massachusetts Institute of Technology, Cambridge, MA. Nov 29, 2016. Slides available at <a href="http://lfzhang.com/papers/int_work_group_talk.pdf">http://lfzhang.com/papers/int_work_group_talk.pdf</a> .  <i>Refinements of 2-dimensional Strichartz estimate by the maximum wave packet</i> , 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 Re- search in the MIT Department of Mathematics.
Sep	2015	MIT EECS Levine Undergraduate Research and Innovation Scholars.
Apr	2015	Putnam Fellow. Top 5 in the 75th William Lowell Putnam Math Competition.
Aug	2013	Gold Medal in the 54th International Mathematical Olympiad (IMO).