

# Yun Li

University of Wisconsin-Madison, Department of Mathematics  
480 Lincoln Drive, Madison, WI  
Email: [li724@wisc.edu](mailto:li724@wisc.edu)

---

EDUCATION	<b>University of Wisconsin-Madison</b> Ph.D. candidate in Mathematics Advisor: Prof. Benedek Valkó  <b>Nankai University</b> B.S. in Mathematics (Po-Ling Honors Class) Advisor: Prof. Kainan Xiang	<i>September 2016 - Present</i>  <i>September 2012 - July 2016</i>
RESEARCH INTERESTS	Probability Theory, Random Matrix Theory	
PAPERS	Y. Li, B. Valkó. <i>Operator level limit of the circular Jacobi <math>\beta</math>-ensemble</i> . Preprint, 2021. <a href="https://arxiv.org/abs/2108.11039">arxiv: 2108.11039</a>  L. Dumaz, Y. Li, B. Valkó. <i>Operator level hard-to-soft transition for <math>\beta</math>-ensembles</i> . Electron. J. Probab. <b>26</b> : 1-28, 2021.	
SEMINAR TALKS	Probability Seminar (online), Purdue University <i>Limits for the circular Jacobi <math>\beta</math>-ensemble</i>  Mini Conference for Young Scholars from Probability (online), Xiangtan University <i>Operator level hard-to-soft transition for <math>\beta</math>-ensembles</i> (in Chinese)  Probability Seminar (online), UW-Madison <i>Operator level hard-to-soft transition for <math>\beta</math>-ensembles</i>  Pre-Seminar (online), Columbia University <i>Pre-seminar for Benedek Valkó's talk on the stochastic zeta function</i>	<i>August 2021</i>  <i>November 2020</i>  <i>November 2020</i>  <i>May 2020</i>
HONORS AND AWARDS	Departmental Outstanding TA Award Excellence in Research Graduate Student Award Departmental Mid-Career TA Award UW-Madison Physical Sciences Award Outstanding Undergraduate Award of Nankai University Chinese National Scholarship Po-Ling Mathematics Honorable Scholarship	<i>May 2021</i> <i>November 2020</i> <i>May 2019</i> <i>September 2016</i> <i>June 2016</i> <i>November 2014</i> <i>2013,2014,2015</i>
CONFERENCES/ SUMMER SCHOOLS ATTENDED	Universality and Integrability in Random Matrix Theory and Interacting Particle Systems, Part 1 (online), MSRI  Integrability and Combinatorics at Finite Temperature (online), MATRIX Institute  2021 Southeastern Probability Conference (online), Duke University  The 42nd Midwest Probability Colloquium (online), Northwestern University	<i>August 2021</i>  <i>June 2021</i>  <i>May 2021</i>  <i>October 2020</i>

CMI-HIMR Integrable Probability Online Summer School	<i>July 2020</i>
Online Open Probability School, UBC	<i>June 2020</i>
Online conference on Statistical Mechanics, Integrable Systems and Probability	<i>May 2020</i>
Online Random Matrices and Their Applications 2020, NYU	<i>May 2020</i>
The 41st Midwest Probability Colloquium, Northwestern University	<i>October 2019</i>
AMS Sectional Meeting AMS Special Sessions, UW-Madison	<i>September 2019</i>
Virginia Integrable Probability Summer School, University of Virginia	<i>May 2019</i>
The 40th Midwest Probability Colloquium, Northwestern University	<i>October 2018</i>
The 2nd Northwestern Summer School in Probability, Northwestern University	<i>July 2018</i>
Summer School on Random Matrices, University of Michigan-Ann Arbor	<i>June 2018</i>
The 39th Midwest Probability Colloquium, Northwestern University	<i>October 2017</i>
Dyson-Schwinger Equations, Topological Expansions, and Random Matrices, Columbia University	<i>August 2017</i>
PCMI Graduate Summer School in Random Matrices, Park City Mathematics Institute	<i>July 2017</i>
Madison Workshop in Analysis and PDE, UW-Madison	<i>October 2016</i>

#### EXPERIENCE

<b>UW-Madison Department of Mathematics</b> , Teaching Assistant	<i>Fall 2016 - present</i>
<ul style="list-style-type: none"> <li>• Calculus with Algebra and Trigonometry I (rated as Superior)</li> <li>• Calculus and Analytic Geometry II (rated as Satisfactory)</li> <li>• Calculus - Functions of Several Variables (rated as Superior for all 4 semesters)</li> <li>• Linear Algebra and Differential Equations (rated as Superior)</li> <li>• Elementary Matrix and Linear Algebra (online, rated as Superior)</li> <li>• Introduction to Stochastic Processes (Summer 2020 and 2021, online)</li> </ul>	
<b>UW-Madison</b> , Research Assistant with Prof. Benedek Valkó	<i>Spring 2019, Spring 2020</i>