## Zhifeng Wei

Contact Information	Department of Mathematics	Mobile: +1 (812)391-****	
	Indiana University	Email: zfwei@iu.edu, zfwei.11@gmail.com	
	831 East Third Street,	Homepage: zf-wei.github.io	
	Bloomington, IN 47405, USA		
Interests	Random Walk on Graphs, Spectral Graph Theory, Network Science.		
Education	Department of Mathematics, Indiana University (IU)		
	Ph.D. in Mathematics, August 2018 – May 2024 (expected)		
	<ul><li>Advisor: Prof. Russell Lyons</li><li>Minor in Statistics</li></ul>		
	School of Mathematical Sciences, Beijing Normal University (BNU)		
	M.S. in Mathematics, September 2015 – June 2018		
	<ul><li>Advisor: Prof. Mu-Fa Chen</li><li>Graduation with Distinction: Excellence Award from Beijing City &amp; BNU</li></ul>		
	Beijing International Center for Mathematical Research, Peking University		
	Visiting Student, 7 <sup>th</sup> Enhanced Program for Graduate Study, 2015 Spring Semester Courses: Spectral Theory of Linear Operators, Differential Manifold		
	Cuiying Honors College, Lanzhou University (LZU)		
	B.S. Cum Laude in Mathematics, September 2011 – June 2015		
	• Advisor: Prof. Heping Zhar	ng	
PUBLICATIONS	<ol> <li>Zhi-Feng Wei, Sharp Bounds on Eigenvalues via Spectral Embedding Based on Signless Laplacians, J. Funct. Anal., Vol. 284, No. 5 (2023), Article 109799.</li> </ol>		
	<ul> <li>(2) Zhi-Feng Wei, Inverse Problems for Ergodicity of Markov Chains,</li> <li>J. Math. Anal. Appl., Vol. 505, No. 2 (2022), Article 125483.</li> </ul>		
	(3) Zhi-Feng Wei and Heping Zhang, Number of Matchings of Low Order in (4,6)- Fullerene Graphs, MATCH Commun. Math. Comput. Chem., Vol. 77, No. 3 (2017), 707–724.		
IN PREPARATION	(1) <b>Zhi-Feng Wei and Pablo</b> <i>Embedding in Perturbed Netu</i>	Moriano, Recovering Cluster Structure using Graph porks.	
Invited Talks	<ol> <li>Spectral Embedding, Signless Laplacian, and Random Walk Convergence, Invited by Shiping Liu, University of Science and Technology of China, 2023 Fall.</li> </ol>		
	(2) Sharp Bound on Return Probabilities via Spectral Embedding Method, Grad Student Probability Conference, University of Wisconsin, Sept 2022.		
	(3) Bound Return Probabilities via Spectral Embedding Method,		

Employment	Oak Ridge National Laboratory, United States of America		
	<b>Research Intern</b> , October 2023 – March 2024 and May 2023 – July 2023		
	<ul> <li>Mentor: Dr. Pablo Moriano</li> <li>Supported by the Graduate Research Program at ORNL (GRO)</li> <li>Supported by NSF-MSGI program</li> </ul>		
	Department of	f Mathematics, Indiana University	
	Research As	ssistant/Associate Instructor, August 2018 – present	
TEACHING	2023 Fall	Recitation, Math-M211: Calculus I	
	2023 Spring	Assisting, Math-M118: Finite Mathematics	
	2022 Fall	Teaching, Math-M018: Basic Algebra for Finite Math	
	2022 Summer	Preparation Session for Math PhD Qualifying Exam in Analysis	
	2021 Fall	Recitation, Math-M211: Calculus I	
	2021 Summer	Preparation Session for Math PhD Qualifying Exam in Analysis	
	2021 Spring	Recitation, Math-M106: Mathematics of Decision and Beauty	
	2020 Fall	Grading, Math-M463: Intro to Probability Theory I	
	2020 Spring	Grading, Math-M464: Intro to Probability Theory II	
	2019 Fall	Grading, Math-M463: Intro to Probability Theory I	
	2019 Summer	Assisting, Math-M106: Mathematics of Decision and Beauty	
	2018 Fall	Grading, Math-M365: Intro to Probability and Statistics	
	2016 Fall	Assisting, Linear Algebra (BNU)	
Awards	2023	Mathematical Sciences Grad Intern Fellowship, NSF	
		Awarded by the National Science Foundation to support my intern at Oak Ridge National Lab during the summer of 2023.	
	2023	Lawrence M. Blatt Biotech Internship Fund, IU	
	2019	James Williams Memorial Award, IU Math Department	
		Recognizing excellence in academic performance among top 1st- year graduate students in the IU Math Department.	
	2018	Anna L. Homquest Fellowship, IU	
	2016	National Merit Scholarship of China for Grad Students	
	2016	Excellent Teaching Assistant Award, BNU	
	2014	Cuiying Student Innovation Fund, LZU	
		Supporting undergraduate research for honors students at LZU.	
	2014	Outstanding Student Scholarship, LZU	
	2012	Outstanding Student Scholarship, LZU	
	2012	Scholarship for Outstanding Mathematics Majors, LZU	
LANGUAGES	Chinese (Native), English (Fluent), French (Elementary)		
Skills	C++, Python, TEX, High-Performance Computing (HPC), Mathematica, R		

(Updated: October 9, 2023)