

CONTACT INFORMATION	Department of Mathematics Brown University 151 Thayer Street Providence	Email: zhining_wei@brown.edu wei.863@buckeyemail.osu.edu  Office: Kassas House 014
EMPLOYMENT	<b>Brown University</b> , Providence, RI, USA Tamarkin Assistant Professor	Jul 2023 - present
EDUCATION	<b>The Ohio State University</b> , Columbus, OH, USA Ph.D., Mathematics. Advisor: Wenzhi Luo.  <b>Nankai University</b> , Tianjin, China B.S., Mathematics.	Aug 2017 - May 2023  Sept 2013 - Jun 2017
RESEARCH INTERESTS	Number Theory and Representation Theory. In particular, I am interested in the analytic theory of automorphic forms and representations.	
PUBLICATIONS & PREPRINTS	<ol style="list-style-type: none"> <li>1. <i>Some remarks on strong multiplicity one for paramodular forms.</i> (with Xiyuan Wang, Pan Yan and Shaoyun Yi). Submitted, 2023.</li> <li>2. <i>The weak orthogonality between generalized Möbius functions and bounded sequences.</i> (with Shifan Zhao). Submitted, 2022.</li> <li>3. <i>On distinguishing Siegel cusp forms of degree two</i> (with Shaoyun Yi). Submitted, 2022</li> <li>4. <i>Generalizations of the Erdős-Kac Theorem and the Prime Number Theorem</i> (with Biao Wang, Pan Yan and Shaoyun Yi). Accepted, 2022</li> <li>5. <i>Linear Relations of Siegel Poincaré Series and Non-vanishing of the Central Value of Spinor L-functions.</i> Journal de Théorie des Nombres de Bordeaux, 2021.</li> <li>6. <i>Thesis: Sums of k-th Powers and Fourier Coefficients of Cusp forms.</i> Ramanujan Journal, 2021</li> </ol>	
TALKS AND POSTER SESSIONS	<ol style="list-style-type: none"> <li>1. <i>The Strong Multiplicity One for Siegel Modular Forms.</i> Oct 7, 2023 MAGNTS 2023 at Michigan (poster session)</li> <li>2. <i>On Möbius functions from automorphic forms and a generalized Sarnak's conjecture.</i> Oct 2, 2023 Seminar in Theory and Applications of Discrete Math, Linear Algebra and Number Theory, Washington State University</li> <li>3. <i>On Möbius functions from automorphic forms and a generalized Sarnak's conjecture.</i> Oct 2, 2023 Algebra Seminar at Brown University</li> <li>4. <i>The Refined Strong Multiplicity One and its Applications.</i> Jun 20, 2023 Chinese Academy of Sciences</li> <li>5. <i>The Refined Strong Multiplicity One and its Applications.</i> Jun 16, 2023 Shandong University</li> </ol>	

6. *The Refined Strong Multiplicity One and its Applications.* Jun 9, 2023  
Xiamen University
7. *The Zero Density Theorem for Rankin-Selberg L-functions and its applications.* Jan 6, 2023  
Joint Mathematics Meetings, Special Session on Analytic Number Theory
8. *Linear Relations of Siegel Poincaré Series and Non-vanishing of the Central Value of Spinor L-functions.* Dec 19, 2022  
Copenhagen Number Theory Seminar (online)
9. *A Refined Strong Multiplicity One for  $GL_n$  and its Applications* Oct 22, 2022  
MAGNTS 2022 at Chicago (poster session)
10. *On distinguishing Siegel cusp forms of degree two* Sep 24, 2022  
Palmetto Number Theory Series 34
11. *Linear Relations of Siegel Poincaré Series and Non-vanishing of the Central Values of Spinor L-functions* Mar 17, 2022  
34th Automorphic Forms Workshop at BYU (online)
12. *Linear Relations of Siegel Poincaré Series and Non-vanishing of the Central Values of Spinor L-functions* Nov 23, 2021  
Morningside Seminar on Number Theory at Morningside Center of Mathematics (online)
13. *Böcherer's conjecture and the Non-vanishing of Central Values* Nov 22, 2021  
HAAR (Harmonic Analysis and Automorphic Representations) Zoominar (online)
14. *Linear Relations of Siegel Poincaré Series and Non-vanishing of the Central Values of Spinor L-functions* Oct 3, 2021  
Maine-Québec Number Theory Conference (online)
15. *Linear Relations of Siegel Poincaré Series and Non-vanishing of the Central Values of Spinor L-functions* Sept 26, 2021  
Palmetto Joint Arithmetic, Modularity, and Analysis Series III (online)
16. *Sums of  $k$ -th Powers and Fourier Coefficients of Cusp forms* Aug 11, 2021  
miniMAGNTS 2021 (poster session)

CONFERENCES, WORKSHOPS ATTENDED	Delta symbols and the subconvexity problem 50 Years of Number Theory and Random Matrix Theory Conference Midwest Arithmetic Geometry and Number Theory Series 2019	October 16 - 20, 2023 June 21 - 24, 2022 Oct 12 - 13, 2019
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