

CONTACT INFORMATION	<a href="#">Department of Mathematics</a> The Ohio State University 231 West 18th Avenue Columbus, OH 43210-1174	Email: <a href="mailto:wei.863@buckeyemail.osu.edu">wei.863@buckeyemail.osu.edu</a> <a href="mailto:weizhining863@gmail.com">weizhining863@gmail.com</a> Webpage: <a href="https://people.math.osu.edu/wei.863">https://people.math.osu.edu/wei.863</a> Office: MA 438
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 - present  Sept 2013 - Jun 2017
RESEARCH INTERESTS	Number Theory and Representation Theory. In particular, I am interested in automorphic forms and representations.	
PUBLICATIONS & PREPRINTS	<ol style="list-style-type: none"> <li>1. <i>The zero density theorem for the Rankin-Selberg <math>L</math>-function and its applications.</i> 2022.</li> <li>2. <i>The weak orthogonality between generalized Möbius functions and bounded sequences.</i> (with Shifan Zhao) 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). Submitted, 2022</li> <li>5. <i>Linear Relations of Siegel Poincaré Series and Non-vanishing of the Central Value of Spinor <math>L</math>-functions.</i> Accepted, 2021.</li> <li>6. <i>Thesis: Sums of <math>k</math>-th Powers and Fourier Coefficients of Cusp forms.</i> Submitted, 2021</li> </ol>	
TALKS AND POSTER SESSIONS	<ol style="list-style-type: none"> <li>1. <i>Linear Relations of Siegel Poincaré Series and Non-vanishing of the Central Values of Spinor <math>L</math>-functions</i> Mar 17, 2022 34th Automorphic Forms Workshop at BYU (online)</li> <li>2. <i>Linear Relations of Siegel Poincaré Series and Non-vanishing of the Central Values of Spinor <math>L</math>-functions</i> Nov 23, 2021 Morningside Seminar on Number Theory at Morningside Center of Mathematics (online)</li> <li>3. <i>Böcherer's conjecture and the Non-vanishing of Central Values</i> Nov 22, 2021 HAAR (Harmonic Analysis and Automorphic Representations) Zoominar (online)</li> <li>4. <i>Linear Relations of Siegel Poincaré Series and Non-vanishing of the Central Values of Spinor <math>L</math>-functions</i> Oct 3, 2021 Maine-Québec Number Theory Conference (online)</li> <li>5. <i>Linear Relations of Siegel Poincaré Series and Non-vanishing of the Central Values of Spinor <math>L</math>-functions</i> Sept 26, 2021 Palmetto Joint Arithmetic, Modularity, and Analysis Series III (online)</li> <li>6. <i>Sums of <math>k</math>-th Powers and Fourier Coefficients of Cusp forms</i> Aug 11, 2021 miniMAGNTS 2021 (poster session)</li> </ol>	

DEPARTMENTAL SEMINAR TALKS	1. <i>Linear Relations of Siegel Poincaré Series and Non-vanishing of the Central Values of Spinor <math>L</math>-functions</i> , Number Theory Student Seminar	Oct 12, 2021
	2. Talks on Cogdell's notes "Lectures on $L$ -functions, Converse Theorems, and Functoriality for $GL_n$ ", Automorphic $L$ -functions Student Seminar	Spring 2020
	3. Talks on An introduction to Langlands-Shahidi method, Automorphic $L$ -functions Student Seminar	Fall, 2019
	4. <i>The circle method and the shifted convolutions</i> , Number Theory Student Seminar	Nov 12, 2019
ACADEMIC SERVICE	Reviewer for The Journal of Number Theory (JNTH) Wrote 1 review as of May 2021	Feb 2021 - present
AWARDS, HONORS	The Graduate Teaching Associate Scholarship, The Ohio State University China National Scholarship	2017 - present 2016
CONFERENCES, WORKSHOPS ATTENDED	50 Years of Number Theory and Random Matrix Theory Conference miniMAGNTS 2021 (online) Midwest Arithmetic Geometry and Number Theory Series 2019	June 21 - 24, 2022 Aug 11, 2021 Oct 12 - 13, 2019
MINI COURSES	<a href="#">Trimester Program on Harmonic Analysis and Analytic Number Theory</a> (online) Organizers: Valentin Blomer, Farrell Brumley, Philip Gressman, Marina Iliopoulou, Lillian B. Pierce <a href="#">Summer program on number theory and related topics at Harbin Institute of Technology</a> Organizers: Zhijie Dong, Christian Maire, Jingtao Zang, Yichao Zhang	May 3 - Aug 20, 2021 May 27 - Jun 7, 2019
TEACHING EXPERIENCE	Graduate Teaching Assistant, Department of Mathematics, The Ohio State University  <b>Recitation Instructor</b> Math 2153 Calculus III Math 1172 Engineering Mathematics A (online) Math 1151 Calculus I (online) Math 2153 Calculus III Math 1172 Engineering Mathematics A Math 1151 Calculus I	   Fall 2021 Spring 2021 Fall 2020 Fall 2019 Spring 2019 Fall 2018