

# Rongqing Ye

MATH 400  
150 N. University Street  
West Lafayette, IN 47907  
ye271@purdue.edu

<https://www.math.purdue.edu/~ye271/>

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## Employment

2019 – **Golomb Visiting Assistant Professor**, *Purdue University*.

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## Education

2013 – 2019 **Ph.D. in Mathematics**, *The Ohio State University*, USA.

Advisor: Prof. James W. Cogdell

2009 – 2013 **B.S. in Mathematics**, *Zhejiang University*, China.

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## Research Interests

- Representation theory of  $p$ -adic groups
- $L$ -functions
- Langlands program
- Calculation of  $\gamma$ -factors of  $GL_n$
- Classification of supercuspidal representations of  $p$ -adic groups

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## Publications

**Rankin-Selberg gamma factors of level zero representations of  $GL_n$ .**

April 5th, 2018, arXiv. Forum Mathematicum.

**Exterior square gamma factors for cuspidal representations of  $GL_n$ : finite field analogs and level zero representations**, with Elad Zelingher.

July 12th, 2018, arXiv. Submitted.

**Epsilon factors of representations of finite general linear groups**, with Elad Zelingher.

March 25th, 2019, arXiv.

**Exterior square gamma factors for simple supercuspidal representations of  $GL_n$** , with Elad Zelingher.

In preparation

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## Talks

March 2019 **33rd Automorphic Forms Workshop**, *Duquesne University*.

Title: Epsilon factors over finite field

November 2018 **Number Theory Student Seminar**, *The Ohio State University*.

Title: Bessel functions for  $GL_2$

- October 2018 **Number Theory Seminar**, *The Ohio State University*.  
 Title: Rankin-Selberg Gamma factors of level zero representations of  $GL_n$
- April 2018 **Eighth Annual Upstate Number Theory Conference**, *University at Buffalo*.  
 Title: Gamma factors of level zero representations
- April 2018 **Number Theory Student Seminar**, *The Ohio State University*.  
 Title: Gamma factors of cuspidal representations of  $GL_n(\mathbb{F}_q)$
- March 2018 **32nd Automorphic Forms Workshop**, *Tufts University*.  
 Title: Gamma factors of level zero representations
- February 2016 **Graduate Student Seminar**, *The Ohio State University*.  
 Title: Representation of  $GL_n$  over a local field

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## Conferences and Workshops

- March 2019 **33rd Automorphic Forms Workshop**, *Duquesne University*.
- April 2018 **Eighth Annual Upstate Number Theory Conference**, *University at Buffalo*.
- March 2018 **32nd Automorphic Forms Workshop**, *Tufts University*.
- October 2017 **2017 Midwest Representation Theory Conference**, *Purdue University*.
- October 2016 **2016 Midwest Representation Theory Conference**, *University of Iowa*.
- June 2015 **Representation Theory, Number Theory and Invariant Theory**, *Yale University*.

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## Teaching

- Autumn 2018 **MATH 2153: Calculus III**, *The Ohio State University*.
- Summer 2018 **Mentor for Teaching Associate Training**, *The Ohio State University*.
- Spring 2018 **MATH 2153: Calculus III**, *The Ohio State University*.
- Summer 2017 **Mentor for Teaching Associate Training**, *The Ohio State University*.
- Summer 2017 **Algebra Headstart**, *The Ohio State University*.
- Spring 2017 **MATH 1131: Calculus for Business**, *The Ohio State University*.
- Autumn 2016 **MATH 2153: Calculus III**, *The Ohio State University*.
- Autumn 2015 **MATH 2153: Calculus III**, *The Ohio State University*.
- Spring 2015 **MATH 2152: Calculus II**, *The Ohio State University*.
- Autumn 2014 **MATH 1151: Calculus I**, *The Ohio State University*.