

Fatma Cicek

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Research

- Research interests:
Analytic number theory, probabilistic number theory
- Publications:
On the Logarithm of the Riemann Zeta-function Near the Nontrivial Zeros
(submitted to the Journal of the London Mathematical Society, also available at <https://arxiv.org/abs/2007.10533>)

Talks

- *A discrete analogue to Selberg's central limit theorem*, Number theory seminar, Duke University, USA, February 2020
- *A discrete analogue of Selberg's central limit theorem*, Maine-Québec Number Theory Conference, USA, October 2019
- *Selberg's central limit theorem and its analogues*, Palmetto Number Theory Series XXXII, USA, September 2019
- *The distribution of $\log \zeta(s)$ near the zeros of ζ* , University of Illinois Urbana-Champaign, IL, USA, May 2019
- *The distribution of $\log \zeta(s)$ near the zeros of ζ* , AMS Special Session on Analytic Number Theory, Joint Mathematics Meetings, USA, January 2019

Education

- Ph.D. in Mathematics, University of Rochester, NY, USA, August 2020
PhD thesis: *The Logarithm of the Riemann Zeta-function Near the Nontrivial Zeros*
Advisor: Steven M. Gonek
- M.S. in Mathematics, Boğaziçi University, Istanbul, Turkey, 2011 - 2014
Master thesis: *Algebro-geometric solutions of the Kadomtsev-Petviashvili equation*
Advisors: Arzu Boysal, Burak Gurel
- B.S. in Mathematics, Boğaziçi University, Turkey, 2007 - 2011

Awards

- Graduate Student Teaching Award, University of Rochester, USA, 2020
- AWM Graduate Student Travel Grant, USA, 2019

- TÜBİTAK BİDEB Scholarship for Graduate Students, Turkey, 2011-2013
- TÜBİTAK BİDEB Scholarship for Undergraduate Students, Turkey, 2007-2011

Teaching

- Instructor, MA 623, Number Theory, IITGN, India, Fall 2020
- Instructor, MTH141, Calculus I, University of Rochester, USA, Spring 2020
- Instructor, MTH141, Calculus I, University of Rochester, USA, Fall 2018
- Instructor, MTH143, Calculus III, University of Rochester, USA, Summer 2017
- Instructor, MTH142, Calculus II, University of Rochester, USA, Summer 2016

Experience

- Maine-Québec Number Theory Conference, ME, USA, October 2019
- Palmetto Number Theory Series XXXII, Charlotte, NC, USA, 2019
- Sage Days 103: Women in Sage 2019, St. Louis, MO, USA, 2019
- NSF-CBMS Conference: L -functions and Multiplicative Number Theory, University of Mississippi, MS, USA, 2019
- Joint Mathematics Meetings, Baltimore, MD, USA, 2019
- Perspectives on Riemann Hypothesis, HIMS, Bristol, UK, 2018
- Recent Developments in Analytic Number Theory, MSRI, CA, USA, 2017
- Gainesville International Number Theory Conference, University of Florida, FA, USA, 2016
- International Conference in Number Theory and Physics, IMPA, Rio de Janeiro, Brazil, 2015
- Women and Mathematics Program, Random Matrix Theory, IAS, NJ, USA, 2014
- ELAZ Conference, Lichtenfels, Germany, 2012
- Four Faces of Number Theory, Würzburg, Germany, 2012

Miscellaneous

- Computer skills: C, Python, SageMath
- Languages: Turkish, English(fluent), German(intermediate)
- Extra curricular activity: STEM for All, Tutoring for *Saturday at Carlson*, treasurer of the *Graduate Muslim Student Association of University of Rochester*