

DAVID PENNISTON

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EDUCATION

Ph.D. in Mathematics, University of Georgia, Athens, GA, 6/98.
Thesis advisor: Professor Dino Lorenzini
M.S. in Physics, University of Michigan, Ann Arbor, MI, 8/91.
B.S. in Physics and Mathematics, University of Wisconsin, Madison, WI, 6/90.

EMPLOYMENT

Professor, University of Wisconsin Oshkosh, 9/17 - present.
Associate Professor, University of Wisconsin Oshkosh, 9/11 - 9/17.
Assistant Professor, University of Wisconsin Oshkosh, 9/08 - 9/11.
Associate Professor, Furman University, 9/04 - 9/08.
Assistant Professor, Furman University, 9/00 - 9/04.
Visiting Assistant Professor, Pennsylvania State University, 8/98 - 8/00.
Teaching/Research Assistant, University of Georgia, 9/91 - 6/98.
Teaching Assistant, University of Michigan, 9/90 - 6/91.

RESEARCH INTERESTS

Number Theory, modular forms, elliptic curves, partitions
Arithmetic Geometry, degeneration of curves and Jacobians, K3 surfaces

RECENT PUBLICATIONS

11-regular partitions and a Hecke eigenform, *International Journal of Number Theory* 15 (2019), no. 6, 1251-1259.

The 7-regular and 13-regular partition functions modulo 3 (joint with Eric Boll), *Bulletin of the Australian Mathematical Society* 93 (2016), no. 3, 410-419.

Congruences for ℓ -regular partition functions modulo 3 (joint with David Furcy), *Ramanujan Journal* 27 (2012), no. 1, 101-108.

Average Frobenius distributions for elliptic curves over abelian extensions (joint with Neil Calkin, Bryan Faulkner, Kevin James and Matt King), *Acta Arithmetica* 149 (2011), no. 3, 215-244.

ℓ -divisibility of ℓ -regular partition functions (joint with Brian Dandurand), *Ramanujan Journal* 19 (2009), no. 1, 63-70.

Arithmetic properties of non-harmonic weak Maass forms (joint with Kathrin Bringmann), *Proceedings of the American Mathematical Society* 137 (2009), 825-833.

Divisibility properties of the 5-regular and 13-regular partition functions (joint with Neil Calkin, Nate Drake, Kevin James, Shirley Law, Philip Lee and Jeanne Radder), *Integers* 8 (2008), no. 2, A60, 10pp.

p -adic properties of Maass forms arising from theta series (joint with Sharon Garthwaite), *Mathematical Research Letters* 15 (2008), no. 3, 459-470.