

Dimitris Koukoulopoulos

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Education

Ph.D. Candidate in Mathematics
University of Illinois at Urbana-Champaign, Expected August 2010
Thesis advisor: Kevin Ford

M.S. in Mathematics
University of Illinois at Urbana-Champaign, December 2007

B.S. in Mathematics (Departmental Highest Honors)
Aristotle University of Thessaloniki, Greece, July 2006

Research Interests

Analytic, Probabilistic and Additive Number Theory.

Publications

1. *A reciprocity theorem for certain hypergeometric series* (with Bruce C. Berndt), Proc. Amer. Math. Soc. **137** (2009), 2369-2373.
2. *Localized factorizations of integers*, 36 pages, to appear in Proc. London Math. Soc. arXiv:0809.1072.
3. *Divisors of shifted primes*, 31 pages, to appear in Int. Math. Res. Not. IMRN. arXiv:0905.0163.
4. *On the number of integers in a generalized multiplication table*, in preparation.

Honors and Awards

Bateman Fellowship in Number Theory, University of Illinois at Urbana-Champaign, 2009.

Fellowship, University of Illinois at Urbana-Champaign, 2008-09.

Research Experience for Graduate Students (REGS), University of Illinois at Urbana-Champaign, Summer 2007 and 2009. Advisor: Kevin Ford.

Honorary Scholarship for student excellence, State Scholarships Foundation (I.K.Y, Greece), 2002-03, 2003-04, 2004-05.

Selected Talks

1. *Multiplication tables*, Analysis Seminar, University of Crete, July 1, 2009.
2. *Generalized multiplication tables*, 2009 Graduate Workshop on Zeta Functions, L-Functions and their Applications, Utah Valley University, June 1-4, 2009.
3. *Generalized multiplication tables*, 2009 AMS Spring Central Sectional Meeting, Special Session on Number Theory in the Spirit of Erdős, University of Illinois at Urbana-Champaign, March 27-29, 2009.
4. *Localized factorizations of integers*, Western Number Theory Conference, Colorado State University, December 15-18, 2008.
5. *Localized factorizations of integers*, UIUC Number Theory Seminar, September 9th, 2008.
6. *A probabilistic approach to number theory and its application to a problem on localization of factorizations*, Analysis Seminar, Aristotle University of Thessaloniki, January 8th, 2008.

7. *Localization of factorizations*, 5th Midwest Graduate Student Conference in Number Theory, University of Wisconsin at Madison, November 3-4, 2007.

Appointments

Bateman Fellow, University of Illinois at Urbana-Champaign, Fall 2009.

Graduate Research Assistant, University of Illinois at Urbana-Champaign, Summer 2009. Advisor: Kevin Ford.

Fellow, University of Illinois at Urbana-Champaign, 2008-09.

Graduate Research Assistant, University of Illinois at Urbana-Champaign, Summer 2008. Advisor: Kevin Ford.

Teaching Assistant, University of Illinois at Urbana-Champaign, 2007-08.

Graduate Research Assistant, University of Illinois at Urbana-Champaign, Summer 2007. Advisor: Kevin Ford.

Teaching Assistant, University of Illinois at Urbana-Champaign, 2006-07.

Teaching Experience

Teaching Assistant, Math 241 - Calculus III, University of Illinois at Urbana-Champaign, Spring 2008.

Teaching Assistant, Math 231 - Calculus II, University of Illinois at Urbana-Champaign, Fall 2007.

Grader, University of Illinois at Urbana-Champaign, 2006-07.

Tutor, University of Illinois at Urbana-Champaign, 2006-07.