

Roman Holowinsky

Department of Mathematics
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Curriculum Vitae

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Education

Ph.D. in Mathematics, expected May 2006; Advisor: Henryk Iwaniec
Rutgers University, New Brunswick, New Jersey, 9/2001 - Present.

B.S. in Mathematics and Computer Science, received May 2001
Rutgers University, New Brunswick, New Jersey, 9/1997 - 5/2001

Research Interests

My research is in the field of **Analytic Number Theory** with a focus on **automorphic forms** and **elliptic curves**. Currently, I am studying **shifted convolution sums** and their roll in equidistribution of mass conjectures such as **quantum unique ergodicity** for non-compact arithmetical quotient spaces.

Positions, Fellowships and Teaching

Biological, Mathematical, and Physical Sciences Interfaces Institute (BioMaPS)

Rutgers University, New Brunswick, New Jersey

Graduate Fellowship, Graduate Assistance in Areas of National Need (GAANN)

Fall 2005 and Spring 2006

Department of Mathematics, Rutgers University, New Brunswick, New Jersey

Graduate Fellowship, Excellence Fellowship via H. Iwaniec; *Fall 2004 - Spring 2005*

Department of Mathematics, Rutgers University, New Brunswick, New Jersey

Graduate Assistant; *Spring 2004*

Department of Mathematics, Rutgers University, New Brunswick, New Jersey

Teaching Assistant, Math 135 - Calculus I; *Fall 2002, Spring 2003 and Fall 2003*

Department of Computer Science, Rutgers University, New Brunswick, New Jersey

Part Time Lecturer, CS 110 - Intro. to Computers and Their Application

Fall 2001 and Spring 2002

Talks Given

Graduate Student Number Theory Seminar

Rutgers University; Organizer: H. Iwaniec

- November 1, 2005 - Attempts at Quantum Unique Ergodicity
- September 27, 2005 - Quantum Mechanics and Chaos
- September 20, 2005 - Introduction to Spectral Theory of Automorphic Forms

2005 Introduction to Mathematics at Rutgers

(A mini-conference for entering graduate students)

- September 1, 2005 - Number Theory

Number Theory Seminar

Rutgers University; Organizer: J. Tunnell

- March 5, 2004 - Modular Fundamentals II
- February 27, 2004 - Modular Fundamentals

Conferences and Seminars Attended

2005 Graduate Student Number Theory Seminar

Rutgers University; *Fall 2005*

Organizer: H. Iwaniec

Number Theory Meeting Seminar on Sieve Theory

Centre de Recerca Matemàtica (CRM); *19-20 May 2005*

2004 Number Theory Seminar

Rutgers University; *Spring 2004*

Organizer: J. Tunnell

Matrix Ensembles and L -functions

Isaac Newton Institute for Mathematical Sciences, University of Cambridge

Euroworkshop; *12-16 July 2004*

Organizers: B. Conrey, P. Sarnak and N.C. Snaith

2004 Spring AMS Eastern Sectional Meeting

Special Session on Automorphic Forms and Analytic Number Theory

Rider University; *17-18 April 2004*

Organizers: S. Miller and R. Takloo-Bighash

Joint Number Theory Seminar

Columbia University, CUNY, NYU; *Fall 2003 and Spring 2004*

Organizers: D. Goldfeld, V. Kolyvagin, P. Sarnak and L. Szpiro

Arithmetic Geometry and Number Theory

Princeton University; *11-14 December 2003*

Organizers: B. Conrey, G. Laumon, P. Sarnak and A. Wiles

Joint Number Theory Seminar

Princeton University, IAS, Rutgers University; *Spring 2003*

Joint Number Theory Seminar

Princeton University, IAS; *Fall 2002*

References

Professor Henryk Iwaniec

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Professor Jerrold Tunnell

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Professor Jorge Jimenez Urroz

Departament de Matemàtica Aplicada IV

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Professor Charles Weibel

Graduate Director

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