Adil Ali

Curriculum vitae

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Education

2009–2015   **Ph.D. (expected May 2015) in Mathematics**, *University of Minnesota*, Adviser: Paul Garrett; dissertation: *Self-adjoint boundary value problems on spaces of automorphic forms*.

2009–2013   **M.S. in Mathematics**, *University of Minnesota*, Adviser: Paul Garrett; master's thesis: *Applications of the spectral theory of automorphic forms*.

2005–2009   **B.S. in Mathematics**, *University of Minnesota*.

Research Interests

Analytic and algebraic number theory, with particular interest in the spectral theory of automorphic forms.

Papers

Self-adjoint boundary-value problems on spaces of automorphic forms, in preparation.

Awards, Honors, and Grants

2011–2012   Research Assistantship, supervised by Paul Garrett (NSF grant)

2009   University of Minnesota Dean's List Fall 2009

Teaching Experience

At University of Minnesota

2009–2014   **Teaching Assistant or Workshop Leader**.

Math 1271 (Calculus I), Fall 2009, Spring 2011, Fall 2011

Math 1272 (Calculus II), Spring 2010, Fall 2010

Math 1571H/1572H (Honors Calculus I and II, advanced course on calculus and differential equations), Fall 2013, Spring 2014

2009–2014   **Lecturer (sole instructor)**.

Math 1142 (Short Calculus), Summer 2012 and 2013

Math 1272 (Calculus II), Fall 2012 and Fall 2014

Math 4281 (Introduction to Modern Algebra), Summer 2014

Departmental Service

2011 **Facilitator for New Teaching Assistant Orientation**, University of Minnesota, School of Mathematics, August 2011.

Talks

2014 **"Self-adjoint operators on spaces of automorphic forms"**, Midwest Number Theory conference, University of Illinois, Urbana-Champaign, June 2-4, 2014.

References

Paul Garrett (garrett@math.umn.edu)

Adrian Diaconu (cad@umn.edu)

Benjamin Brubaker (brubaker@math.umn.edu)

Bryan Mosher (mosher@math.umn.edu): teaching reference