Rohit Nagpal

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citizenship: Indian
date of birth: March 18, 1987

RESEARCH INTERESTS	Algebraic combinatorics, modular representation theory, homological stabilization and its applications to geometry and topology.

EDUCATION

University of Wisconsin-Madison

PhD Candidate, Mathematics, expected June 2015   **August 2010 – present**
Advisor: Jordan S. Ellenberg

Indian Institute of Technology Kanpur

Integrated Masters in Mathematics and Scientific Computing   **July 2005 – June 2010**

PUBLICATIONS & PREPRINTS

FI-*modules and the cohomology of modular S_n representations*.
Thesis, to appear.

FI-*modules over Noetherian rings*, with Thomas Church, Jordan Ellenberg and Benson Farb.
To appear in Geometry & Topology.

HONORS & AWARDS

Excellence in Research Award, University of Wisonsin–Madison Math. Dept.   **2014–2015**
Substantial contribution to research in Mathematics as part of thesis work.

Proficiency Medal, Indian Institute of Technology Kanpur.   **June 2010**
Best thesis in Masters in Mathematics and Scientific Computing program.

Certificate of Merit, Indian Institute of Technology Kanpur.   **2008-2009 & 2009-2010**
For academic excellence in Mathematics and Scientific Computing program.

VSRP fellow, Tata Institute of Fundamental Research.   **June – July 2008**

SELECTED TALKS & WORKSHOPS

Geometry and Topology Seminar, University of Chicago.   **Nov 2013**
Talk on "Nakaoka's theorem and mod-p cohomology of unordered configuration spaces".

Graduate Workshop: *Cohomology of Arithmetic Groups*, DePaul.   **May 2013**

TEACHING EXPERIENCE

Teaching Assistant, University of Wisconsin Madison

Math 171 – Calculus with Algebra and Trigonometry I	**Fall 2012, Fall 2014**
Math 217 – Calculus with Algebra and Trigonometry II	**Spring 2012**
Math 221 – Calculus and Analytic Geometry I	**Fall 2011, Spring 2013, Spring 2014**
Math 222 – Calculus and Analytic Geometry II	**Fall 2010, Spring 2011**
Math 234 – Calculus: Functions of Several Variables	**Fall 2013**

REFERENCES

Jordan S. Ellenberg	**Thomas Church**	**Benson Farb**
Department of Mathematics	Department of Mathematics	Department of Mathematics
University of Wisconsin-Madison	Stanford University	University of Chicago
Madison, Wisconsin	Stanford, California	Chicago, Illinois
ellenber@math.wisc.edu	*church@math.stanford.edu*	*farb@math.uchicago.edu*
Steven Sam	**Richard Kent**	
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