

Mark Hyun-ki Kim

CONTACT INFORMATION	Department of Mathematics Rutgers, The State University of New Jersey Piscataway, NJ 08854	mobile: not included in the web CV e-mail: markhkim@dimax.rutgers.edu website: http://www.markhkim.com/
RESEARCH INTERESTS	Harmonic analysis, representation theory, and mathematical analysis at large.	
EDUCATION	Rutgers University , Piscataway, New Jersey B.S. Mathematics, <i>honors track</i>	August 2008 – present
HONORS, AWARDS & PROGRAMS ATTENDED	Adrienne and Maurice Weill scholarship Princeton NSF/RTG summer school in analysis and geometry NSF REU at DIMACS Rutgers University undergraduate mathematics honors track UCLA Logic Center summer school in logic David Martin Weiss memorial award	2010, 2011 2011 2010, 2011 2009 2009 2009
RESEARCH EXPERIENCE	REU Researcher <ul style="list-style-type: none">• Institution: Center for Discrete Mathematics and Theoretical Computer Science• Advisor: Roger D. Nussbaum• Project: Hausdorff Dimensions and Positive Linear Operators	May 2011 – July 2011
	REU Researcher <ul style="list-style-type: none">• Institution: Center for Discrete Mathematics and Theoretical Computer Science• Advisor: Siddhartha Sahi• Project: The Littlewood-Richardson Coefficients of Jack Polynomials	May 2010 – July 2010
TEACHING EXPERIENCE	Details available at: http://markhkim.com/teaching Rutgers University , Piscataway, New Jersey <i>Recitation Mentor</i> Recitation instructor for lower-division mathematics courses, including one-semester precalculus, two-semester precalculus, honors multivariable calculus, and honors differential equations. Rutgers University , Piscataway, New Jersey <i>Grader</i> Grader for undergraduate mathematics courses, including advanced calculus 1, advanced calculus 2, and mathematics for elementary teaching. Rutgers University , Piscataway, New Jersey <i>Athletic Tutor</i> Tutor for athletes in mathematics courses, including multivariable calculus and ordinary differential equations. Rutgers University , Piscataway, New Jersey <i>Peer Mentor</i> Assistant to teaching assistant for calculus 2.	August 2009 – May 2010, August 2011 – present August 2010 – December 2011 January 2011 – May 2011 January 2009 – May 2009

SERVICE	Currently organizing the undergraduate topology reading seminar at Rutgers	Spring 2012
	Organized the graduate student analysis seminar at Rutgers	Fall 2011 – Spring 2012
	Started the graduate student analysis seminar at Rutgers	Fall 2011
CONFERENCES	Joint mathematics meeting, <i>Boston, MA</i>	January 2012
	MAA Garden State undergraduate mathematics conference, <i>Newark, NJ</i>	April 2010
PRESENTATIONS	The Kakeya Problem in Harmonic Analysis	Spring 2012
	<i>Graduate student analysis seminar</i>	Rutgers University, Piscataway, NJ
	Interpolation Theorems I-II	Fall 2011
	<i>Graduate student analysis seminar</i>	Rutgers University, Piscataway, NJ
	Rademacher's Theorem	Fall 2011
	<i>Graduate Student Pizza Seminar</i>	Rutgers University, Piscataway, NJ
	The Hahn-Banach Theorem and Symmetry Invariance I-II	Fall 2011
	<i>Graduate student analysis seminar</i>	Rutgers University, Piscataway, NJ
	Vector Bundles	Spring 2011
	<i>Student differential geometry reading seminar</i>	Rutgers University, Piscataway, NJ
REFERENCES	Professor Michael Beals Vice Dean Rutgers University New Brunswick, NJ 08901 phone: (732) 668-3257 e-mail: beals@sas.rutgers.edu	Professor Simon Thomas Professor II Rutgers University Piscataway, NJ 08854 phone: (732) 445-2390 ext. 0622 e-mail: stthomas@math.rutgers.edu
	Professor Roe Goodman Professor II Rutgers University Piscataway, NJ 08854 phone: (732) 445-2390 ext. 3071 e-mail: goodman@math.rutgers.edu	Professor Eric Carlen Professor II Rutgers University Piscataway, NJ 08854 phone: (732) 445-5788 e-mail: carlen@math.rutgers.edu
LANGUAGES	<i>Fluent in Korean and English.</i>	
LAST UPDATED	<i>February 08, 2011</i>	