

Jiayin Pan

CONTACT INFORMATION	Department of Mathematics Rutgers University-New Brunswick 110 Frelinghuysen Road Piscataway, NJ 08854-8019, USA	jp1016@math.rutgers.edu (848) 448-0412 sites.math.rutgers.edu/~jp1016/
RESEARCH INTERESTS	Metric Riemannian geometry -especially relation between curvature and topology	
EDUCATION	Rutgers University-New Brunswick Ph.D. Candidate, Mathematics (expected May 2018) <ul style="list-style-type: none">• Dissertation Topic: Ricci curvature and fundamental groups• Advisor: Xiaochun Rong Shanghai Jiao Tong University B.A. in Mathematics, May 2012	
PUBLICATIONS	Nonnegative Ricci curvature, stability at infinity, and finite generation of fundamental groups. <i>arXiv preprint, arXiv:1710.05498</i> , 2017. A proof of Milnor conjecture in dimension 3. <i>accepted for publication in J. Reine Angew. Math.</i> , 2017.	
SEMINAR TALKS	Geometry/Topology Seminar, Rutgers University (October 17, 2017) <i>A proof of Milnor conjecture in dimension 3</i> Geometric Analysis Seminar, Fudan University (August 24, 2017) <i>On the Milnor conjecture in low dimensions</i> Young Mathematician Workshop on Differential and Metric Geometry, Capital Normal University (August 12-13, 2017) <i>On the Milnor conjecture in low dimensions</i> Geometric Analysis Seminar, CUNY Graduate Center (May 11, 2017) <i>A proof of Milnor conjecture in dimension 3</i> Geometry/Topology Seminar, Rutgers University (November 15, 2016) <i>Fundamental groups of manifolds with Ricci curvature and covering volume bounded below</i> Workshop on Geometry and Analysis on Manifolds, Eastern China Normal University (July 16-17, 2016) <i>Fundamental groups of manifolds with Ricci curvature and covering volume bounded below</i> Lecture series, Capital Normal University (June 8-22, 2016) <i>Ricci curvature, volume, and fundamental groups</i>	

AWARDS

Excellence Fellowship for Dissertation Work, Fall 2017

Academic Excellence Award, Spring 2013

TEACHING
EXPERIENCE

Summer 2017	Instructor	<i>Differential Equations for Science and Engineering</i>
Spring 2017	TA	<i>Calculus II</i>
Fall 2016	TA	<i>Calculus II</i>
Spring 2016	TA	<i>Differential Equations for Science and Engineering</i>
Fall 2015	TA	<i>Introduction to Real Analysis</i>
Spring 2015	TA	<i>Calculus II</i>
Fall 2014	TA	<i>Calculus I</i>
Spring 2014	TA	<i>Calculus I</i>
Fall 2013	TA	<i>Calculus II</i>