

Rima Chatterjee

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Research Interests:

Low Dimensional Topology, Knot Theory and Contact Geometry

Current Focus:

Heegaard Floer and Khovanov Homology, Branched Cover and Covering Moves

Education:

Louisiana State University

Ph.D in Mathematics (August 2015-Present)
Advisor: Shea Vela-Vick
M.S in Mathematics (August 2015-Dec 2016)

Indian Institute of Technology, Kanpur, India

Msc. in Mathematics (July 2012-May 2014)

Jadavpur University, Kolkata, India

Bsc. in Mathematics (July 2009-May 2012)

Teaching:

Fall 2017
Summer 2017
Spring 2017
Fall 2016
Summer 2016
Spring 2016
Fall 2015

TA for Math 1550 and grader for Math 7510
Ran topology qualifier lab
Tutored Math 1552
Tutored Math 1551
Ran topology qualifier lab
TA for Multivariable Calculus and College Algebra
TA for Math 1551 and 1552

Talks:

Fall 2017
Fall 2016
Fall 2016
Fall 2016
Summer 2016
Spring 2016

Spectral sequence relating Khovanov Homology and Heegaard Floer Homology
Categorification of Alexander Polynomial (Math 7290)
Pencil of Curves (Math 7590)
Introduction to Khovanov Homology (Topology Seminar)
Introduction to point set topology in Geaux Orientation Program
Alexander Polynomial (Mini Project with Shea Vela-Vick)

Relevant Coursework:

Fall 2017
Fall 2017
Summer 2017
Spring 2017
Spring 2017
Fall 2016
Fall 2016
Summer 2016
Spring 2016

Homological Algebra
Geometry of non-positively curved manifolds
Contact Geometry
3-Manifolds
4-Manifolds
Categorification
Hyperplane
Handlebodies and Knot Theory
Mapping Class Groups

Conferences:

January 2019 (Upcoming)
December 2018
November 2018
August 2017
July 2017
June 2016
June 2016

Low dimensional Topology Workshop at UCLA
Tech Topology Conference at Georgia Tech
Geometry and Topology Conference at UT Austin
Symplectic Geometry Workshop at Isaac Newton Institute, UK
Floer Homology and Homotopy Theory at UCLA
Topology Student workshop at Georgia Tech.
Topology in dimension 3.5 at Rice University

Honors and Awards:

April 2016

Pasquale Porcelli Award for Graduate Academic Excellence

May 2014

Proficiency Medal for best performing student in Masters Examination

May 2014

Jasmine Mohiuddin scholarship for best performing student

Feb 2014

Scholarship for highest GPA in first year of Msc.

2009- 2014

Inspire Scholarship

Activities:

2016- Present

Member of Contact Topology Group

2016- Present

Member of Geaux Orientation Program

Academic Affiliation:

Member of American Mathematical Society

Member of Association of Women in Mathematics

Reference:

Shea Vela-Vick Louisiana State University shea@math.lsu.edu