

# Rima Chatterjee

## Curriculum Vitae

Louisiana State University  
Department of Mathematics  
Baton Rouge, LA 70803-4918  
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### Research Interests

Differential Contact geometry  
Geometry  
Low- Branched Cover, Khovanov Homology and Heegaard Floer Homology  
dimensional  
topology

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### Education

August. 2015 **Ph.D. in Mathematics**, *Louisiana State University (LSU)*.  
- present Advisor: David Shea Vela-Vick  
Dec. 2016 **Master of Science in Mathematics**, *LSU*.  
May 2014 **Master of Science in Mathematics**, *Indian Institute of Technology, Kanpur (IITK)*, Kanpur,  
India.  
May 2012 **Bachelor of Science**, *Jadavpur University*, Kolkata, India.  
Major: Mathematics  
Minor: Computer Science and Statistics

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### Talks

2018 Contact Topology Group, LSU, “Transverse Universal Link”.  
2017 Contact Topology Group, LSU, “On Spectral Sequence from Khovanov Homology to Heegaard  
Floer Homology of Double Branched Cover”  
2017 Contact Topology Group, LSU, “Characteristic Foliation and Convex Surface”.  
2016 Contact Topology Group, LSU, “Introduction to Khovanov Homology”.  
2016 Communicating Math, LSU, “Alexander Polynomial”.

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### Teaching

Spring 2018 **MATH 7550 Differential Geometry**, Grader.  
**MATH 4700 History of Mathematics**, Grader.  
Fall 2017 **MATH 1550 Calculus(Recitation)**.  
My responsibility was to hold problem sessions for two sections, grading weekly quizzes and exams.  
**MATH 7510 Topology I**, Grader.  
Summer 2017 **Instructor for Topology Qualifier Lab**.  
My responsibilities include lecturing and doing problems from the question bank. Give mock exams and  
grade those.  
Spring 2017 **MATH 1552 Analytic Geometry and Calculus II (Tutoring)**.  
This required holding problem sessions and occasional lecturing.  
Fall 2016 **MATH 1550 Calculus I (Tutoring)**.  
This required holding problem sessions and occasional lecturing.  
Summer 2016 **Instructor for Topology Qualifier Lab**.  
My responsibilities include lecturing and doing problems from the question bank. Give mock exams and  
grade those.

Spring 2016 **MATH 2057 Multivariable Calculus**, Teaching Assistant.  
Fall 2015 **MATH 1550 Calculus I** , *Grader*.  
**MATH 1552 Analytic Geometry and Calculus II** , *Grader*.

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## Conferences

### Upcoming

May 2018 Perspectives on Bordered Heegaard Floer Theory in Montreal, Canada

### Past

Jan. 2018 Heegaard Floer Workshop at UCLA, Los Angeles  
Dec. 2017 Tech Topology Conference at Georgia Tech., Atlanta  
Nov. 2017 58th Geometry and Topology Conference at UT Austin  
Aug. 2017 Symplectic Geometry Workshop at Isaac Newton Institute, UK  
July 2017 Summer School in Floer Theory and Homotopy Theory at UCLA, Los Angeles  
June 2016 Student Topology Workshop at Georgia Tech., Atlanta  
June 2016 Topology in dimension 3.5 at Rice University, Houston

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## Awards

January 2018 Departmental Travel Grant  
April 2016 Pasquale Porcelli Award for Graduate Academic Excellence  
June 2014 Proficiency Medal for best performing student in Masters Examination  
May 2014 Jasmine Mohiuddin Scholarship  
Feb. 2014 Scholarship for highest GPA in first year of MSc.  
Feb. 2014 Scholarship for highest GPA in first year of Msc.  
May 2012 Academic Distinction in Major and Minor.  
2009-2014 SHE Scholarship

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## Languages

English Fluent

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## Activities

2018-Present Committee Member - Mathematics Student Colloquium, LSU  
2016-Present Member and Organizer - Contact Topology Group, LSU  
2016-Present Committee Member - GEAUX Orientation Program, LSU  
2018 Proctor/Grader - High School Math Contest, LSU  
2015-Present Member and Organiser - Association for Women in Mathematics, LSU

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## Professional Affiliations

2015-present American Mathematical Society  
2015-present AWM

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## Computer skills

Mathematical  $\text{\LaTeX}$   
Programming Languages C, C++, MATLAB

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## References

David Shea Vela-Vick, LSU  
James Oxley, LSU (Teaching)

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oxley@math.lsu.edu