Anirban Bhaduri

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ABHADURI@email.sc.edu

Education

University of South carolina	January 2021 – Present
Doctorate in Philosophy (Ph.D.)(Advisor: Dr.Matthew Ballard)	Columbia, South Carolina, U.S.A.
University of Calcutta	August 2017 – June 2019
Masters in Science (M.Sc.)	Kolkata, West Bengal, India
University of Calcutta	August,2014 – July,2017
Bachelor of Science (B.Sc.)	Kolkata, West Bengal, India

Research Interests

My Research interest lies in the intersection of Derived categories, Algebraic Geometry, Representation Theory, Non-Commutative and Homological Algebra.

Publications and Preprints

- Bhaduri A., Dey S., Lank P. A note on generation and descent for derived categories of noncommutative schemes—submitted in Bulletin of London Mathmatical Society
- Ballard M., Bhaduri A. Orlov Spectra for Weighted Projective Stacks-In Preperation.
- Bhaduri A., Goldberg I., Robotis A.A. *Dimensions Theory of Noncommutative Curves—*In Preperation.

Other Experience

ary,2021 – December,2021
Columbia, South Carolina, U.S.A.
January,2022 – Present
Columbia, South Carolina, U.S.A.
January,2023 – April,2024
Columbia, South Carolina, U.S.A.

Presentations and Talks

On the derived category coherent sheaves of Projective line – Graduate Colloquium, Spring 2023 Department of Mathematics, University of South Carolina

An introductory talk on Quivers and Representation Theory – AGCA Seminar, Spring 2022 Department of Mathematics, University of South Carolina

Instructor

University of South Carolina

- MATH 152 Calculus Workshop
- MATH 170 Finite Mathematics
- MATH 115 Pre-Calculus Mathematics
- MATH 142 Calculus II
- MATH 122 Calculus for Business Administration
- MATH 111 Basic College Mathematics
- MATH 141 Calculus I
- MATH 115 Pre-Calculus Mathematics

Columbia, South Carolina, U.S.A.

Fall 2024

Spring 2024

Fall 2023

Summer 2023

Spring 2023

Fall 2022 Summer 2022

Spring 2022

Teaching Assistant

University of South Carolina

- MATH 141 Calculus I
- MATH 141 Calculus I
- MATH 141 Calculus I

Columbia, South Carolina, U.S.A.

Fall 2021

summer 2021

Spring 2021

Conferences and Workshops

Introductory Workshop: Noncommutative Algebraic Geometry February 5-9, 2024. Simons Laufer Mathematical Sciences Institute, formerly Mathematical Sciences Research Institute.

Connections Workshop: Noncommutative Algebraic Geometry February 1-2, 2024. Simons Laufer Mathematical Sciences Institute, formerly Mathematical Sciences Research Institute.

Mathematics Research Communities - 2023 June 4 - 10, 2023. American Mathematical Society.

Concluding Conference of Simons Collaboration on Homological Mirror Symmetry April 25-28, 2023. Simons Center for Geometry and Physics, Stony Brook University.

Derived Categories, Moduli Spaces and Hyperkahler Varieties Minischool(July 30-31,2022) and Conference(August 1-5,2022). University of Michigan.

Homological Mirror Symmetry April 4-8, 2022. University of Miami, 5030 Brunson Drive, Cosford Cinema.

Analysis, Algebra, Number Theory and Probability Workshop February, 2019. Department of Mathematics, Rahara Ramkrishna Mission Vivekananda Centenary College, Kolkata, West Bengal, India.

Organization

Algebraic Geometry Commutative Algebra and Number Theory Graduate Student Seminar- Fall 2023, University of South Carolina

Mathematical Research Communities Sectional at Joint Mathematics Meeting- January 2024