



Theoretical Statistics and Mathematics Unit

Indian Statistical Institute

203 B.T. Road, Kolkata - 700108

SEMINAR

Date: July 23, 2026

Time: 12 Noon

VENUE:

L-Infinity, 5th Floor, A.N. Kolmogorov Bhavan, ISI Kolkata

SPEAKER:

Jishnu Bose

University of Southern California, USA

TITLE:

Introduction to Mirror Symmetry

ABSTRACT:

This will be an introductory talk on a semester-long seminar on mirror symmetry. This talk would serve as an introduction to the field, starting from questions in enumerative geometry and Gromov-Witten theory as well as string theory. The field was revolutionized by the work of physicists Candelas, de la Ossa, Green and Parkes in 1991, who used mirror symmetry to compute the number of rational curves of degree d on a quintic threefold in P^4 . Once we have introduced the basic questions that led to the development of mirror symmetry, we will discuss the various mathematical objects that appear in the study of it, with the example of the quintic threefold in mind.

ALL ARE CORDIALLY INVITED

[Click here for More Seminar Information](#)