



# INDIAN STATISTICAL INSTITUTE

Theoretical Statistics and Mathematics Unit, Kolkata

## SEMINAR

Date: May 31, 2024

Time: 03:00 PM

### VENUE:

**L- infinity**

(5<sup>th</sup> Floor, A.N. Kolmogorov Bhavan), ISI Kolkata

### TITLE:

**Topological Characterisation of the Affine Plane as  
an Algebraic Surface**

### SPEAKER:

**Aritra Mandal**

Stat-Math Unit, ISI Kolkata

### ABSTRACT:

*C.P.Ramanujam proved in 1971 that a non-singular complex algebraic surface which is topologically contractible and simply connected at infinity then the surface is isomorphic to affine two-space as an algebraic variety. Also in the same paper he showed both the assumptions are necessary by constructing a counter-example. In this talk we will go through the proof of the first part, that is assuming the above conditions a algebraic surface is isomorphic to affine two-space as an algebraic variety.*

**ALL ARE CORDIALLY INVITED**