



INDIAN STATISTICAL INSTITUTE

Theoretical Statistics and Mathematics Unit, Kolkata

LECTURE

Date: July 17, 2023, Monday
Time: 04:15 PM

VENUE:

L-2

(4th Floor, A.N. Kolmogorov Bhavan), ISI Kolkata

TITLE:

Quasigeodesic Anosov Flows in Dimension Three

SPEAKER:

Anindya Chanda

Florida State University

ABSTRACT:

A flow is called quasigeodesic if the flowlines of the lifted flow in the universal cover of the underlying manifold are globally length minimizing up to some bounded errors. Quasigeodesic behavior of flowlines is a very strong tool in the study of geometry and the dynamic properties of flows. It bridges the dynamics of the flow and the large-scale geometry on hyperbolic and $CAT(0)$ manifolds. This area of study was introduced by Cannon and Thurston in their pioneering paper 'Group Invariant Peano Curves'. In this talk, we will discuss Anosov flows which are quasigeodesic. Especially we will present new examples of Quasigeodesic Anosov flows.

ALL ARE CORDIALLY INVITED