



Theoretical Statistics and Mathematics Unit, Kolkata
INDIAN STATISTICAL INSTITUTE

SEMINAR

Date: May 15, 2025
Time: 02:30 PM

VENUE:

L-infinity

(5th Floor, A.N. Kolmogorov Bhavan), ISI Kolkata

TITLE:

Recent progress on the Miyanishi conjecture

SPEAKER:

Nilkantha Das

Stat-Math Unit, ISI Kolkata

ABSTRACT:

A famous theorem of Ax says that an injective self map of an algebraic over an algebraically closed field of characteristic zero is necessarily an isomorphism. M. Miyanishi (2005) proposed a generalization of the above result. He conjectured that an endomorphism of an algebraic variety, defined over an algebraically closed field of characteristic zero, is an automorphism if the endomorphism is injective outside a closed subset of codimension at least 2. We talk about recent progress of Miyanishi's conjectural generalization of the theorem of Ax. This is based on a joint work with I. Biswas.

ALL ARE CORDIALLY INVITED