



Theoretical Statistics and Mathematics Unit

Indian Statistical Institute

203 B.T. Road, Kolkata - 700108

SEMINAR

Date: August 06, 2026

Time: 4:15 PM

VENUE:

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

SPEAKER:

Supravat Sarkar

Princeton University, USA

TITLE:

Proof of Miyanishi's conjecture on endomorphisms of varieties

ABSTRACT:

If X is a quasi-projective variety over a field k and ϕ a birational endomorphism of X that is injective outside a closed subset of codimension ≥ 2 , we prove that ϕ is an automorphism. This generalizes an old theorem of Ax and proves a conjecture of Miyanishi from 2005. A key step in our proof is a finiteness result on class groups, which is of interest in its own right.

ALL ARE CORDIALLY INVITED

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