



Theoretical Statistics and Mathematics Unit, Kolkata
INDIAN STATISTICAL INSTITUTE

Thesis Pre-Submission Seminar

Date: March 07, 2025
Time: 03:00 PM

VENUE:

L-infinity

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

TITLE:

Mazur's Intersection Property and its Variants

SPEAKER:

Deepak Gothwal

Stat-Math Unit, ISI Kolkata

ABSTRACT:

In this talk, we are going to discuss various notions related to the Mazur's intersection property (MIP). We characterise the uniform version of MIP (UMIP) in terms of uniform w^ -semitdenting points. Then we discuss uniform smoothness and asymptotic uniform smoothness (AUS) in terms of ball separation properties. This helps us to obtain residuality results in each of these cases leading to interesting consequences. We also discuss MIP on a generalised class of sets. At the end, we discuss some possible approaches towards some unresolved issues in the given context.*

ALL ARE CORDIALLY INVITED