



Theoretical Statistics and Mathematics Unit, Kolkata
INDIAN STATISTICAL INSTITUTE

SEMINAR

Date: June 10, 2025
Time: 02:00 PM

VENUE:

L- 2

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

TITLE:

Cubic Forms and the Circle Method

SPEAKER:

Arun Vittal Wandakar

Junior Research Fellow (JRF)
Stat-Math Unit, ISI Kolkata

ABSTRACT:

In this talk, we address two results concerning cubic forms and the Waring problem for cubes. First, we prove that every sufficiently large natural number can be expressed as the sum of at most nine non-negative integer cubes, establishing that $G(3) \leq 9$. Second, we show that any non-singular cubic form with integer coefficients in at least 17 variables admits a non-trivial integer zero.

ALL ARE CORDIALLY INVITED