



Statistics and Mathematics Unit, Kolkata

Indian Statistical Institute

Lecture Series:

Group Representations in Analytic Number Theory

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ABSTRACT:

As with many other branches of mathematics, the representation-theoretic point of view has influenced and is increasingly influencing analytic number theory, inspiring new lines of inquiry and shedding new light on several problems, both classical and modern, such as lattice point counting, estimating periods and L-functions, QUE, and other equidistribution questions.

This series of lectures will be an introduction to this topic, with the ultimate goal of studying papers by Bernstein–Reznikov, Blomer–Harcos, Bruggeman–Motohashi, and so forth.

The lecture will be given every Wednesday from 2:15 to 4:00 pm.

The first lecture will be about attaching representations to automorphic forms.



Date: August 19, 2026



Time: 2:15 – 4:00 PM



Venue: L-infinity, 5th Floor, A.N. Kolmogorov Bhavan, ISI Kolkata

ALL ARE CORDIALLY INVITED