



Theoretical Statistics and Mathematics Unit

Indian Statistical Institute

203 B.T. Road, Kolkata - 700108

SEMINAR

Date: July 01, 2026

Time: 02:30 PM

VENUE:

L-2, 4th Floor, A.N. Kolmogorov Bhavan, ISI Kolkata

SPEAKER:

Kampamolla Venkatasubbareddy

Stat-Math Unit, ISI Kolkata

TITLE:

Orthogonality relation between the Fourier coefficients and the additive character

ABSTRACT:

Let α be an irrational number of type 1 and f be a Hecke-Maass cusp form for $SL(2, \mathbb{Z})$. We establish a power-saving estimate for the exponential sum $\sum_{n \leq N} \lambda_f(n) \nu(n) e(n\alpha)$ where ν is either the von Mangoldt function or the Möbius function and $\lambda_f(n)$ is the normalized n th Fourier coefficients of f .

ALL ARE CORDIALLY INVITED

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