

$$\sum_{n=1}^{\infty} a_n n^{-s}$$

Lecture Series:

$$\Gamma(s) = \int_0^{\infty} t^{s-1} e^{-t} dt$$

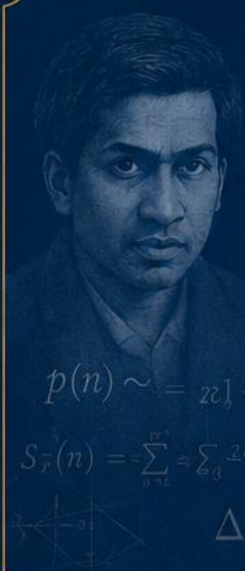
Analytic Theory of Automorphic Forms and *L*-functions

By

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FIRST LECTURE:

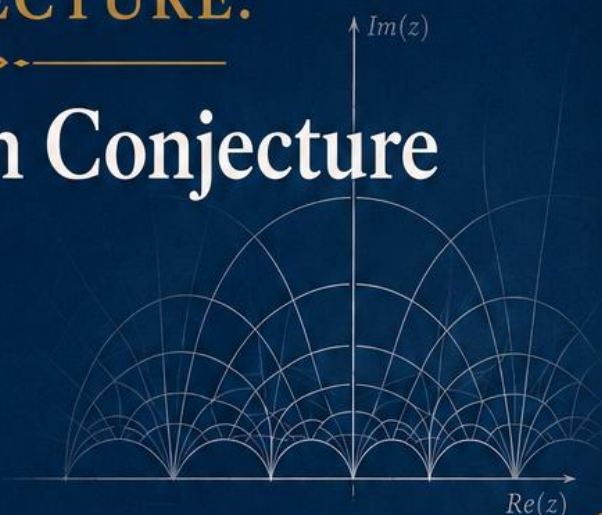
Ramanujan Conjecture



$$p(n) \sim \frac{1}{2\pi i} \frac{4n\sqrt{3}}{\tau(n)} e^{\pi\sqrt{\frac{2n}{3}}}$$

$$S_{\tau}(n) = \sum_{d|n} d^{11}$$

$$\Delta(z) = q \prod_{n=1}^{\infty} (1 - q^n)^{24}$$



Date: August 03, 2026



Time: 2:15–4:00 PM

VENUE:

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