ICTS Geometry and Physical Mathematics Seminar

Title : Logarithmic Gromov--Witten theory: algebraic vs symplectic

Speaker : Mohan Swaminathan (Tata Institute of Fundamental Research, Mumbai)

Date : Thursday, 15 January 2026

Time : 10:00 AM (IST)

Abstract : Let X be a non-singular projective variety. Gromov--Witten (GW) theory is a way of counting curves in X and it is a fundamental fact that the resulting numbers are invariant under deformations of X. Logarithmic GW theory is a deformation-invariant extension of GW theory to spaces having mild (e.g., normal crossings) singularities. I will explain two distinct approaches to log GW theory (algebraic and symplectic) and then describe a comparison theorem relating them. This is based on joint work with Mohammad Farajzadeh-Tehrani.

Venue : Emmy Noether Seminar Room
Zoom Link: https://icts-res-in.zoom.us/j/97313395739?pwd=q8SH8iQHK499bUUTzToOoKUP5PeXtu.1
Meeting ID: 973 1339 5739
Passcode: 072026