

GEOMETRIC PROBLEMS IN GENERAL RELATIVITY II

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Time: Thu, Jun. 27, 9:00-11:20

Venue: Room 102, SCMS

Abstract: In the first presentation, we will introduce the background knowledge of general relativity including the Einstein equations, matter fields and stress-energy tensor, energy conditions, static and stationary solutions, Cauchy problem, initial data and constraint equations, trapped surfaces, and asymptotically flat spacetime.

In the second presentation, we will present localized deformations and the density Theorem for the constraint equations.