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Joint Geometric Analysis Seminar

*On the theory of the formation of
trapped surface and black hole*

Prof. Junbin Li
Sun Yat-Sen University

Abstract

The study of the formation of trapped surface and black hole, and the large data problem in general relativity, is pioneered by Christodoulou in 2008, in his work "The formation of black hole in general relativity". In this talk, I will briefly introduce my works on the formation of trapped surface and black hole, including the construction of Cauchy data that leads to the formation of trapped surface, and some works on the weak cosmic censorship conjecture, which is one of the fundamental problems in general relativity.

Date: 17 April 2019 (Wednesday)
Time: 11:00am – 12:00noon
Venue: Room 502a, Academic Building No.1 ,
The Chinese University of Hong Kong, Shatin

All are Welcome