THE UNIVERSITY   **OF HONG KONG**

Institute of Mathematical Research
Department of Mathematics

PDE Seminar

Wave equations on (asymptotically) hyperbolic spaces

Professor Chengbo Wang

Zhejiang University

Date:	January 25, 2024 (Thursday)
Time:	4:00 – 5:00pm
Venue:	Room 210, Run Run Shaw Bldg., HKU

Abstract

In this talk, I will discuss our results for linear and nonlinear wave equations on hyperbolic spaces and asymptotically hyperbolic spaces. In particular, we will discuss the dispersive estimates, Strichartz estimates, as well as their applications in the analogs of the Strauss conjecture. It is based on my joint works with Yannick Sire, Christopher D. Sogge, Junyong Zhang, as well as Xiaoran Zhang.

All are welcome