



THE HONG KONG UNIVERSITY OF SCIENCE & TECHNOLOGY

Department of Mathematics

SEMINAR ON PDE

**Some recent results on
asymptotically Poincaré-Einstein manifolds**

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Abstract

Poincaré-Einstein manifolds are a class of noncompact Riemannian manifolds with a well-defined boundary at infinity. They appear as the framework of AdS/CFT correspondence in string theory and have been studied intensively. I will discuss some recent results relating the Yamabe invariant of the boundary and that of the interior. The talk is based on joint work with my student Zhixin Wang.

Date: 26 June 2023 (Monday)

Time: 11:00am

Venue: Room 3472 (Lift 25/26)

All are Welcome!