

Higher-rank lattices actions on conformal structures

mardi 11 juin 2024 11:00 (1 heure)

In this talk I will discuss both Lie groups and lattices actions by conformal transformation of a pseudo-Riemannian manifold, related to the Lorentzian Lichnerowicz' conjecture.

I will first discuss dynamics of $SL(2, \mathbb{R})$ -actions on closed Lorentzian manifolds, and then I will detail recent advances for higher-rank lattices conformal actions, and ongoing works with Thierry Barbot in the specific Lorentzian case.

Orateur: PECASTAING, Vincent (Université Côte d'Azur)