

# Exploring the asymptotics of scalar fields near spatial infinity

*mardi 19 novembre 2024 11:00 (1 heure)*

Conformal geometry tools allow us to study global geometric aspects of a spacetime using local differential geometry. In this talk, I will focus on a particular conformal representation of Minkowski spacetime which allows us to study the asymptotics of massless fields near spatial infinity. I will briefly discuss the analysis of the asymptotics of the wave equation in the context of this conformal representation and its application in the calculation of asymptotic conserved quantities associated with this field. This talk is based on [arXiv:2408.03389].

**Orateur:** MAGDY, Mariem (Instituto Superior Técnico)