

## Charles Frances (Paris-Sud) Rigidity of conformal boundaries in pseudo-Riemannian geometry

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A convenient way to build a conformal boundary to a (noncompact) pseudo-Riemannian manifold, is to embed conformally as a strict open subset of a manifold of the same dimension, and then consider the topological boundary of the embedding. The aim of the talk is to discuss the possibility of such a strict embedding, and then to show that as soon as we deal with manifolds of dimension  $n$ , the conformal boundary essentially does not depend on the embedding. We will also generalize this rigidity property of boundaries to other geometric structures.

**Kontakt:**

Humboldt-Universität zu Berlin . Institut für Mathematik  
SFB 647 . Unter den Linden 6 . 10099 Berlin  
Tel. +49 30 2093 1804 . Fax. +49 30 2093 2727  
sfb647@math.hu-berlin.de