

abstract

GUEST LECTURE IN GEOMETRIC PDE

Topic:

Speaker:

Affiliation:

Date:

Time/Room:

We consider the problem of finding complete conformal metrics determined by a symmetric function of Ricci tensor in a negative convex cone on compact manifolds. A consequence of our main results is that any smooth bounded domain in Euclidean space of dimension greater or equal to 3 admits a complete conformally flat metric of negative Ricci curvature with the $\det(-\text{Ric}) = 1$.