

Title

Positive Scalar Curvature and Manifolds with Boundary

Abstract

A central theme in modern geometry is the relationship between curvature and topology. In particular, much is now understood about the problem of finding manifolds whose topology permits a Riemannian metric of positive scalar curvature. More recently, considerable efforts have been made to understand the topology of the space of such metrics on a given closed manifold. In this talk, I will review this problem before discussing the analogous problem for manifolds with boundary. I will then present some recent results.