

The simplicial volume of manifolds fibering over spheres

Speaker: Thorben Kastenholz

Abstract: It is a classical result that manifolds that are total spaces of fiber bundles, whose fiber has amenable fundamental group, have vanishing simplicial volume. In this talk I will explore the opposite question, where the manifolds fiber non-trivially with arbitrary fiber over a manifold with amenable fundamental group. The main focus will lay on manifolds fibering over spheres and an application to characteristic classes. All of this is joint work with Jens Reinhold.

Time: 16:00 (German time)