

Gradient invariants of aspherical manifolds with small amenable category

Speaker: Clara Löh

Abstract: The vanishing of stable integral simplicial volume implies vanishing of certain gradient invariants, such as the rank gradient of the fundamental group, the Betti number gradient, and the logarithmic torsion homology growth. In this talk, I will report on recent joint work with Marco Moraschini and Roman Sauer on integral foliated simplicial volume and stable integral simplicial volume of aspherical closed manifolds that admit an amenable open cover of "small" multiplicity as well as the consequences for the mentioned gradient invariants.

Time: 16:00 (German time)