

The Boundary Conjecture for Leaf Spaces

Adam Moreno

(University of Notre Dame, US)

Abstract:

The boundary conjecture asks "Is the boundary of an Alexandrov space itself an Alexandrov space?" Attacking this problem is messy general. However, quotients of singular Riemannian foliations (with closed leaves), called leaf spaces, are a particularly nice type of Alexandrov space with a more approachable geometry. In this talk, we will use this geometry to prove the boundary conjecture for this special case. Given this generality, we see that the boundary conjecture also holds for orbit spaces of isometric group actions by compact Lie groups.

Wednesday, November 7th, 2018, 16:00

MathI Sem 0.102