

CENTRAL MICHIGAN UNIVERSITY  
Department of Mathematics  
GRADUATE STUDENT  
SEMINAR

ADAM MORENO  
University of Notre Dame

THE BOUNDARY CONJECTURE FOR LEAF  
SPACES

Tuesday, March 12, 4:00 pm - 5:00 pm  
Pearce Hall, Room 227

The boundary conjecture asks "Is the boundary of an Alexandrov space itself an Alexandrov space?" Attacking this problem is messy in 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. While the tools used are a bit specialized, the story and flow of the proof is very intuitive and should be accessible to graduate students.

*Light refreshment is provided for free drop-in at PE 216*

*From 3 pm prior to the seminar*

*Meet Adam to share his life experiences as a graduate student in mathematics.*