Chris Connell

Title: Rigidity for Maps and Measures on Foliated Spaces

Abstract: I will present some entropy and volume rigidity statement for general foliated maps between compact foliated spaces in the sense of Besson, Courtois and Gallot. In particular, we establish an isoentropic inequality with respect to a transverse (quasi-)invariant measure which is optimized when all leaves are locally symmetric. We will give some applications of this, and indicate how it relates to the entropy rigidity conjecture for higher rank spaces together with a classification of the harmonic measures. Respective portions of this work are joint with either Zhenyu Li or Matilde Martinez.