



Speaker: Lee Kennard
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Thursday, October 17, 2013
2:00 PM
258 Hurley Hall

Title: Two children of the Chern conjecture

Abstract:

For Riemannian manifolds with positive sectional curvature, Chern conjectured that every abelian subgroup of the fundamental group is cyclic. While true for even-dimensional and constant curvature manifolds, counterexamples were found by Shankar and later by Bazaikin and Grove-Shankar. In the presence of symmetry, I will discuss formulations of, and evidence for, two proposed modifications of this conjecture.