

Speaker: Catherine Searle

Tuesday, May 1, 2012
11:00 am
258 Hurley Hall

Title: Non-negatively curved 5-manifolds with almost maximal symmetry rank

Abstract:

We consider closed, non-negatively curved, simply-connected 5-manifolds with an isometric T^2 action. We show that such a manifold is diffeomorphic to one of S^5 , $S^3 \times S^2$, $S^3 \tilde{\times} S^2$ (the non-trivial S^3 bundle over S^2) or $SU(3)/SO(3)$, commonly known as the Wu manifold. This is joint work with Fernando Galaz-Garcia.