



Speaker: Xiaodong Wang
Michigan State University

Thursday, March 8, 2012
2:00 PM
125 Hayes-Healy Hall

Title: On the bottom of spectrum of strongly pseudoconvex Kahler manifolds

Abstract:

The bottom of spectrum is an important invariant for a complete Riemannian manifold. We are interested in both the upper and lower bounds assuming a negative lower bound on the Ricci curvature. I will first discuss some results in the Riemannian case. Then I will focus on the Kahler case. We will formulate a conjecture for pseudoconvex Kahler-Einstein manifolds and discuss some partial results. This is a joint work with Song-Ying Li.