CCSU DEPARTMENT OF MATHEMATICAL SCIENCES

COLLOQUIUM

Friday, September 17 3:00 – 4:00 PM Maria Sanford, Room 101

SOME CONVEXITY RESULTS FOR THE LAPLACIAN

ZACHARY MCGUIRK

CENTRAL CONNECTICUT STATE UNIVERSITY

Abstract: Given a harmonic function on a normal homogeneous compact Riemannian manifold one can show that the Laplace-Beltrami operator may be written as a sum of squares and that Δ^k is non-negative for all $k \in \mathbb{N}$.

For further information:

gotchevi@ccsu.edu 860-832-2839
http://www.math.ccsu.edu/gotchev/colloquium/