



Speaker: Leandro Lichtenfelz
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Thursday, October 6, 2016

2:00 PM

125 Hayes-Healy Hall

Title: Normal Forms for the L^2 Riemannian Exponential Map on Diffeomorphism Groups.

Abstract:

I will describe new results concerning the local structure of conjugate points and the exponential map on the group of volume-preserving diffeomorphisms equipped with the L^2 metric. As a Corollary, we obtain an L^2 version of the classical Morse-Littauer theorem in Riemannian geometry.