

COLLOQUIUM

University of Notre Dame
Department of Mathematics

Paolo Piccione

University of San Paulo, Brazil

Will give a lecture entitled
Equivariant bifurcation in geometric variational problems

On

Wednesday, April 6, 2011

at 4:15 PM in Room 117 Hayes-Healy Hall

Abstract:

I will present some of the basic ideas of bifurcation theory, with emphasis in geometric variational problems having a non trivial group of symmetries. I will discuss the abstract theory in a few examples, including the variational problem of constant mean curvature submanifolds, and the Yamabe problem.