



Speaker: Nero Budur
University of Notre Dame

Thursday, February 9, 2012
11:00 AM
258 Hurley Hall

Title: Milnor Fibers

Abstract:

We will survey some of the uses of the Milnor fibers, connections with other fields, and introduce the main objects of this seminar, the motivic Milnor fibers. I will then explain the relation of the motivic Milnor fibre to the Monodromy conjecture.

About the seminar: We will be reading the paper "Monodromy and the Lefschetz fixed point formula" by Hrushovski and Loeser, arxiv:1111.1954. The paper uses motivic integration and cohomology of Berkovich spaces to give a geometric proof of a Lefschetz type formula for a Monodromy operator.