

ALGEBRA AND NUMBER THEORY
SEMINAR

Homogeneous spaces over function fields of dimension two

Yi Zhu
University of Utah

Abstract: Let K be either a global function field or a function field of an algebraic surface. Johan de Jong formulated the following principle: a “rationally simply connected” K -variety admits a rational point if and only if the elementary obstruction vanishes. In this talk, I will discuss how this principle works for projective homogeneous spaces. In particular, it leads to a classification-free result towards the quasi-split case of Serre’s Conjecture II over K .

Wednesday, April 3, 2013, 3:00 pm
Mathematics and Science Center: W306

MATHEMATICS AND COMPUTER SCIENCE
EMORY UNIVERSITY