

COLLOQUIUM

University of Notre Dame
Department of Mathematics

Jeff Streets

Princeton University

Will give a lecture entitled
Geometric flows in complex geometry

On

Thursday, January 27, 2011

at 4:30 PM in Room 129 Hayes-Healy Hall

Abstract:

Then I will discuss a new geometric evolution equation generalizing the Kahler Ricci flow onto certain non-Kahler manifolds. I will exhibit a remarkable relationship between this flow and the B-field renormalization group flow of string theory, and describe how some reasonable conjectures for this flow can be used to understand the long unsolved problem of the classification of the mysterious Class VII surfaces.