

THE MATHEMATICS DEPARTMENT PRESENTS

A MATHEMATICS COLLOQUIUM

THURSDAY, November 15, 2007

BOND HALL 227

4:00 pm

Title: Discrete-time games and algorithms for geometric motions

Speaker: Matthew Rudd, University of Idaho

Abstract: I will discuss some of the connections between two-player games and nonlinear partial differential equations that describe moving interfaces. In particular, the talk will focus on how these connections can be used to develop algorithms for the curvature-driven motion of planar curves.

Refreshments will precede the talk at 3:30pm in Bond Hall 300
courtesy of Amy Anderson.