

Kempner Colloquium

# NUMERICAL ALGEBRAIC GEOMETRY: AN INTRODUCTION AND APPLICATIONS

**Jose Rodriguez**

(UC Berkeley)

Numerical algebraic geometry is a growing field in mathematics that focuses on describing zeros of polynomial systems. Already, there have been applications in kinematics, statistics, PDE's, and pure math. The first half of the talk, introduces definitions and ideas used to describe solutions of polynomials. The second half of the talk focuses on my own research, maximum likelihood duality, and its applications to algebraic statistics.

Monday February 18, 2013

4:00 p.m.

MATH 350