

Group in **LOGIC AND THE METHODOLOGY OF SCIENCE**
University of California, Berkeley

LOGIC COLLOQUIUM

ANDRÉS EDUARDO CAICEDO

Harry Bateman Research Instructor in Mathematics
California Institute of Technology

will speak on

Some Results in Finite Combinatorics

on

Friday, November 2, 2007

in

60 Evans Hall

at

4:10 p.m.

The biweekly **LOGIC TEA**
(with support from the Graduate Assembly)
will be held in the Alfred Tarski Room (727 Evans Hall)
immediately following the Colloquium.

Abstract

I survey some (recent) results in finite combinatorics inspired by considerations from mathematical logic. These include a formula for Goodstein's function, the rate of growth of the regressive Ramsey numbers, and the size of intersecting families of finite sets that are minimal under definability.