

Intersecting families and definability

Andres Caicedo

Department of Mathematics
Boise State University

A family F of sets is called intersecting if any two sets in F have nonempty intersection. In extremal set theory one investigates the largest size that such a family can have, subject to certain restrictions. Motivated by questions in descriptive set theory, we investigate this problem when the restriction comes from definability conditions in the sense of mathematical logic. This is joint work with John Clemens, Clinton Conley, and Benjamin Miller.

Friday, September 19th, 2008

2:40PM

Room: MG 120

Refreshments in MG 226 at 2:20pm