

Geometry Seminar
February 26, 2008, Tuesday, 6:00 p.m.
Room 613, Courant Institute
251 Mercer Street, New York

From combinatorics to topology: back and forth

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Abstract

There is a connection between the global topology of singularities of maps and combinatorics around the Colored Caratheodory and Kruskal-Katona Theorems. This is used for deriving some combinatorial results by elementary topology and, conversely, reducing some topological problems to known results in the extremal set theory.

For further information contact {pach,pollack}@cims.nyu.edu, or visit our website: http://www.math.nyu.edu/seminars/geometry_seminar.html