Massachusetts Institute of Technology
Department of Mathematics

LUNCH SEMINAR FOR GRADUATE STUDENTS

MONDAY, SEPTEMBER 19, 2012
12:00 - 1:00 PM

ROOM 2-147

Mark Behrens
(MIT)

"Exotic spheres"

Abstract

An exotic sphere is a smooth manifold which is homeomorphic, but not diffeomorphic, to a standard sphere. In which dimensions do their exist exotic spheres? I will discuss the classical work of Kervaire and Milnor, the recent work of Hill, Hopkins, and Ravenel, and a current project with Hill, Hopkins and Mahowald.

Followed by pizza in room 2-290

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