Finite group actions and exotic smooth structures on 4-manifolds

R. Inanc Baykur
(Columbia)

September 21, 2007

In this talk, I will discuss an equivariant version of the reverse engineering technique of Fintushel and Stern. I will then demonstrate how this technique can be used to produce some new examples of real symplectic 4-manifolds, infinite families of small exotic 4-manifolds, and infinite families of (possibly) exotic embeddings of surfaces. This is work in progress.

1:00 p.m.
Math 507
Columbia University