Meeting: 1001, Evanston, Illinois, SS 13A, Special Session on Algebraic Topology: Interactions with Representation Theory and Algebraic Geometry

1001-57-310   **Özgün Ünlü***, unluo@math.mcmaster.ca. *Free p–group actions on products of spheres.*
A well–known conjecture states that every rank two p–group acts freely and smoothly on a product of two spheres. In a joint work with Adem and Davis, we proved this for $p \geq 5$. In this talk, I will discuss the situation at the small primes $p = 2$ and $p = 3$. (Received August 30, 2004)