



YMC 2006



Young Mathematicians Conference 2006

August 4th-6th at The Ohio State University.

CONJUGACY CLASSES OF PERMUTATIONS

Spyro Roubos

NC State University [Mentor: Ruth Haas]

Abstract of Poster Prestation: Given a group G , two elements $w, w_2 \in G$ are conjugate iff there exists another element $g \in G$ such that $w_2 = gwg^{-1}$. An involution, $x \in G$ is such that: $x = x^{-1}$. We consider the conjugacy classes in the set of involutions of the permutation group S_n . In this talk, we will give some combinatorial and algebraic results about these classes. If time permits, we will give results found for another related permutation group. [RS13144112]

[Joint work with Erin Oliver]

Contact: sroubos@mail.rochester.edu

Received: July 25, 2006