

Maximal Cofinitary Groups

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Cofinitary Groups are subgroups of the symmetric group on the natural numbers in which all elements other than the identity have at most finitely many fixed points. In the study of these groups there is a definite need for set theoretical methods. Analogies between these groups and certain set theoretical objects suggest many interesting questions. We will explain this need for set theory, and some of the questions suggested by the analogy. Then we will explain what we know about the answers so far (e.g., possible isomorphism types, orbit structure, and cardinal numbers associated with these groups). We will also explain some of the combinatorics that goes into working with these groups.

Friday, March 7th, 2008

2:40PM

MG 107

Refreshments: 2:15 pm in MG226