THE DEPARTMENT OF MATHEMATICS

$\mathfrak{F}_P(P) = \mathfrak{F}_P(G)$ $\quad P \varepsilon \mathrm{Syl}_p(G)$ $\quad N = N_G(Z(J(P)))$, $\mathfrak{F}_P(N) = \mathfrak{F}_P(G)$

Algebra Seminar

Monday - October 30, 2017

at 4pm, in the Alavi Commons, Everett Tower

Professor George Glauberman
The Department of Mathematics
University of Chicago

A NOTE ON GROUPS GENERATED BY INVOLUTIONS AND SHARPLY 2-TRANSITIVE GROUPS

Let G be a finite or infinite group generated by a set C of elements of order two. We discuss conditions on C that yield that G is solvable or has a normal subgroup of index two consisting of elements of finite odd order, and we give an application to sharply doubly transitive permutation groups. This is joint work with A. Mann and Y. Segev.

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