Research

ALGEBRA SEMINAR

On products of conjugacy classes in finite groups

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Time: 2:30 pm

Abstract. Let G be a non-abelian finite simple group. A famous result of Liebeck and Shalev is that there is an absolute constant c such that whenever S is a non-trivial normal subset in G then $S^k = G$ for any integer k at least $c \cdot (\log |G| / \log |S|)$. We will talk about a generalization of this theorem. It is joint work with László Pyber. We will also discuss some background conjectures and results together with a few developments.