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LA 70402. *The Structure of Finite Groups with conditions on fixed-point-free Automorphisms.*

An automorphism, α of a finite group, G , is said to be fixed-point-free (denoted by saying α is *f.p.f.*) provided for all $x \in G$, $\alpha(x) = x$ implies that $x = 1_G$.

Many papers have dealt with finite groups having fixed-point-free automorphisms. In a previous paper we showed that if α is a *f.p.f.* -automorphism of a finite group G and $\alpha \in \text{Fit}(\text{Aut}(G))$, then G must be abelian of a given particular structure.

This paper continues this investigation about the effects on a finite group and on its automorphism group when various conditions are applied to a fixed-point-free automorphism.

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