

Year: 2013

Vol.: 82

Fasc.: 3-4

Title: The influence of \mathfrak{F}_s -quasinormality of subgroups on the structure of finite groups

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Let \mathfrak{F} be a class of finite groups. A subgroup H of a finite group G is said to be \mathfrak{F}_s -quasinormal in G if there exists a normal subgroup T of G such that HT is s -permutable in G and $(H \cap T)H_G/H_G$ is contained in the \mathfrak{F} -hypercenter $Z_\infty^{\mathfrak{F}}(G/H_G)$ of G/H_G . In this paper, we investigate further the influence of \mathfrak{F}_s -quasinormality of some subgroups on the structure of finite groups. New characterization of some classes of finite groups are obtained.

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