Year: 2011 | **Vol.: 78** | **Fasc.: 1**

Title: On weakly SS-quasinormal minimal subgroups of finite groups

Author(s): Xianggui Zhong and Shirong Li

A subgroup H of a group G is said to be weakly SS-quasinormal if there exists a subgroup B of G such that HB is normal in G and for any prime p with $(p, |H|) = 1$, H permutes with every Sylow p-subgroup of B and $\mathrm{Syl}_p(B) \subseteq \mathrm{Syl}_p(G)$. In this article, we study the influence of weakly SS-quasinormal minimal subgroups of a finite group. Our results generalize the recent results obtained about the classification of a group by considering the SS-quasinormality of some subgroups.

Address:
Xianggui Zhong
Department of Mathematics
Guangxi Normal University
Guilin, Guangxi
541004
P.R.China

Address:
Shirong Li
Department of Mathematics
Guangxi University
Nanning, Guangxi
530004
P. R. China