عنوان مقاله:

ON FINITE GROUPS IN WHICH SS-SEMIPERMUTABILITY IS A TRANSITIVE RELATION

نویسندگان:

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خلاصه مقاله:

Let H be a subgroup of a finite group G. We say that H is SS-semipermutable in Gif H has a supplement K in G such that H permutes with every Sylow subgroup X of Kwith $(|X|, |H|) = 1$. In this paper, the Structure of SS-semipermutable subgroups, and finitegroups in which SS-semipermutability is a transitive relation are described. It is shown thata finite solvable group G is a PST-group if and only if whenever H K are two p-subgroupsof G, H is SS-semipermutable in $N_G(K)$.

کلمات کلیدی:

SS-semipermutable subgroups, S-semipermutable subgroups, PST-groups