

Title: On *p*-nilpotency of finite groups with some *c*-supplemented subgroups of prime power order

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A subgroup H of a group G is said to be c-supplemented in G if there exists a subgroup K of G such that G = HK and $H \cap K$ is contained in H_G , the core in G of H. In this paper we give some sufficient conditions of p-nilpotency of a finite group under the assumption that some subgroups of prime square order of the group are c-supplemented. These are the duals of some recent results, such as WANG's [14] and GUO and SHUM's [9].

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