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

Author(s): Yangming Li, Yanming Wang and Huaquan Wei

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].

Address:

Yangming Li
Department of Mathematics
Zhejiang University
Hangzhou, Zhejiang, 310027, China
and
Department of Mathematics
Guangdong Institute of Education
Guangzhou, 510310
China
E-mail: liyangming@gdei.edu.cn

Address:

Yanming Wang
Lingnan College and School of Mathematics
Zhongshan University
Guangzhou, 510275
China
E-mail: stswym@zsu.edu.cn

Address:

Huaquan Wei
Department of Mathematics
Guangxi Teacher's College
Nanning, 530001, China
and
Department of Mathematics
Zhongshan University
Guangzhou, 510275
China
E-mail: weihuaquan@163.com