

Year: 2018

Vol.: 92

Fasc.: 1-2

Title: The influence of maximal subgroups on Coleman automorphisms of finite groups

Author(s): Zhengxing Li and Hongwei Gao

Coleman automorphisms of finite groups G occur naturally in the study of the normalizer conjecture of integral group rings $\mathbb{Z}G$. The purpose of this article is to investigate the influence of maximal subgroups of G on Coleman automorphisms, and then present a partial answer to a question raised by Hertweck and Kimmerle which asks whether or not $\text{Out}_{\text{Col}}(G) = 1$ provided that G has a unique minimal normal subgroup.

Address:

Zhengxing Li
School of Mathematics and Statistics
Qingdao University
Qingdao 266071
P. R. China
and
Institute of Applied Mathematics of Shandong
Qingdao 266071
P. R. China

Address:

Hongwei Gao
School of Mathematics and Statistics
Qingdao University
Qingdao 266071
P. R. China
and
Institute of Applied Mathematics of Shandong
Qingdao 266071
P. R. China