

Class-preserving Coleman automorphisms of Frobenius groups

By ZHENGXING LI (Qingdao) and YUANLIN LI (St. Catharines)

Abstract. Let G be a Frobenius group. It is proved that every class-preserving Coleman automorphism of G is an inner automorphism. This generalizes a result due to Petit Lobão and Polcino Milies which states that the normalizer conjecture holds for G .

ZHENGXING LI
SCHOOL OF MATHEMATICS AND STATISTICS
QINGDAO UNIVERSITY
QINGDAO 266071
P. R. CHINA

YUANLIN LI
DEPARTMENT OF MATHEMATICS AND STATISTICS
BROCK UNIVERSITY
ST. CATHARINES
CANADA

Mathematics Subject Classification: 20D45; 16S34.

Key words and phrases: class-preserving automorphism, Coleman automorphism, the normalizer property.