



Units of the Group Algebra of the Group $C_n \times D_8$ Over Any Finite Field of Characteristic 2

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Abstract

This article is concerned with establishing the structure of the unit group of certain group algebras. In particular, we establish the structure of the unit group of the group algebra $\mathbb{F}_{2^k}(C_n \times D_8)$ for $n \geq 1$.

Keywords: Group ring; group algebra; dihedral group; cyclic group.