

**Title:** The group of automorphisms of a rational group algebra of a finite metacyclic group.

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**Abstract:** We develop a method to compute the group of automorphisms of the rational group algebra  $\mathbb{Q}G$  of a finite metacyclic group  $G$  and show how to apply the method to the case when  $G$  contains a normal subgroup of index  $pq$  for  $p$  and  $q$  prime integers, non necessarily different.