GROUP ALGEBRAS WITH CENTRALLY METABELIAN UNIT GROUPS

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Abstract

Given a field K of characteristic $p > 2$ and a finite group G, necessary and sufficient conditions for the unit group $U(KG)$ of the group algebra KG to be centrally metabelian are obtained. It is observed that $U(KG)$ is centrally metabelian if and only if KG is Lie centrally metabelian.