THE CONVERSE OF SCHUR'S LEMMA IN GROUP RINGS

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Abstract _____

In this paper, we study the structure of group rings by means of endomorphism rings of their modules. The main tools used here, are the subrings fixed by automorphisms and the converse of Schur's lemma. Some results are obtained on fixed subrings and on primary decomposition of group rings.

Key words. Modules, group ring, Schur's lemma.

²⁰⁰⁰ Mathematics Subject Classification. 16S50, 16S34.

This work has been partially supported by El Ministerio de Ciencia y Tecnología, proyecto BFM 2001–2335. Spain.