



The lower autocentral series of abelian groups

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Abstract

In the present paper we introduce the lower autocentral series of auto-commutator subgroups of a given group. Following our previous work on the subject in 2008, it is shown that every finite abelian group is isomorphic with n^{th} -term of the lower autcentral series of some finite abelian group. ¹

1. introduction

Let $A = \text{Aut}(G)$ denote the group of automorphisms of a given group G . For

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