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ON A PERIODIC PART OF A SHUNKOV GROUP SATURATED
WITH WREATHED GROUPS

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A group G is saturated with groups from a set of groups \mathfrak{X} if any finite subgroup K of G is contained in a subgroup of G isomorphic to some group from \mathfrak{X} . A group G is called a Shunkov group (a conjugately biprimatively finite group) if, for any finite subgroup H of G , any two conjugate elements of prime order in the quotient group $N_G(H)/H$ generate a finite group. Let G be a group. If all elements of finite orders from G are contained in a periodic subgroup of G , then it is called a periodic part of G and is denoted by $t(G)$. It is known that a Shunkov group may have no periodic part. The existence of a periodic part of a Shunkov group saturated with finite wreathed groups is proved and the structure of the periodic part is established.

Keywords: group saturated with a set of groups, Shunkov group.

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