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| Title: | Palindromic width of finitely generated solvable groups |
| Authors: | Gongopadhyay, Krishnendu (/jspui/browse?type=author&value=Gongopadhyay%2C+Krishnendu) |
| Keywords: | Metabelian groups Palindromic width Solvable groups Wreath products |
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| Publisher: | Taylor and Francis Inc. |
| Citation: | Communications in Algebra, 43 (11) pp. 4809-4824. |
| Abstract: | We investigate the palindromic width of finitely generated solvable groups. We prove that every finitely generated 3-step solvable group has finite palindromic width. More generally, we show the finiteness of the palindromic width for finitely generated abelian-by-nilpotent-by-nilpotent groups. For arbitrary solvable groups of step ≥ 3 , we prove that if G is a finitely generated solvable group that is an extension of an abelian group by a group satisfying the maximal condition for normal subgroups, then the palindromic width of G is finite. We also prove that the palindromic width of $\mathbb{Z} \wr \mathbb{Z}$ with respect to the set of standard generators is 3 |
| Description: | Only IISERM authors are available in the record. |
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