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Abstracts of Short Communications and Posters

Section:

2. Algebra

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Tavgeń, Oleg, Mateiko, Oleg, Belorussian State University, Belarus
The free product of cyclic groups in the group $\mathrm{PSL}_2(\mathbb{C})$.
To classify linear representations of the group $\mathrm{GL}_2(\mathbb{Z})$, the authors studied in [1] representations of the free product of two cyclic groups in the group $\mathrm{PSL}_2(\mathbb{C})$. In this report we consider families of faithful representations of the free product of n ($n \geq 2$) cyclic groups in the group $\mathrm{PSL}_2(\mathbb{C})$. The results are applied in the theory of one-relator products of cyclics. In particular, we generalize the result of Ree and Mendelsohn about free subgroups of a two generator one-relator group for the case of a n-generator ($n \geq 2$) one-relator group.
Reference: O. M. Mateiko and O. I. Tavgeń, Linear representations of the automorphism groups of the free groups, Topics in algebra, Gomel, **11**(1997), 48–59.