

Endomorphisms of the direct product of two free groups

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In this talk, we will describe the endomorphisms of the direct product of two free groups of finite rank and show some results obtained by using this description. The structure of the group of automorphisms for groups in this class will be discussed and finiteness conditions on the fixed and periodic points subgroups will be given. Finally, we will briefly present some results on the dynamics of a continuous extension of an endomorphism to the completion of the group when a suitable metric is considered. This talk is based on [1].

References

- [1] CARVALHO, ANDRÉ, *On endomorphisms of the direct product of two free groups*, arXiv:2012.03635 (2020).