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Splittings of mapping tori of free group automorphisms. (English) Zbl 1044.20010
Geom. Dedicata 93, 191-203 (2002).

Summary: We present necessary and sufficient conditions for the existence of a splitting over \mathbb{Z} of the mapping torus $M_\phi = F \rtimes_\phi \mathbb{Z}$ of a free group automorphism ϕ .

MSC:

- [20E05](#) Free nonabelian groups
- [20E36](#) Automorphisms of infinite groups
- [20E06](#) Free products of groups, free products with amalgamation, Higman-Neumann-Neumann extensions, and generalizations
- [20E08](#) Groups acting on trees
- [20F67](#) Hyperbolic groups and nonpositively curved groups
- [37E30](#) Dynamical systems involving homeomorphisms and diffeomorphisms of planes and surfaces

Cited in **6** Documents

Keywords:

free-by-cyclic groups; free group automorphisms; splittings over \mathbb{Z}

Full Text: [DOI](#) [arXiv](#)