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Title:	Applications of weak attraction theory in $\text{Out}(\mathbb{F}_N)$
Authors:	Ghosh, P. (/jspui/browse?type=author&value=Ghosh%2C+P.)
Keywords:	Free groups Outer automorphisms Train track
Issue Date:	2016
Publisher:	Springer Netherlands
Citation:	Geometriae Dedicata, 181(1)
Abstract:	Given a finite rank free group \mathbb{F}_N of rank ≥ 3 and two exponentially growing outer automorphisms ψ and ϕ with dual lamination pairs $\Lambda_\pm\psi$ and $\Lambda_\pm\phi$ associated to them, which satisfy a notion of independence described in this paper, we will use the pingpong techniques developed by Handel and Mosher (Subgroup decomposition in $\text{Out}(\mathbb{F}_n)$, part III: weak attraction theory, 2013) to show that there exists an integer $M > 0$, such that for every $m, n \geq M$, the group $G = \langle \psi^m, \phi^n \rangle$ will be a free group of rank two and every element of this free group which is not conjugate to a power of the generators will be fully irreducible and hyperbolic.
URI:	https://link.springer.com/article/10.1007/s10711-015-0109-1#Abs1 (https://link.springer.com/article/10.1007/s10711-015-0109-1#Abs1) http://hdl.handle.net/123456789/2430 (http://hdl.handle.net/123456789/2430)
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