

Mapping class groups of Toeplitz subshifts

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Given a subshift (X, σ) , the mapping class group $\mathcal{M}(\sigma)$ is the group of self-flow equivalences from X to itself, up to isotopy. Under mild conditions, the automorphism group $\text{Aut}(X)$, modulo the subgroup generated by σ , embeds into $\mathcal{M}(\sigma)$. The mapping class group of shifts of finite type is quite complicated, while the mapping class group of minimal shifts of linear complexity is much more constrained. Toeplitz subshifts can have arbitrarily high entropy, but have a lot of structure due to its pseudo-periodic scale. We discuss various results on the mapping class group of Toeplitz subshifts.

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