1145-37-2062   **Kitty Yang***, kyang@math.northwestern.edu, and **Scott Schmieding**. *The mapping class group of a minimal subshift (Part I).*

Let (X, σ) be a minimal subshift and $\text{Aut}(X)$ denote its automorphism group. The suspension of (X, σ) is defined to the be quotient $\Sigma_\sigma X := X \times [0,1]/\sim$, where $(x,t) \sim (\sigma^n x, t-n)$. The mapping class group of (X, σ), denoted by $\mathcal{M}(\sigma)$, is the group of isotopy classes of self-flow equivalences. We show there is an injection $\Psi : \text{Aut}(\sigma)/\langle\sigma\rangle \to \mathcal{M}(\sigma)$, and give an example of a minimal subshift whose mapping class group is strictly larger than $\text{Aut}(\sigma)\langle\sigma\rangle$. We classify the mapping class group for sturmians. (Received September 24, 2018)