

## The mapping class group and automorphism group of a shift of finite type

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The automorphism group of a shift of finite type  $S$ ,  $\text{Aut}(S)$ , is the countable group of homeomorphisms commuting with  $S$ . The mapping class group of  $S$ ,  $\text{MCG}(S)$ , is the countable group of orientation-preserving homeomorphisms, up to isotopy, of the mapping torus of  $S$ . I'll discuss and contrast the structure of  $\text{Aut}(S)$  and  $\text{MCG}(S)$ ; the tools available for their study; rigidity results; constraints on rigidity results; and open problems.

Parts of this are joint with Sompong Chuysurichay; with Doug Lind; and with Toke Carlsen and Soren Eilers.

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