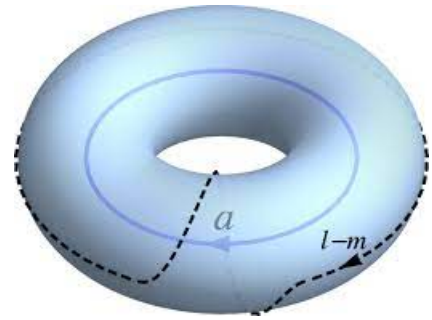


**Oberseminar Geometrie**  
Department of Mathematics  
University of Fribourg  
Physics 2.52  
**Wednesday March 9, 2022, 10:20**



SEBASTIAN BAADER (UNIBE)

## Groups generated by Dehn twists

Dehn twists are surface diffeomorphisms with support in an embedded annulus.

By choosing finitely many annuli in a surface, we obtain various isomorphism types of groups, generated by the corresponding Dehn twists. As we will see, every positive braid gives rise to a natural arrangement of annuli. The corresponding group types are called monodromy groups, and turn out to be virtually always the same. I will explain this recent result, in collaboration with Livio Ferretti, Lukas Lewark, and Filip Misev.