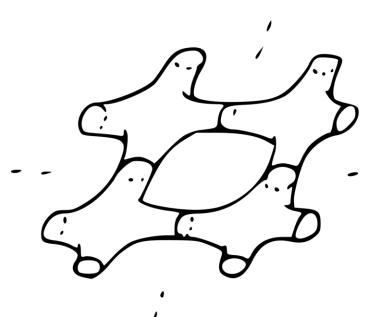


are a dense generating set of PMod(S)

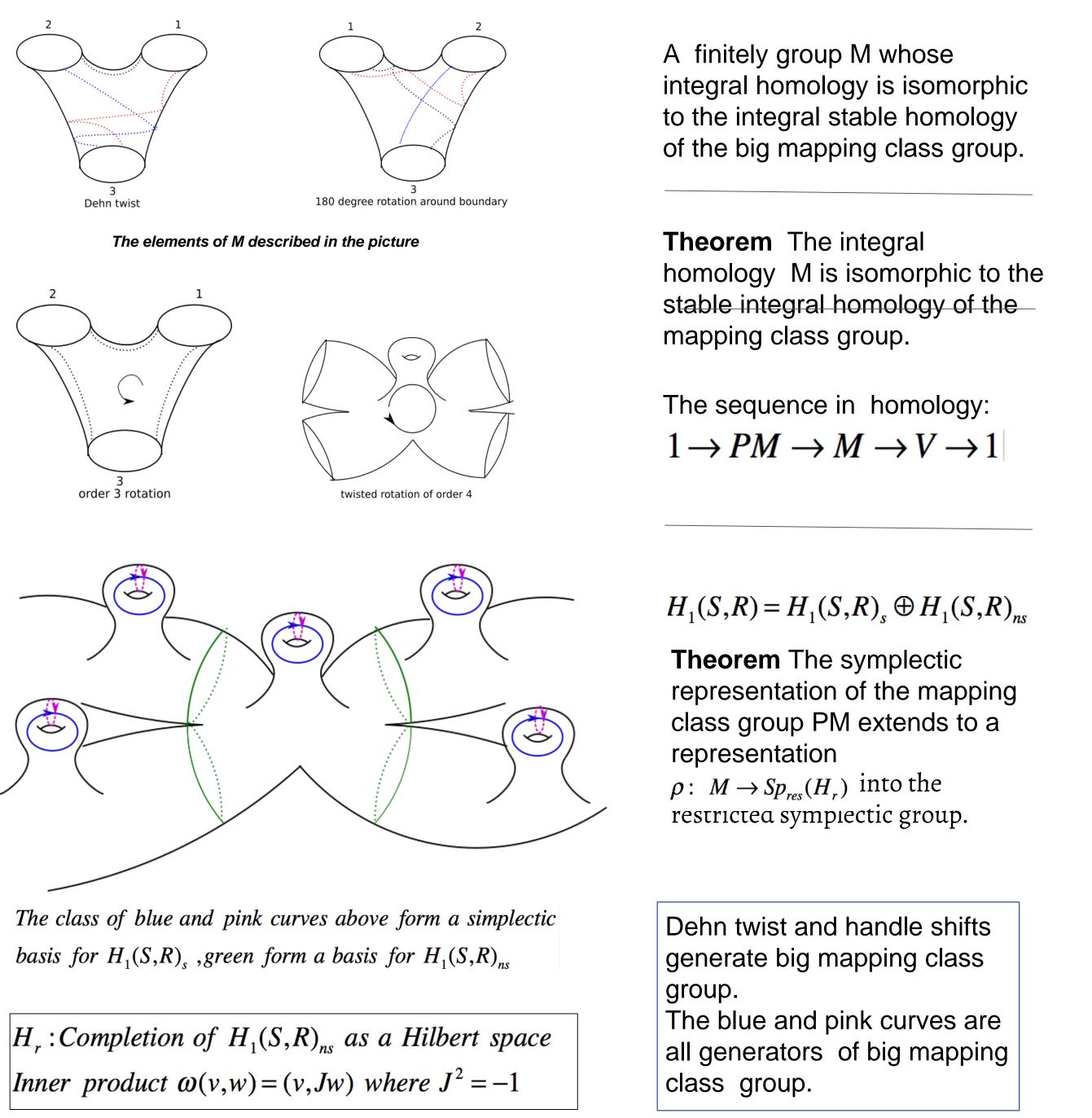
Mapping Class Groups of Infinite-Type Surfaces

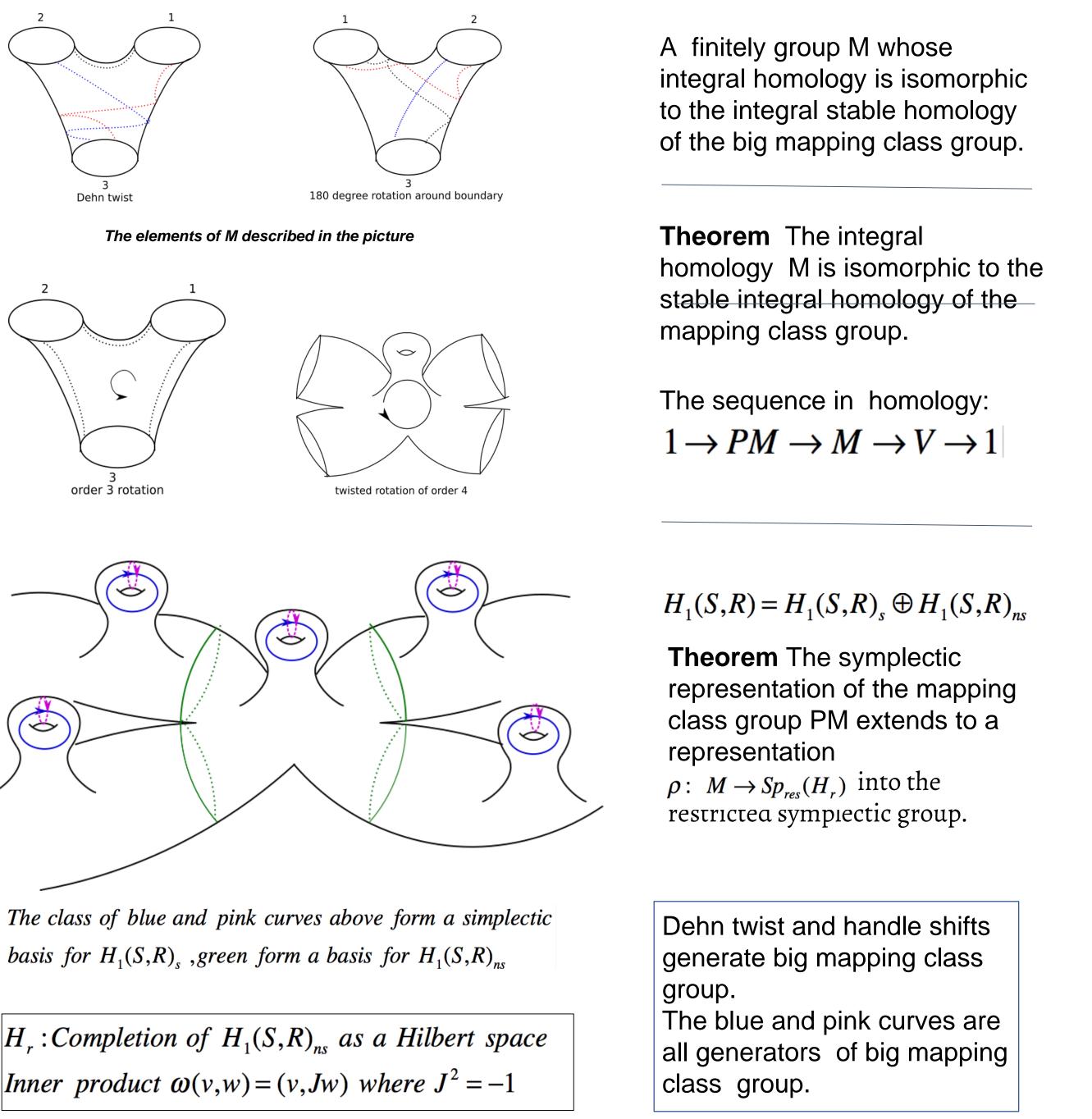
C. Santana Afton, Sam Freedman, Liping Yin The College of William & Mary, University of Michigan, Georgia State University



Homology and Symplectic Structure

surface come from a mapping class?





- set for Mod(S)?
- group arise from Dehn twists and handle shifts?

We would like to thank the Georgia Tech REU, and our advisors Dan Margalit and Justin Lanier. We would also like to thank Nick Vlamis for his support.





Question: Does every automorphism of the homology group of an infinite-type

Questions

• Is the group generated by all handle shifts an "on the nose" generating

• Do all automorphisms of the first homology class of the mapping class

Acknowledgements