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Marissa Kawehi Loving* (mloving6@gatech.edu). *Symmetries of Surfaces*.

There are many ways to study surfaces: geometrically, number theoretically, algebraically, and combinatorially, just to name a few. We will touch on some of the motivation for studying surfaces and their associated mapping class groups, which is the collection of symmetries of a surface. We will also describe a few of the ways that these different perspectives for studying surfaces appear in practice and how they often overlap in beautiful ways. (Received January 12, 2020)