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Conjugacy Classes of Finite Subgroups of Certain Mapping Class Groups

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Abstract: We give a complete description of conjugacy classes of finite subgroups of the mapping class group of the sphere with r marked points. As a corollary we obtain a description of conjugacy classes of maximal finite subgroups of the hyperelliptic mapping class group. In particular, we prove that, for a fixed genus g, there are at most five such classes.

Key Words: Hyperelliptic mapping class group, finite subgroups of mapping class group

Keywords
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