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## mapping class group

Canonical name MappingClassGroup Date of creation 2013-03-22 14:52:51 Last modified on 2013-03-22 14:52:51

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Numerical id 5

Author rspuzio (6075) Entry type Definition Classification msc 57R50 Since the set of diffeomorphisms of a manifold which are http://planetmath.org/Diffeotopyd to the identity is a normal subgroup of the group of all diffeomorphisms, we can form the quotient of the diffeomorphism group by this subgroup. This quotient is known as the *mapping class group*.