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**Eric Bucher\*** (ebuche2@math.msu.edu) and **Milen Yakimov**. *Recovering the topology of surfaces from cluster algebras.*

We present an effective method for recovering the topology of a bordered oriented surface with marked points from its cluster algebra. The information is extracted from the maximal triangulations of the surface; giving rise to a connection between cluster automorphisms and the mapping class group of the surface. The method gives new proofs of the automorphism and isomorphism problems for the surface cluster algebras as well as the uniqueness of the Fomin–Shapiro–Thurston block decompositions of the exchange quivers of the surface cluster algebras. (Received March 20, 2017)