

ON THE ARITHMETICITY OF THE MAPPING CLASS GROUP

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I will report on a new result in combinatorial algebraic geometry regarding the profinite arithmetic version of the mapping class group. This new result bears resemblance to the classical Dehn-Nielsen-Baer theorem on the (topological) discrete mapping class group. This is a joint work with Shinichi Mochizuki and Shota Tsujimura from RIMS (Kyoto).