

1145-57-2427 **Adam S Sikora*** (asikora@buffalo.edu), 244 Math Bldg, North Campus, University at Buffalo, SUNY, Buffalo, NY 14260. *Skein Algebras and Teichmuller Theory*. Preliminary report.

We explore the properties of skein algebras of surfaces using the theory of pseudo-Anosov diffeomorphisms and of measured foliations. In particular, we prove that every sufficiently generic measured foliation of a surface F realizes the skein algebra of F as a deformation of a polynomial algebra. That provides a novel proof of skein algebras being Ore domains. (Received September 25, 2018)