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Vlad Matei* (vmatei@uci.edu). *The average size of the automorphism group of a smooth projective hypersurface in the large degree limit.*

We will show that the average size of the automorphism group defined over \mathbb{F}_q of a smooth projective degree d hypersurface in $\mathbb{P}_{\mathbb{F}_q}^n$ is 1 in the large degree limit. We will also discuss some consequences for the cohomology of the moduli spaces of smooth projective hypersurfaces. (Received September 17, 2019)