1093-20-49 Joseph Maher* (joseph.maher@csi.cuny.edu), Vaibhav Gadre and Giulio Tiozzo. Statistics for Teichmuller geodesics.

We describe two ways of picking a geodesic "at random" in a space, one coming from the standard Lebesgue measure on the visual sphere, and the other coming from random walks. The spaces we're interested in are hyperbolic space and Teichmuller space, together with some discrete group action on the space. We investigate the growth rate of word length as you move along the geodesic, and we show these growth rates are different depending on how you choose the geodesic. (Received July 15, 2013)