Meeting: 1001, Evanston, Illinois, SS 21A, Special Session on Low-Dimensional Topology and Kleinian Groups

1001-00-432 Martin Bridgeman* (bridgem@bc.edu), Boston College, and David Dumas, Harvard University. Distribution of length segments for a random geodesic.

We investigate the distribution of length segments for the intersection of a random geodesic with a geodesic lamination. We give an explicit formula for the distribution for the case of a maximal lamination and show that the distribution is independent of the surface and lamination. (Received September 07, 2004)