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)