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Andrew Haas* (haas@math.uconn.edu), Department of Mathematics, University of Connecticut, Storrs, CT 06269. *Geodesic excursions into a neighborhood on a hyperbolic 2-orbifold.*

We study the asymptotic average rate at which a generic geodesic on a hyperbolic 2-orbifold returns to a neighborhood on the surface, as well as the average amount of time it spends there during each visit. This includes the case where the center of the neighborhood is a cone point or a puncture. (Received January 21, 2008)