

1077-20-1272

**Jason Behrstock\*** ([jason.behrstock@lehman.cuny.edu](mailto:jason.behrstock@lehman.cuny.edu)) and **Cornelia Drutu**. *Divergence, thick groups, and morse geodesics.*

In a metric space the divergence of a pair of rays is a way to measure how quickly they separate from each other. Understanding what divergence rates are possible in the presence of non-positive curvature was raised as a question by Gromov and then refined by Gersten. We will describe a construction of groups with several interesting properties, including shedding light on the above question. (Received September 18, 2011)