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Jason Behrstock* (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 November 26, 2011)