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Bryce A. Weaver* (weavbryc@indiana.edu), Rawles Hall, 831 East 3rd St, Bloomington, IN 47404. *Counting geodesics connecting two base points through 'sectors'*. Preliminary report.

For surfaces whose geodesic flows have certain properties, including a Margulis measure, we show that there are two families of measures on the unit spheres. These measures give precise multiplicative asymptotic growth rates for geodesics connecting their base points through 'sectors'. (Received February 18, 2013)