

Uniqueness of the measure of maximal entropy for geodesic flows on certain manifolds without conjugate points

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We prove that for closed surfaces M with Riemannian metrics without conjugate points and genus than 2 the geodesic flow on the unit tangent bundle has a unique measure of maximal entropy. Furthermore, this measure is fully supported and the flow is mixing with respect to this measure. We formulate conditions under which this result extends to higher dimensions.