

1046-51-1311 **J. Brock*** (jeff.brock@gmail.com), Department of Mathematics, Box 1917, Providence, RI 02912, and **H. Masur** and **Y. Minsky**. *Asymptotics of Weil-Petersson geodesics*.

I will describe joint work with H. Masur and Y. Minsky analyzing the asymptotics of Weil-Petersson geodesic rays in Teichmüller space via their associated *ending laminations*, which record combinatorial limits of the set of bounded length curves along the ray. Such laminations serve as complete invariants for the asymptote classes of recurrent rays, and give a characterization of *bounded geometry* for a ray. Dynamical consequences for the Weil-Petersson geodesic flow include its topological transitivity, density of the set of closed orbits, and the unboundedness of topological entropy on compact invariant subsets. (Received September 15, 2008)