1062-32-48 **Howard Masur*** (masur@math.uchicago.edu), 5738 S. University, Chicago, IL 60637, and **Keith Burns** and **Amie Wilkinson**. *Ergodicity of Weil-Petersson flow on Moduli space.*

Let S be a surface of genus g with n punctures. We require $3g-3+n>0$. Let $T(S)$ denote the Teichmuller space of S. We put the Weil-Petersson metric on $T(S)$. It descends to a metric on the quotient moduli space. We review some of the main properties of this metric and discuss the following result.

Theorem: The Weil-Petersson geodesic flow on the quotient moduli space is ergodic. (Received July 19, 2010)