

1064-37-248

Alex Eskin* (eskin@math.uchicago.edu), Department of Mathematics, University of Chicago, 5734 S. University Ave, Chicago, IL 60637. *Invariant and stationary measures for the $SL(2, \mathbb{R})$ action on moduli space.*

We discuss some results on the classification of invariant measures for the $SL(2, \mathbb{R})$ action. We also give a classification of the stationary measures in genus 2. This is joint work with Maryam Mirzakhani. (Received September 14, 2010)