

The $SL(2, \mathbb{R})$ action on moduli space

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We use an entropy based method to show that measures invariant under the upper triangular subgroup of $SL(2, \mathbb{R})$ are in fact invariant under all of $SL(2, \mathbb{R})$. I will try to explain the main ideas of the proof. This is joint work with Maryam Mirzakhani.