A THIN FUNDAMENTAL SET FOR $\mathbf{SL}(2, \mathbb{Z})$

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ABSTRACT. I will describe a fundamental set for $\mathbf{SL}(2, \mathbb{R})/\mathbf{SL}(2, \mathbb{Z})$ that is not invariant with respect to the maximal compact group. It only involves an arbitrarily small slice of the maximal compact group.