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**Jaydev Athreya\*** (jathreya@gmail.com). *A lattice point problem in Teichmuller Space.*

Abstract: In joint work with Bufetov, Eskin, and Mirzakhani, we calculate asymptotics for the growth of  $|\Gamma_g y \cup B(x, R)|$  as  $R \rightarrow \infty$ , where  $\Gamma_g$  denotes the mapping class group of genus  $g$ ,  $x, y \in T_g$ , the Teichmuller space of genus  $g$ , and  $B(x, R)$  denotes the ball of radius  $R$  in the Teichmuller metric.

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