MCG Log Law 1/24/25
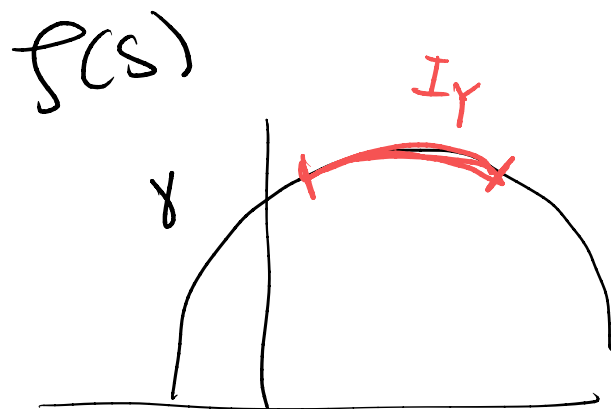
BGIT for Teichmüller

Kasra Rafi paper hyperbolicity

Thm 5.3 ④ Need to recall how $\delta(Y) \subseteq \Gamma(S)$

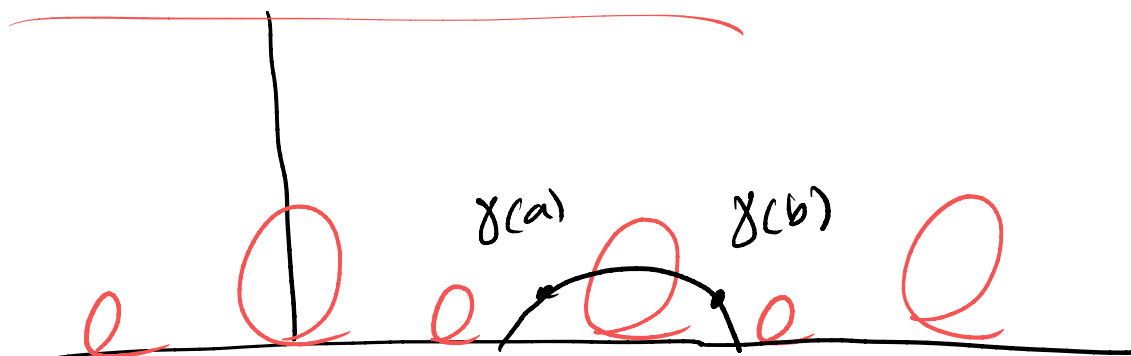$\Gamma(S)$

γ I_Y

$Y \subseteq S$

I_Y ∂Y is short

$\pi_{\delta(Y)} \gamma \cap I_Y \sim$ geod in $\mathcal{J}(Y)$

Rafi says: $\pi_{\delta(Y)} \gamma \setminus I_Y$ is bounded in $\mathcal{J}(Y)$.

Cor 5.9

$\gamma(a)$ $\gamma(b)$

either $\mathcal{I}_\gamma \subseteq$ horoball or disjoint from it

geodesic in $\gamma(Y)$ bounded in $\gamma(Y)$

Send github repo link