

Story so far:

Γ : Finitely generated discrete torsion free subgroup of $PSL(2, \mathbb{C})$

Λ : $\subset \mathbb{C}P^1$ limit set

Ω : $\mathbb{C}P^1 \setminus \Lambda$ regular set

$(\mathbb{H}^3 \cup \Omega) / \Gamma = \bar{M}$ 3-manifold w/ bndry.

Assume $\partial \bar{M} \hookrightarrow \bar{M}$ is π_1 -injective

⋮
⋮
⋮

At the end, a proof of the Thurston part of geometrization.