

This note, that [was found here](#), as a part of [a collection](#) is written (completely with human hands) by [Rupadarshi Ray](#), was created on August 28, 2026 2:31:14 AM, was last modified on September 1, 2026 11:43:39 PM, and was exported on September 7, 2026 3:09:47 PM.

Objects stemming from $PSL(2)(\mathbb{C})$

Current note has 2 direct children and 11 total descendants.

- [squishy](#)
 - SL
 - $SL(2)(\mathbb{C})$
 - $PSL(2)(\mathbb{C})$
- [stem](#)
 - [Objects stemming from \$PSL\(2\)\(\mathbb{C}\)\$](#)
 - [Kleinian groups \$\Gamma <_{\mathfrak{d}} PSL\(2\)\(\mathbb{C}\) \leftrightarrow\$ Hyperbolic 3-manifolds/orbifolds \$\Gamma \backslash \mathbb{R}H^3\$](#)
 - [Finitely generated, free Kleinian groups](#)
 - [2-generated Kleinian groups](#)
 - [Finitely generated Kleinian groups \$\leftrightarrow\$ topologically tame oriented hyperbolic 3-manifolds/finite degree orbifold covers of](#)
 - [Finiteness of finitely generated Kleinian groups](#)
 - [Building hyperbolic 3-manifolds by gluing polyhedra](#)
 - [Kleinian group with \$\Lambda\(\Gamma\) \neq \partial \mathbb{R}H^3\$](#)
 - [Thick-thin decomposition of hyperbolic 3-manifolds](#)
 - [Kleinian ultra-Schottky groups \$\leftrightarrow\$ convex cocompact hyperbolic interior of 3-handlebodies](#)
 - [Space of Schottky groups](#)
 - $\text{Rep}(F_2, PSL(2)(\mathbb{C}))$

And it has 13 siblings.

- [stem](#)
 - $GL(n)$
 - $GL(n)(\mathbb{C})$
 - $GL(n)(\mathbb{R})$
 - [Knots](#)
 - [Objects stemming from spaces over \$\mathbb{Q}\$](#)
 - [Objects stemming from \$\mathbb{R}\$ -spaces of dimension 2](#)
 - [Objects stemming from \$\mathbb{R}\$ -spaces of dimension 3](#)
 - [Objects stemming from \$\mathbb{R}\$ -spaces of dimension 4](#)
 - [subobjects of and functions on \$\mathbb{R}^n, S^n, \mathbb{C}^n\$ and its quotients \$\Gamma \backslash \mathbb{R}^n, \Gamma \backslash \mathbb{C}^n\$](#)
 - [Convex sets in \$\mathbb{R}^n, \mathbb{R}H^n\$ or \$S^n\$](#)
 - [Objects stemming from \$\mathbb{R}\$ -semi-simple/reductive Lie groups](#)
 - [Objects stemming from \$PSL\(2\)\(\mathbb{C}\)\$](#)
 - [Objects stemming from \$PSL\(2\)\(\mathbb{R}\)\$](#)