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$$SL(2)(\mathbb{Z}) \curvearrowright SL(2)(\mathbb{R}) \twoheadrightarrow SL(2)(\mathbb{R}) / SL(2)(\mathbb{Z})$$

#wiki/Man/R/3

#Wiki/group-action/discrete

- moduli of unimodular lattices
- moduli of flat tori of area 1
- homeomorphic to a knot complement <https://math.stackexchange.com/a/3115852>
- has a  $SL(2)(\mathbb{R})$ -invariant probability measure
- $SL(2)(\mathbb{R}) / SL(2)(\mathbb{Z}) \cong ? PSL(2)(\mathbb{R}) / PSL(2)(\mathbb{Z})$

Current note has 0 direct children and 0 total descendants.

- [squishy](#)
  - $SL$ 
    - $SL(2)(\mathbb{R})$
    - $SL(2)(\mathbb{R}) / SL(2)(\mathbb{Z})$

And it has 15 siblings.

- [squishy](#)
  - $SL$ 
    - $\underline{SL}(2)$ .
    - $SL(2)(\mathbb{C})$
    - $PSL(n, \mathbb{C})$
    - $SL(2)(\mathbb{R})$
    - $SL(2)(\mathbb{R}) / SL(2)(\mathbb{Z})$
    - $H_q$
    - $PSL(2)(\mathbb{Z})[2]$
    - $[PSL(2)(\mathbb{Z})[2], PSL(2)(\mathbb{Z})[2\$]]$
    - $PSL(2)(\mathbb{Z})[N]$
    - $SL(3, \mathbb{R})$
    - $SL(2)(\mathbb{Z})$
    - $PSL(2)(\mathbb{Z})$
    - [Congruent subgroups of  \$PSL\(2\)\(\mathbb{Z}\)\$](#)
    - $SL(n, \mathbb{Z})$
    - $SL(2)(\mathbb{Z}_2)$