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squishy

The direct children are as follows.

- [squishy](#).
 - $SL(2)(\mathbb{R}) \curvearrowright \mathbb{R}^2$
 - $SL(2)(\mathbb{R}) \curvearrowright H^2_{\mathbb{U}}$
 - $\text{Mat}_{\mathbb{C}}(2)$
 - $A_{r,-\langle z \mapsto \lambda z \rangle} \backslash \mathbb{R}H^2_{\mathbb{U}}$
 - $\mathbb{C} \setminus \{0\}, -\langle z \mapsto z+1 \rangle \backslash \mathbb{R}H^2_{\mathbb{U}}$
 - $\mathbb{C} \setminus \{0,1\}, -PSL(2)(\mathbb{Z})[2] \backslash \mathbb{R}H^2_{\mathbb{U}}$
 - $\mathbb{R} \ltimes_{\theta} \mathbb{C}^2$
 - $\mathbf{CI}(\mathbb{R}^n, \langle \cdot, \cdot \rangle_{0,n})$
 - $\mathbb{C}^n$
 - $U(\mathbb{C} \setminus \{0\})$
 - $PSL(2)(\mathbb{C}) \curvearrowright \mathbb{C}P^1 \cong_{\text{Man}} S^2$
 - $\mathbb{C}P^n$
 - [Farey_graph_complex and tree](#)
 - GL
 - [Heisenberg.group](#)
 - [Incomplete hyperbolic polygon mod side-pairing](#)
 - $\mathbb{R}H^2, \mathbb{R}H^2_{\mathbb{U}}, D^2$
 - $\mathbb{R}H^n$
 - [D_n_lattice](#)
 - [Matrices](#)
 - $\text{Mat}_{\mathbb{R}}(2)$
 - [Mobius endomorphisms](#)
 - [Elementary_group with finite and infinite sided Dirichlet polyhedra](#)
 - [Polynomials](#)
 - $T^*S^1 \not\cong_{\text{Sym}} (\mathbb{R}^2 \setminus \{0\}, dx \wedge dy)$
 - $Z\left(\sum_{1 \leq j \leq n} z_j^2 - 1\right)(\mathbb{C}) \cong_{\text{Sym}} T^*S^{n-1}$
 - SL
 - SO
 - [Seifert–Weber dodecahedral 3-manifold](#)
 - $U(n, \mathbb{C})$

Current note has 30 direct children and 149 total descendants.

- [squishy](#).
 - $SL(2)(\mathbb{R}) \curvearrowright \mathbb{R}^2$
 - $SL(2)(\mathbb{R}) \curvearrowright H^2_{\mathbb{U}}$
 - $SL(2)(\mathbb{R}) \curvearrowright H^2_{\mathbb{U}}$ [is proper](#)
 - $\text{Mat}_{\mathbb{C}}(2)$
 - [Exponential on Mat_C\(2\)](#)
 - $A_{r,-\langle z \mapsto \lambda z \rangle} \backslash \mathbb{R}H^2_{\mathbb{U}}$
 - $\mathbb{C} \setminus \{0\}, -\langle z \mapsto z+1 \rangle \backslash \mathbb{R}H^2_{\mathbb{U}}$
 - $\mathbb{C} \setminus \{0,1\}, -PSL(2)(\mathbb{Z})[2] \backslash \mathbb{R}H^2_{\mathbb{U}}$
 - [Cohomology of holomorphic forms on C \ {0,1}](#)
 - $\mathbb{R} \ltimes_{\theta} \mathbb{C}^2$
 - $\mathbf{CI}(\mathbb{R}^n, \langle \cdot, \cdot \rangle_{0,n})$
 - $\mathbb{C}^n$
 - $GL(n, \mathbb{C}) \curvearrowright \mathbb{C}^n$
 - $S_n \curvearrowright \mathbb{C}^n \rightarrow \mathbb{C}^n$
 - [Unit ball D^n](#) $\subset \mathbb{C}^n$
 - $U(\mathbb{C} \setminus \{0\})$
 - $PSL(2)(\mathbb{C}) \curvearrowright \mathbb{C}P^1 \cong_{\text{Man}} S^2$
 - $\mathbb{C}P^n$
 - [Farey_graph_complex and tree](#)
 - GL
 - $\mathbb{C}_n$
 - $GL(n, \mathbb{C})$ [is path-connected](#)
 - [surjectivity of exponential map onto GL\(n, C\)](#)
 - $GL(2)(\mathbb{R}) / GL(2)(\mathbb{Z})$
 - [Heisenberg.group](#)
 - $H(3, \mathbb{C})$
 - $H(3, \mathbb{R}) = N(3, \mathbb{R})$
 - $H(3, \mathbb{R}) / \mathbb{Z}$
 - [Incomplete hyperbolic polygon mod side-pairing](#)

- $\mathbb{R}H^2, \mathbb{R}H^2_0, D^2$
 - [Polygons in hyperbolic plane](#)
 - [Triangles in hyperbolic plane](#)
 - [Hexagons in hyperbolic plane](#)
 - [Side pairings](#)
- $\mathbb{R}H^n$
 - [Hyperbolic ball model](#)
 - [Conic neighborhood](#)
 - [Hyperboloid model of \$\mathbb{R}H^n\$](#)
 - [Hyperboloid model to ball model of \$\mathbb{R}H^n\$](#)
 - [Types of isometries of \$\mathbb{R}\$ -hyperbolic space](#)
- [D_n lattice](#)
- [Matrices](#)
 - $\begin{bmatrix} 2 & \\ & \frac{1}{2} \end{bmatrix}$
 - $\begin{bmatrix} 1 & 1 \\ 1 & 0 \end{bmatrix}$
 - $\begin{bmatrix} 1 & 1 \\ 0 & 1 \end{bmatrix}$
 - $\begin{bmatrix} 2 & 1 \\ 1 & 1 \end{bmatrix}$
- $\text{Mat}_{\mathbb{R}}(2)$
 - [Characteristic polynomials of \$\text{Mat}_{\mathbb{R}}\(2\)\$](#)
 - [Mat_ℝ\(2\) up to GL_ℂ\(2\) conjugation](#)
 - [Mat_ℝ\(2\) up to GL_ℝ\(2\) conjugation](#)
- [Mobius endomorphisms](#)
- $\mathbb{N}$
 - $N(n, \mathbb{R})$
- $\mathbb{Q}$
 - $O(n, 1)(\mathbb{R})$
 - $O^+(1, n)(\mathbb{R})$
- [Elementary group with finite and infinite sided Dirichlet polyhedra](#)
- Pd
 - $\text{Pd}(2, \mathbb{R})$
 - $\text{Pd}(n, \mathbb{R})$
 - $GL(n, \mathbb{R}) \curvearrowright \text{Pd}(n, \mathbb{R})$
 - [Horospherical decomposition of \$\text{Pd}\(n, \mathbb{R}\)\$](#)
 - $\text{SPd}(2, \mathbb{R})$
- [Polynomials](#)
 - $X^n + Y^n = Z^n$
 - $8X^3 + 4X^2 - 4X - 1$
 - $x^2 + y^2 - 3$
 - [Folium of Descartes](#)
$$X^3 + Y^3 - 3aXY$$
 - $X^3 + Y^3 - a$
 - $3X^3 + 10X^2 + 3 - Y^2$
 - $3X^8 + 10X^4 + 3 - Y^2$
 - $XYZ - 1$
 - [Pythagorean triples](#)
 - [Bolza curve](#)
 - [Hyperelliptic integrals and holomorphic forms on \$S\(Y^2 - X^5 + X\)\$](#)
 - [Irreducible polynomials in \$\mathbb{C}\[x, y\]\$](#)
 - [Polynomial maps \$\mathbb{C}^n \rightarrow \mathbb{C}^n\$ of degree at most \$d\$](#)
 - [Chebyshev polynomials of the first kind](#)
 - [Logistic map](#)
 - [Dynamics of the map \$z^2 + c\$](#)
 - $\begin{pmatrix} x \\ y \\ y \end{pmatrix} \mapsto \begin{pmatrix} (1+xy)^3z + y^2(1+xy)(4+3xy) \\ y + 3x(1+xy)^2z + 3xy^2(4+3xy) \\ 2x - 3x^2y - x^3z \end{pmatrix}$
 - $(w^2 - 1)^2$
- [pow](#)
 - [Angle function](#)
 - [Bessel functions](#)
$$\cos \sqrt{z}$$
 - [The complex logarithm](#)
 - $\sum_{n \geq 0} z^{n!}$
 - $z^3 - 3z$
$$\frac{r_0}{1 + \epsilon \cos b\theta}$$
 - $\cos \left(\pi \frac{p}{q} \right)$
 - $\frac{\cos x^k}{x}$
 - [Elliptic integrals and Jacobi elliptic functions](#)
 - [The complex exponential exp\(z\)](#)
 - $\exp \left(\frac{z+1}{z-1} \right)$
 - e^{-x^2}
 - [Only sum terms that are multiples of N in $\mathbb{C}[[z]]$](<https://rupadarshiray.github.io/notes/YchnxQ9SF1RsuKjBntMv8a.>
)]
 - $\int \frac{1}{x^2+bx+c}$
 - $\frac{\exp(z)}{1-z}$

- [illegible]

And it has 0 siblings.