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## Cohomology of holomorphic forms on $\mathbb{C} \setminus \{0, 1\}$

**Proposition:**

$$H^1(\Omega^\bullet_{\mathcal{O}}, d) := \frac{\ker d}{d\Omega^1_{\mathcal{O}}} = \mathbb{C} \left\langle \left[ \frac{dz}{z} \right], \left[ \frac{dz}{z-1} \right] \right\rangle$$

Current note has 0 direct children and 0 total descendants.

- [squishy](#)
  - $\mathbb{C} \setminus \{0, 1\}, -PSL(2)(\mathbb{Z})[2] \backslash \mathbb{R}H^2_0$ 
    - [Cohomology of holomorphic forms on  \$\mathbb{C} \setminus \{0, 1\}\$](#)

And it has 1 siblings.

- [squishy](#)
  - $\mathbb{C} \setminus \{0, 1\}, -PSL(2)(\mathbb{Z})[2] \backslash \mathbb{R}H^2_0$ 
    - [Cohomology of holomorphic forms on  \$\mathbb{C} \setminus \{0, 1\}\$](#)