Why can't I make the title look nice

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Abstract

Future me will put some abstract here

1 Introduction

2 Calculus 1 is really useful and here is why

3 The plot thickens

Jorgenson first discovered the following interesting phenomenon.

Fact 3.1. *There exists a sequence of infinite cyclic groups $\langle H_n \rangle$, where H_n is an isometry of hyperbolic type, such that the sequence converges to a subgroup isomorphic to $\mathbb{Z}^2$, whose generators are both parabolic isometries.*

In this section, we will construct one such sequence explicitly. We will use the upper half-plane model $\mathbb{C} \times \mathbb{R}^+$ for $\mathbb{H}^3$. The isometry group $\mathcal{I}^+(\mathbb{H}^3) \cong \mathrm{PSL}_2(\mathbb{C})$ acts on the boundary $\overline{\mathbb{C}}$ by fractional linear transformation.

4 Quotient things up

5 Convergence of the quotient

6 Annex of necessary backgrounds

References

[PH] Author names. Article Titles. *Journal Title*, ??? some mysterious numbers.