Lecture 10

Let $\Gamma \in Iso(\mathbb{R}^2)$ be a discontinuous fixed point free subgroup.

Det A fundamental domain $D_P \subseteq \mathbb{R}^2$ for P 2s any subset D_P s.t. for any P in \mathbb{R}^2 , |PPPP| = 1

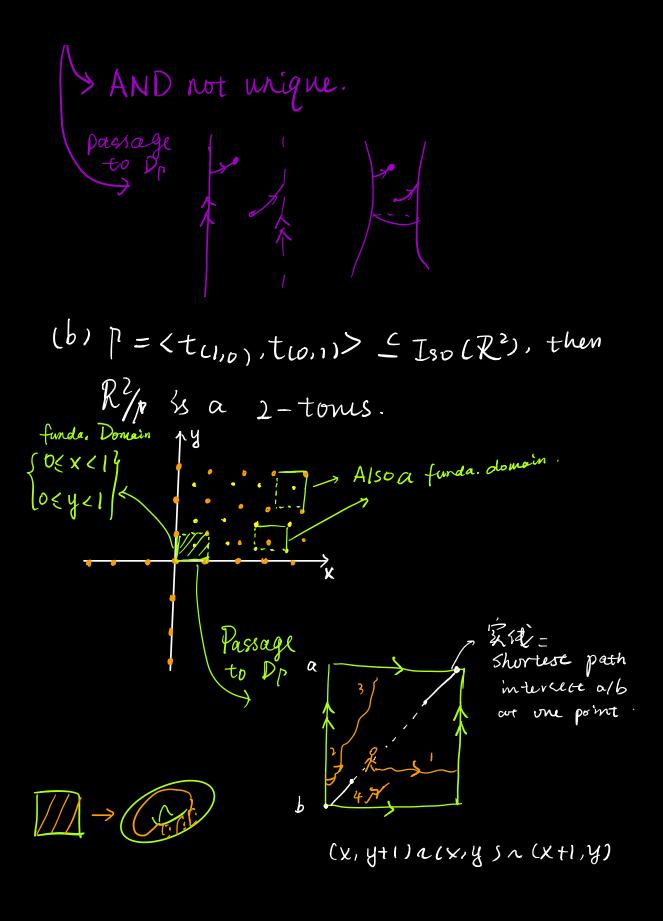
S1. I generated by translations

(a) $\Gamma = \langle tci, o \rangle \geq Iso(R^2)$.

Here R^2/Γ 3s a cylinder.

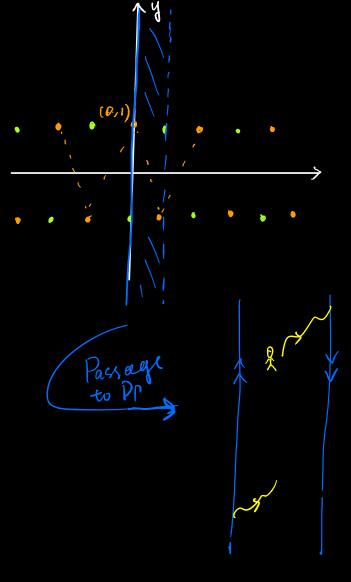
Not a fundamental (Note include of prints).

Redupirate red formation of the fundamental fundamental formain.



82. I generated with glide reflections.

(C) $\Gamma = \langle t_{(1,0)}, \overline{r} \rangle \subseteq I_{SO}(\mathbb{R}^2)$. Here \mathbb{R}^2/\mathbb{R} is a twisted cylinder.



(x+2, y)

(x,y)~(x+1,-y)

(d) Klein bottle fg/dy $f = \langle t_{(1,0)} \circ F, t_{(0,1)} \rangle$

