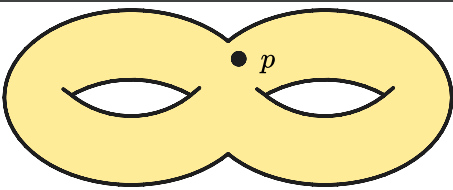
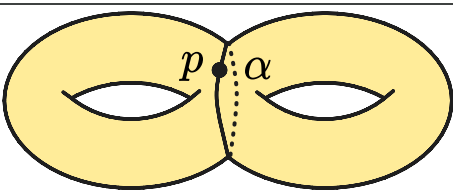
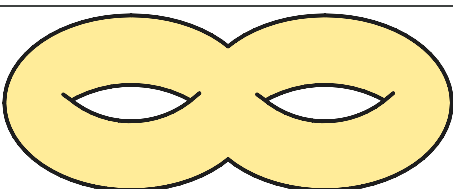
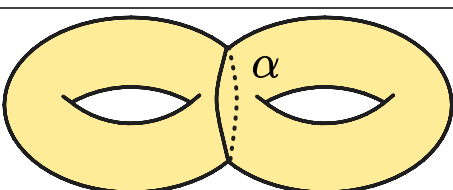


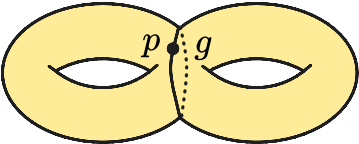
Info

This note, that [was found here](#), as a part of [a collection](#) is written (completely with human hands) by [Rupadarshi Ray](#), was created on March 13, 2026 5:04:24 PM, was last modified on March 13, 2026 5:37:10 PM, and was exported on September 7, 2026 3:04:04 PM.

$\pi_1(T_g^2,p)$

counting $\mathrm{HomGrp}(\pi_1(T_g^2,p),G)$

$\mathrm{HomGrp}(\pi_1(T_g^2,p),G)$	
$\{\varphi \in \mathrm{HomGrp}(\pi_1(T_g^2,p),G) \mid \varphi(\text{loop on the right}) = g\}$	
$\mathrm{HomGrp}(\pi_1(T_g^2,p),G) / G$	
$\left\{ \varphi \in \mathrm{HomGrp}(\pi_1(T_g^2,p),G) / G \mid \varphi(\text{loop on the right}) = g \right\}$ for a conjugacy class $\alpha \in \mathfrak{c}(G)$	
$\mu[\phi] := \frac{ \{\varphi \in [\phi]\} }{ G }$	

$\begin{aligned} &\mu\left(\mathrm{HomGrp}(\pi_1(T_g^2,p),G) / G\right) \\ &= \frac{ \mathrm{HomGrp}(\pi_1(T_g^2,p),G) }{ G } \\ &= \frac{1}{ G } \sum_{g \in G} \left \left\{ \varphi \in \mathrm{HomGrp}(\pi_1(T_g^2,p),G) \mid \varphi(\text{loop on the right}) = g \right\} \right \end{aligned}$	$\begin{aligned} &\mu \left(\text{figure-eight graph} \right) \\ &= \frac{1}{ G } \sum_{g \in G} \# \left\{ \varphi \in \mathrm{HomGrp}(\pi_1(T_g^2,p),G) \mid \varphi(\text{loop on the right}) = g \right\} \end{aligned}$ 
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[1]

Current note has 0 direct children and 0 total descendants.

- [stretchy](#)

• T_g^2

• $\pi_1(T_g^2,p)$

And it has 1 siblings.

- [stretchy](#)

• T_g^2

• $\pi_1(T_g^2,p)$