Equations in Hyperbolic(-esque) Groups

Barak Ohana

The Hebrew University of Jerusalem

9 Sep 2024

Equations in Groups

- Let Γ be a group, and $\Sigma(x_1, \ldots, x_d)$ a system of equation on d variables. We define the **set of solution of Σ in Γ** to be the set

$$\mathrm{V}_\Gamma(\Sigma) = \left\{ (g_1, \ldots, g_d) \in \Gamma^d \mid \Sigma(g_1, \ldots, g_d) =_\Gamma 1 \right\}$$

Equations in Groups

- Let Γ be a group, and $\Sigma(x_1, \ldots, x_d)$ a system of equation on d variables. We define the **set of solution of Σ in Γ** to be the set

$$\mathrm{V}_\Gamma(\Sigma) = \left\{ (g_1, \ldots, g_d) \in \Gamma^d \mid \Sigma(g_1, \ldots, g_d) =_\Gamma 1 \right\}$$

- fsadas

Sample Frame Title No. 2

- First item
- Second item
- Third item

Sample Frame Title No. 3

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

Something important

Einstein's formula

$$E = mc^2$$