Følner sequence

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1 Introduction

Definition 1.1.

Definition 1.2. We define a *right-Følner sequence* in Γ as a sequence $\Phi = (\Phi_N)_{N\in\mathbb{N}}$ of finite subsets of Γ satisfying

$$\lim_{N\to\infty} \frac{|(\Phi_N \cdot \gamma^{-1}) \cdot \Phi_N|}{|\Phi_N|} = 1$$

for all $\gamma \in \Gamma$.

Definition 1.3. Similarly, we define a *left-Følner sequence* in Γ as a sequence $\Phi = (\Phi_N)_{N\in\mathbb{N}}$ of finite subsets of Γ satisfying

$$\lim_{N\to\infty} \frac{|(\gamma^{-1} \cdot \Phi_N) \cap \Phi_N|}{|\Phi_N|} = 1$$

for all $\gamma \in \Gamma$.

Definition 1.4. We call a sequence a *Følner sequence* if it is both a left and right Følner sequence.

2 More Information

You can learn more about controlling the appearance of HTML output here: https://quarto.org/docs/output-formats/html-basics.html