

# Følner sequence

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2025-07-09

## 1 Introduction

**Definition 1.1.** We define a *right-Følner sequence* in  $\Gamma$  as a sequence  $\Phi = (\Phi_N)_{N \in \mathbb{N}}$  of finite subsets of  $\Gamma$  satisfying

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

for all  $\gamma \in \Gamma$ .

**Definition 1.2.** Similarly, we define a *left-Følner sequence* in  $\Gamma$  as a sequence  $\Phi = (\Phi_N)_{N \in \mathbb{N}}$  of finite subsets of  $\Gamma$  satisfying

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

for all  $\gamma \in \Gamma$ .

**Definition 1.3.** We call a sequence a *Følner sequence* if it is both a left and right Følner sequence.

## 2 Results

**Theorem 2.1** (The Test Theorem). *This is a Theorem.*

💡 Tip

This is a test tip.

## 3 More Information

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