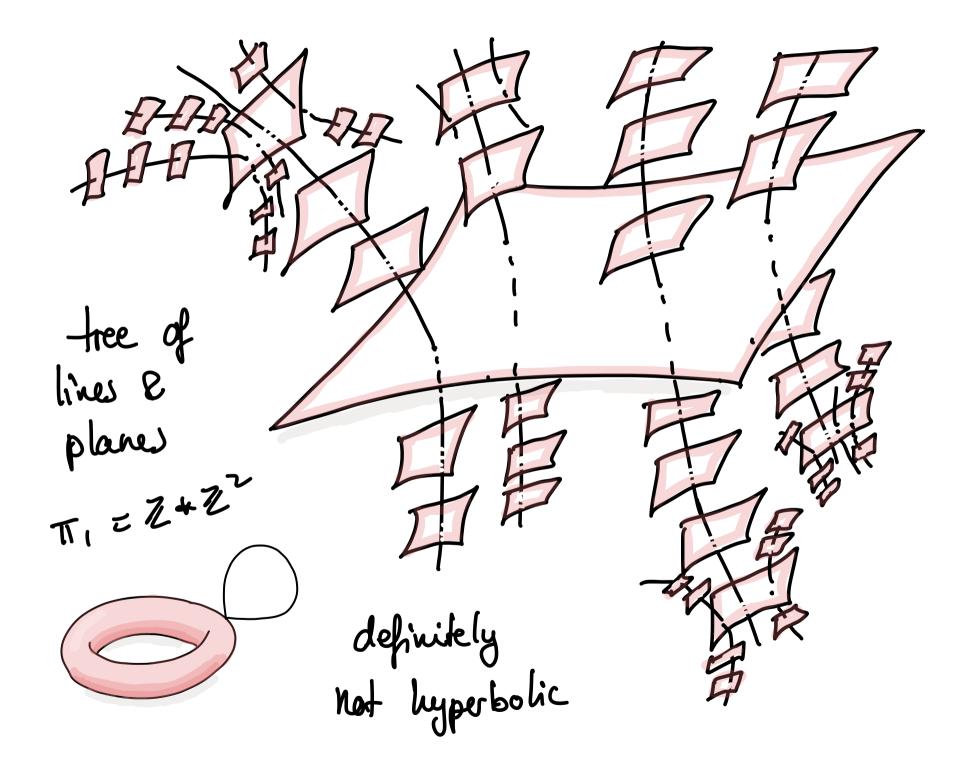
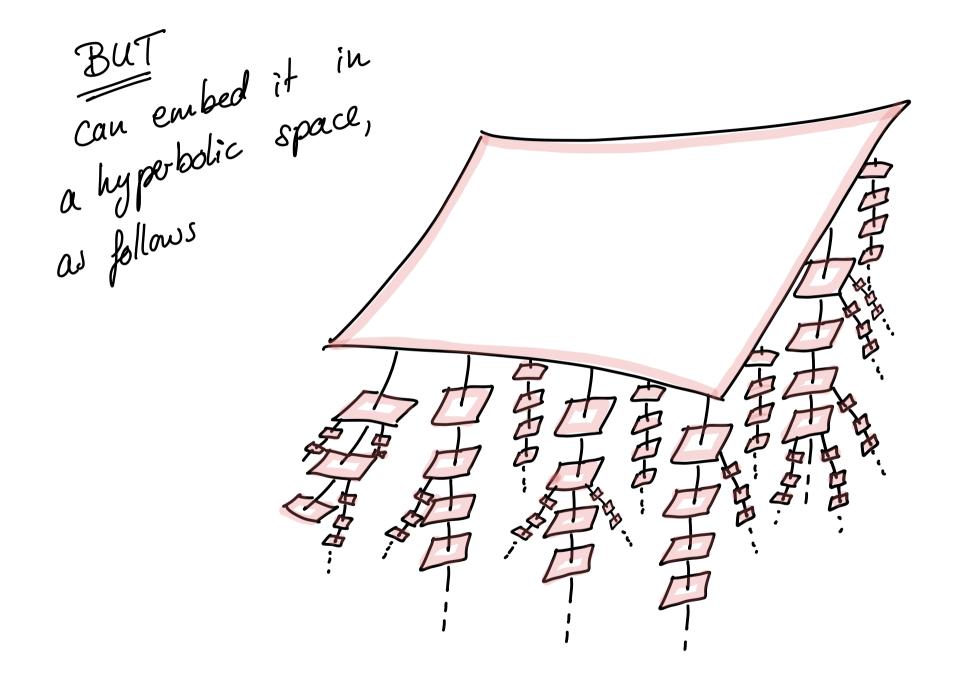
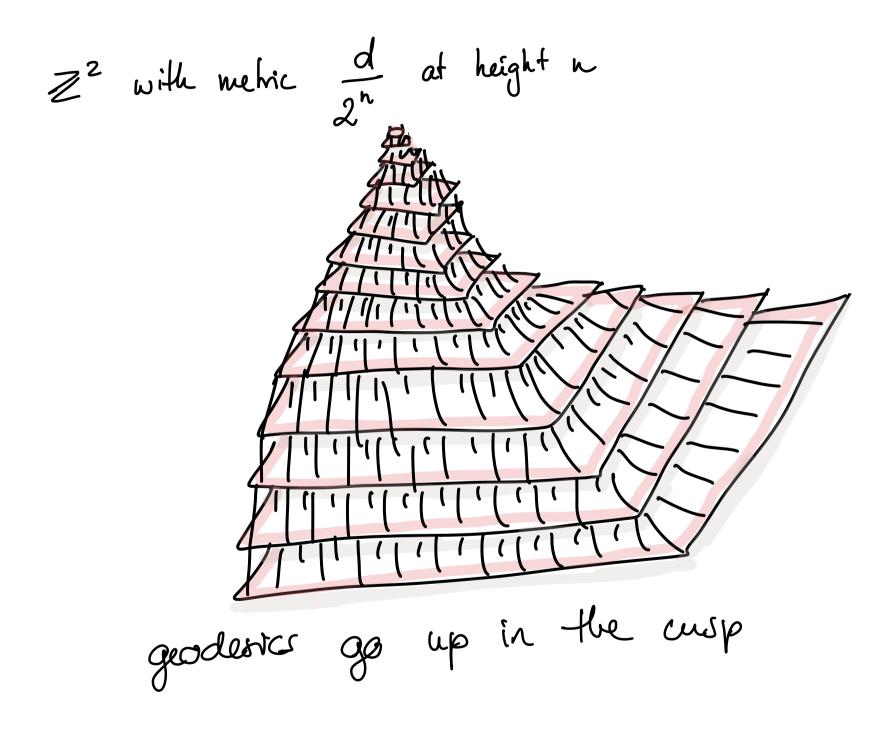
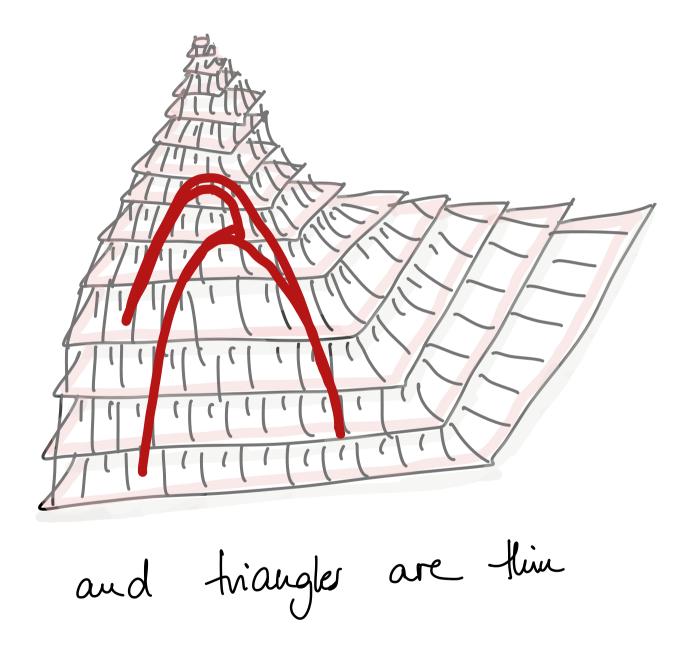
Horospherical randou graphs Indira Chatterji

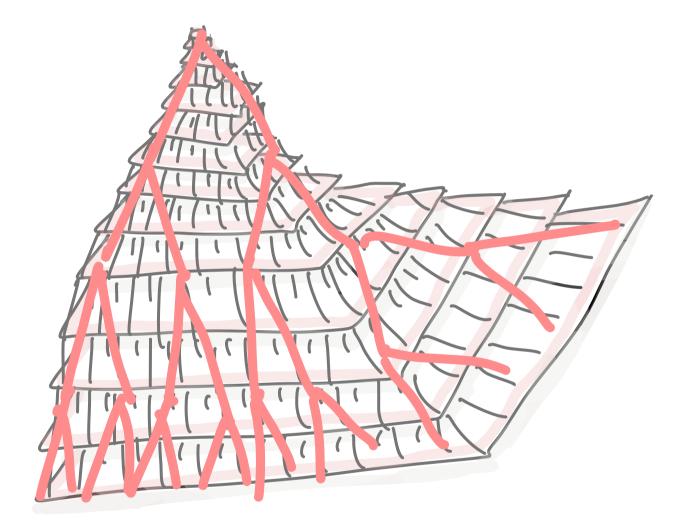
Austin Lawson

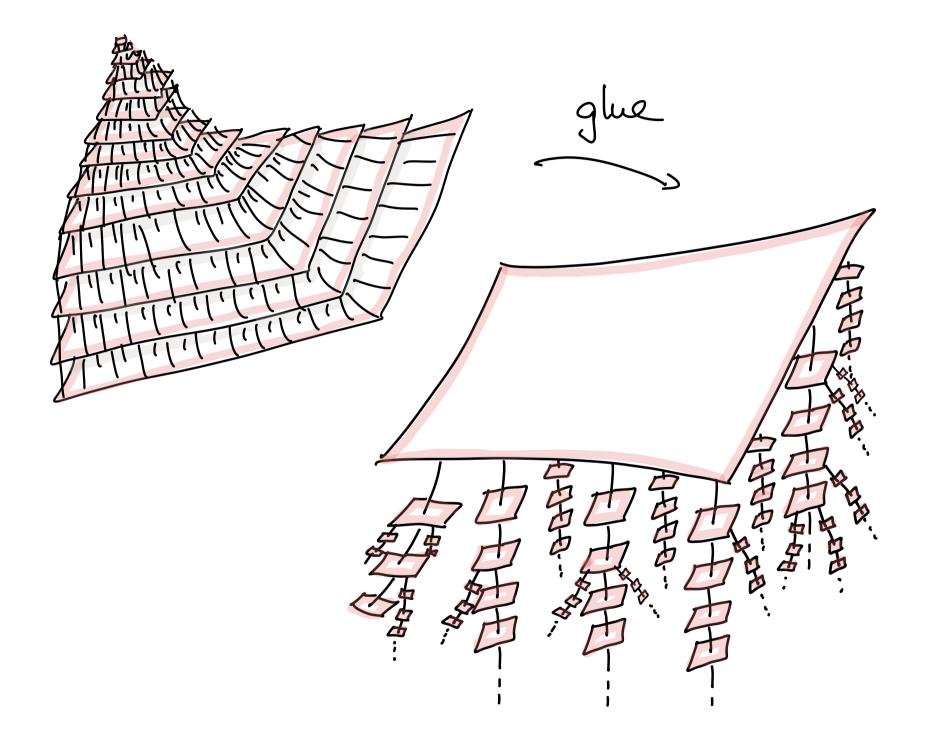


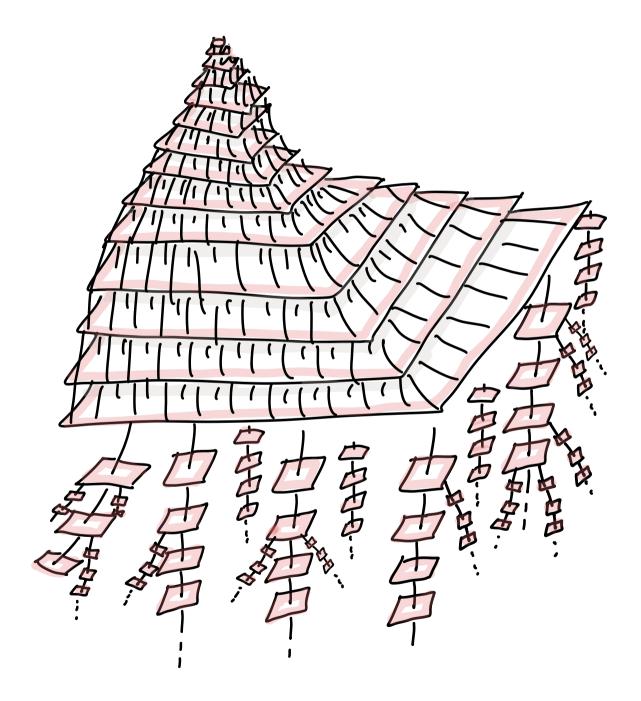






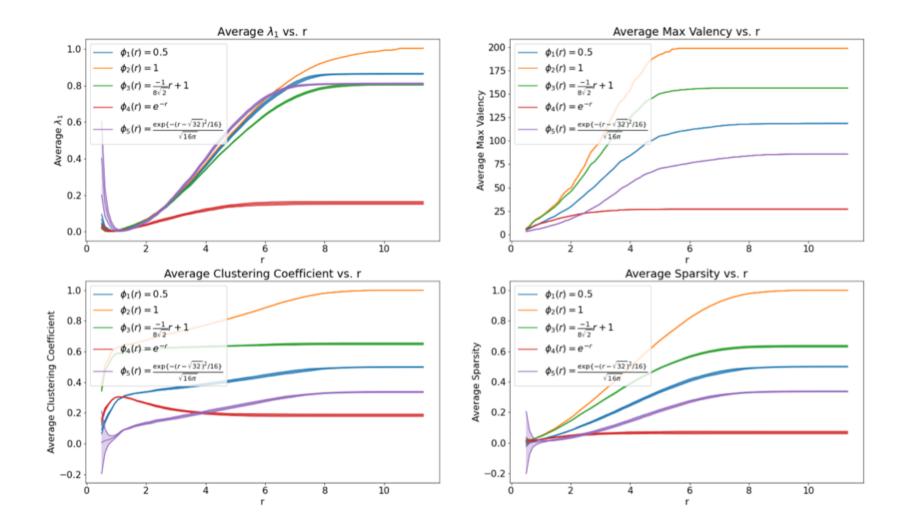




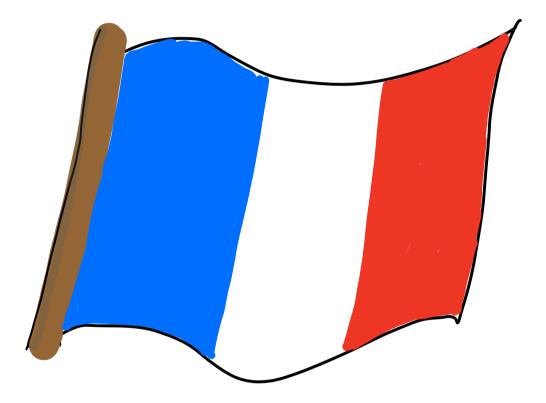


& quetient by Z=+ Z² to see D nou-compact.

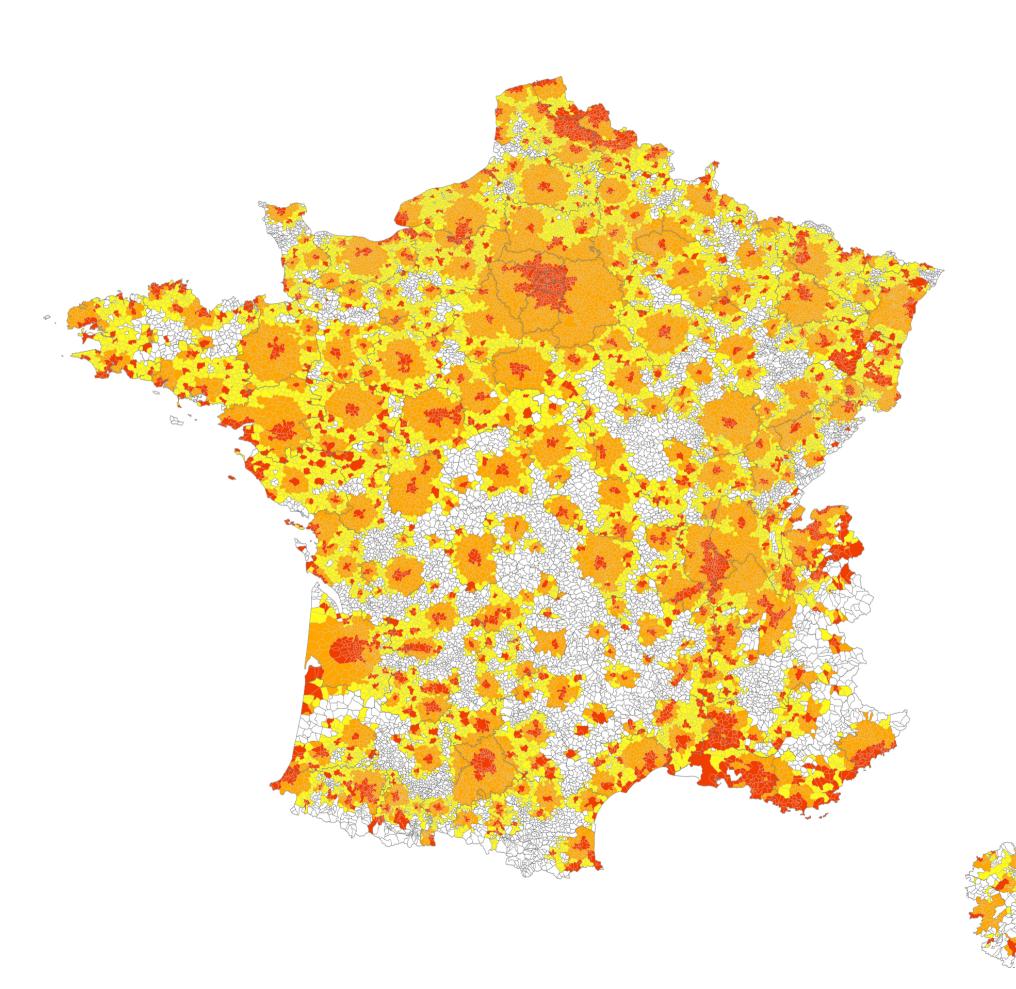
Soft (horospherical) graphs au a uniform dishibution

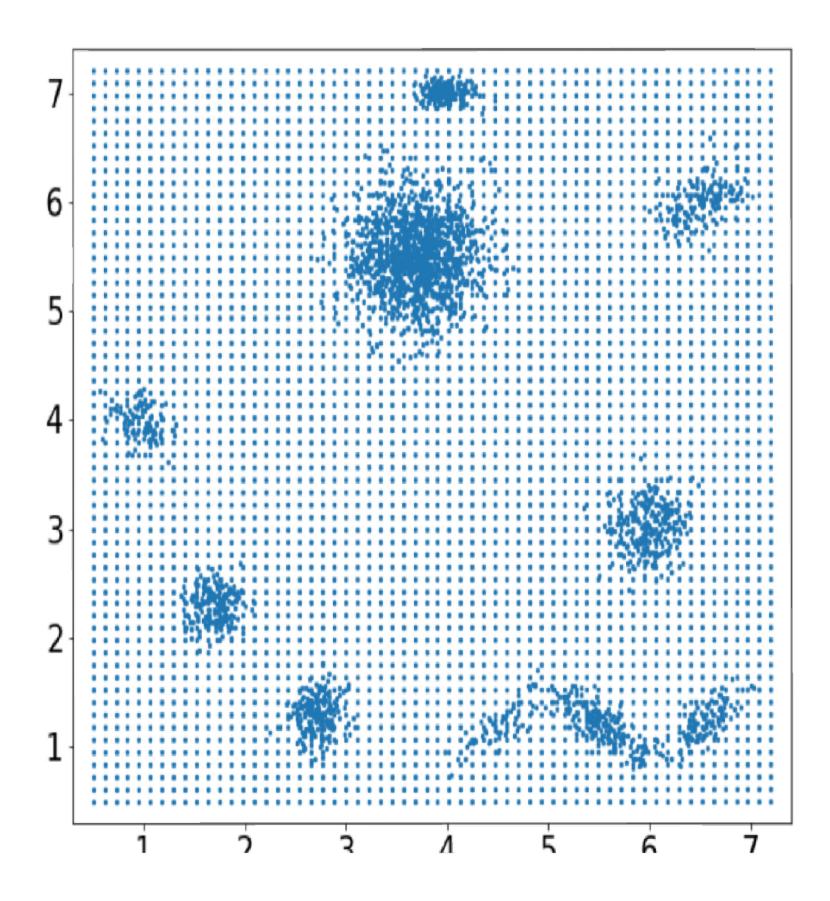


Experiment:



Horospherical graphs based In France





$$\phi(r) = \begin{cases} 1 & r \le 0.3 \\ 0 & \text{otherwise} \end{cases} \quad P(r) = \begin{cases} 1 & r \le 0.15 \\ 0.1 & 0.15 < r \le 0.3 \\ 0.05 & 0.3 < r \le 1 \\ 0.01 & 0.15 < r \le 3 \\ 0.005 & 3 < r \le 10 \end{cases}$$

		Γ	G	
	λ_1	0.00035	0.29	
	Sparsity	0.015	0.016	
	Max Valency	470	149	
	Average Valency	97.1	27.2	
ΤА	BLE 1. Various sta	atistics for	$\Gamma \Gamma$ and	(

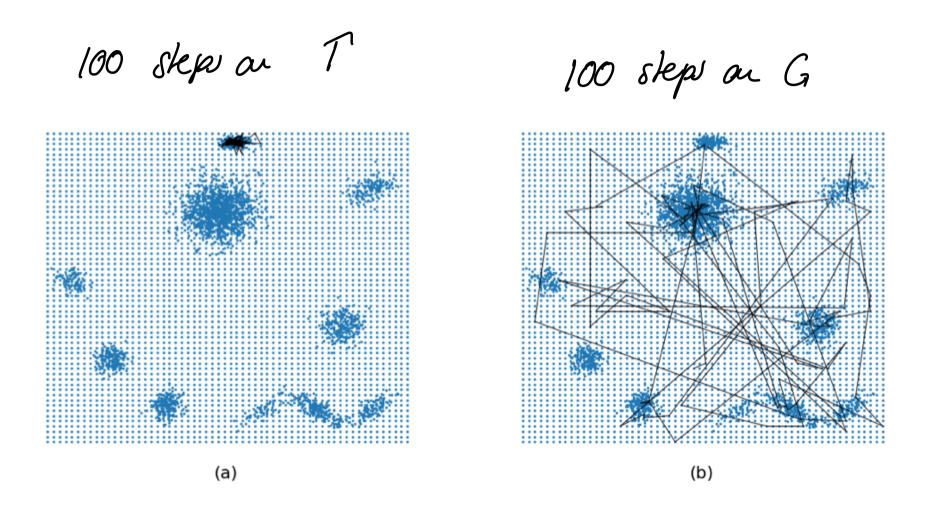


FIGURE 3. A simple random walk for Γ and G.

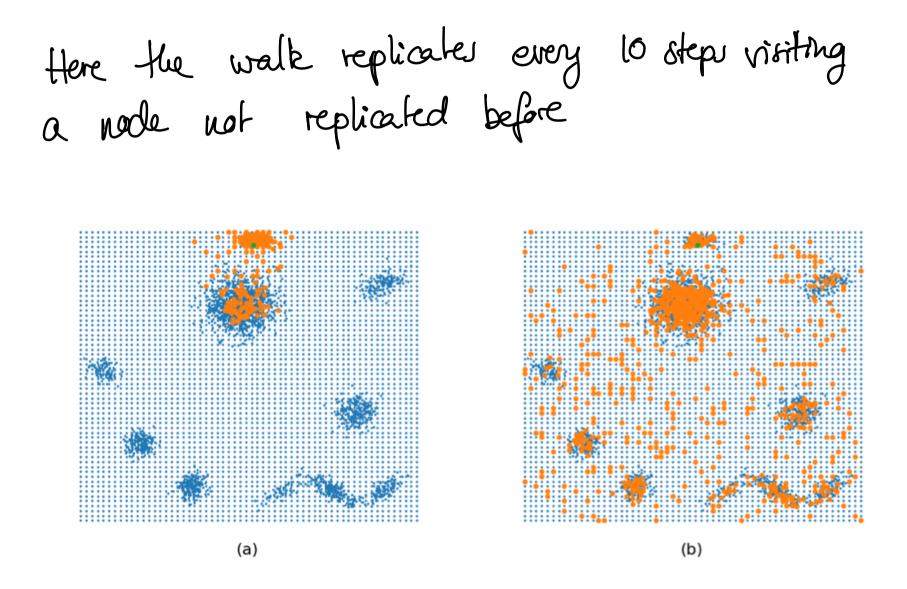
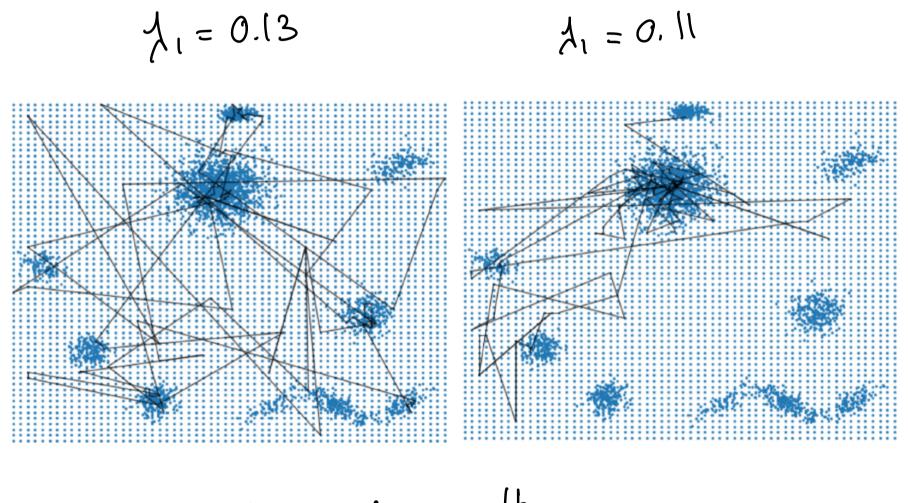


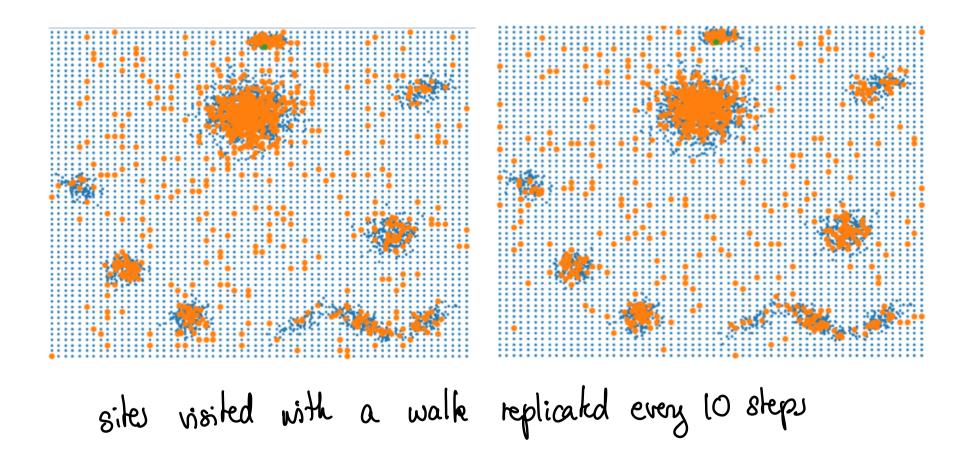
FIGURE 4. The initial positions of the replicants for the replicating random walk simulation on Γ and G.

$$P(r) = \begin{cases} 1 & r \le 0.15 \\ 0.1 & 0.15 < r \le 0.3 & \longrightarrow 0.05 \\ 0.05 & 0.3 < r \le 1 & \longrightarrow 0.005 \\ 0.01 & 0.15 < r \le 3 & \longrightarrow 0.005 & \longrightarrow 0.005 \\ 0.005 & 3 < r \le 10 & - 0.001 & \longrightarrow 0.001 \\ & \downarrow & \downarrow & \downarrow \\ 0.29 & 0.13 & 0.11 \end{cases}$$



100 steps random walk

$$\lambda_{1} = 0.13$$
 $\lambda_{2} = 0.11$



$$T^{1}(r) : p(x,y) = \int I \quad if \quad d(x,y) \leq r$$

