



The GL dynamics on the lattice $\Lambda_n = \{1, \dots, n\}$ can be seen as a fluctuating interface conserving the algebraic volume (represented in gray) $\mathcal{V}_n(\varphi_t) := \mathcal{V}_{\Lambda_n}(\varphi_t) = \sum_{x \in \Lambda_n} \varphi_t(x)$ between the interface and the x -axis.