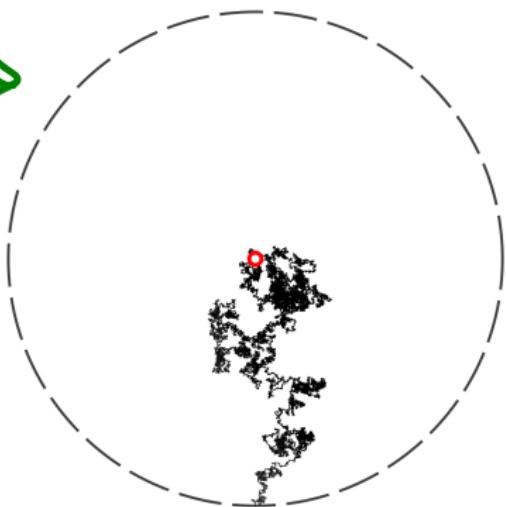


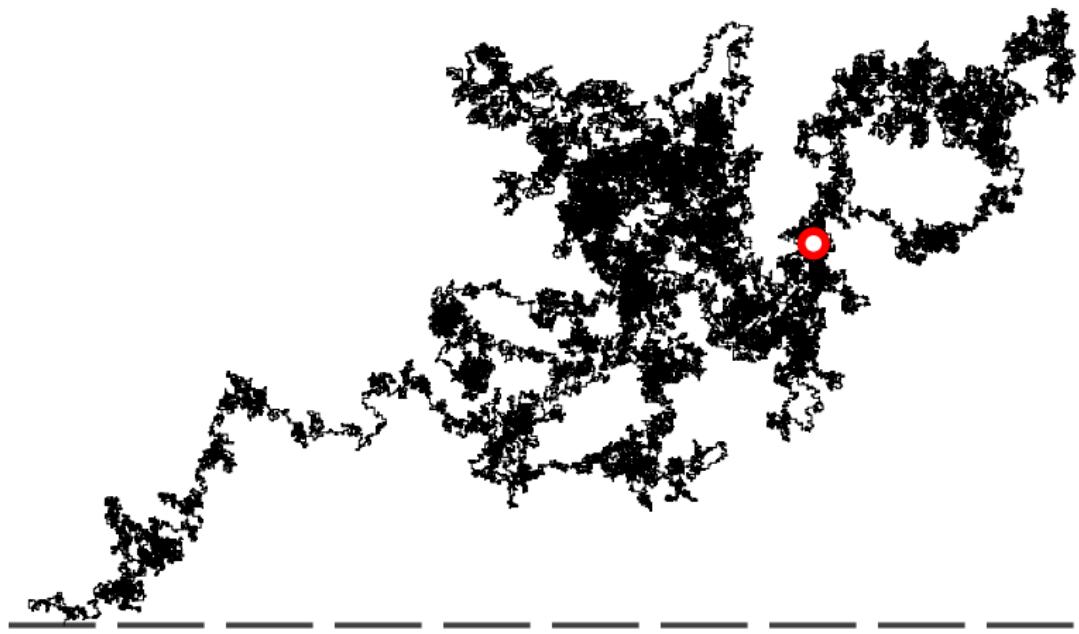
$$H = \{ (x,y) : y > 0 \}$$

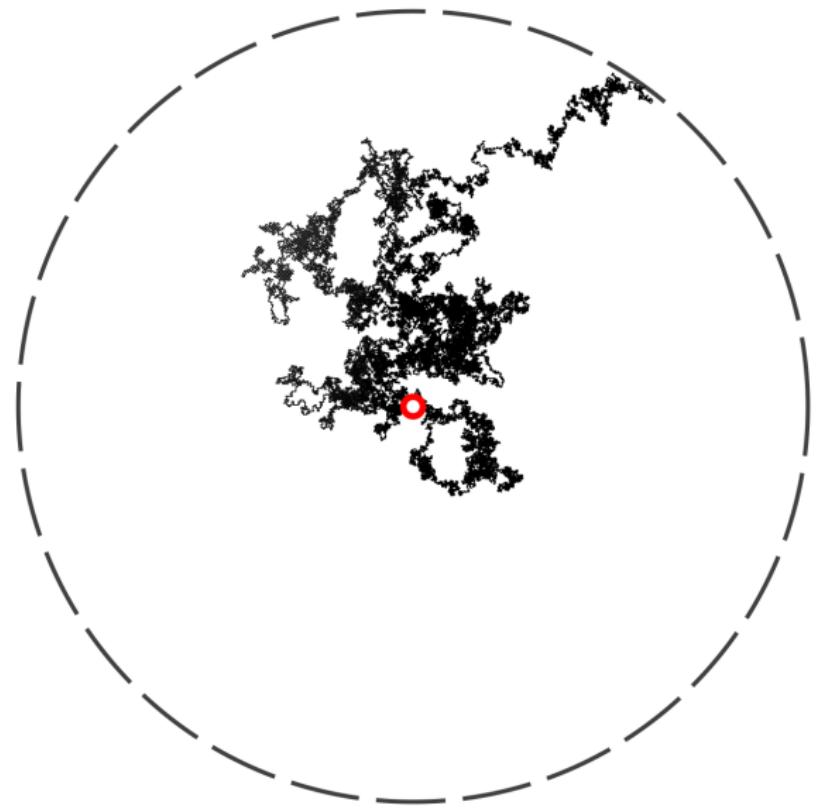


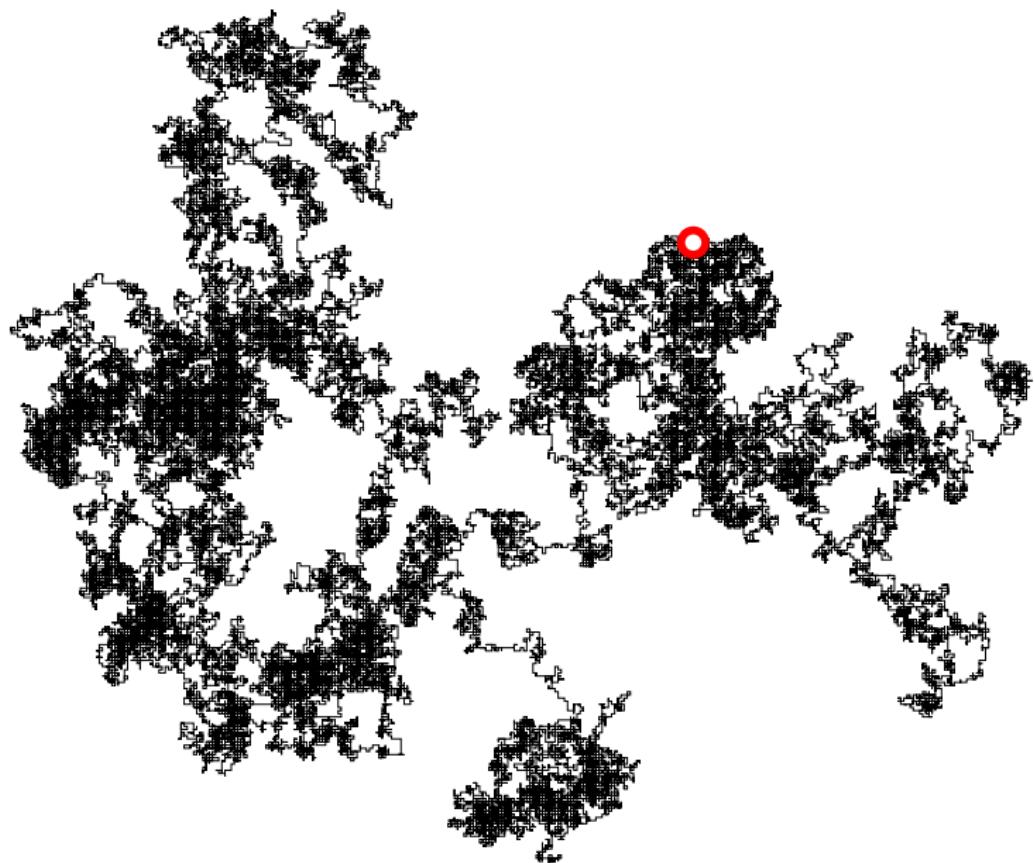


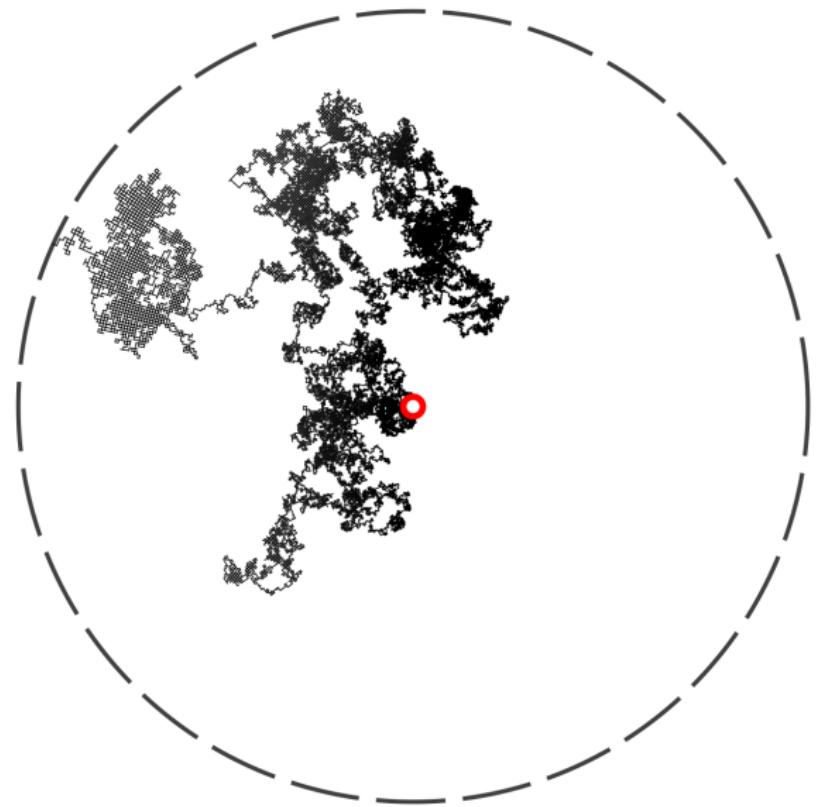
$T: \mathbb{H} \rightarrow D = \{z : |z| < 1\}$











Schramm (stochastic)-Loewner evolution SLE $_{\kappa}$



Oded Schramm (1961-2008)



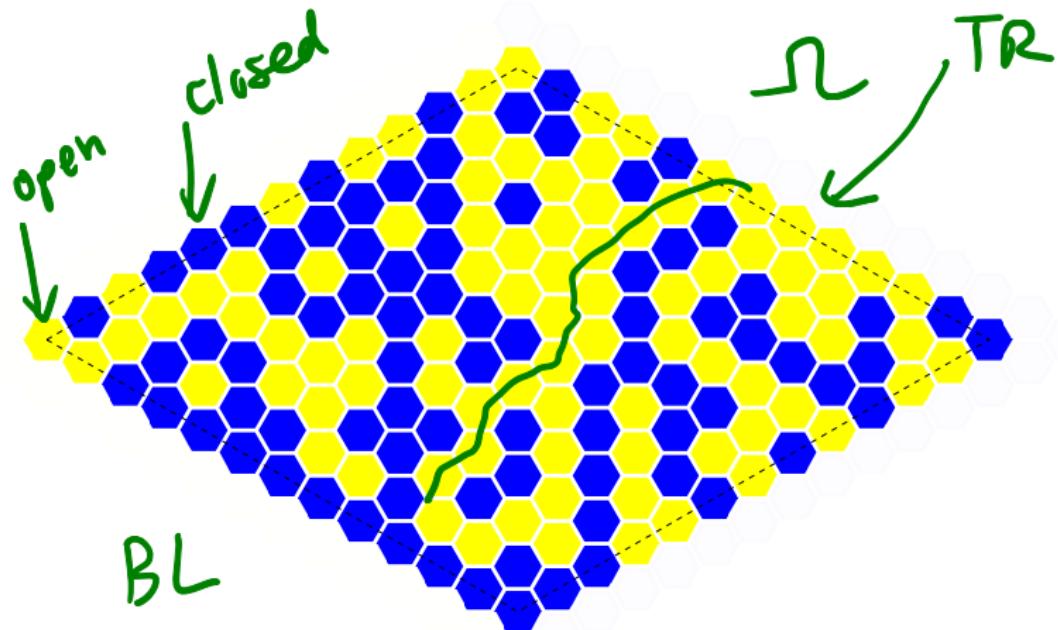
Charles Loewner (1893-1968)

Schramm (stochastic)-Loewner evolution SLE_κ



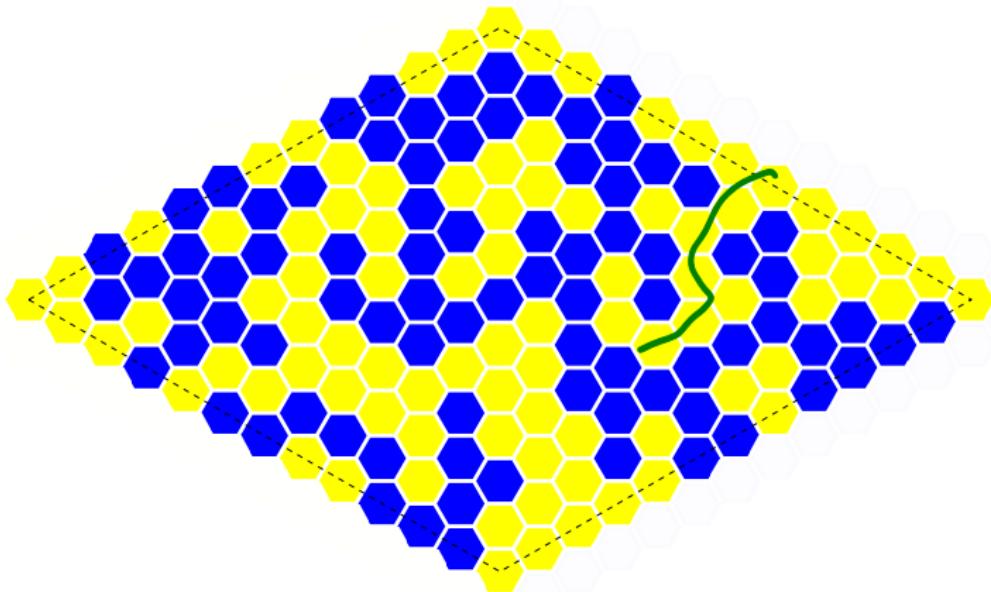
Guye Peak (North Cascade Mountains, near Seattle)

Critical percolation on hexagonal lattice

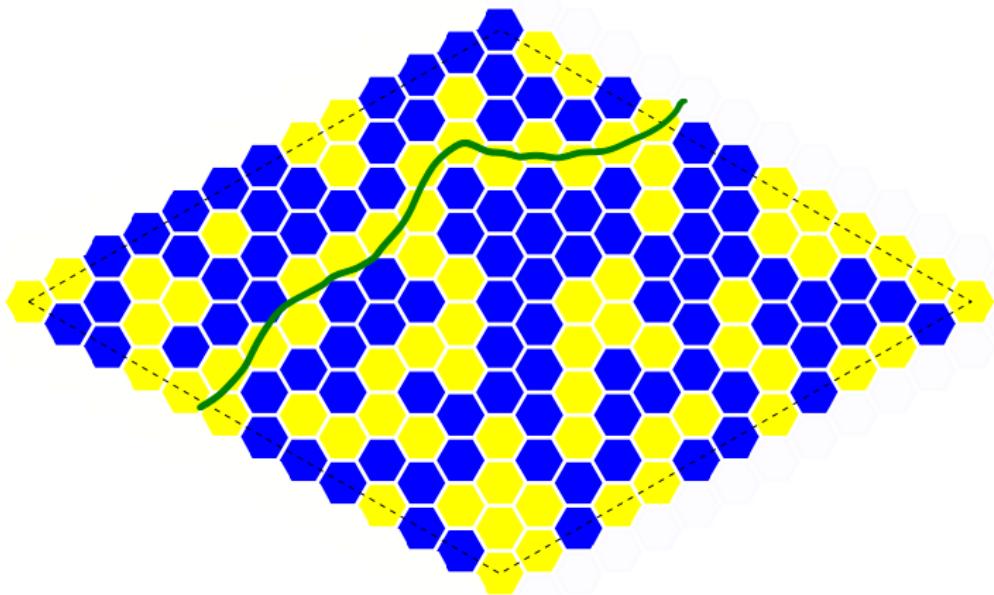


$C = \{ \exists \text{ open path from } TR \text{ to } BL \}$

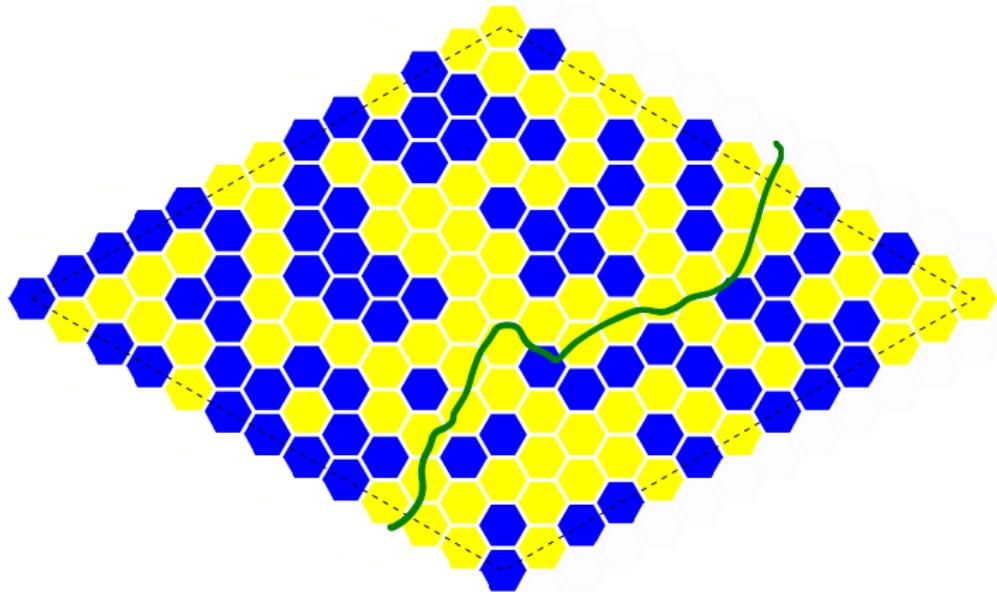
Critical percolation on hexagonal lattice



Critical percolation on hexagonal lattice

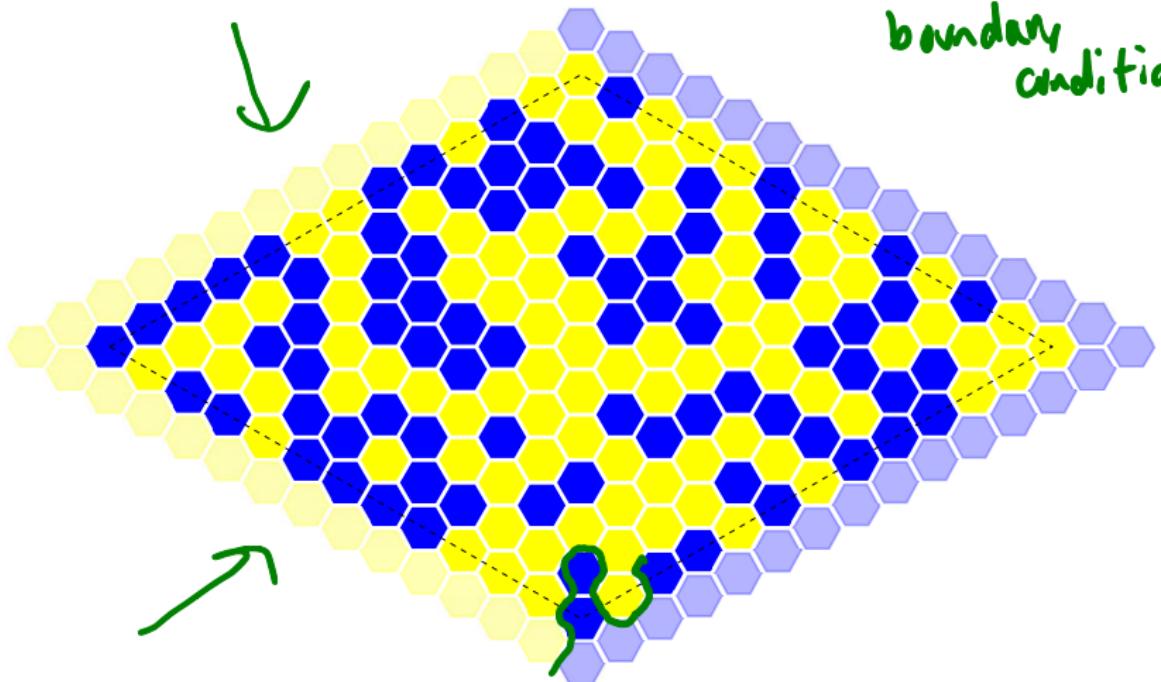


Critical percolation on hexagonal lattice

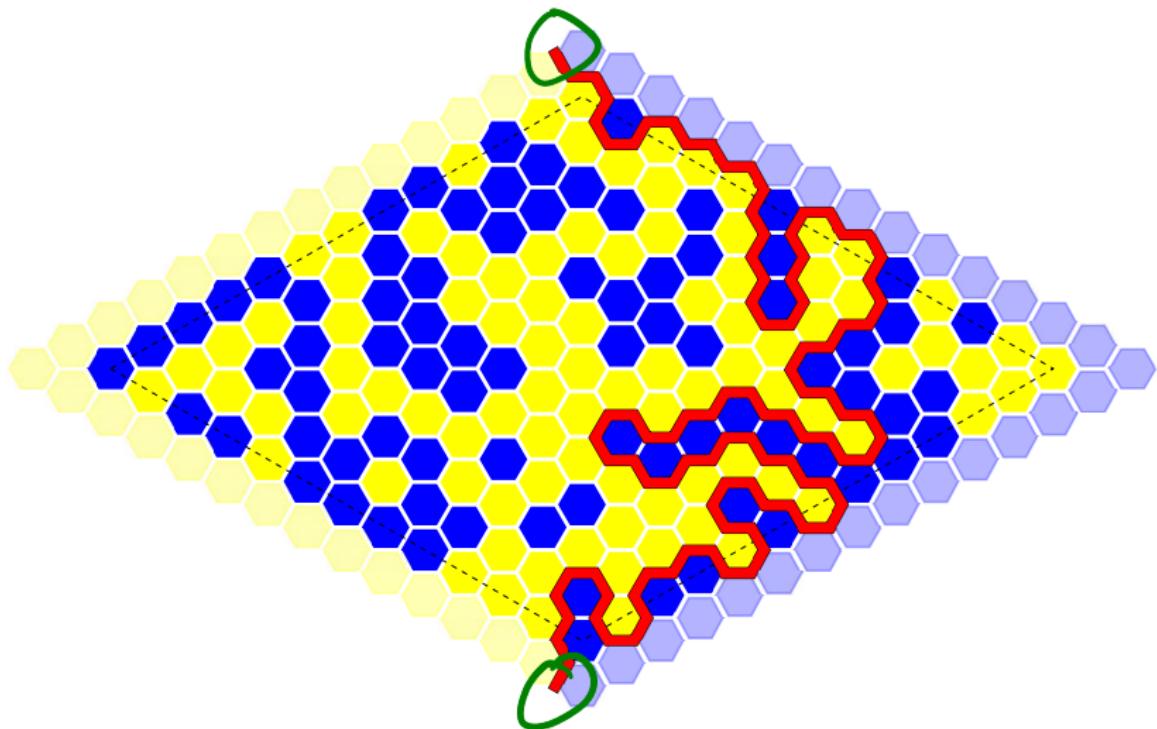


Critical percolation on hexagonal lattice

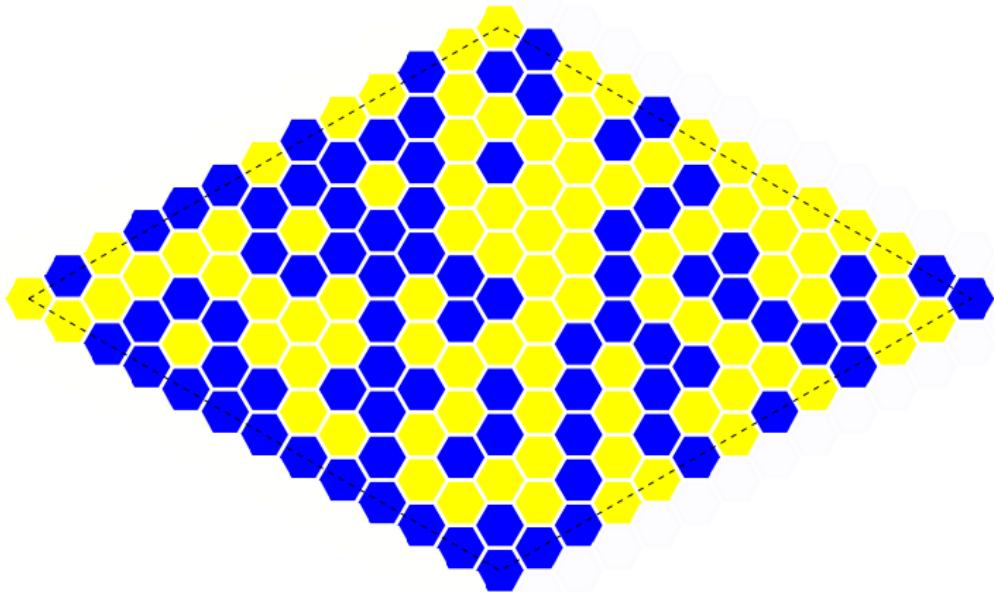
"Dobrushin boundary conditions"



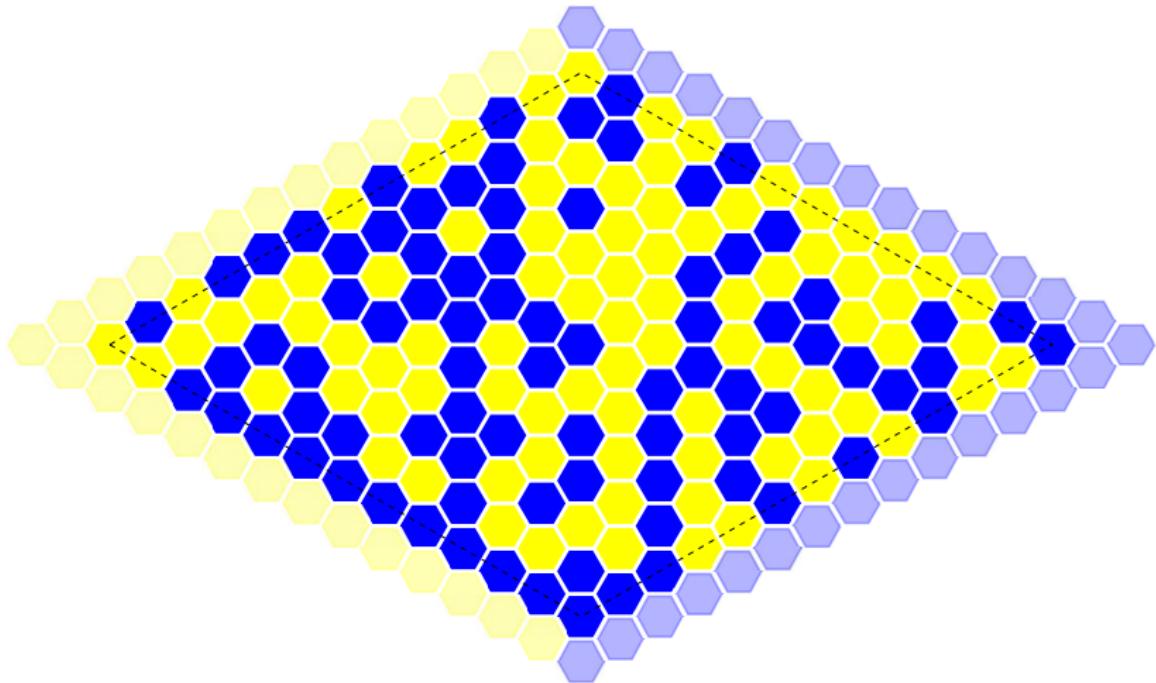
Critical percolation on hexagonal lattice



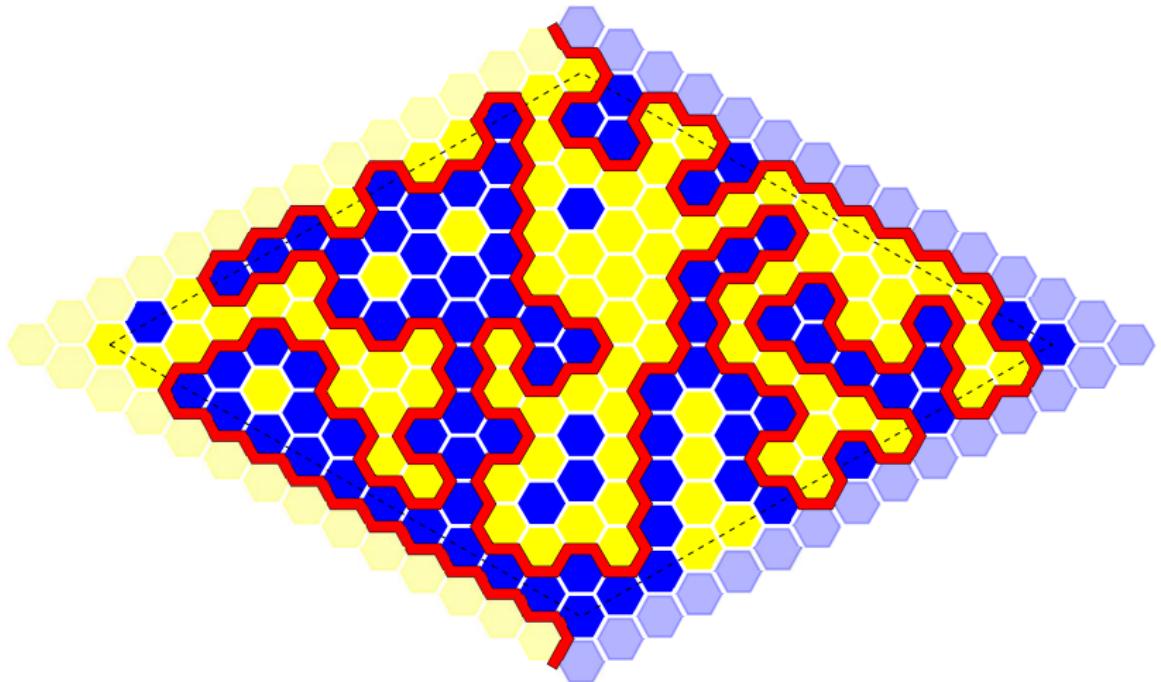
Critical percolation on hexagonal lattice



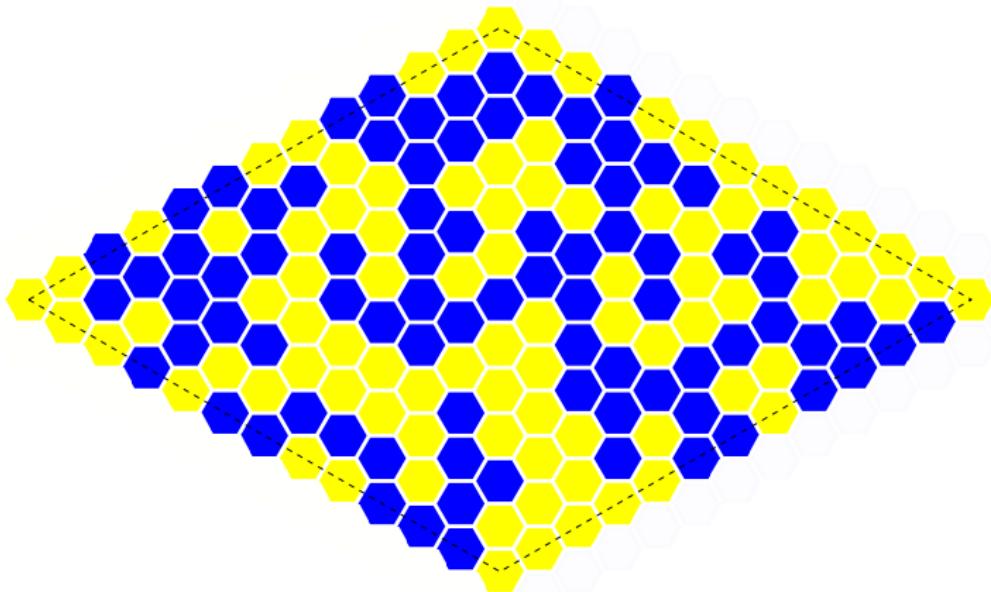
Critical percolation on hexagonal lattice



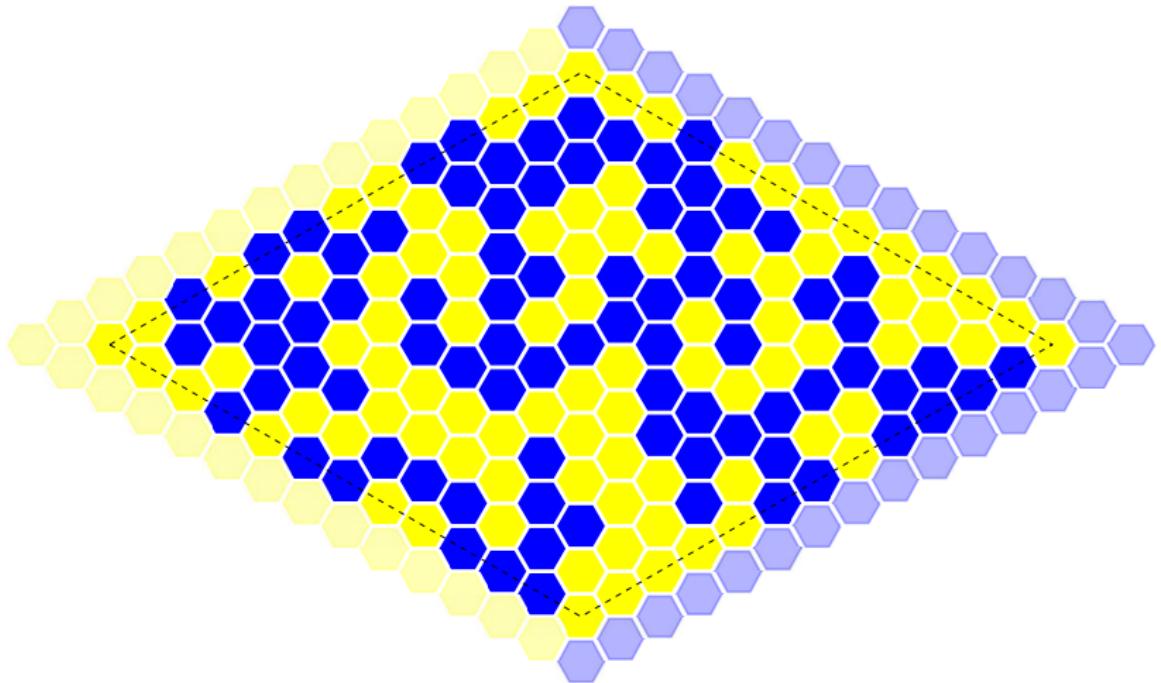
Critical percolation on hexagonal lattice



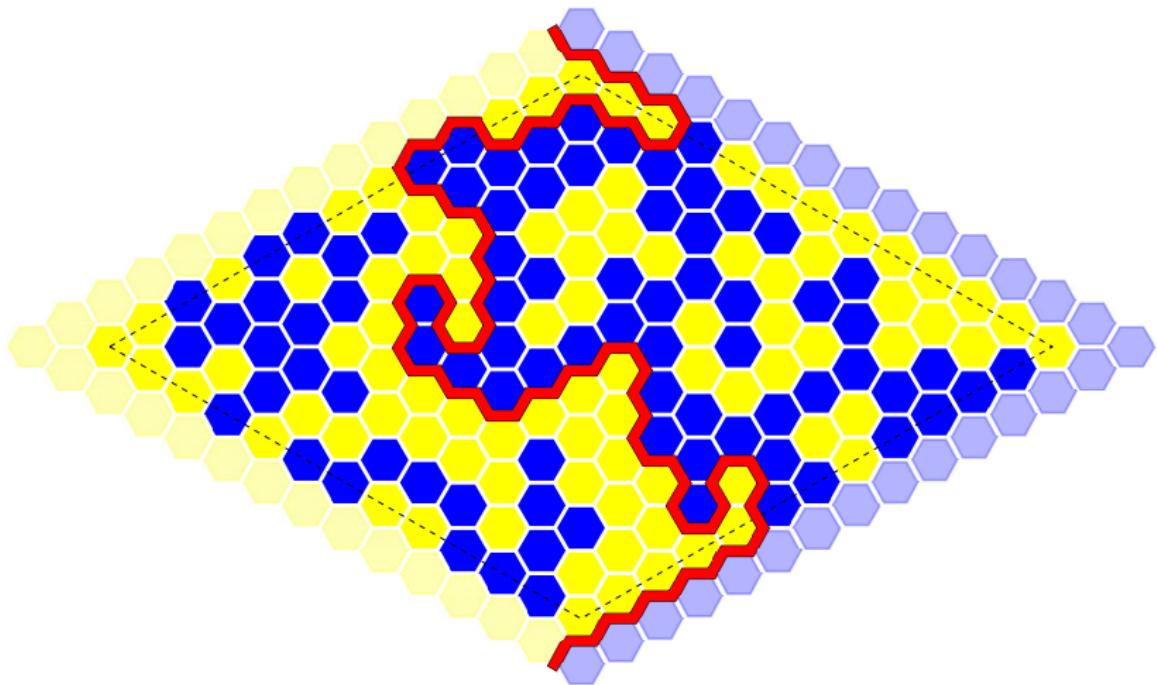
Critical percolation on hexagonal lattice



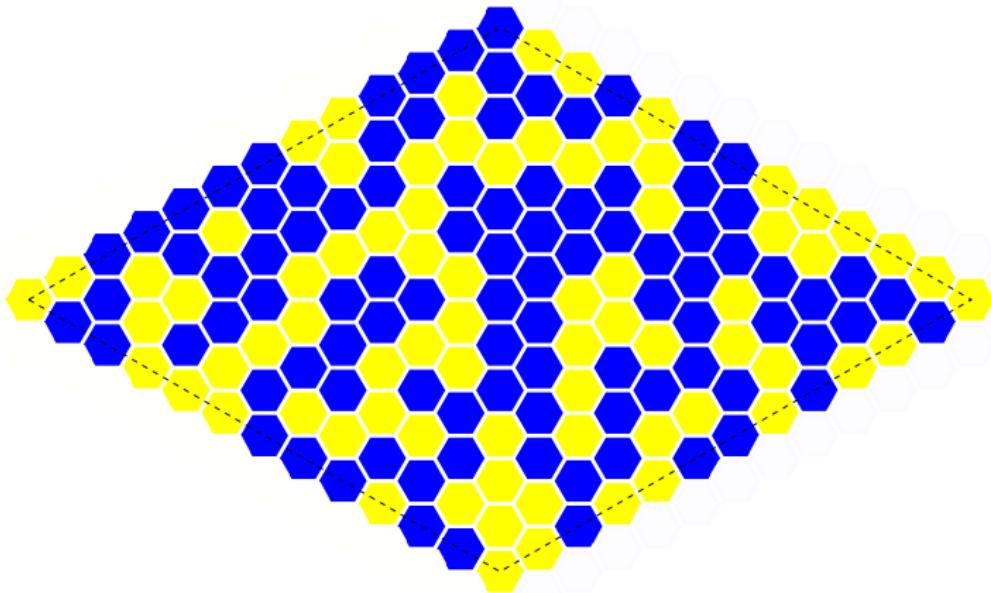
Critical percolation on hexagonal lattice



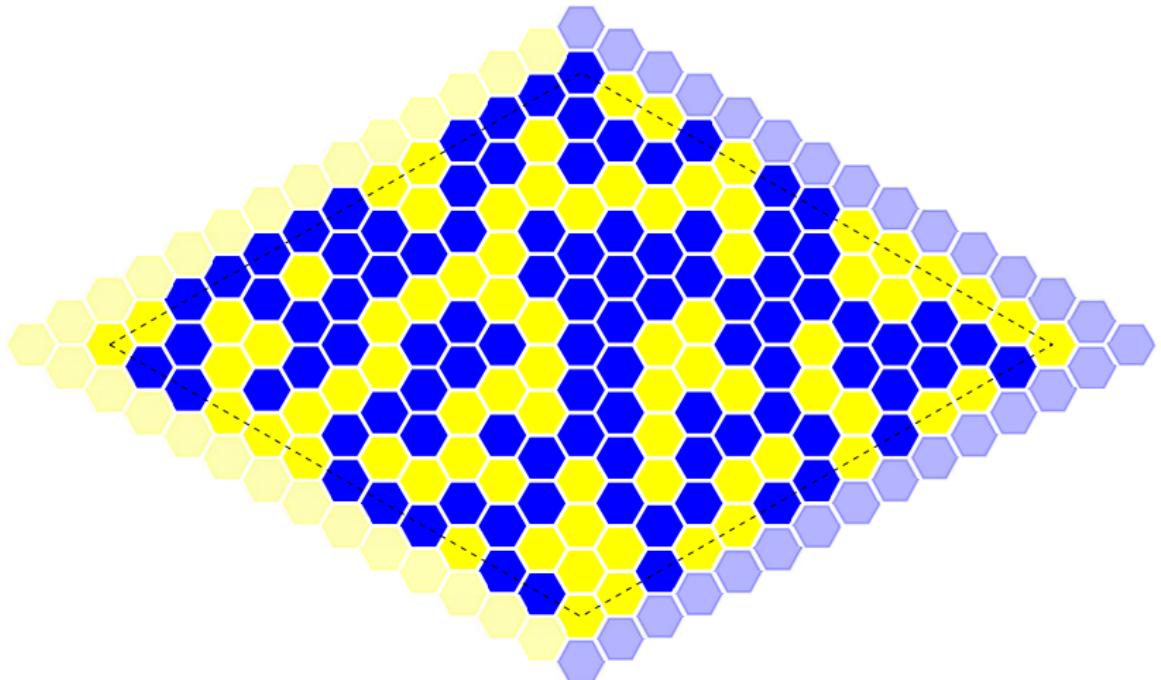
Critical percolation on hexagonal lattice



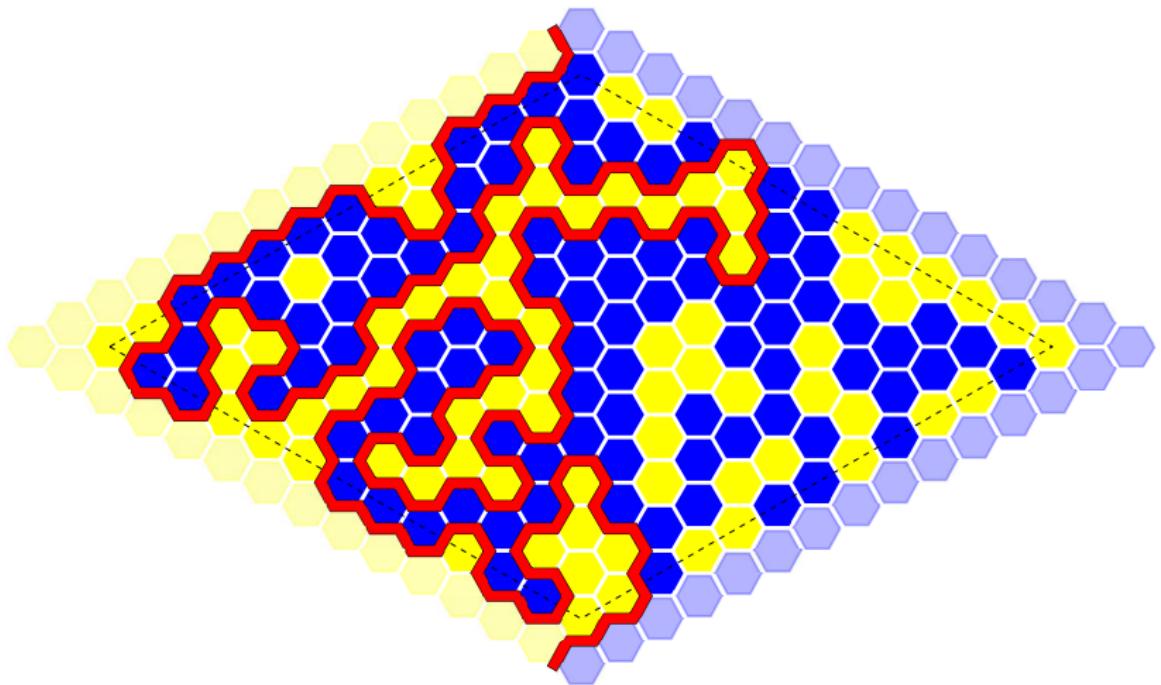
Critical percolation on hexagonal lattice



Critical percolation on hexagonal lattice

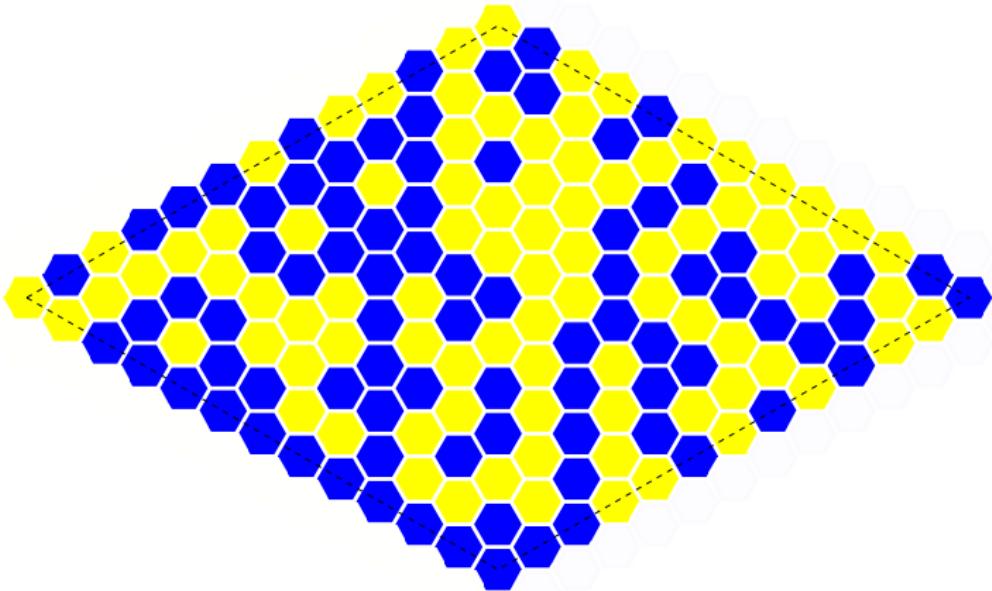


Critical percolation on hexagonal lattice

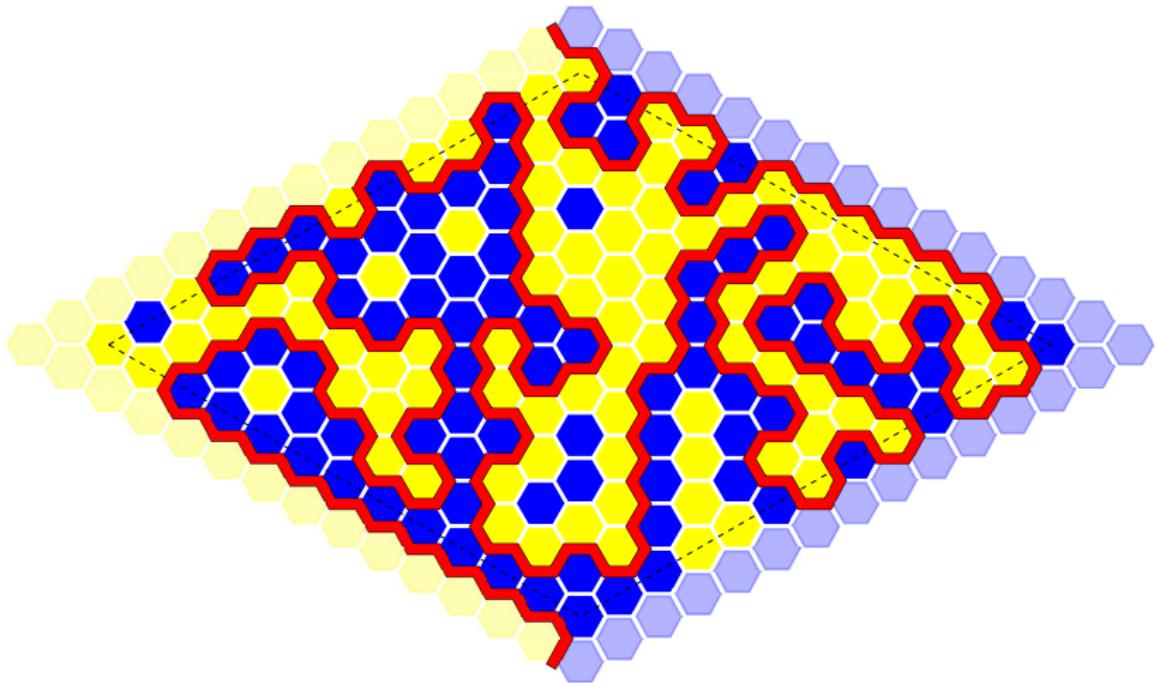


Relation to the crossing event?

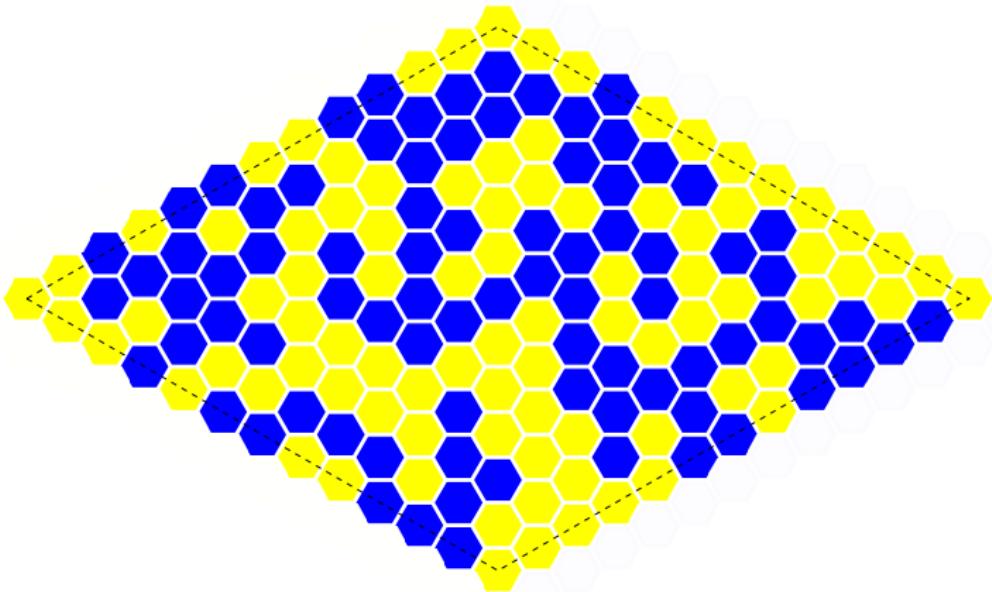
Relation to the crossing event?



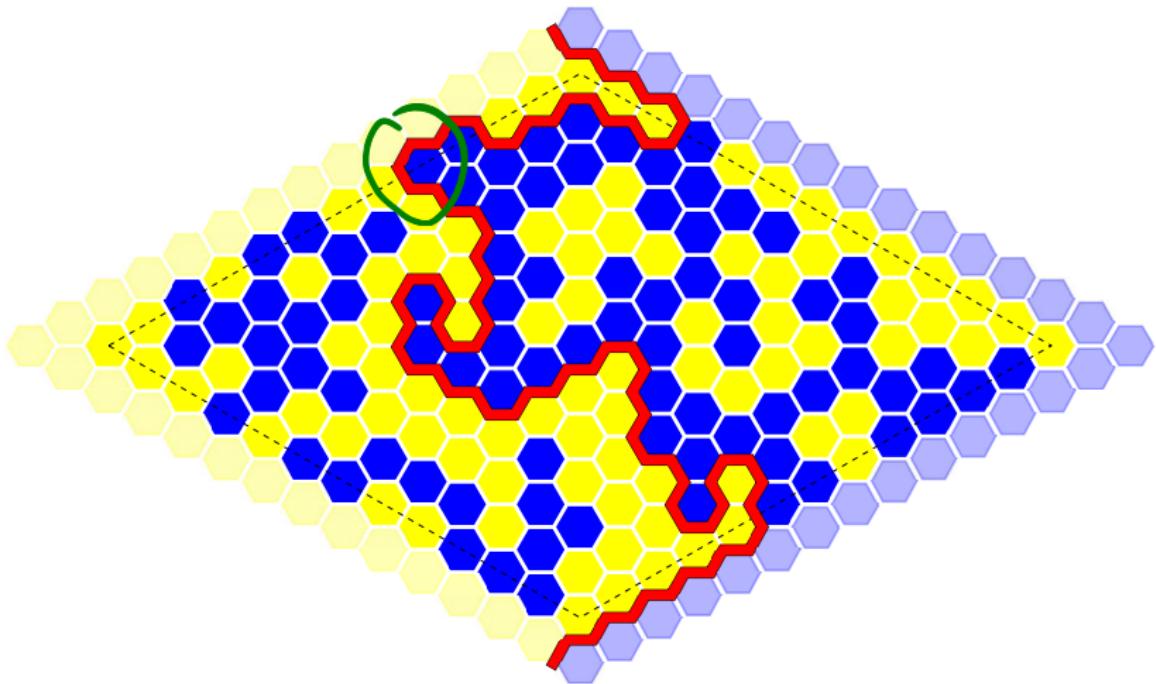
Relation to the crossing event?



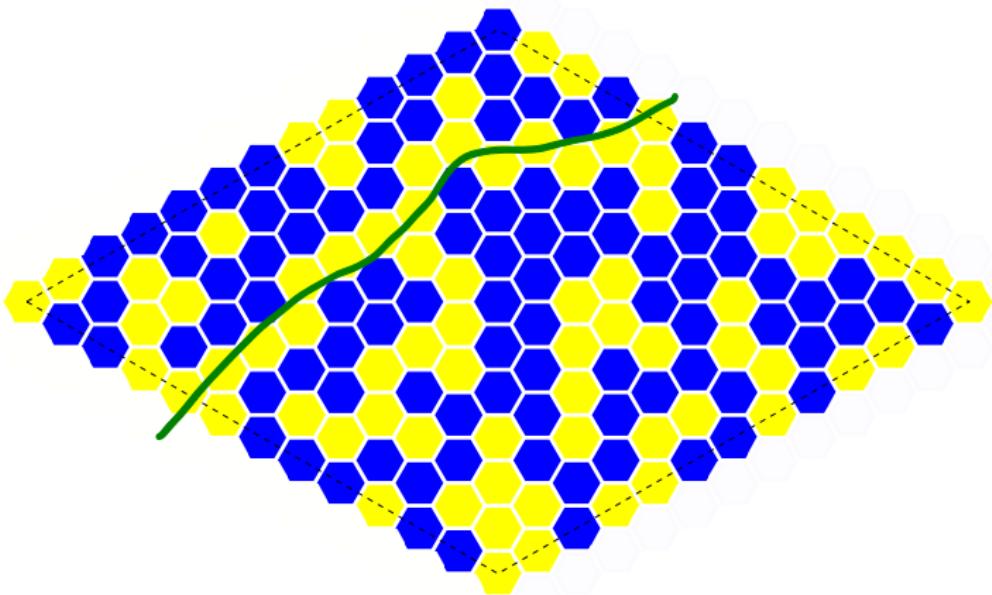
Relation to the crossing event?



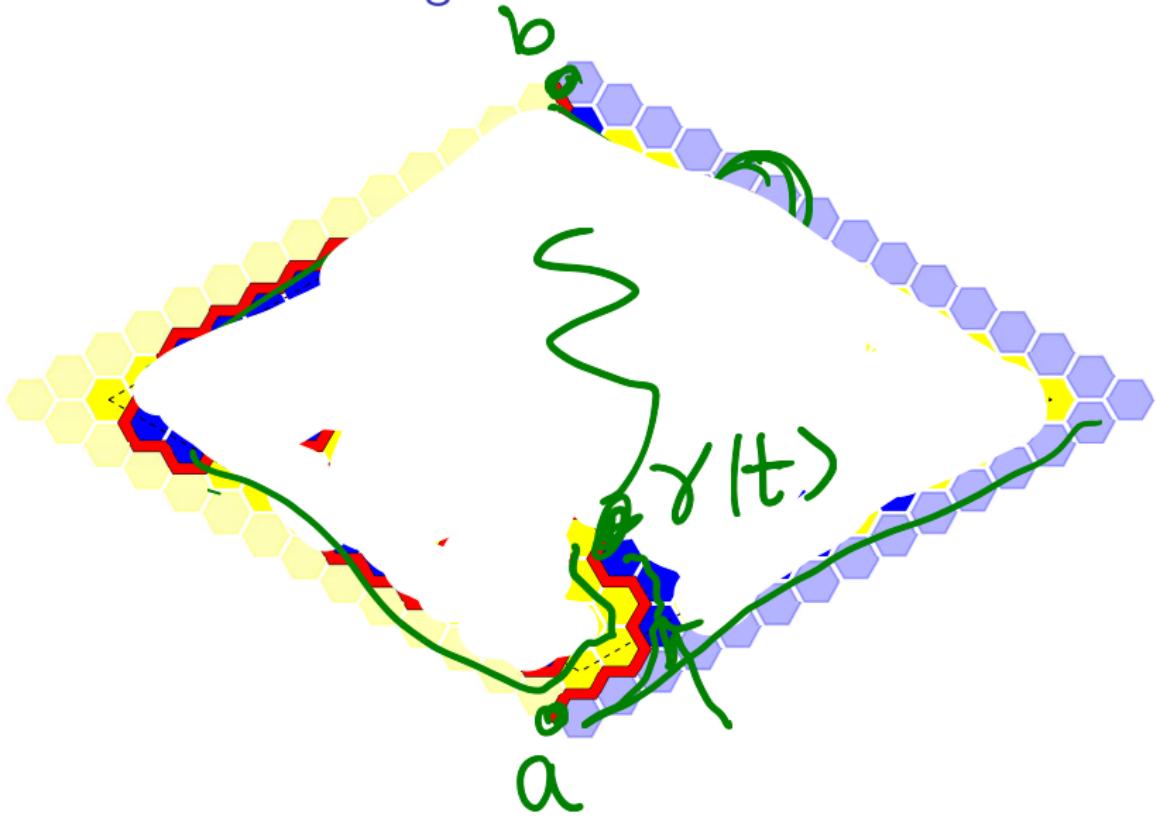
Relation to the crossing event?



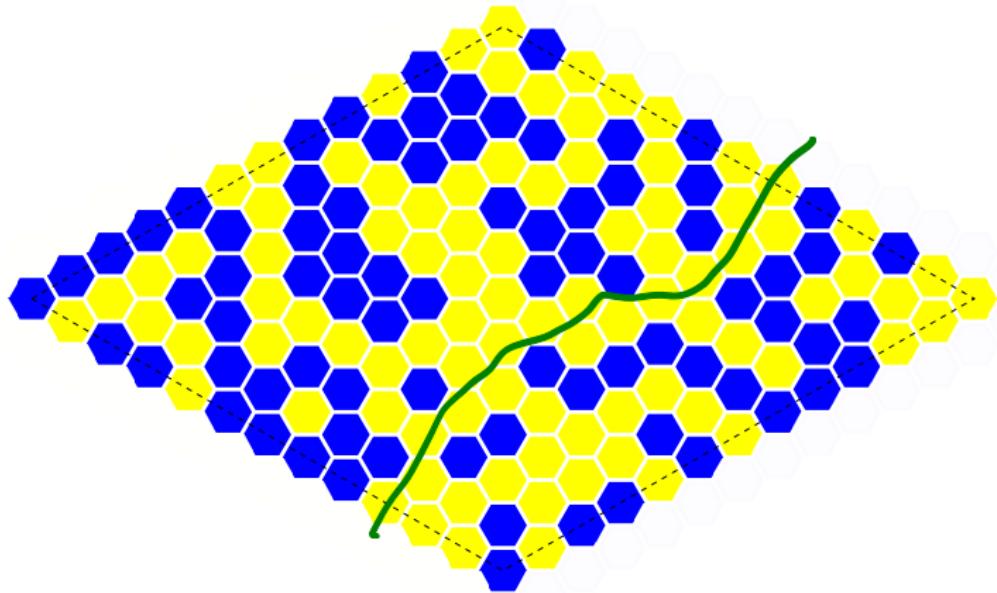
Relation to the crossing event?



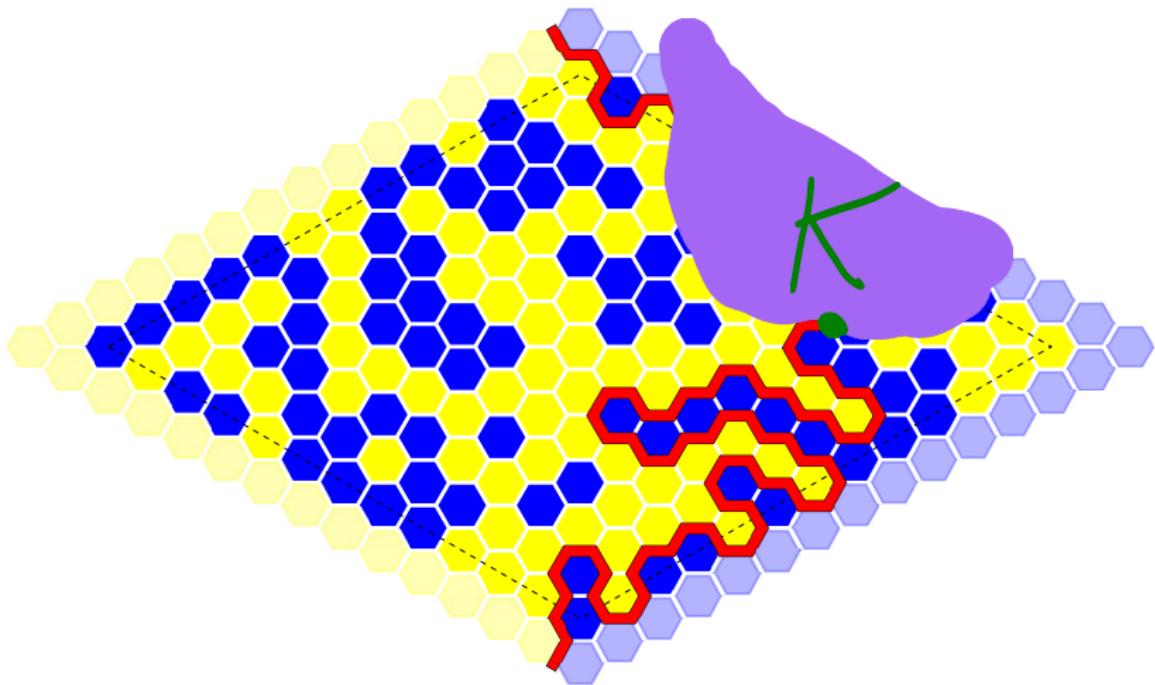
Relation to the crossing event?



Relation to the crossing event?

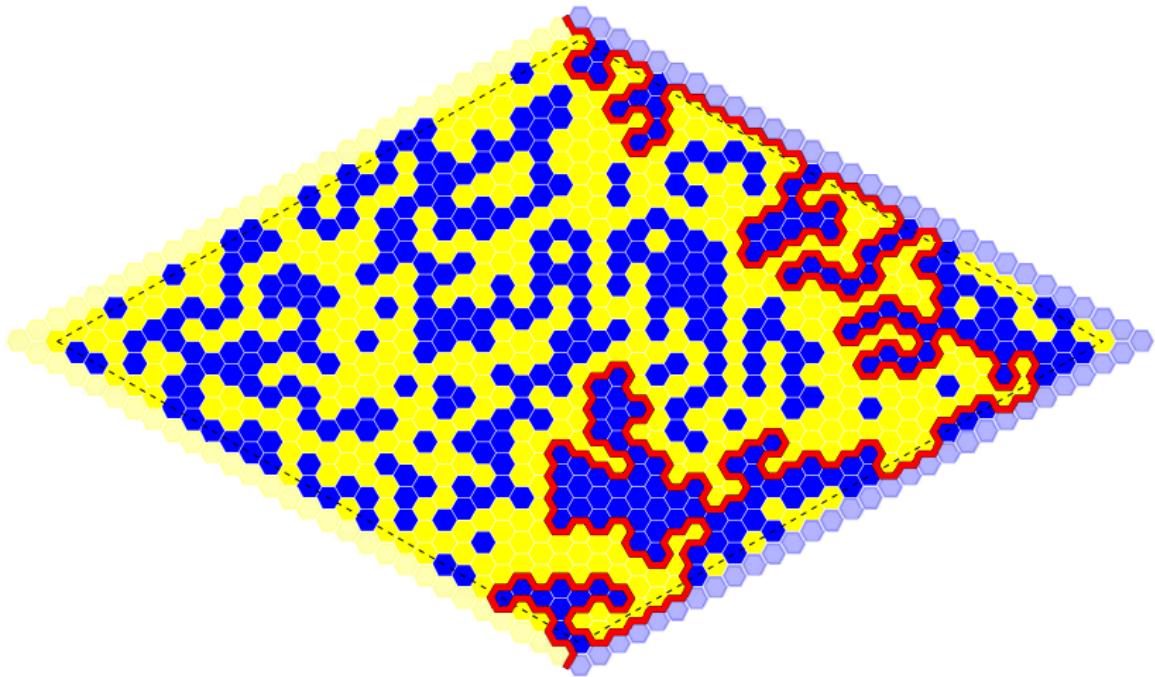


Relation to the crossing event?

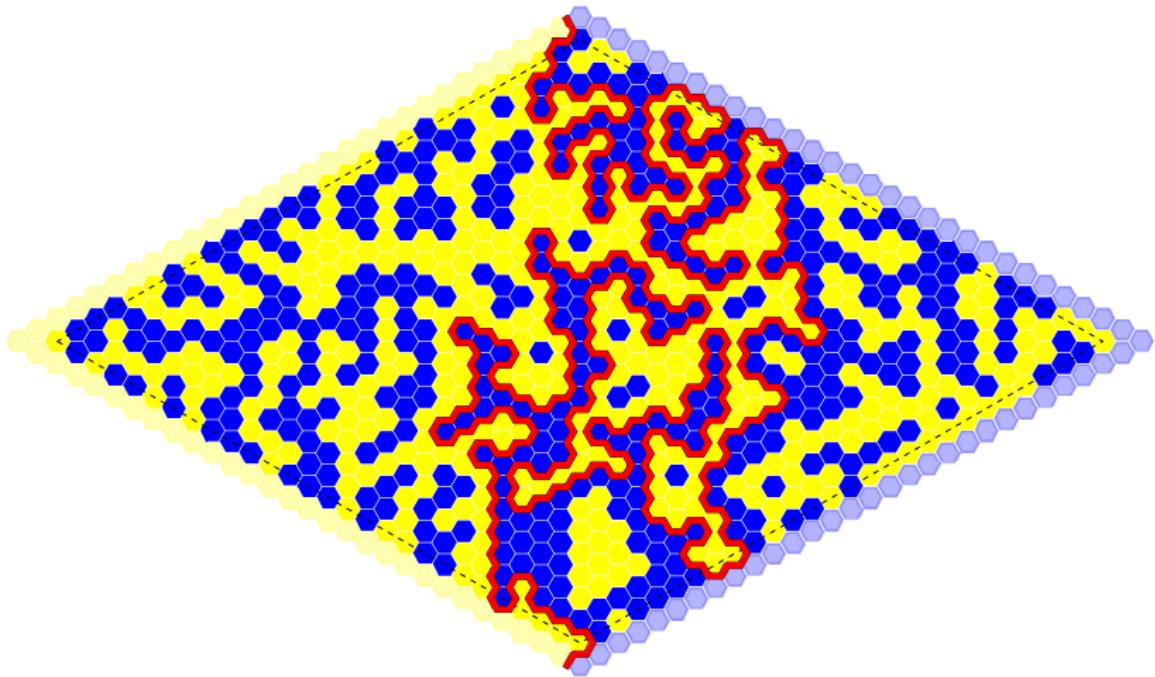


Take scaling limit

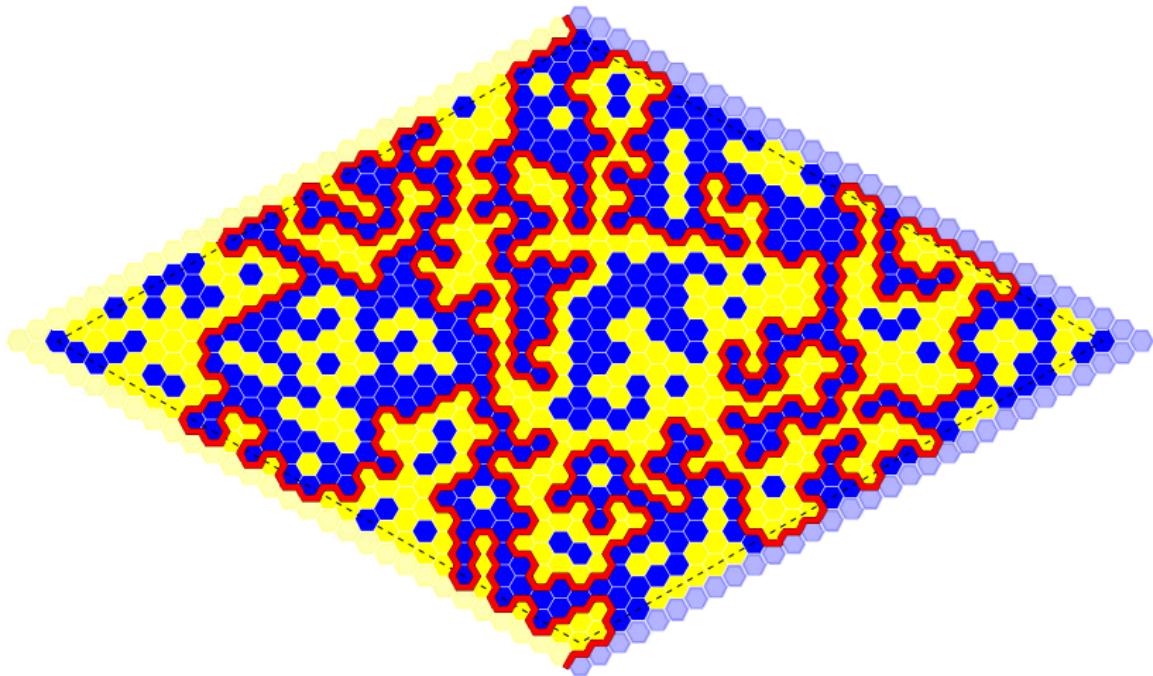
Take scaling limit



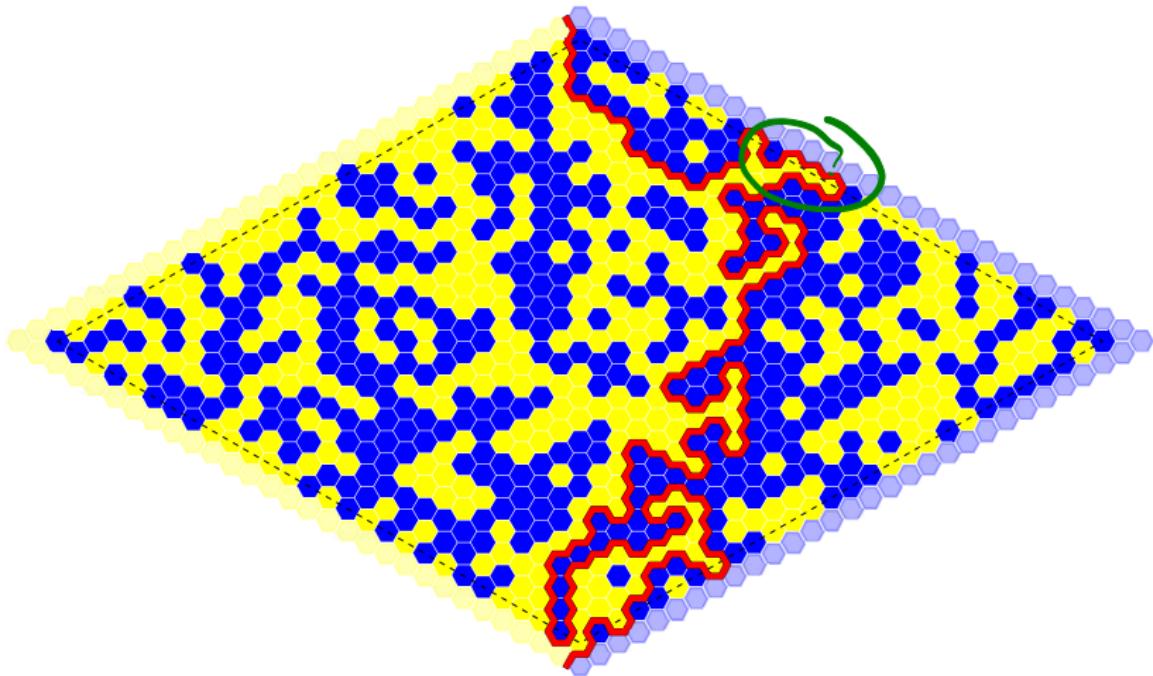
Take scaling limit



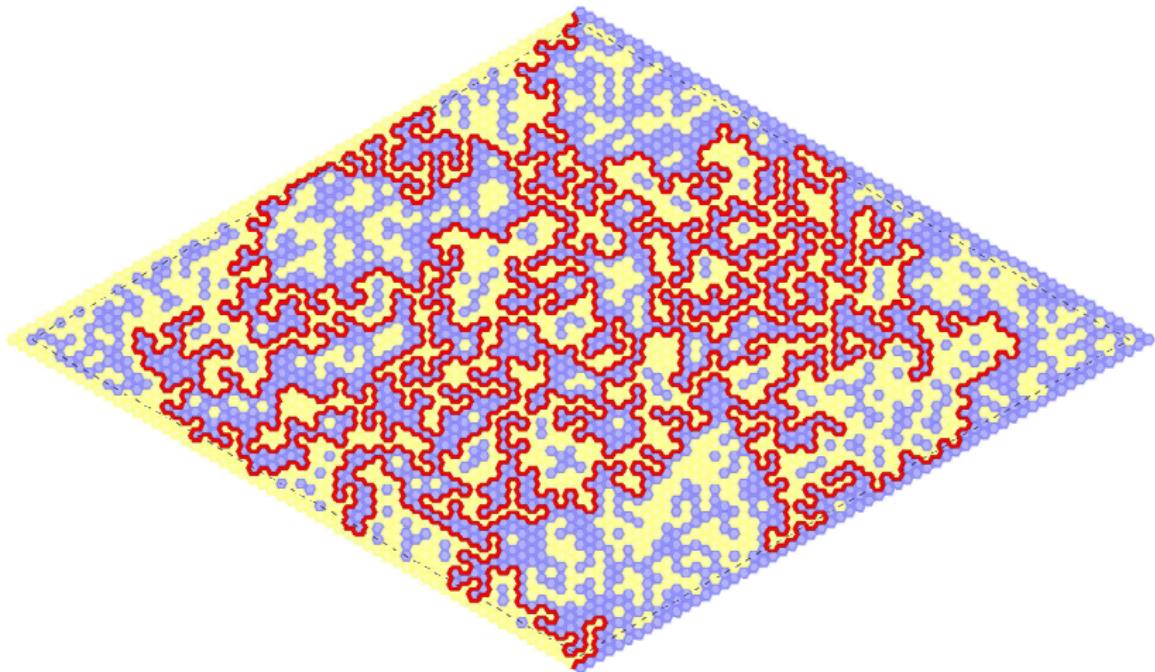
Take scaling limit



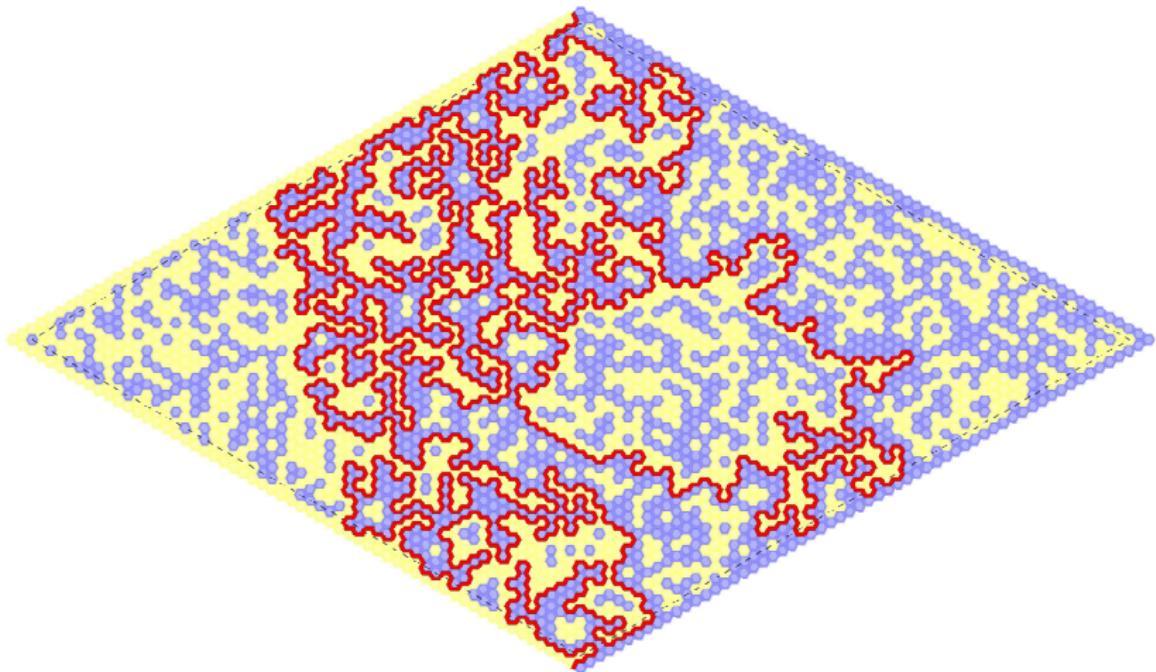
Take scaling limit



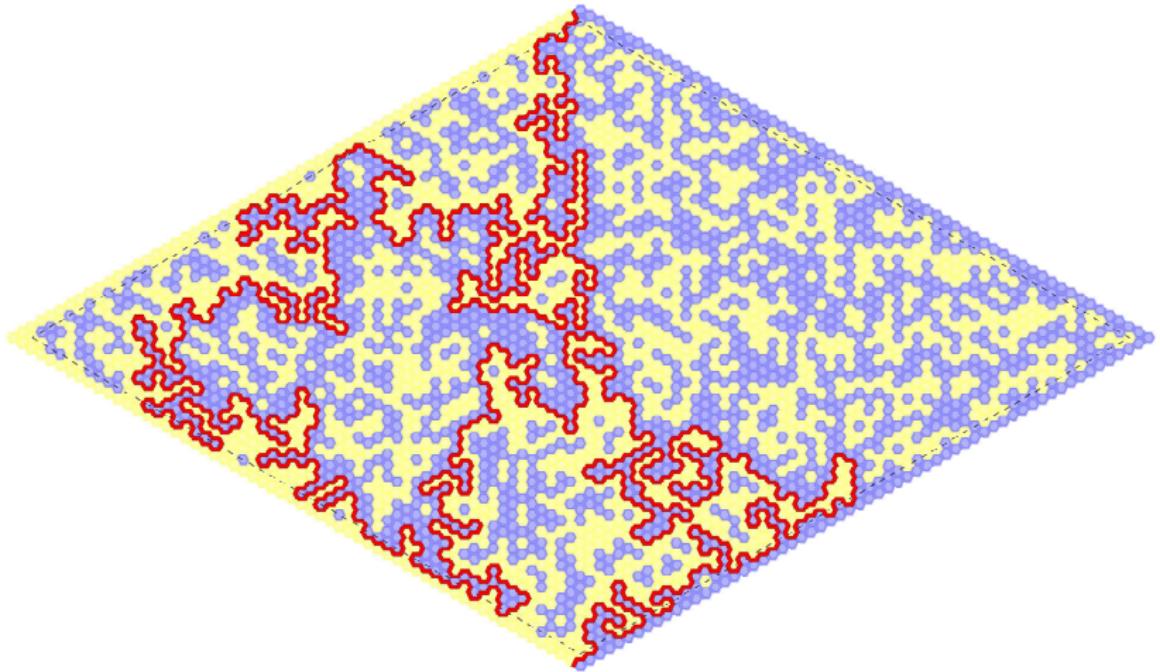
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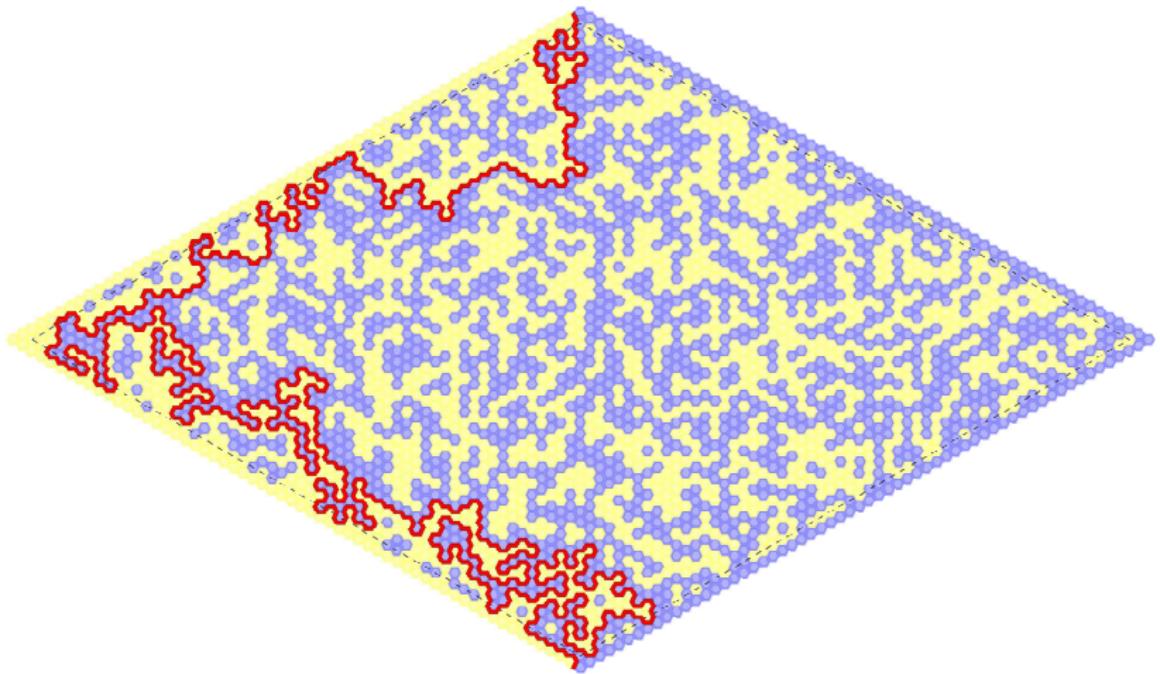
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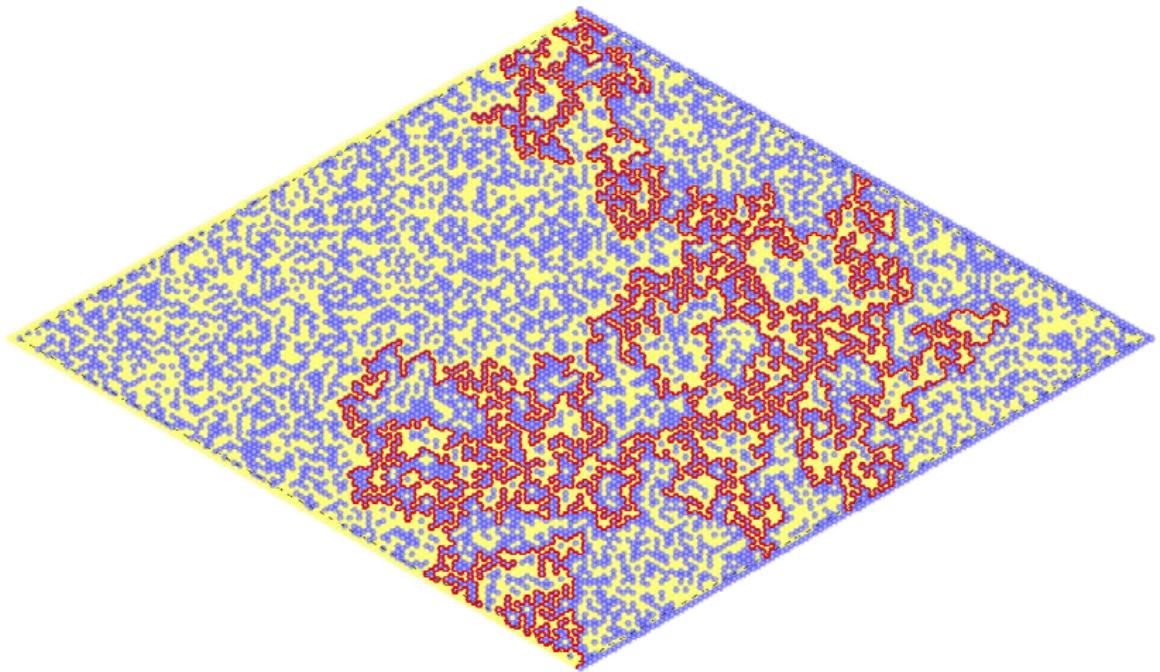
Take scaling limit



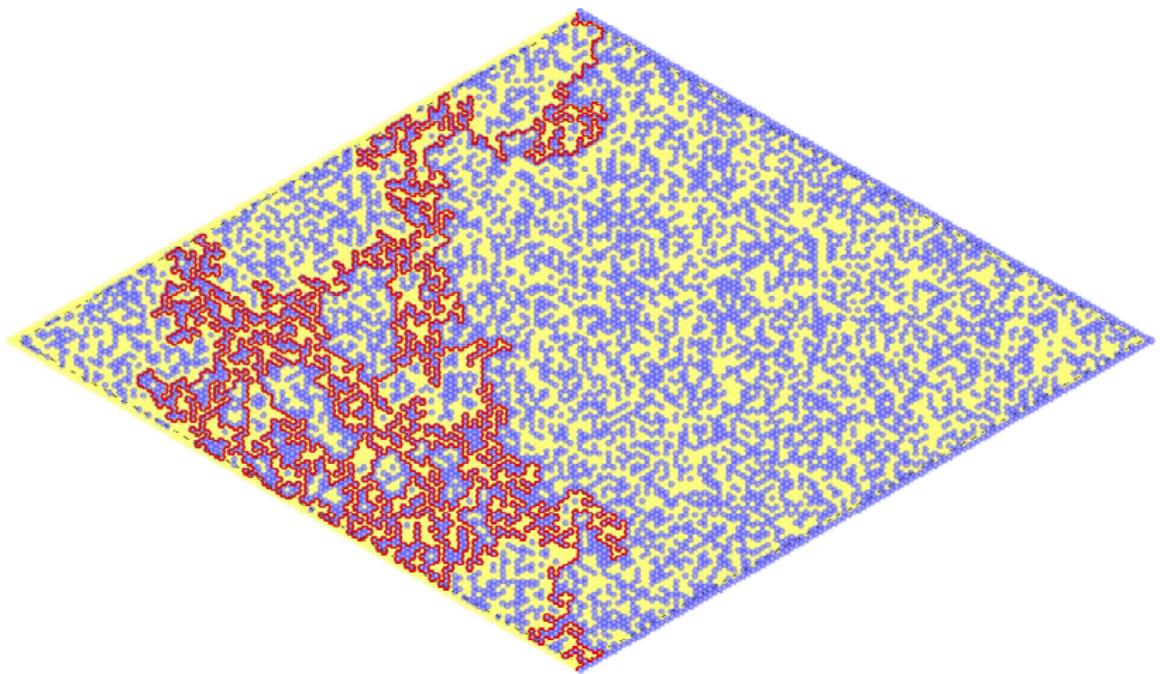
Take scaling limit



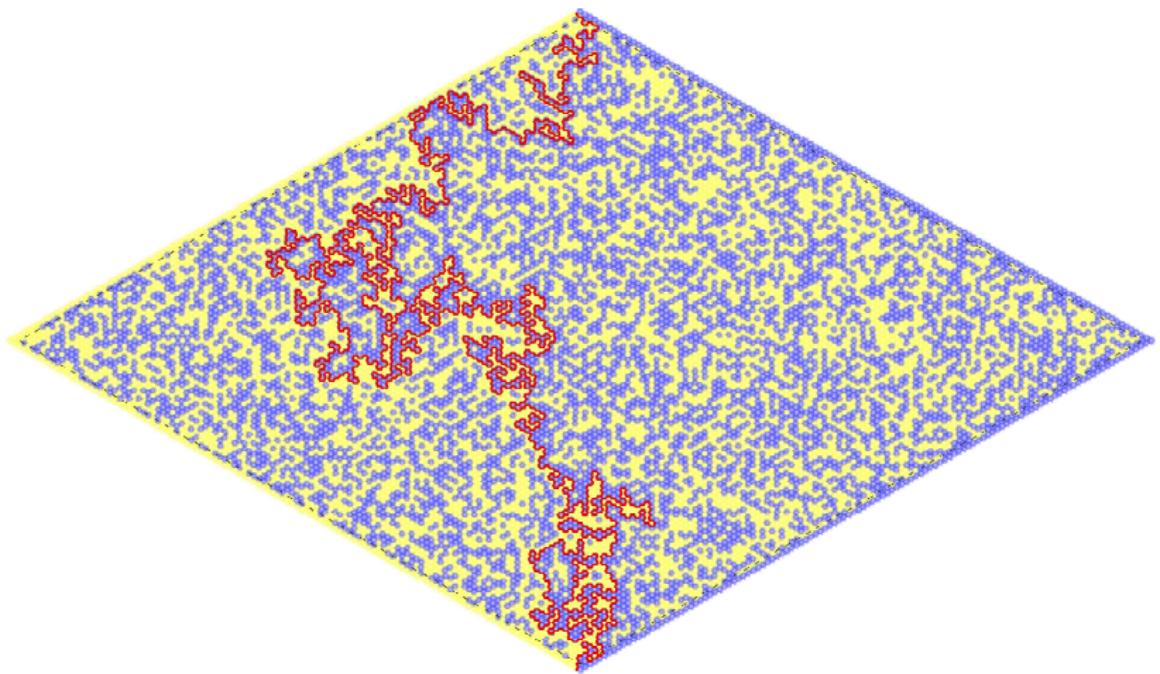
Take scaling limit



Take scaling limit



Take scaling limit



Take scaling limit

