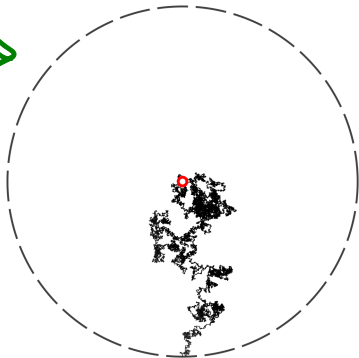
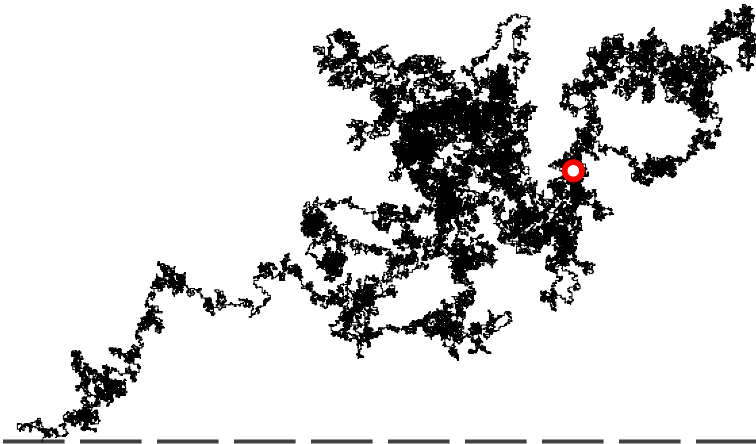


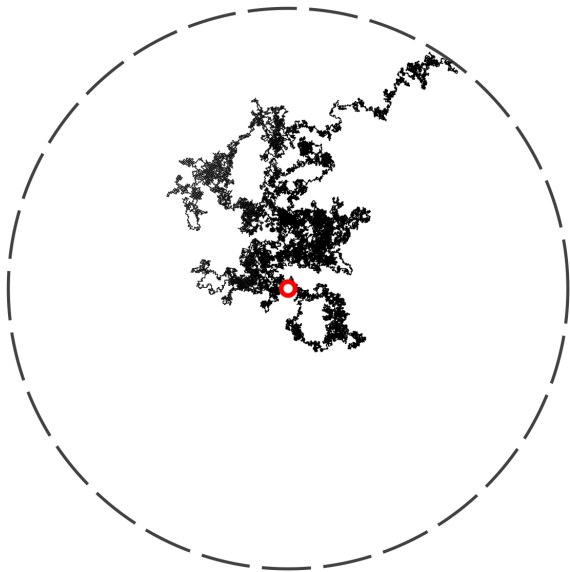
$$H = \{(x, y) : y > 0\}$$

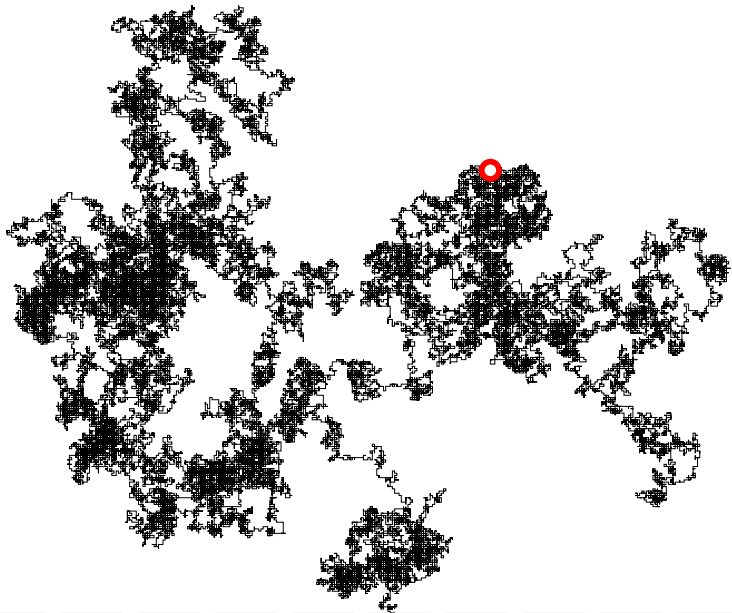


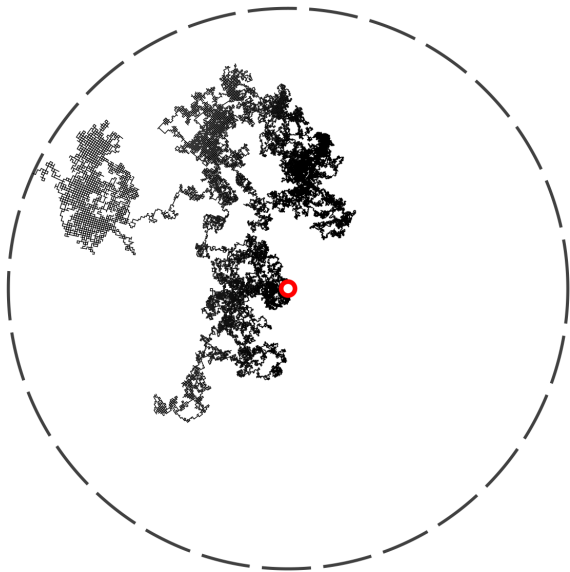
$$T: \mathbb{H} \rightarrow \mathbb{D} = \{z : |z| < 1\}$$











Schramm (stochastic)-Loewner evolution SLE_{κ}

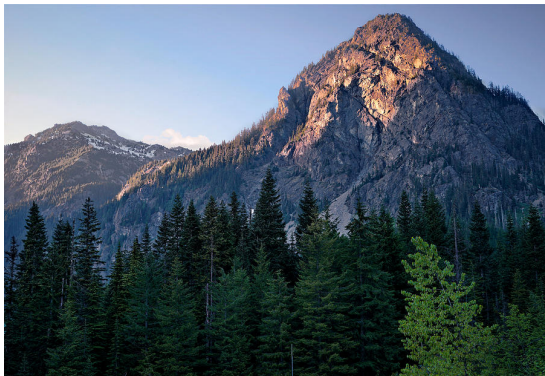


Oded Schramm (1961-2008)



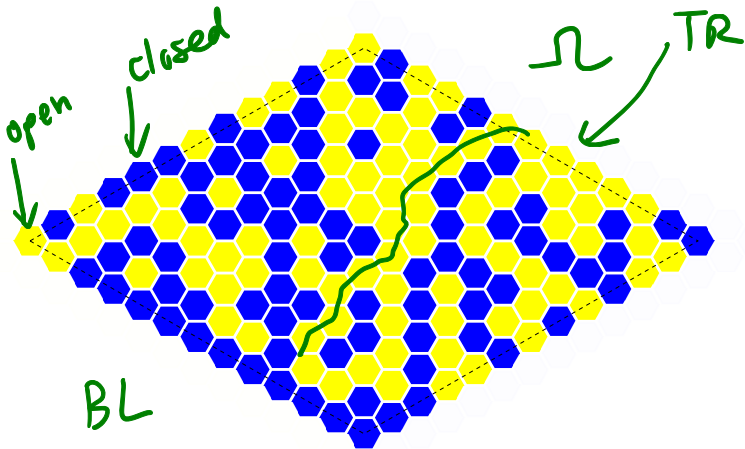
Charles Loewner (1893-1968)

Schramm (stochastic)-Loewner evolution SLE_{κ}



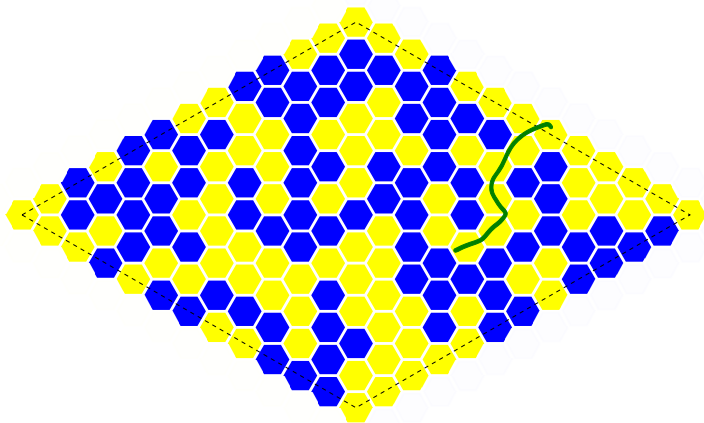
Guye Peak (North Cascade Mountains, near Seattle)

Critical percolation on hexagonal lattice

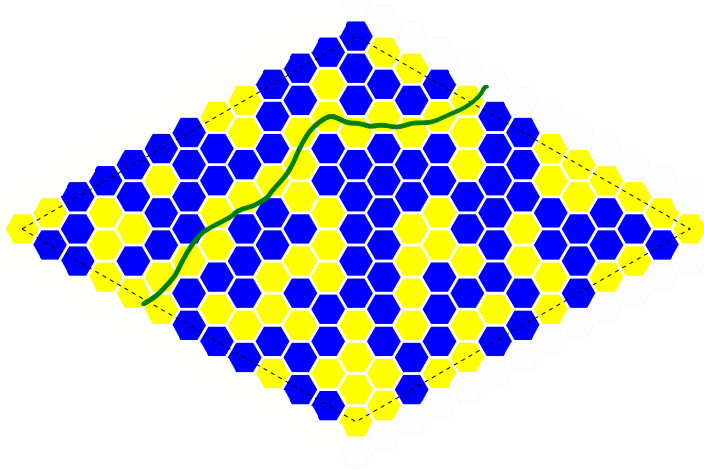


$$C = \{ \exists \text{ open path from TR to BL} \}$$

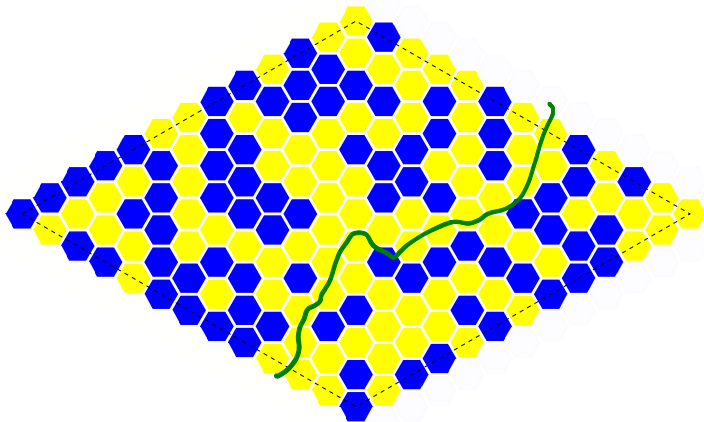
Critical percolation on hexagonal lattice



Critical percolation on hexagonal lattice

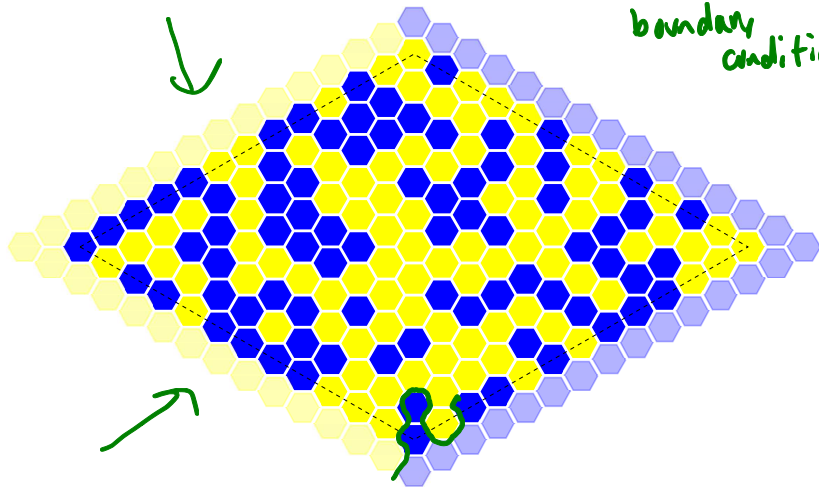


Critical percolation on hexagonal lattice

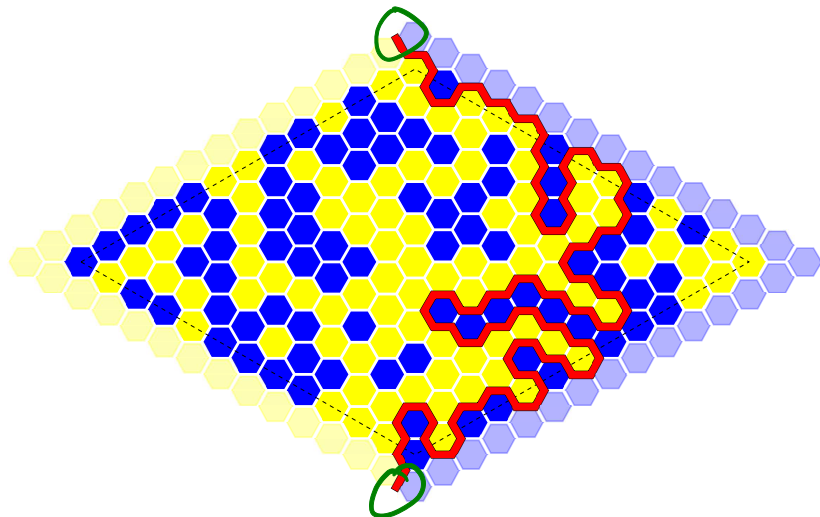


Critical percolation on hexagonal lattice

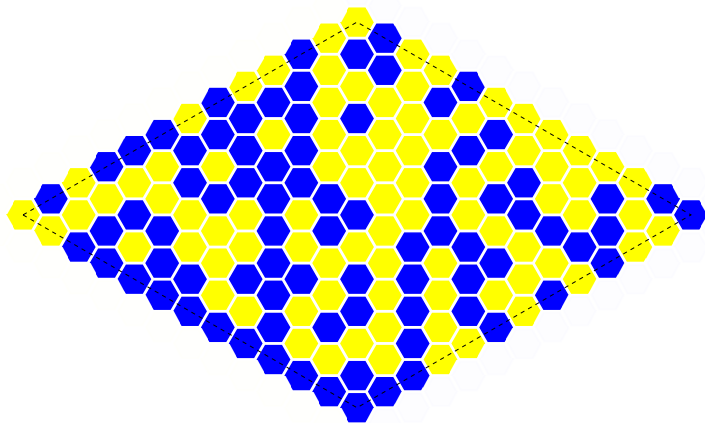
"Dobrushin
boundary
conditions"



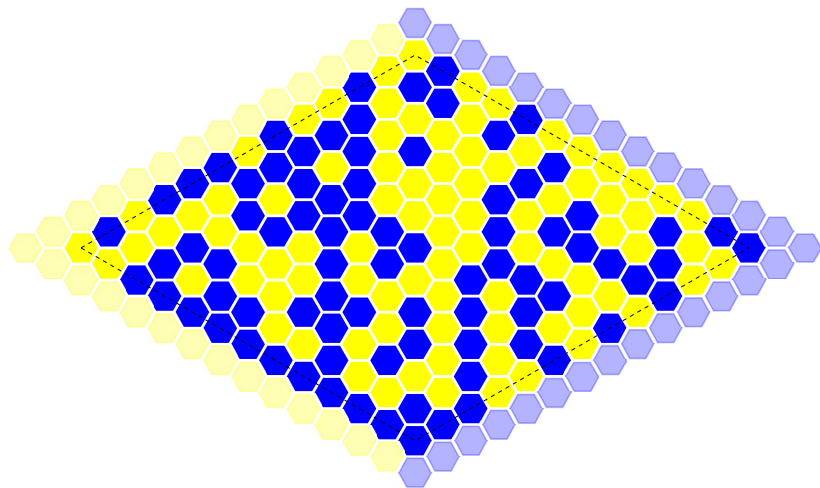
Critical percolation on hexagonal lattice



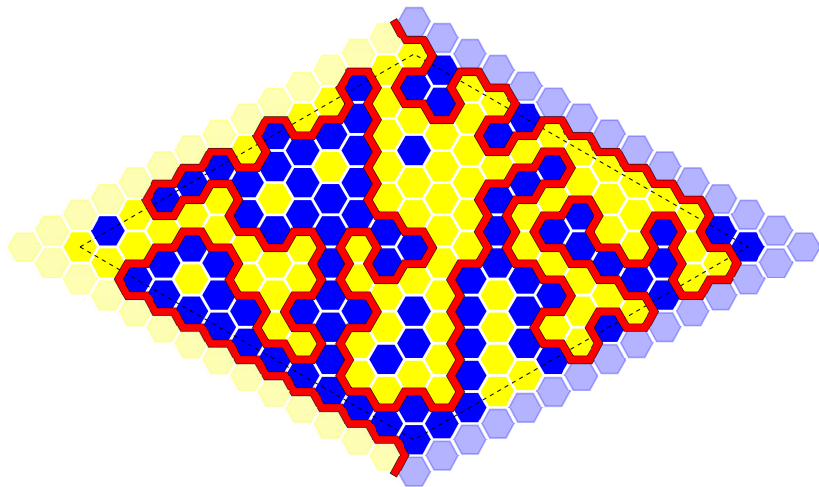
Critical percolation on hexagonal lattice



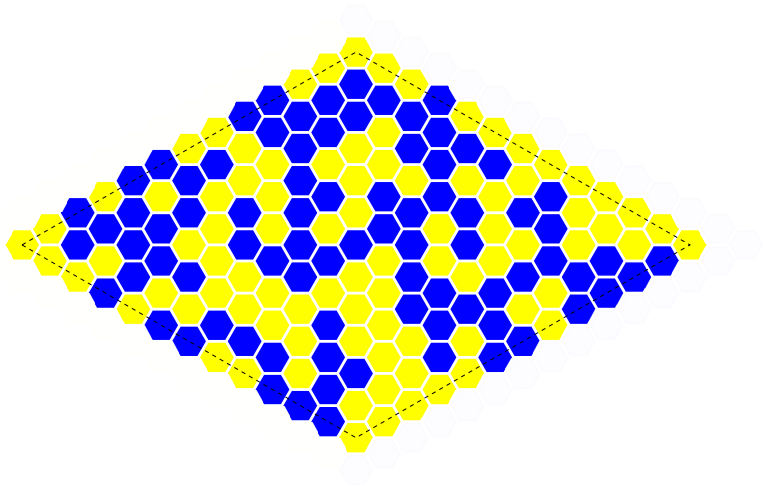
Critical percolation on hexagonal lattice



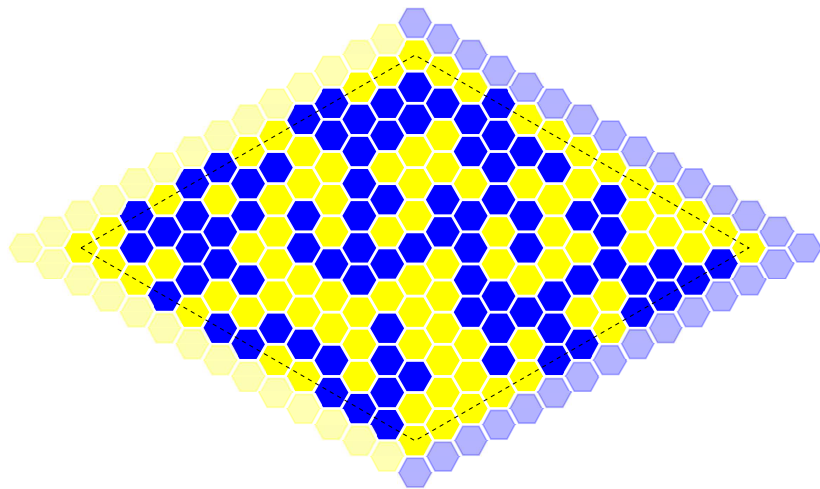
Critical percolation on hexagonal lattice



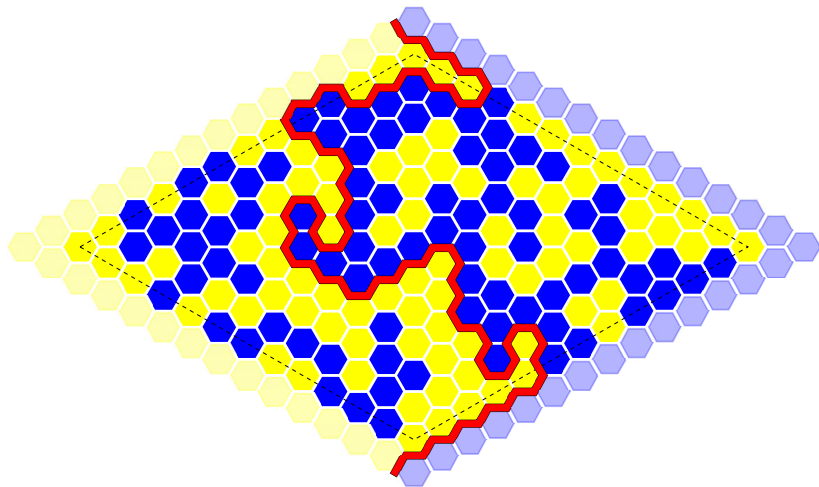
Critical percolation on hexagonal lattice



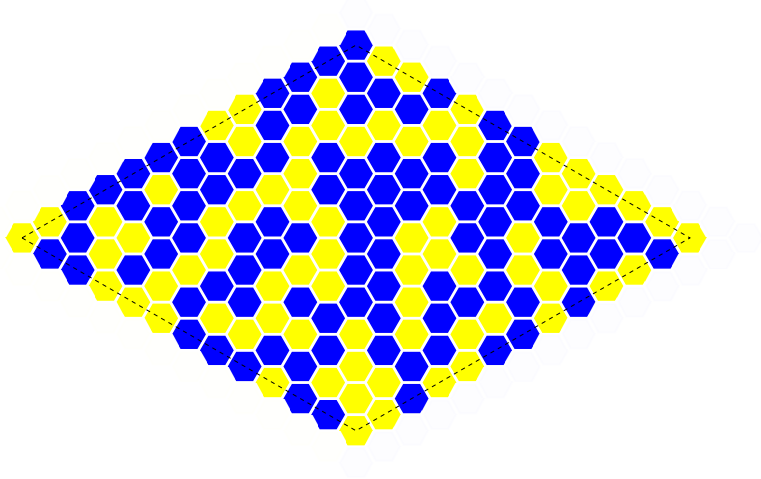
Critical percolation on hexagonal lattice



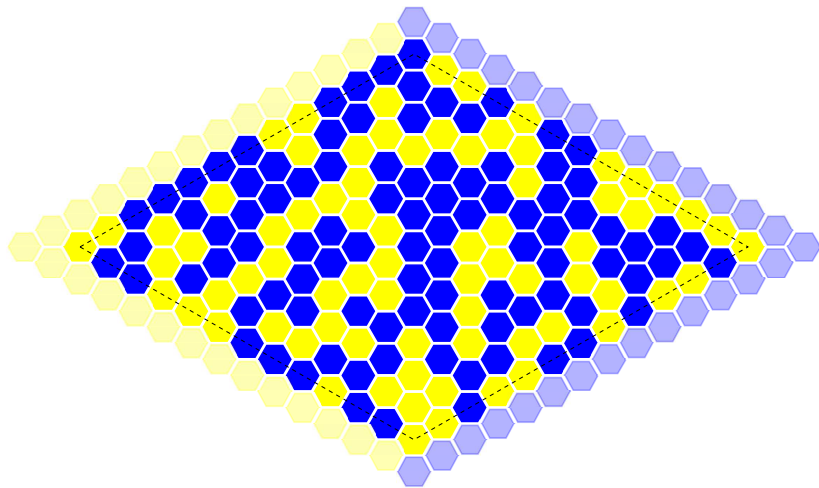
Critical percolation on hexagonal lattice



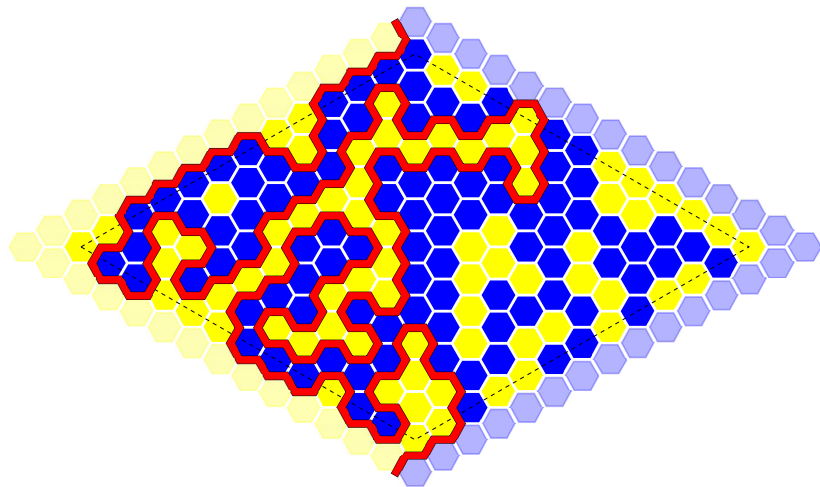
Critical percolation on hexagonal lattice



Critical percolation on hexagonal lattice

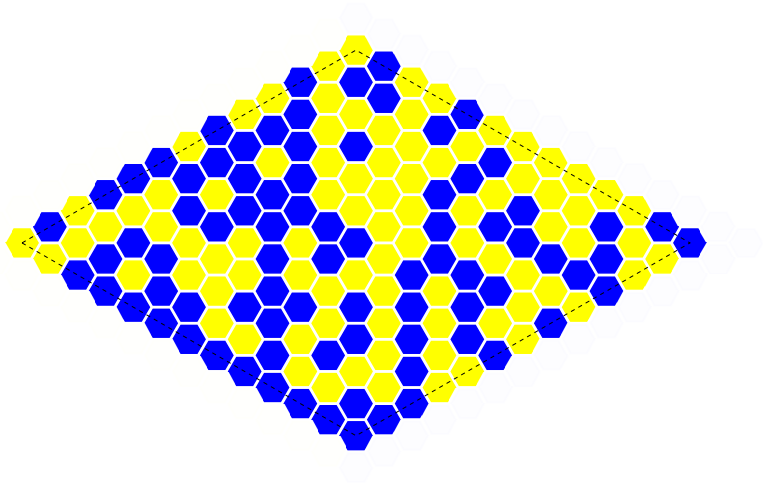


Critical percolation on hexagonal lattice

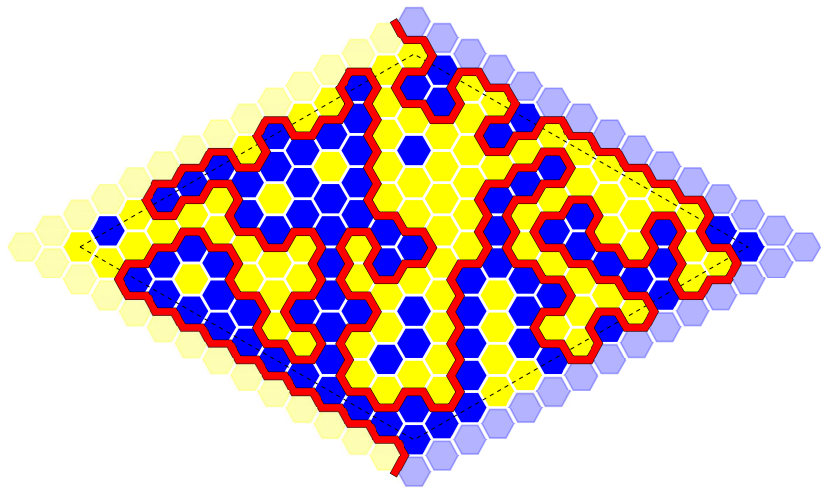


Relation to the crossing event?

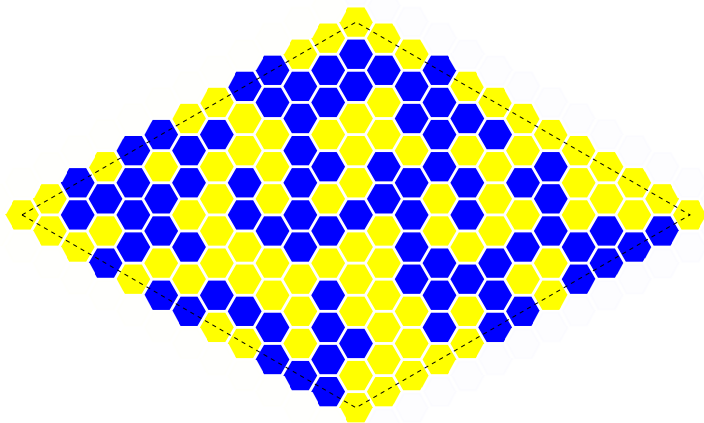
Relation to the crossing event?



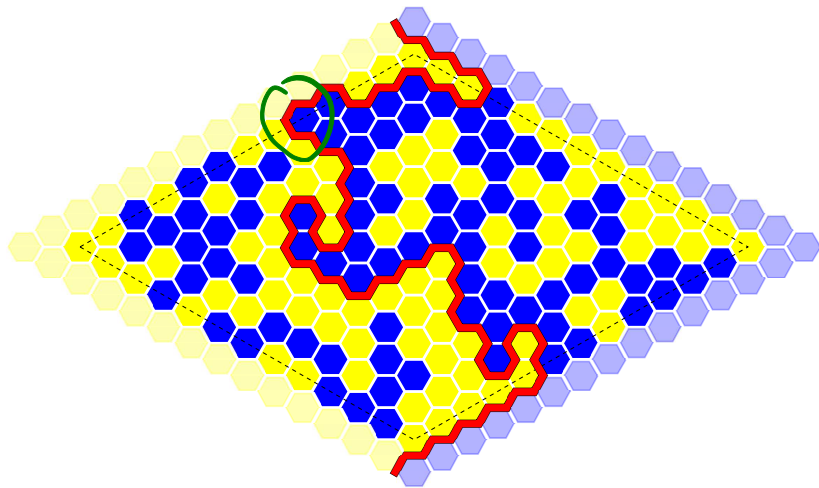
Relation to the crossing event?



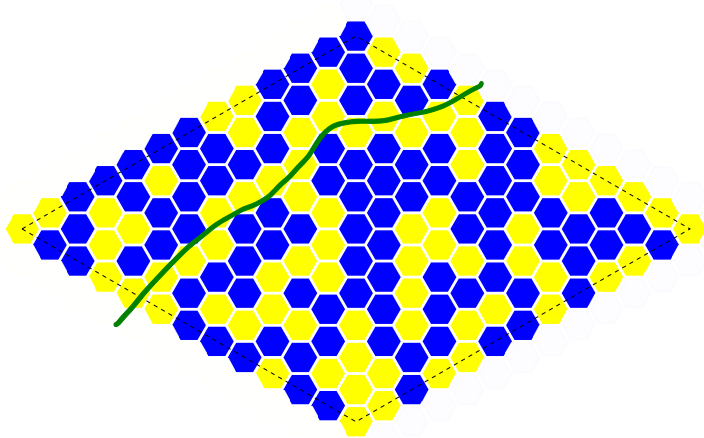
Relation to the crossing event?



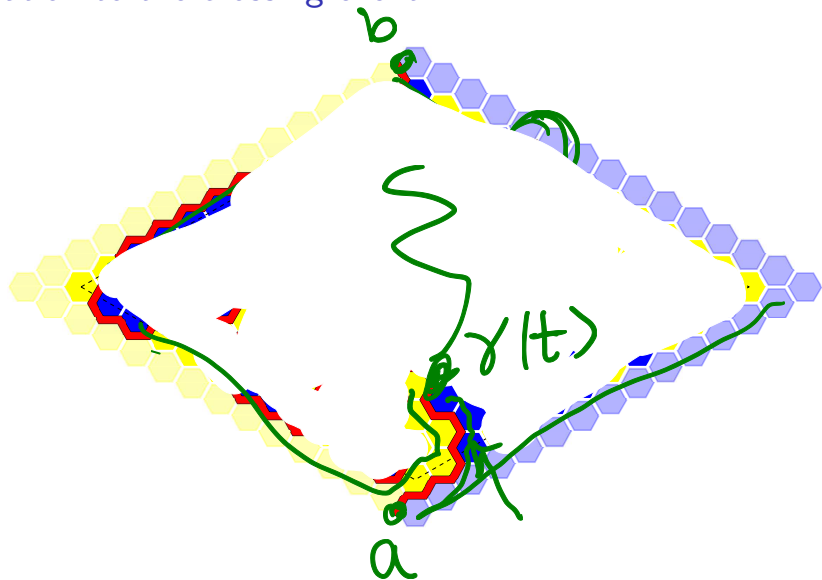
Relation to the crossing event?



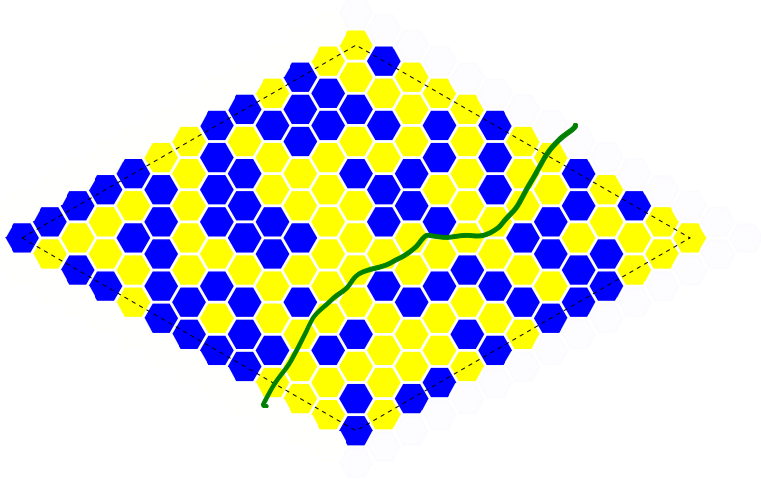
Relation to the crossing event?



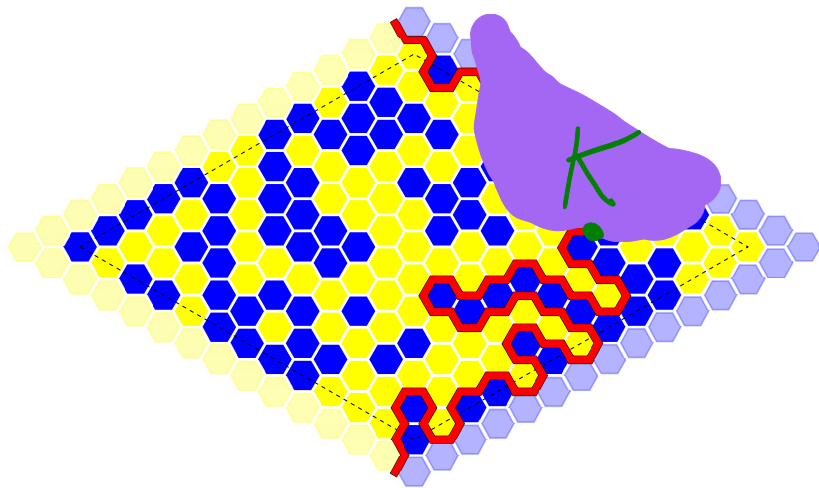
Relation to the crossing event?



Relation to the crossing event?

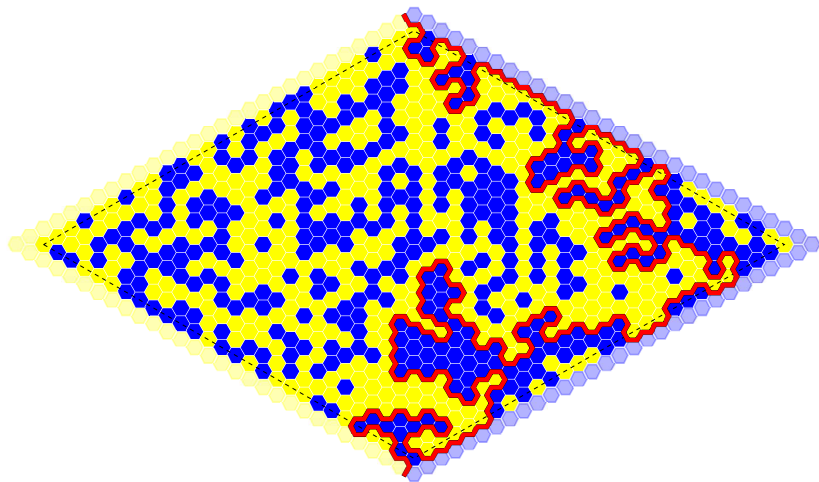


Relation to the crossing event?

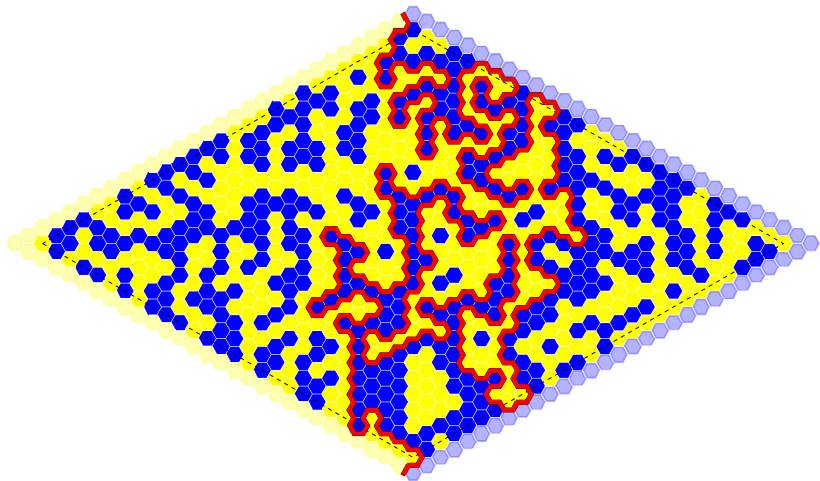


Take scaling limit

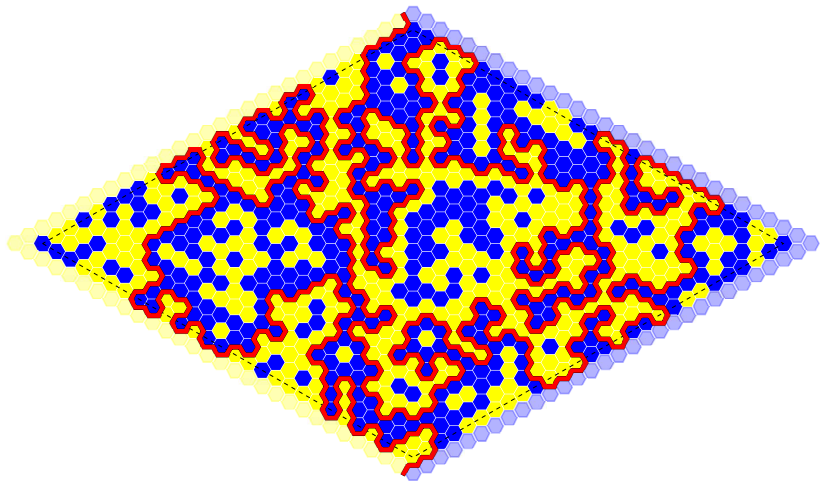
Take scaling limit



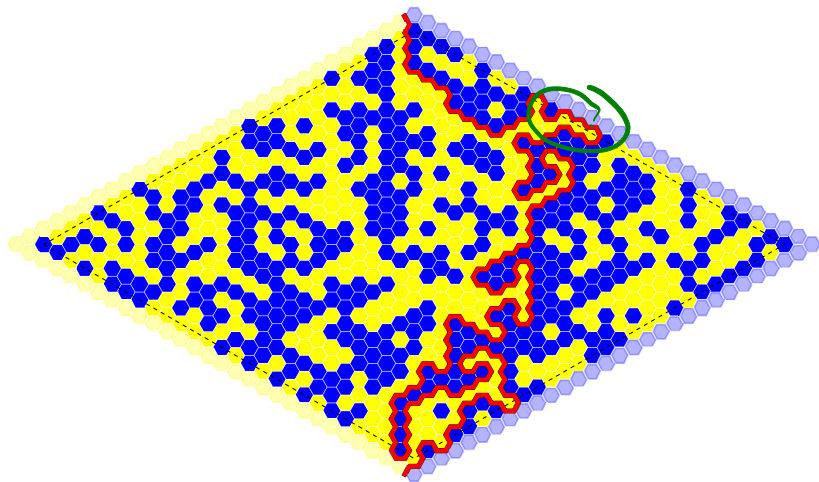
Take scaling limit



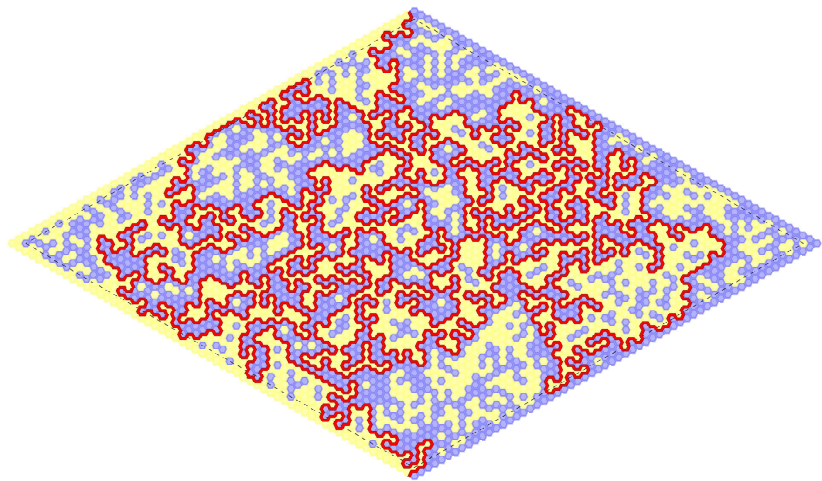
Take scaling limit



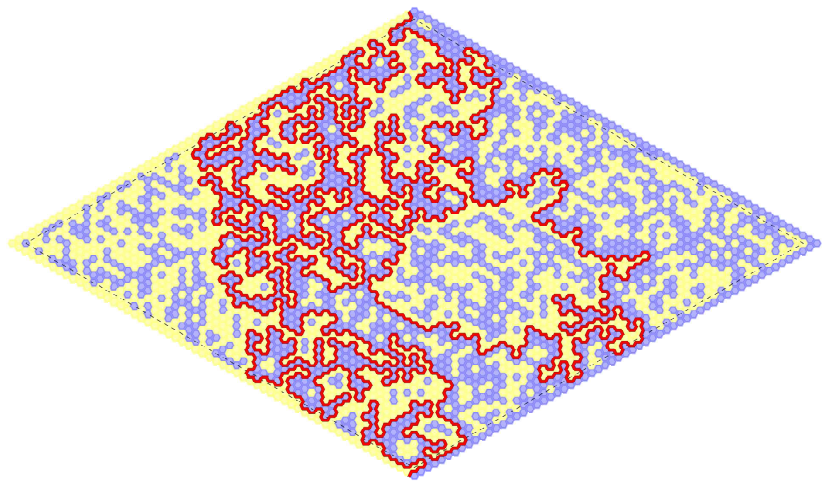
Take scaling limit



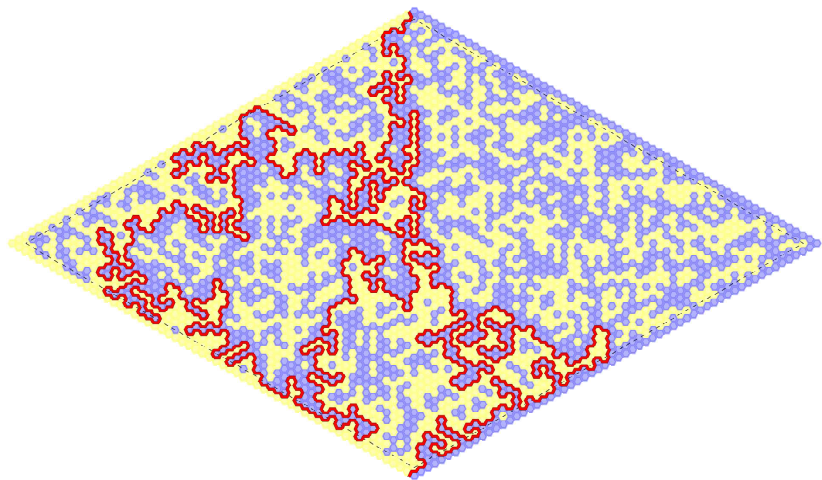
Take scaling limit



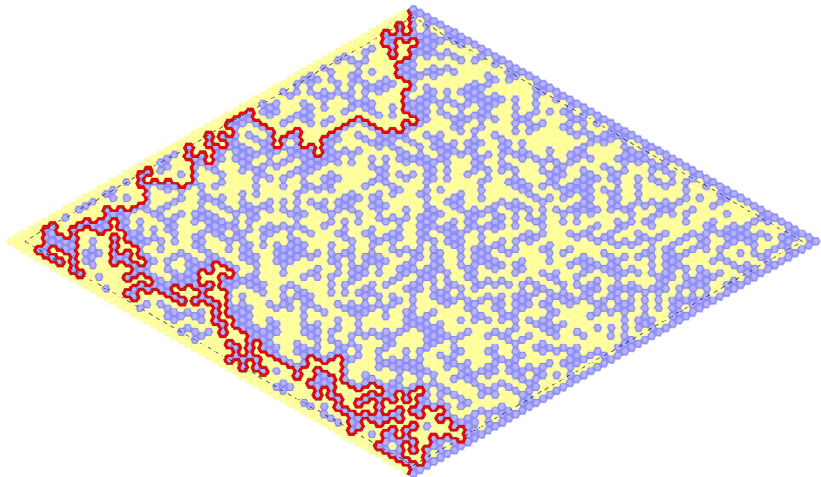
Take scaling limit



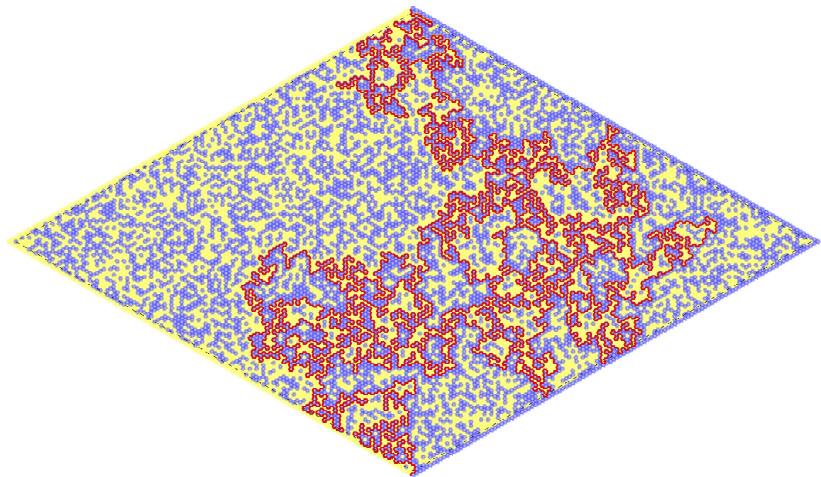
Take scaling limit



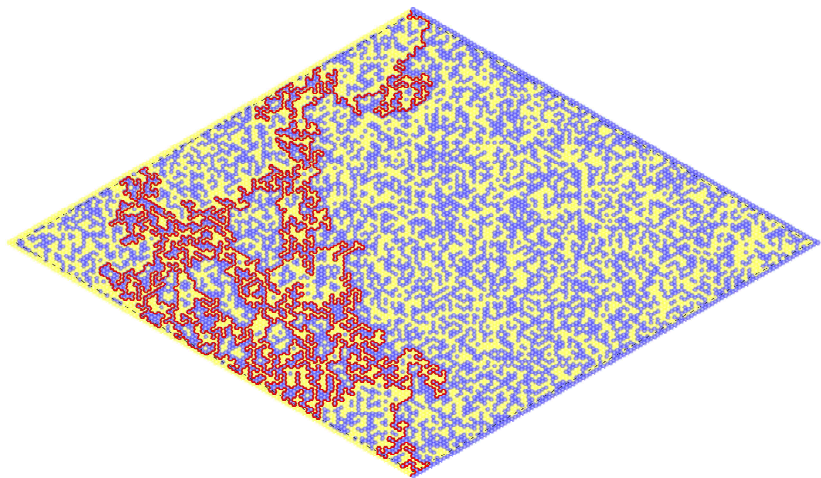
Take scaling limit



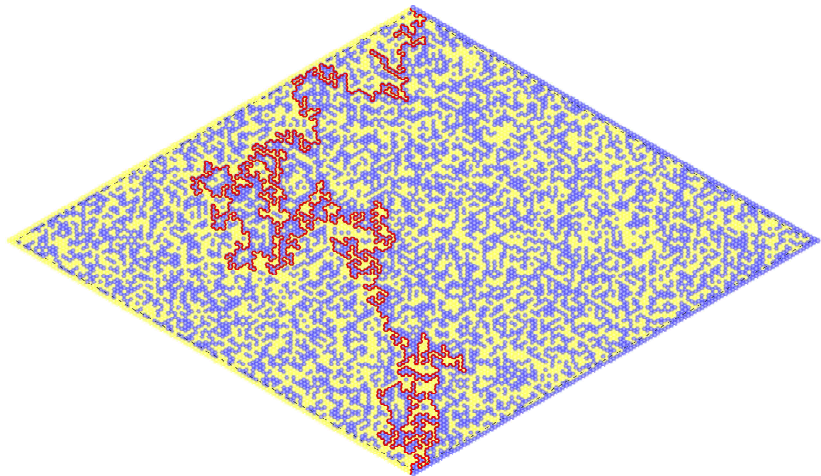
Take scaling limit



Take scaling limit



Take scaling limit



Take scaling limit

