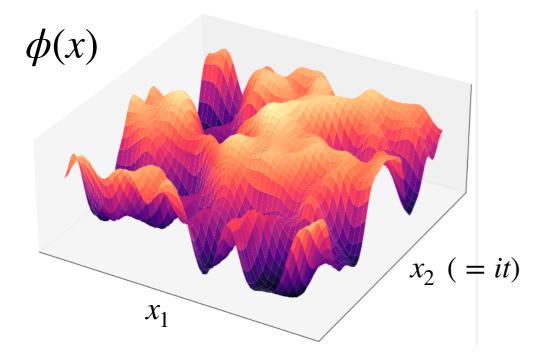
## Lattice Quantum Field Theory

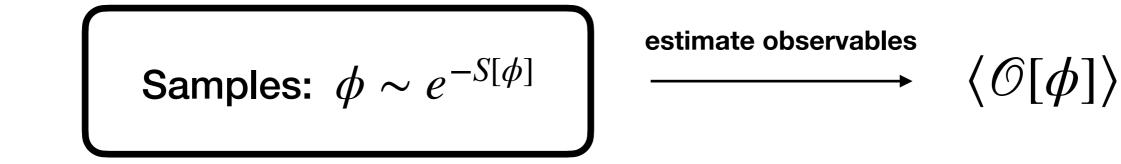
as a sampling problem



(Euclidean) action

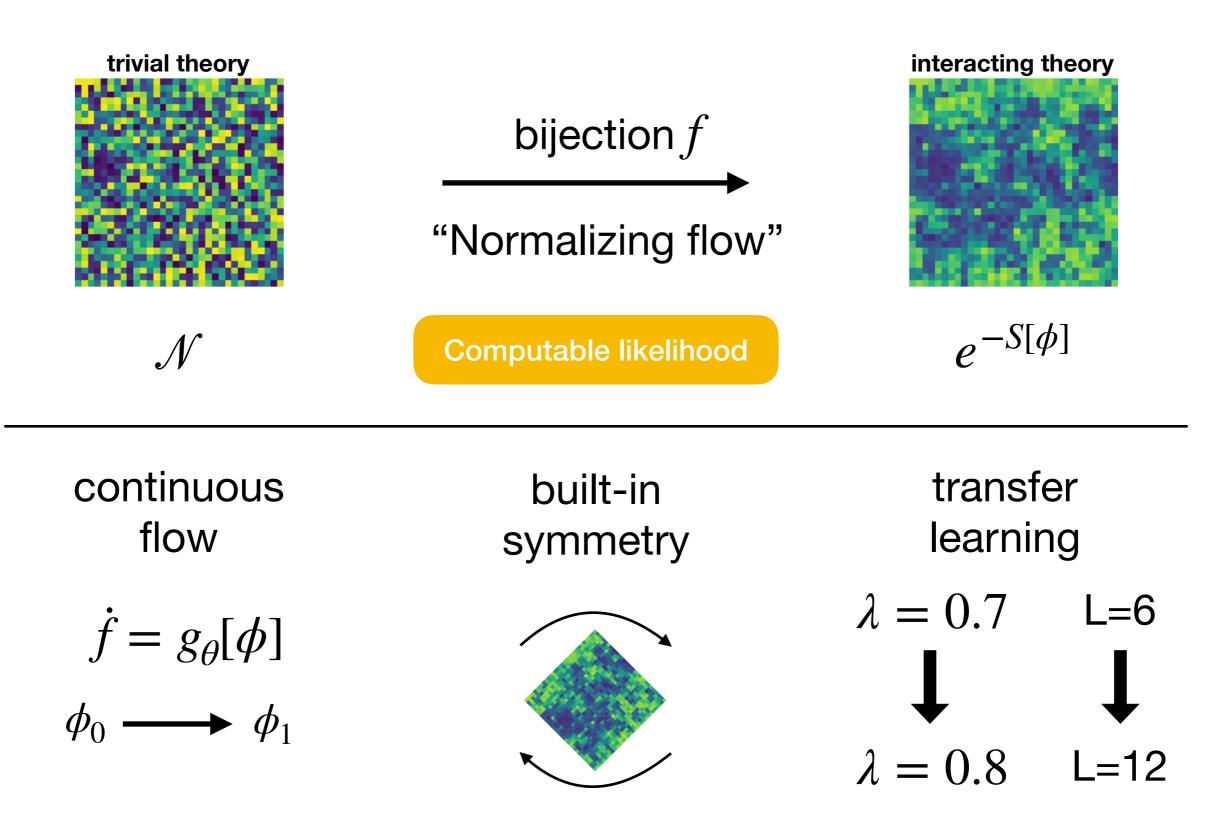
$$S[\phi] = \int d^D x \, \frac{1}{2} \left( (\partial_\mu \phi)^2 + m^2 \phi^2 \right) + \lambda \phi^4$$

$$p(\phi) \propto e^{-S[\phi]}$$



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## Generative models



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