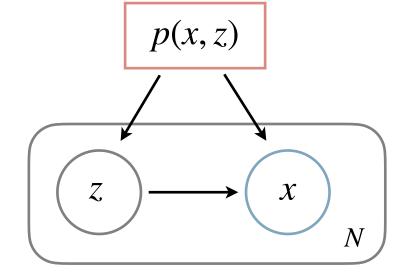
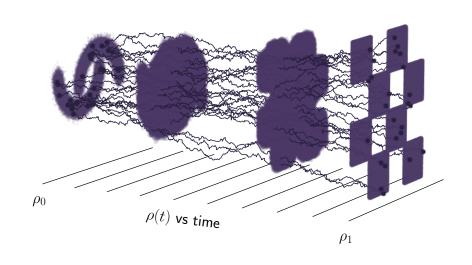
Dutline





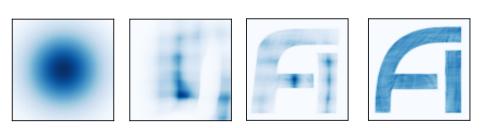
Variational auto encoders

Latent-variable modeling, and compression is all you need



Diffusion models

Models based on iterative refinement



Normalizing flows (and some other models)

Invertible transformations

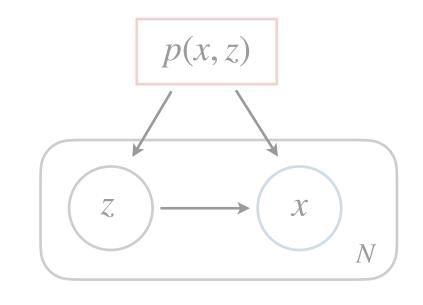
Why (deep) generative modeling? What is it, and what can it do for you?

Outline



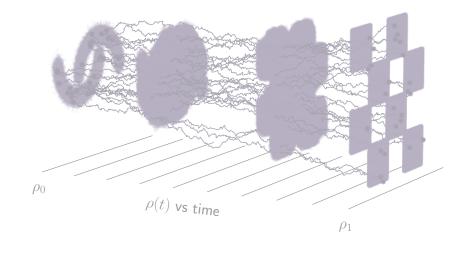


What is it, and what can it do for you?



Variational auto encoders

Latent-variable modeling, and compression is all you need



Diffusion models

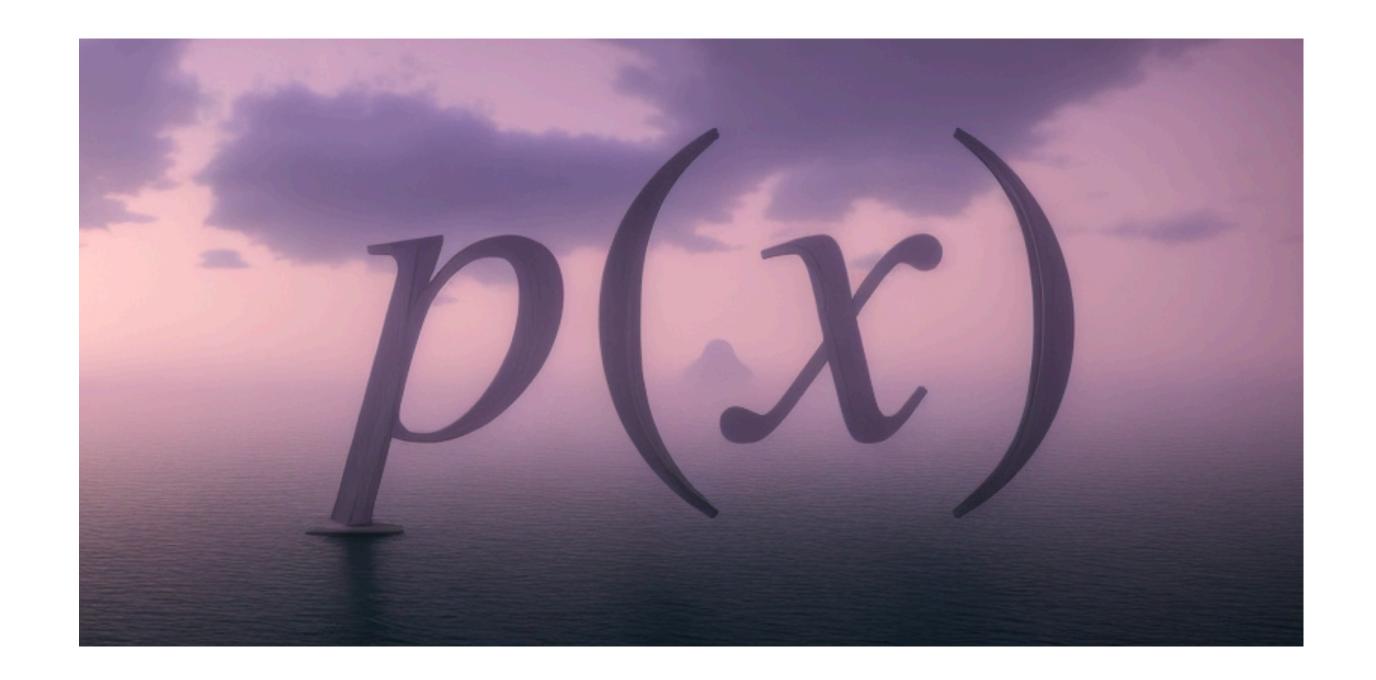
Models based on iterative refinement



Normalizing flows (and some other models)

Invertible transformations

The data distribution



We often work with data distributions in physics (modeled or empirical)