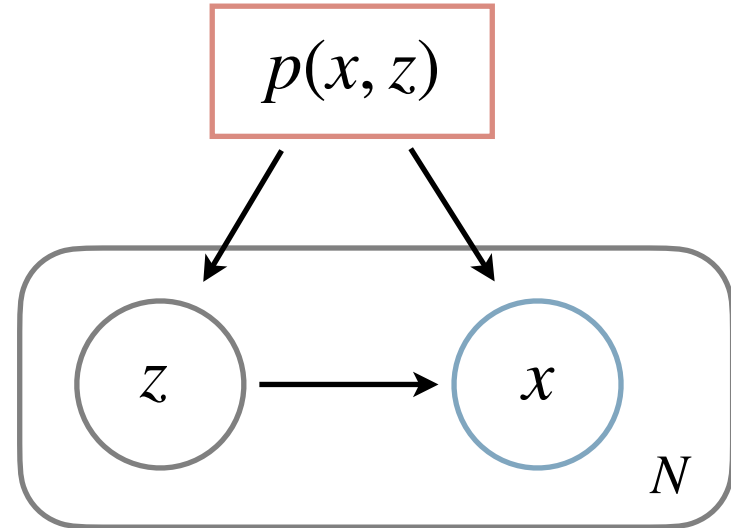


Outline

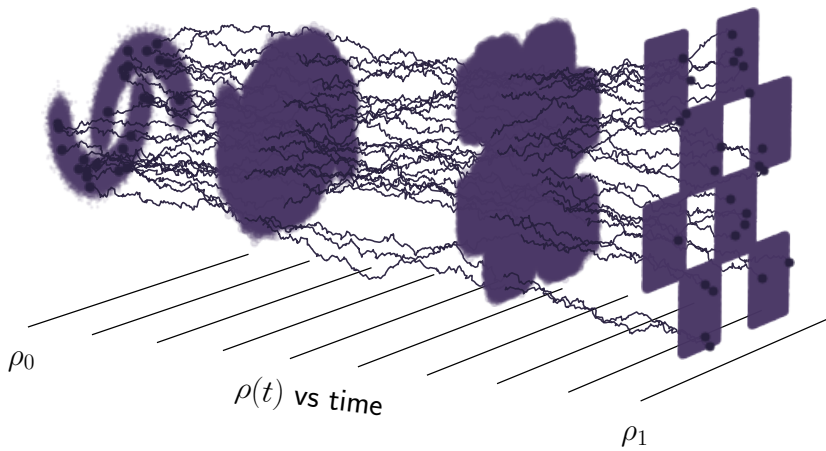


$p(x)$



Variational auto encoders

Latent-variable modeling, and compression is all you need



Diffusion models

Models based on iterative refinement



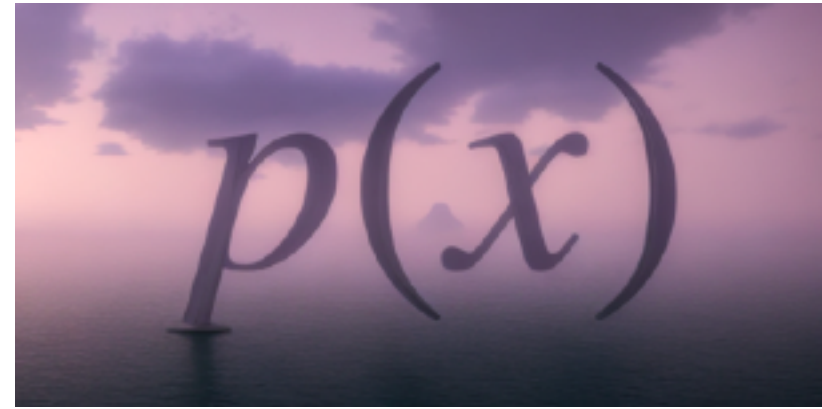
Normalizing flows (and some other models)

Invertible transformations

Why (deep) generative modeling?

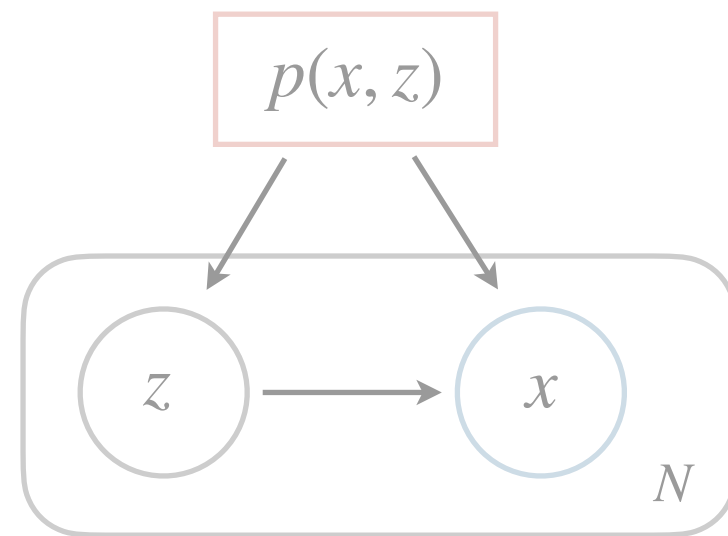
What is it, and what can it do for you?

Outline



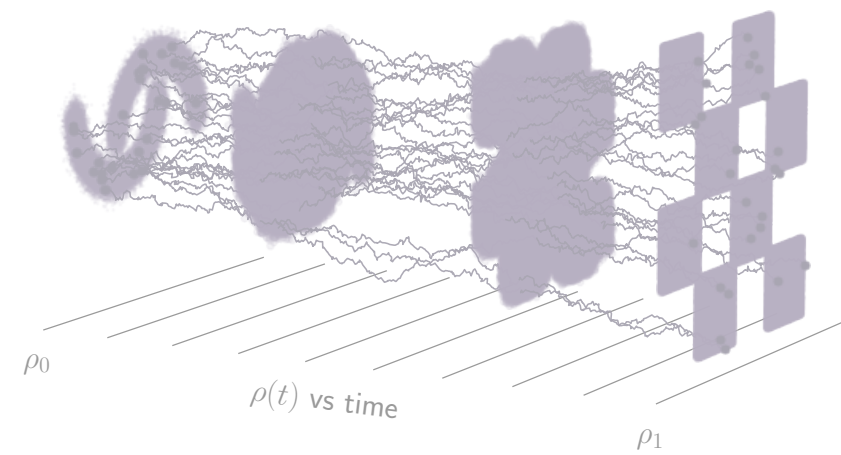
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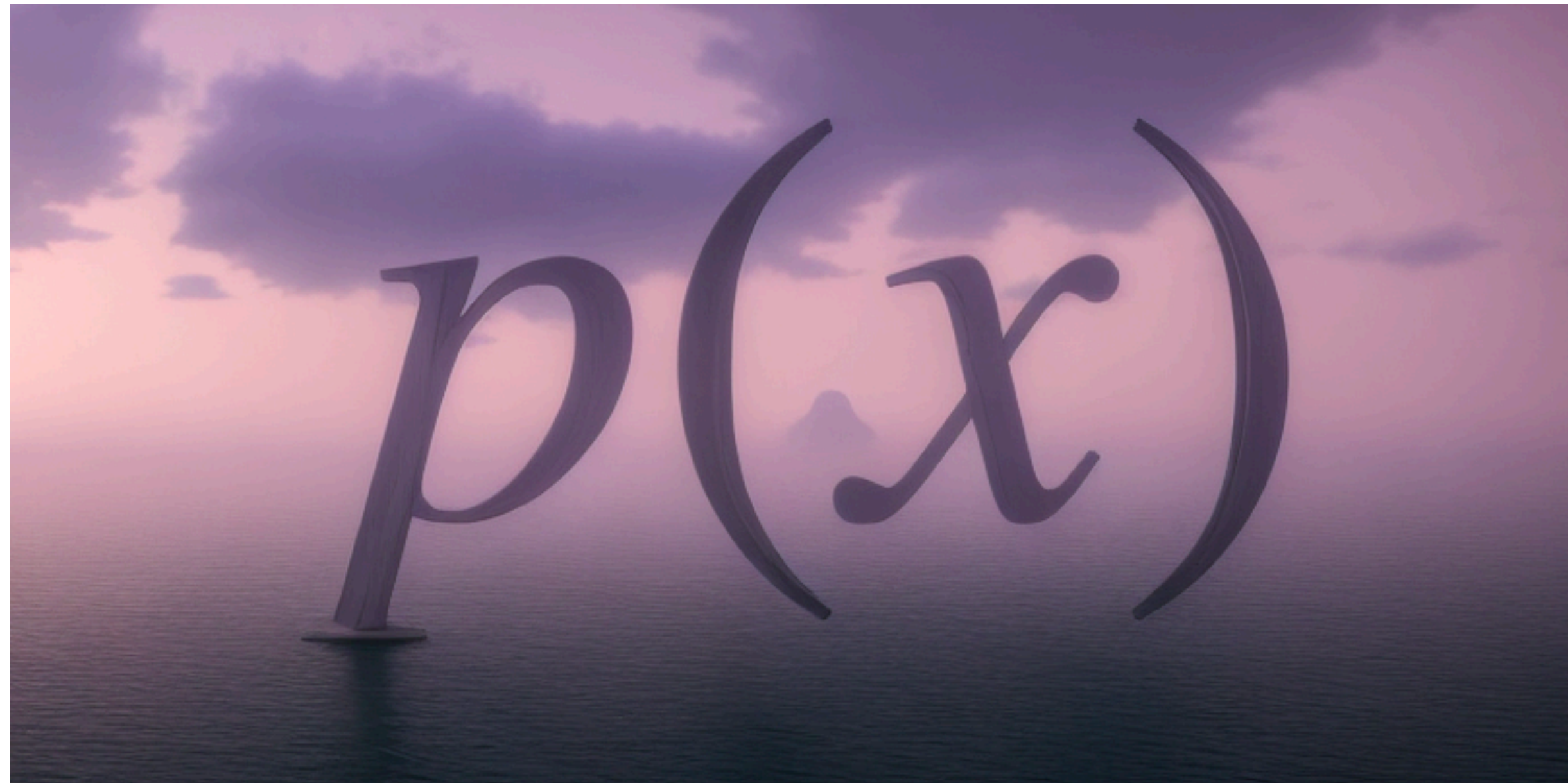
Models based on iterative refinement



Normalizing flows (and some other models)

Invertible transformations

The *data distribution*



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