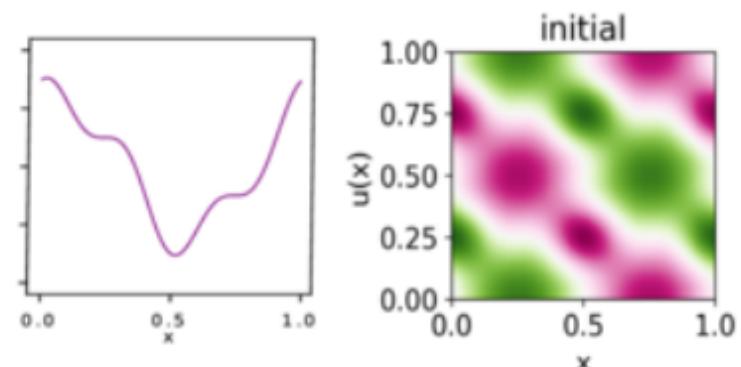


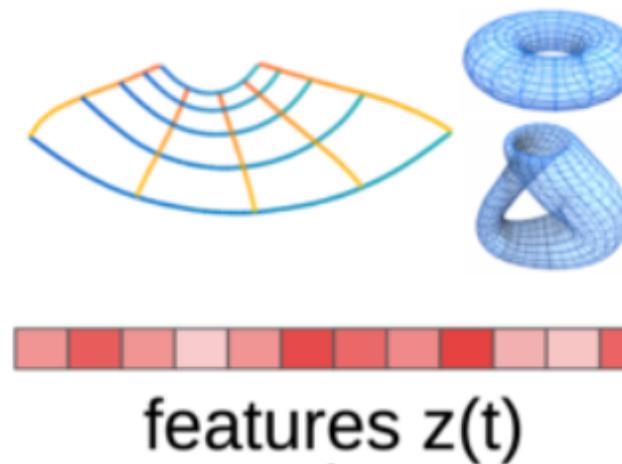
Variational Autoencoders for Learning Nonlinear Dynamics of Physical Systems

input: $u(t)$



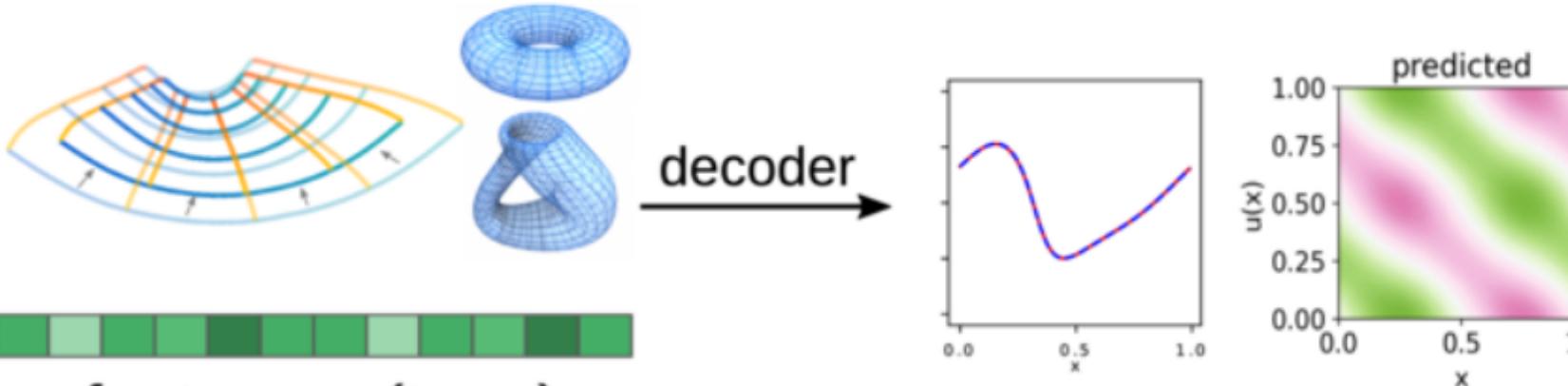
evolution

latent space I

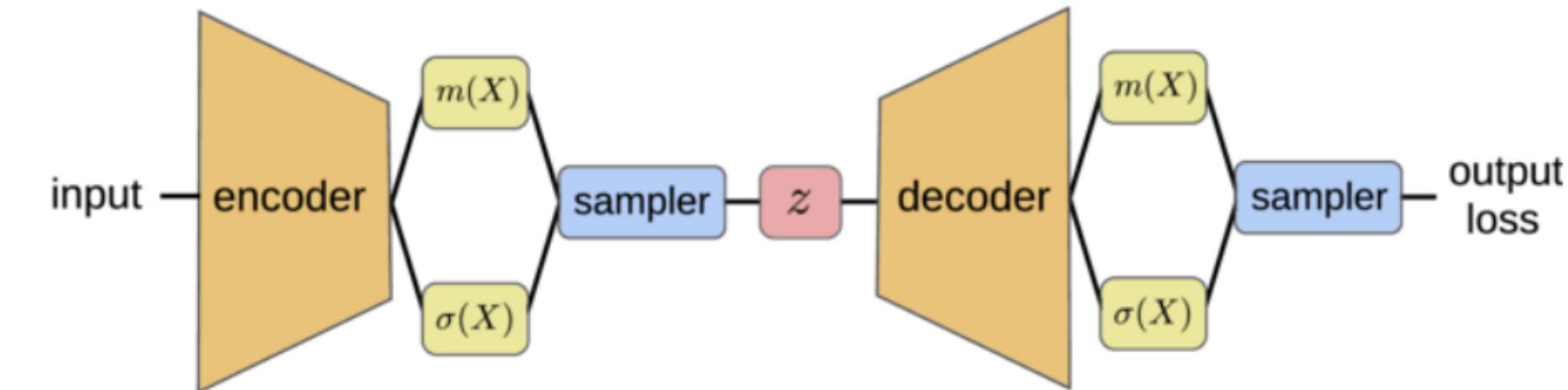


latent space II

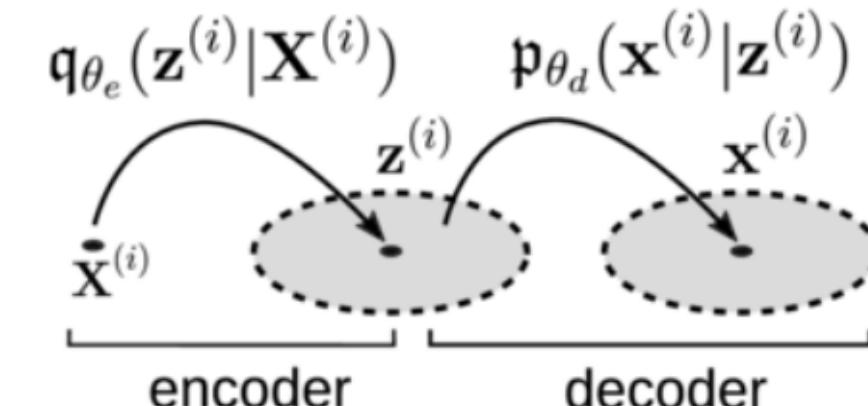
prediction $\hat{u}(t + \tau)$



Variational Autoencoders



VAE Mapping



Deep Neural Network

