

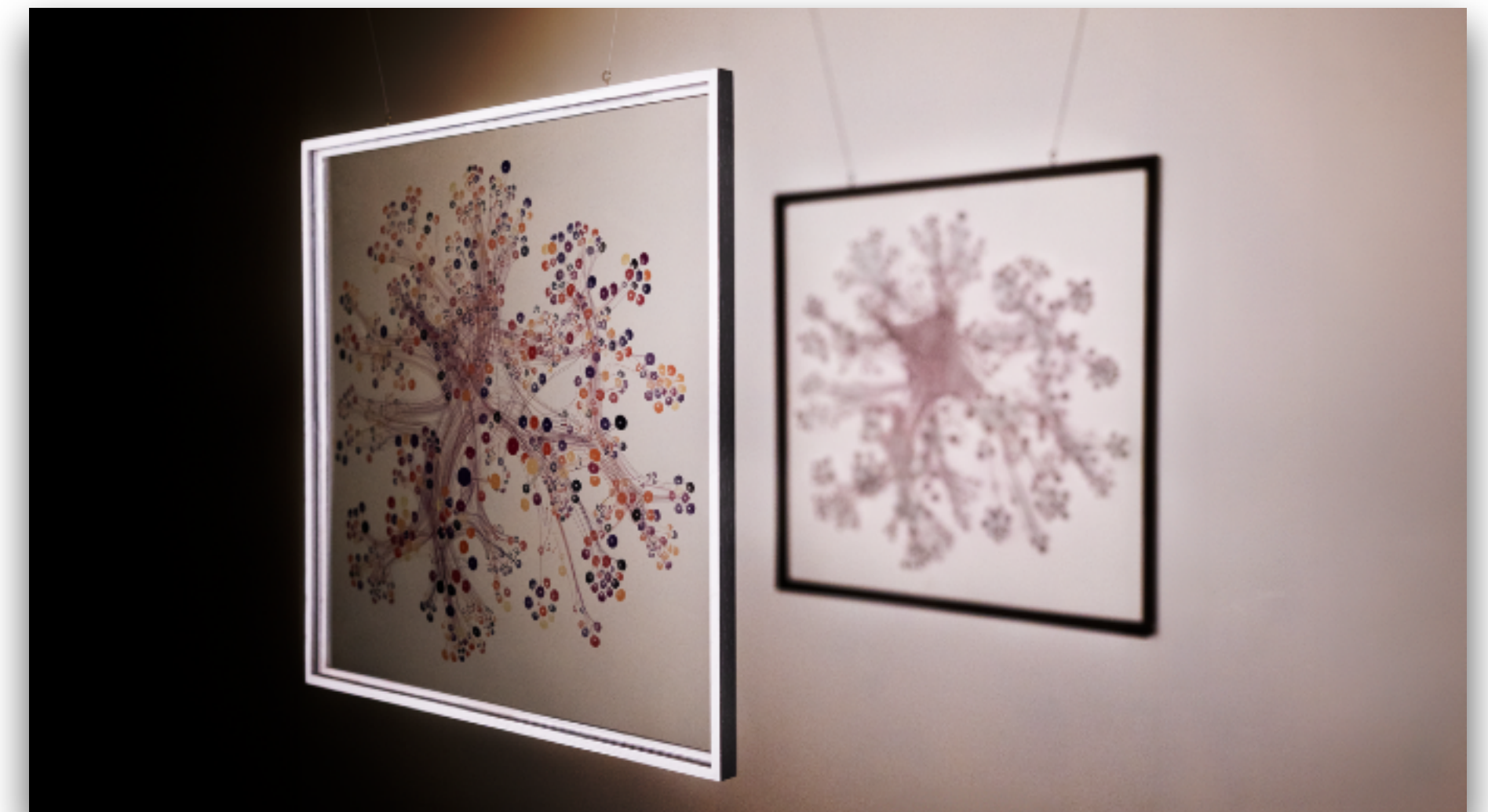
Outline

1. Are simple models enough to study complex systems/networks?

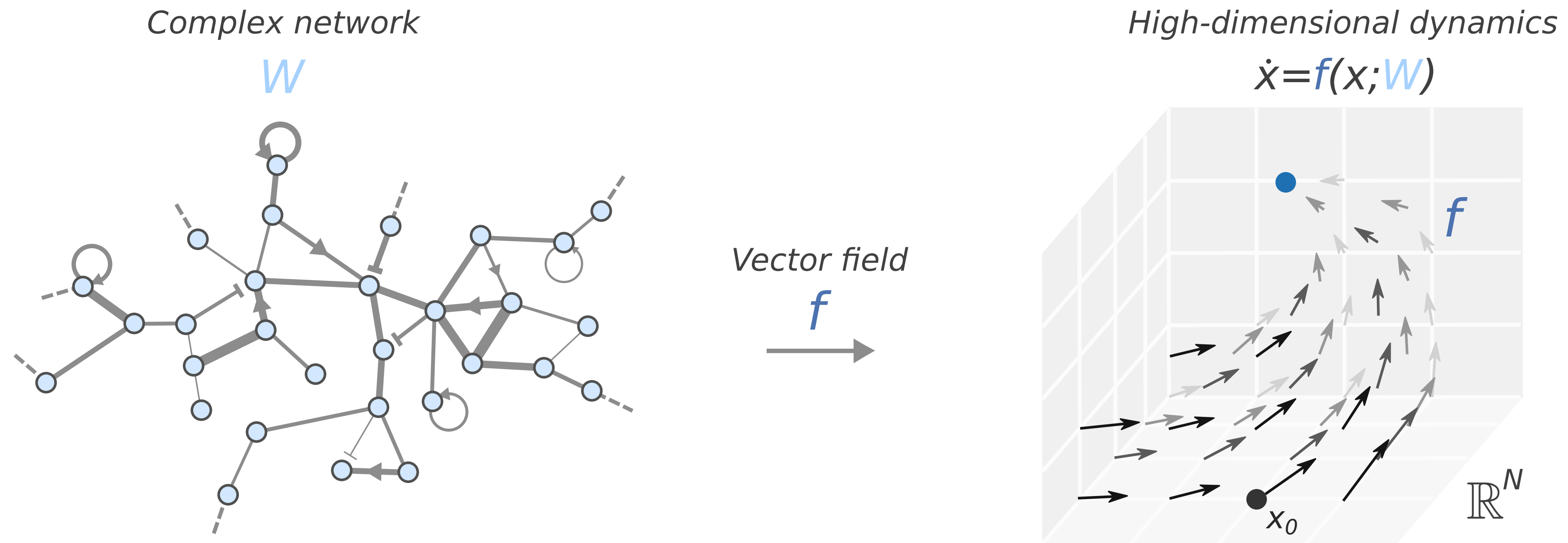
2. “Simple” ways to encode structural complexity

(a) latent metric space

(b) stub types



Modeling the dynamics of complex systems



High-dimensional dynamics are hard to analyze and extracting meaningful intuitions from them is difficult.

Most mathematical models involve low-dimensional representations of the networks and/or dynamical observables.