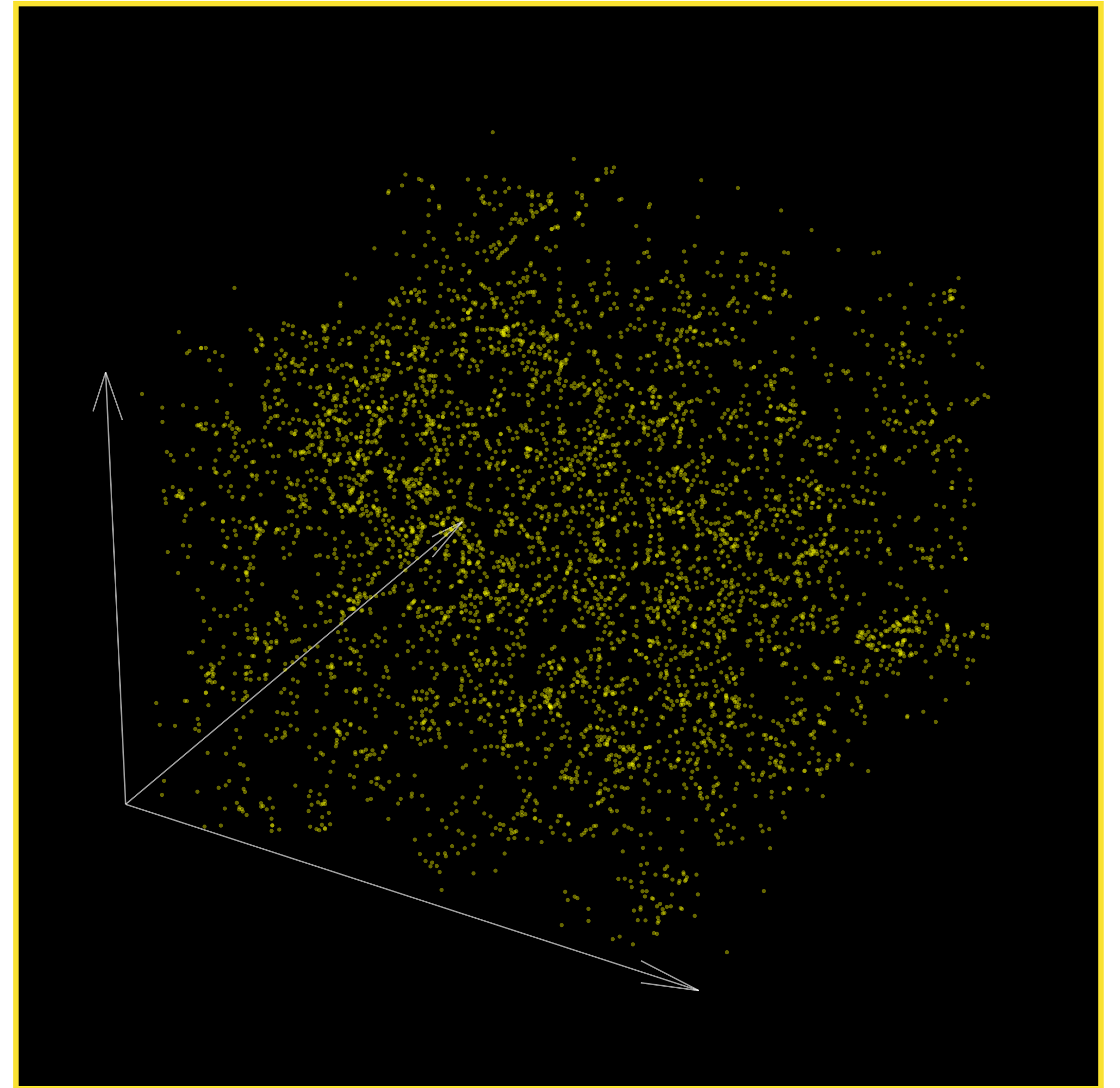


The diffusion score model

Want a score model that

- Operates on *sets* of varying cardinality
- Is permutation equivariant
- Efficiently captures correlation structure of point cloud

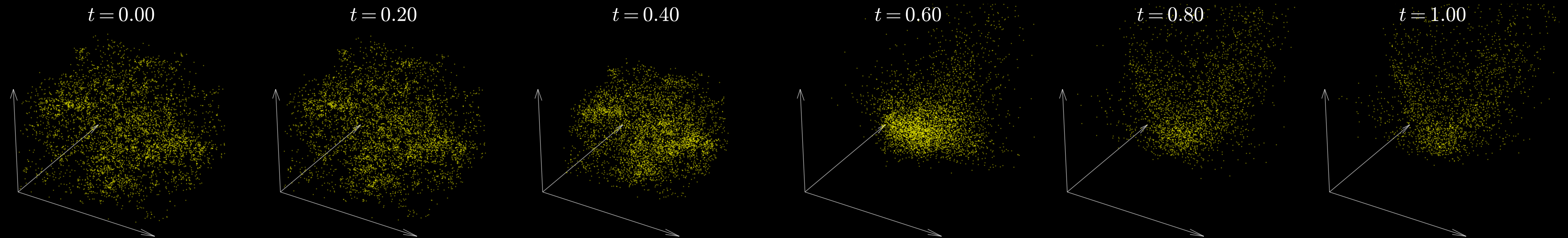


Graph neural network-guided diffusion on galaxies

SM, Cuesta-Lazaro [in prep]

Samples from *Quijote* [Villaescusa-Navarro et al, 2021].

Forward process (*adding noise*)



Reverse process (*denoising*)