

Siddhant Mishra-Sharma (MIT/AI FI) Summer School

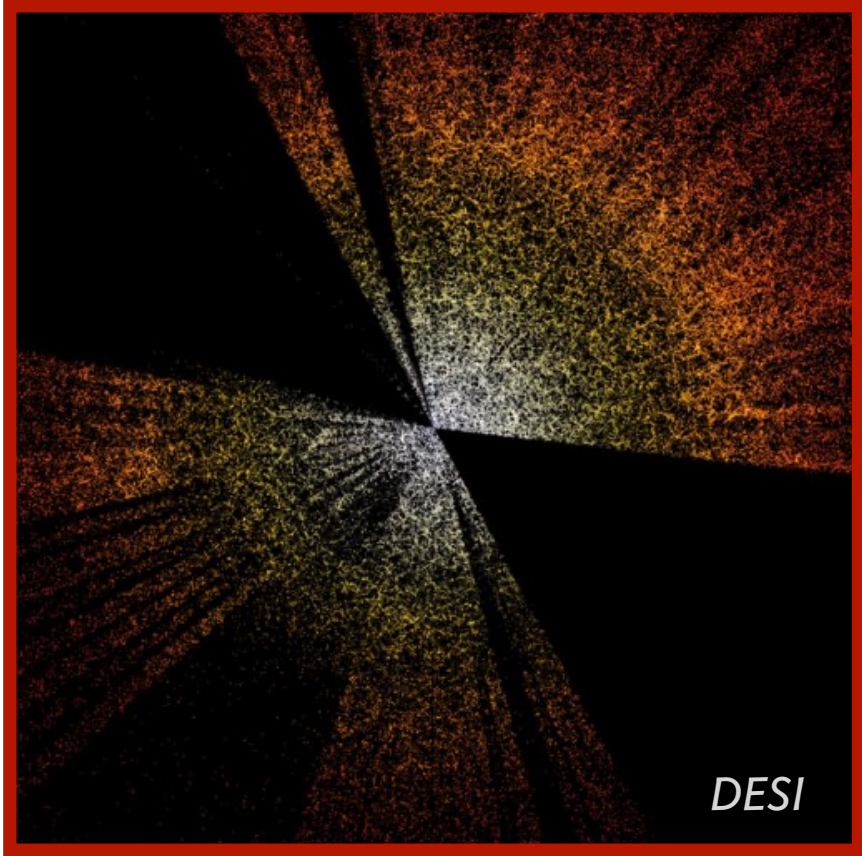
170

4

9

The likelihood of a galaxy field

$$p(\text{Cosmology parameters})$$





Simplify this



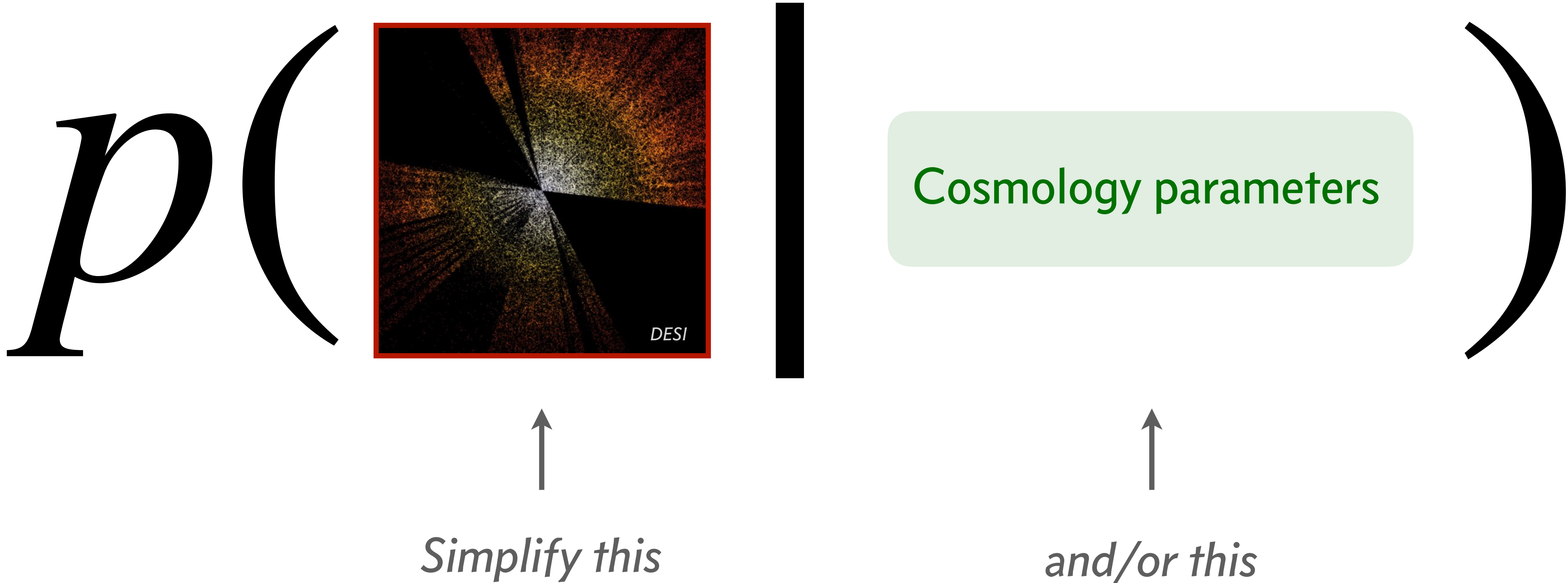
and/or this

Intractable!

$$p(x|\theta)$$

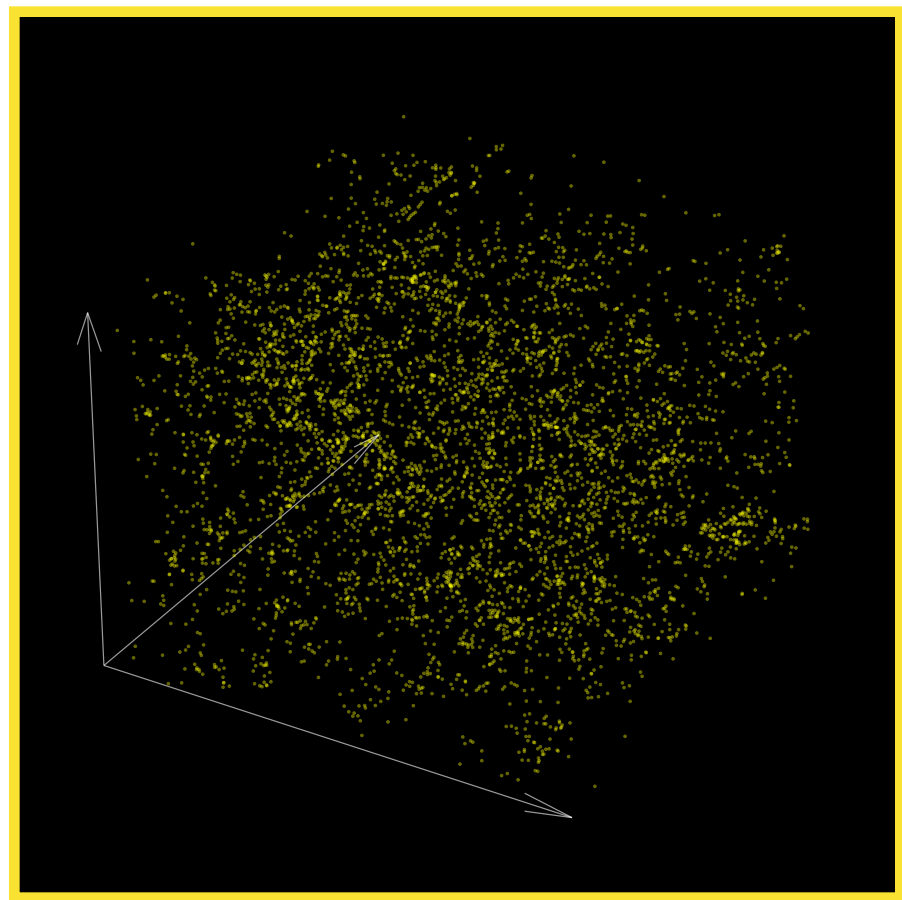
The likelihood of a galaxy field

$$p(x \mid \theta)$$



Intractable!

Emulation and inference



$$\sim p(\text{Cosmology})$$

*Emulation/
sampling*