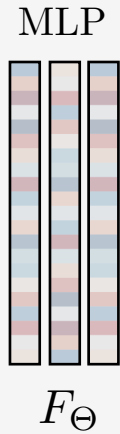
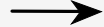
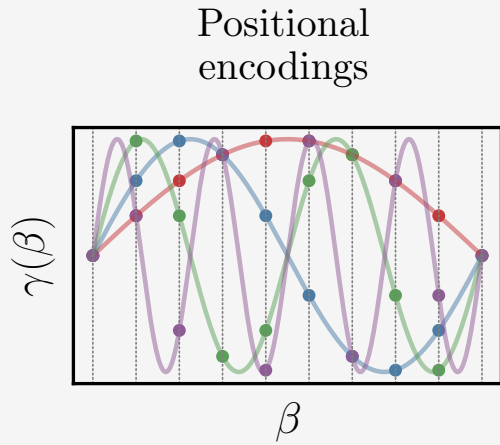
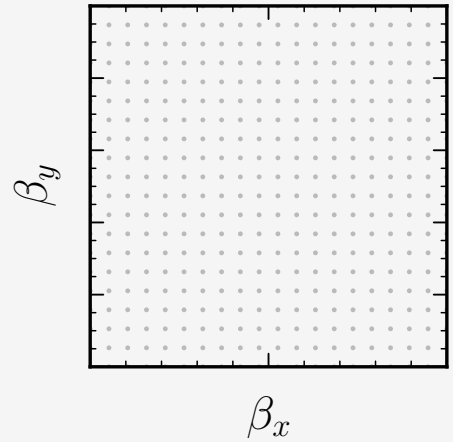


Source-plane
coordinates

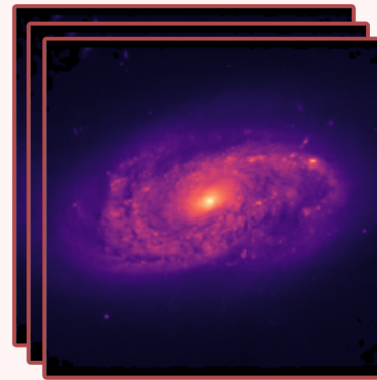


Neural field representation

Source variational
distribution

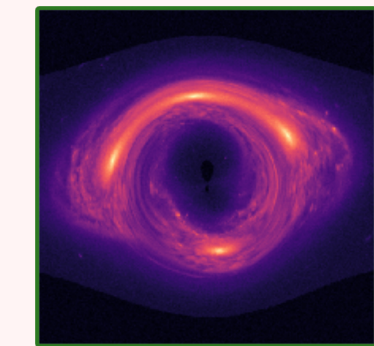
$$q_{\text{source}} = \mathcal{N}(\mu_I, \sigma_I^2)$$

Sample



Sampled lensed
images $\hat{\mu}$

Lensing
simulator



Observed
lensed image x

Lens variational distribution

$$q_{\text{lens}} = \mathcal{N}(\mu_{\text{lens}}, \Sigma_{\text{lens}})$$

Sample

Variational inference

$$p(x | \hat{\mu}) = \mathcal{N}(x | \hat{\mu}, \sigma_{\text{obs}}^2)$$