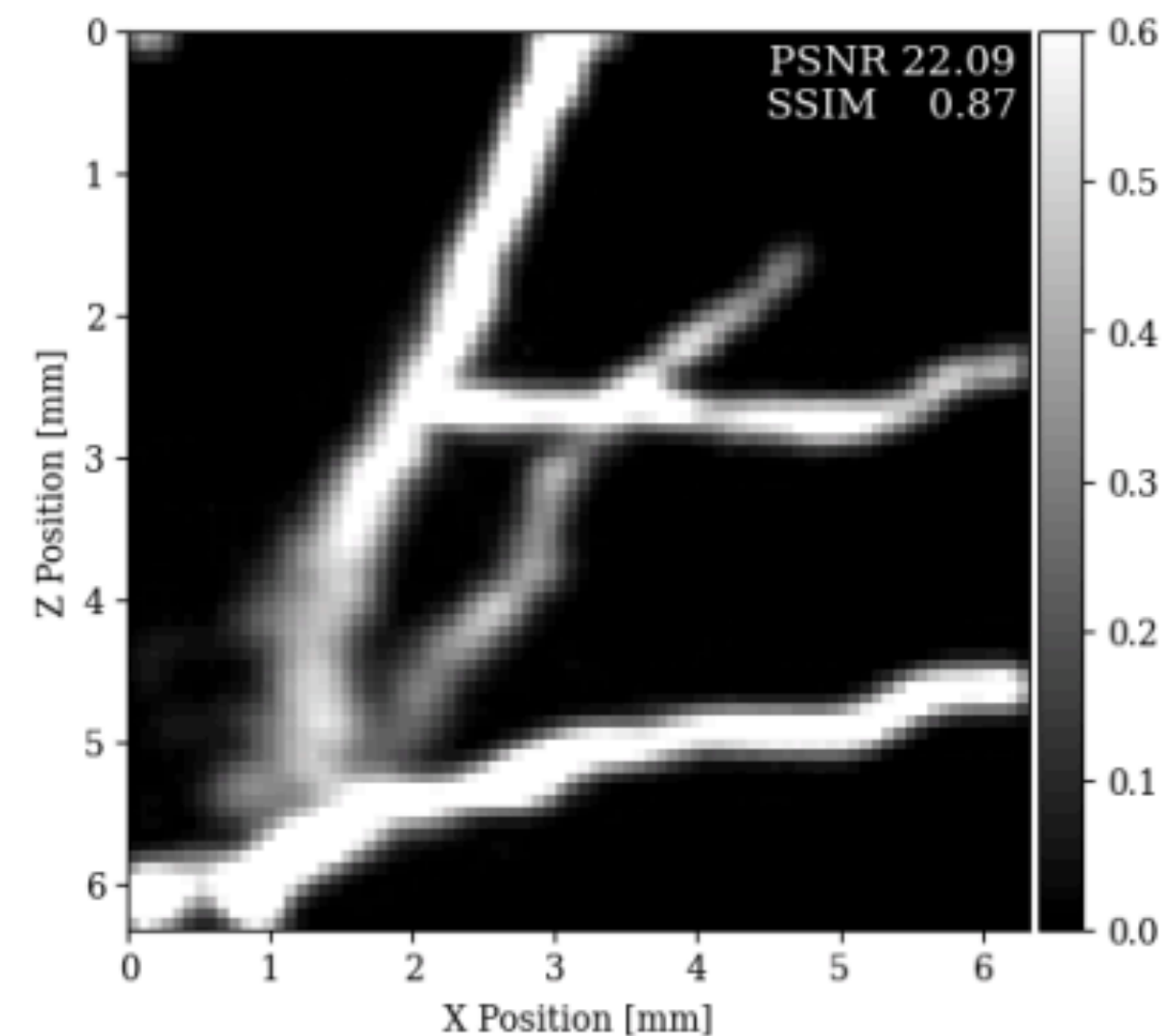


Conditional Sampling

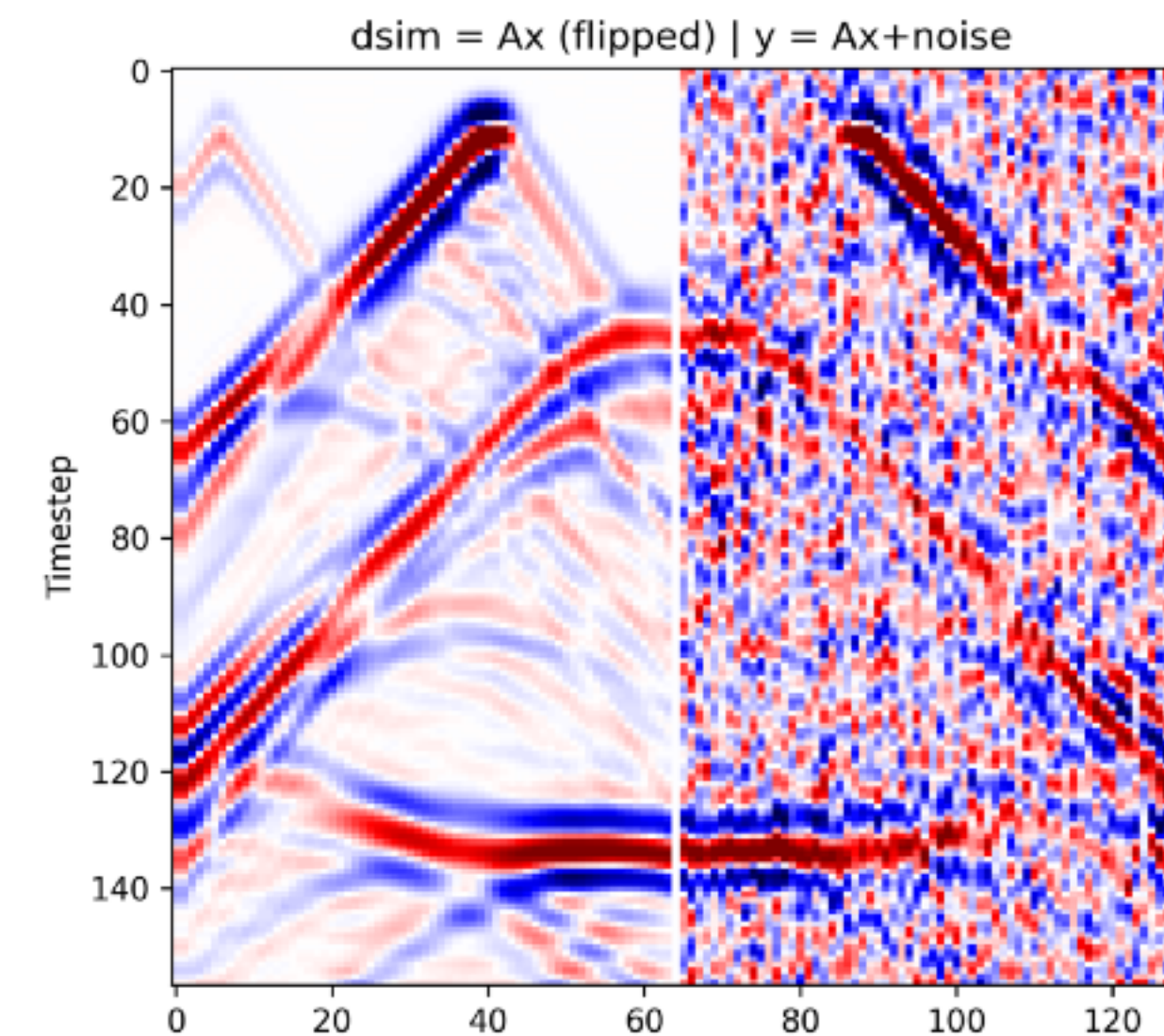
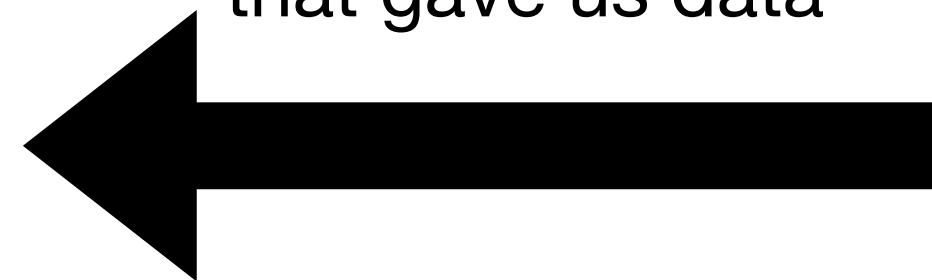
Goal: learn to sample from the conditional distribution: $p(\mathbf{x} | \mathbf{y})$

This describes a general inverse problem:

“given data \mathbf{y} , which image \mathbf{x} corresponds to it?”



Invert Forward process
that gave us data



Conditional Sampling

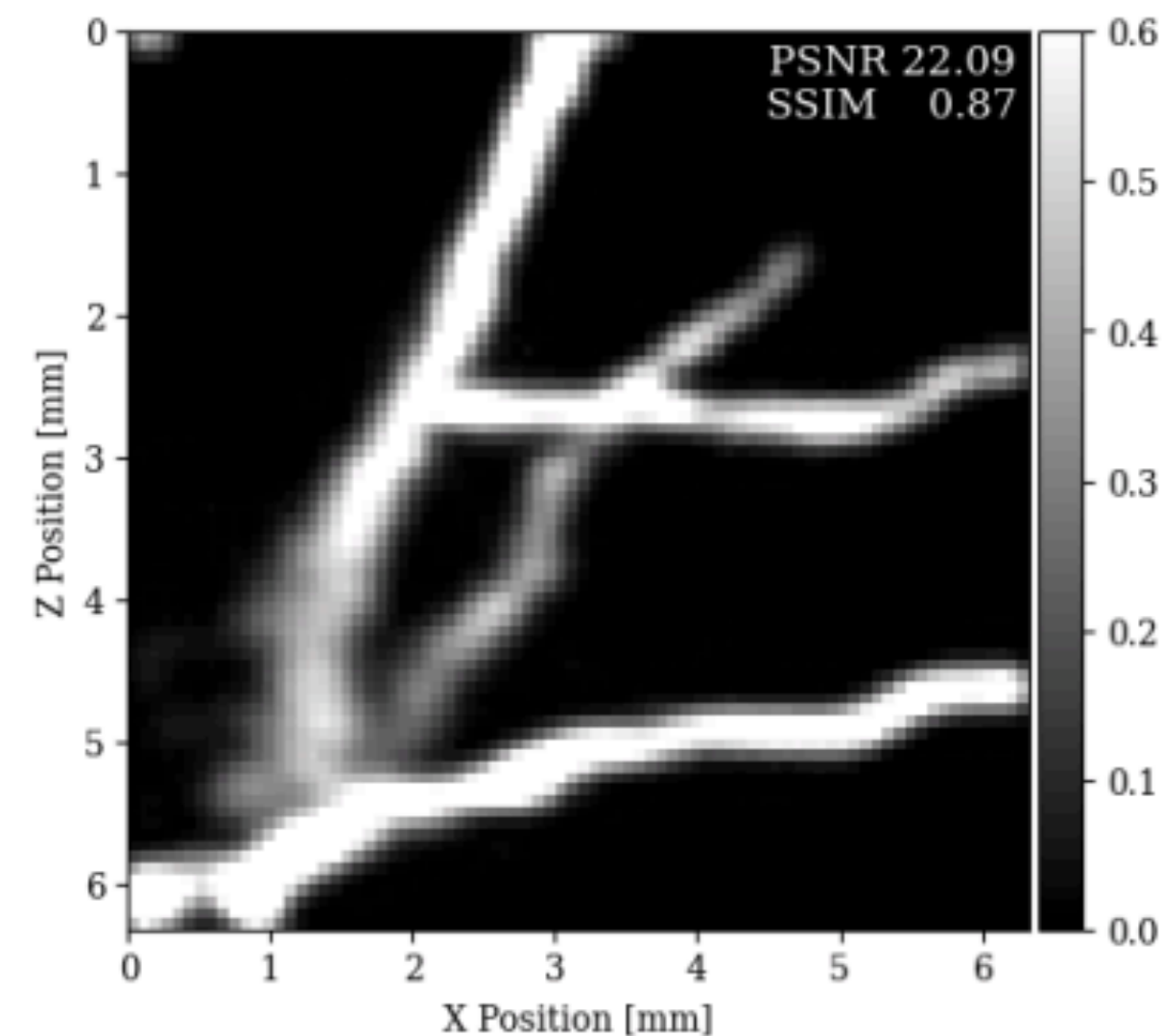
Goal: learn to sample from the conditional distribution: $p(\mathbf{x} | \mathbf{y})$

This describes a general inverse problem:

“given data \mathbf{y} , which image \mathbf{x} corresponds to it?”

We learn the whole distribution so we answer a more powerful question:

“given data \mathbf{y} , **which set of images** $\mathbf{x} \sim p(\mathbf{x} | \mathbf{y})$ corresponds to it?”



Invert Forward process
that gave us data

