

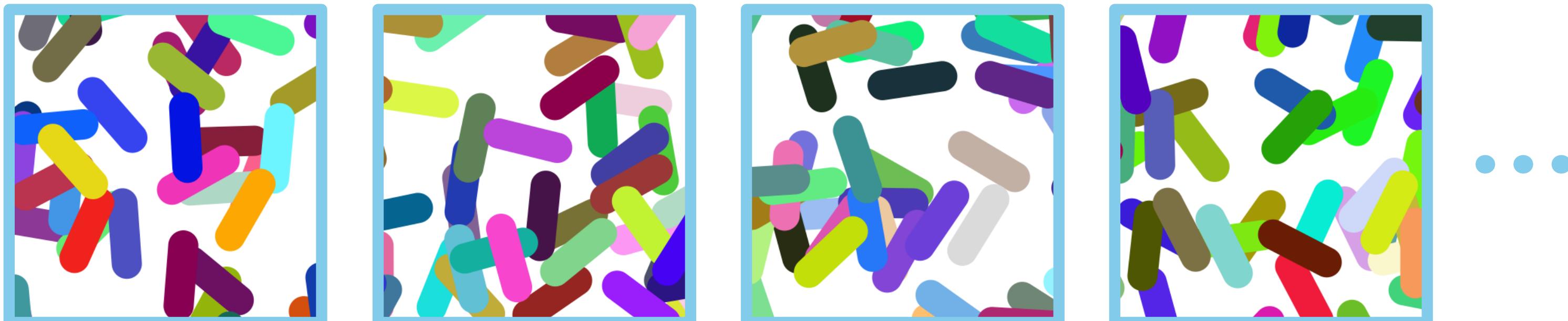
Stroke Patches

Customizable Artistic Image Styling Using Regression

Ian Jaffray
John Bronskill



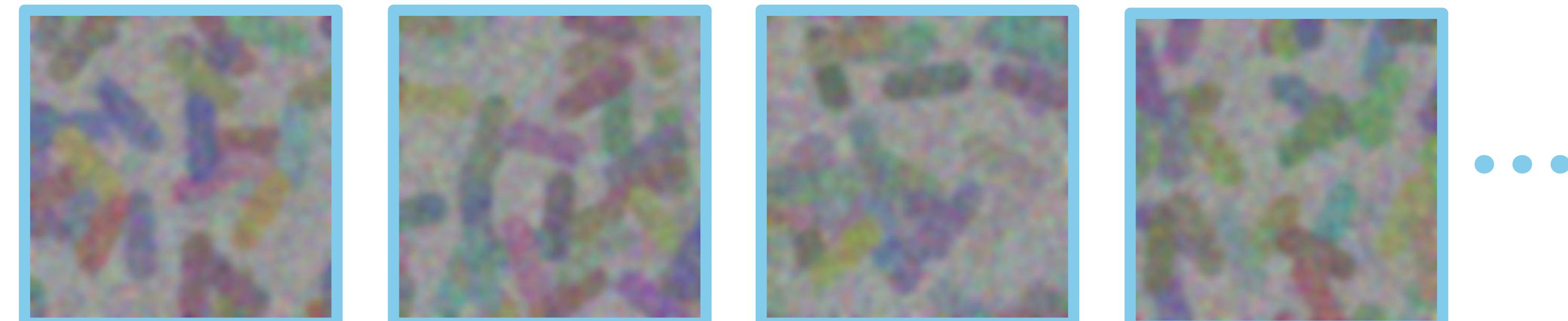
1. Generate Stroke Patches



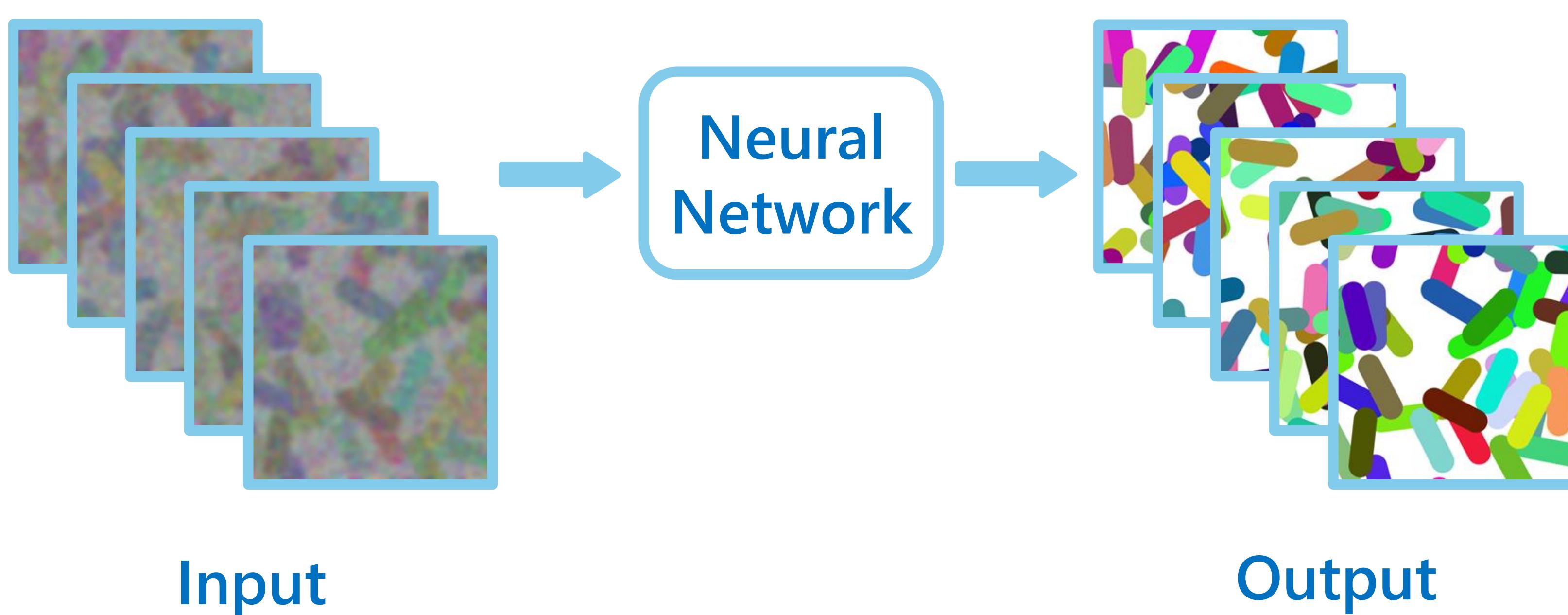
...

Simple shapes at random sizes, orientations, colors, and opacity.

2. Add Noise and Blur

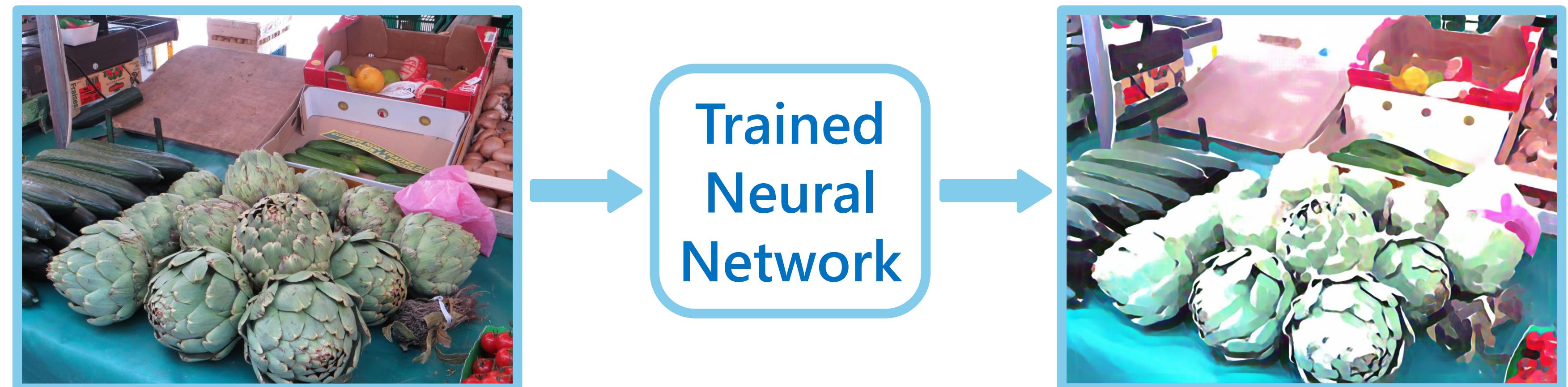


3. Learn a Neural Network

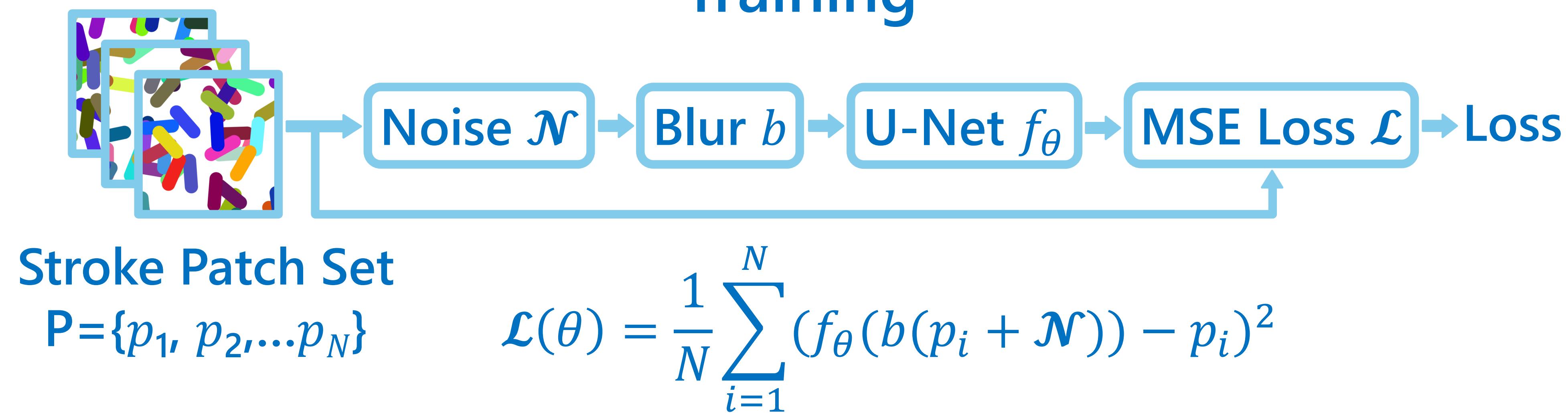


Train a network to map the blurry, noisy strokes to clean ones.

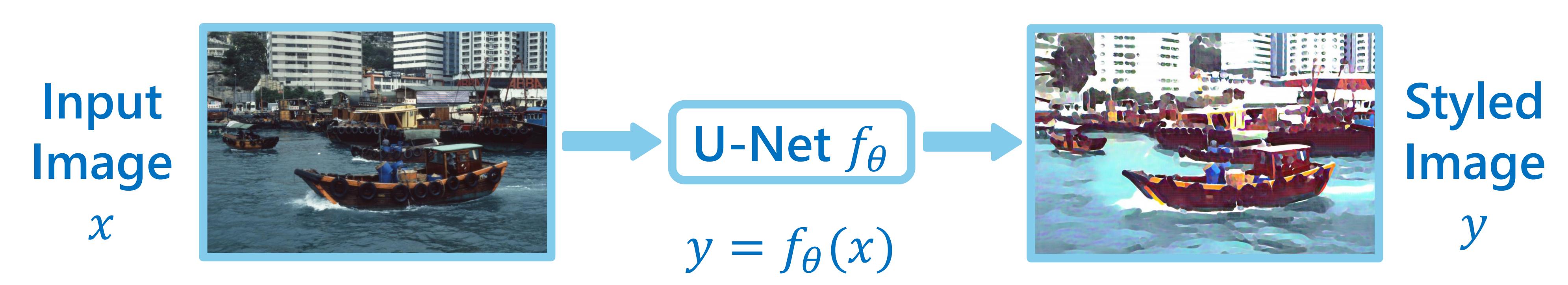
4. Transform Any Image or Video into Art



Training

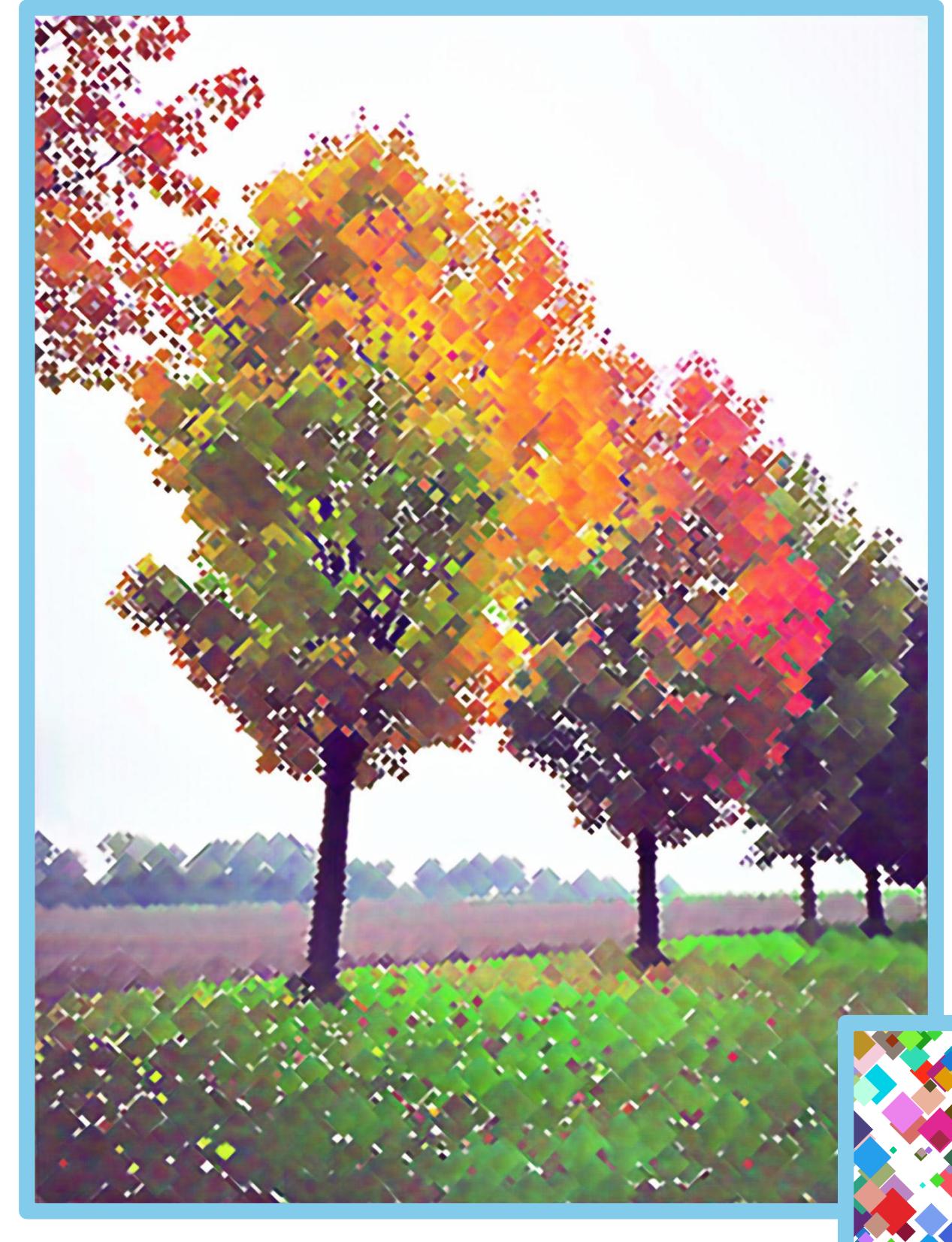


Inference

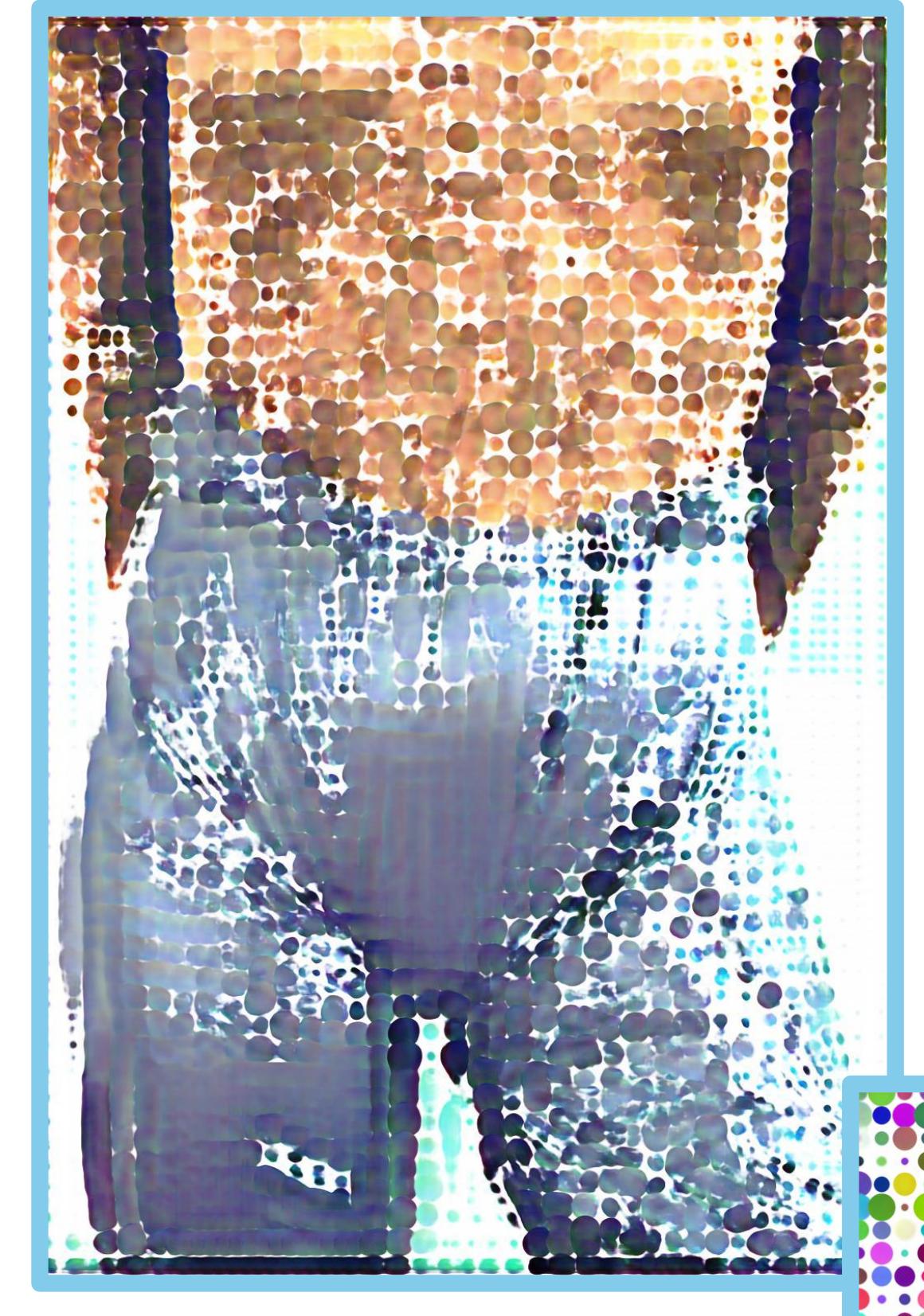




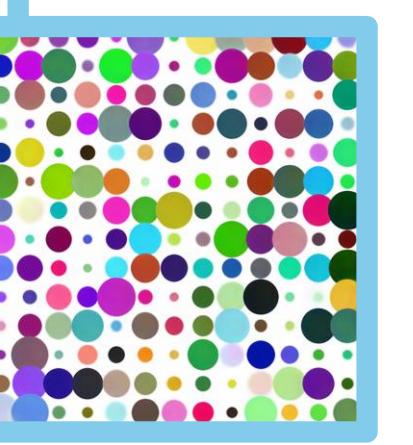
Cuneiform



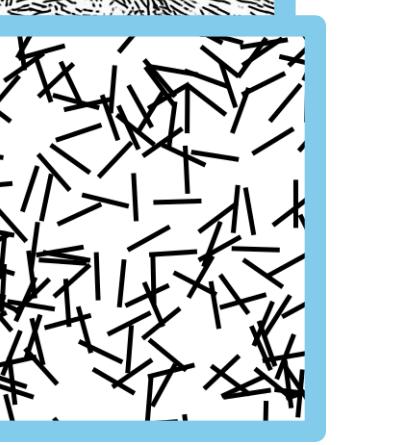
Diamond



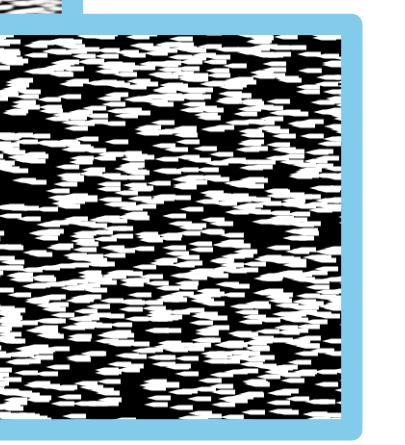
Halftone



Letratape



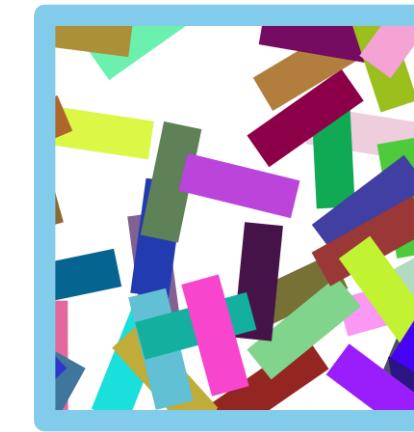
Lino



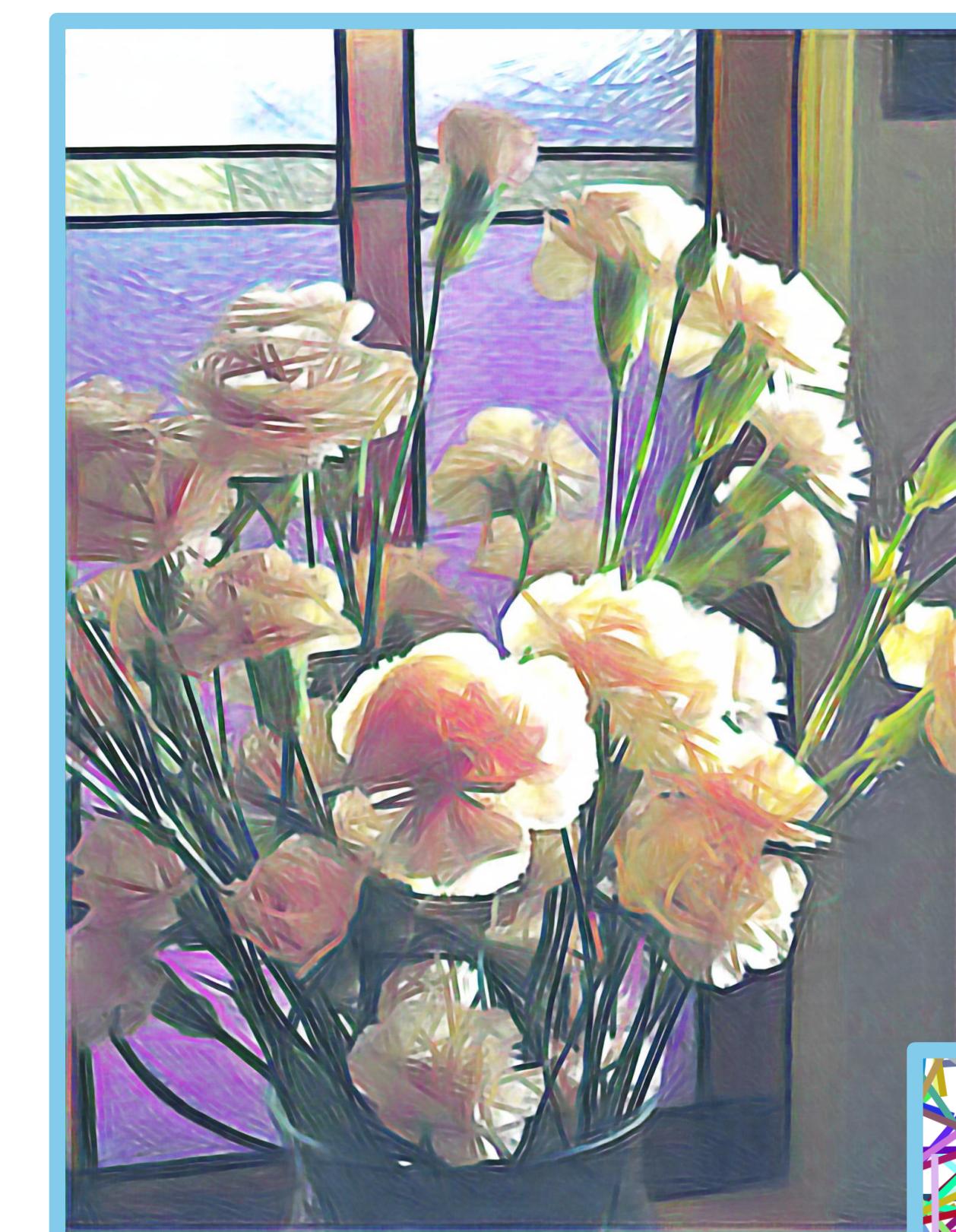
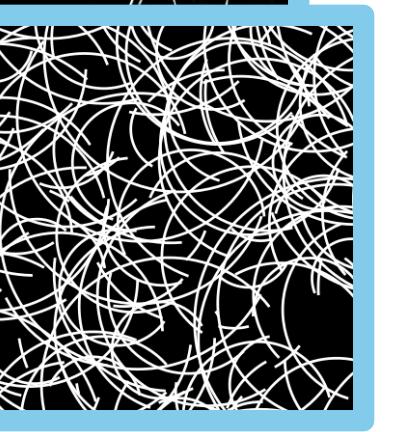
Paper Strip



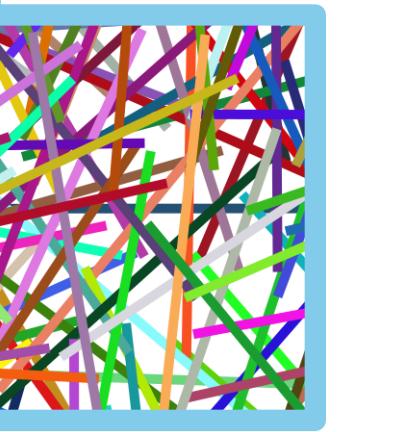
Rough



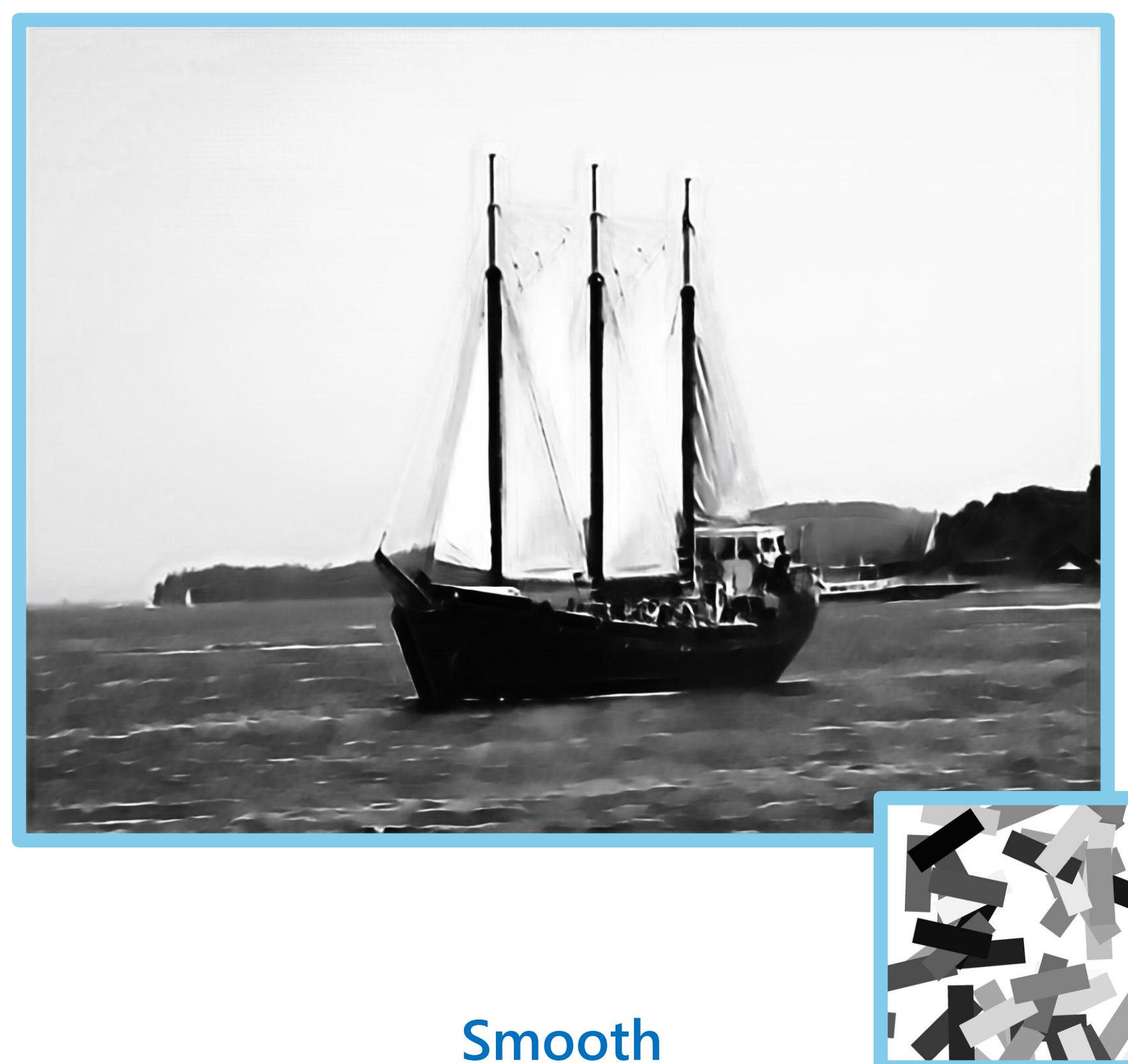
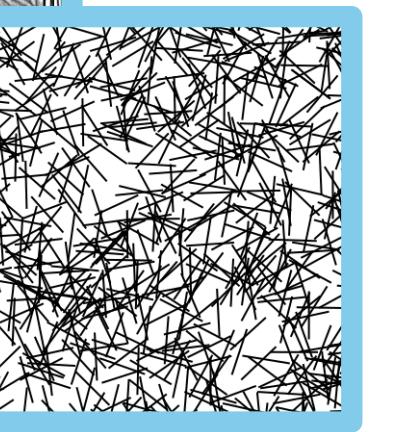
Scratchboard



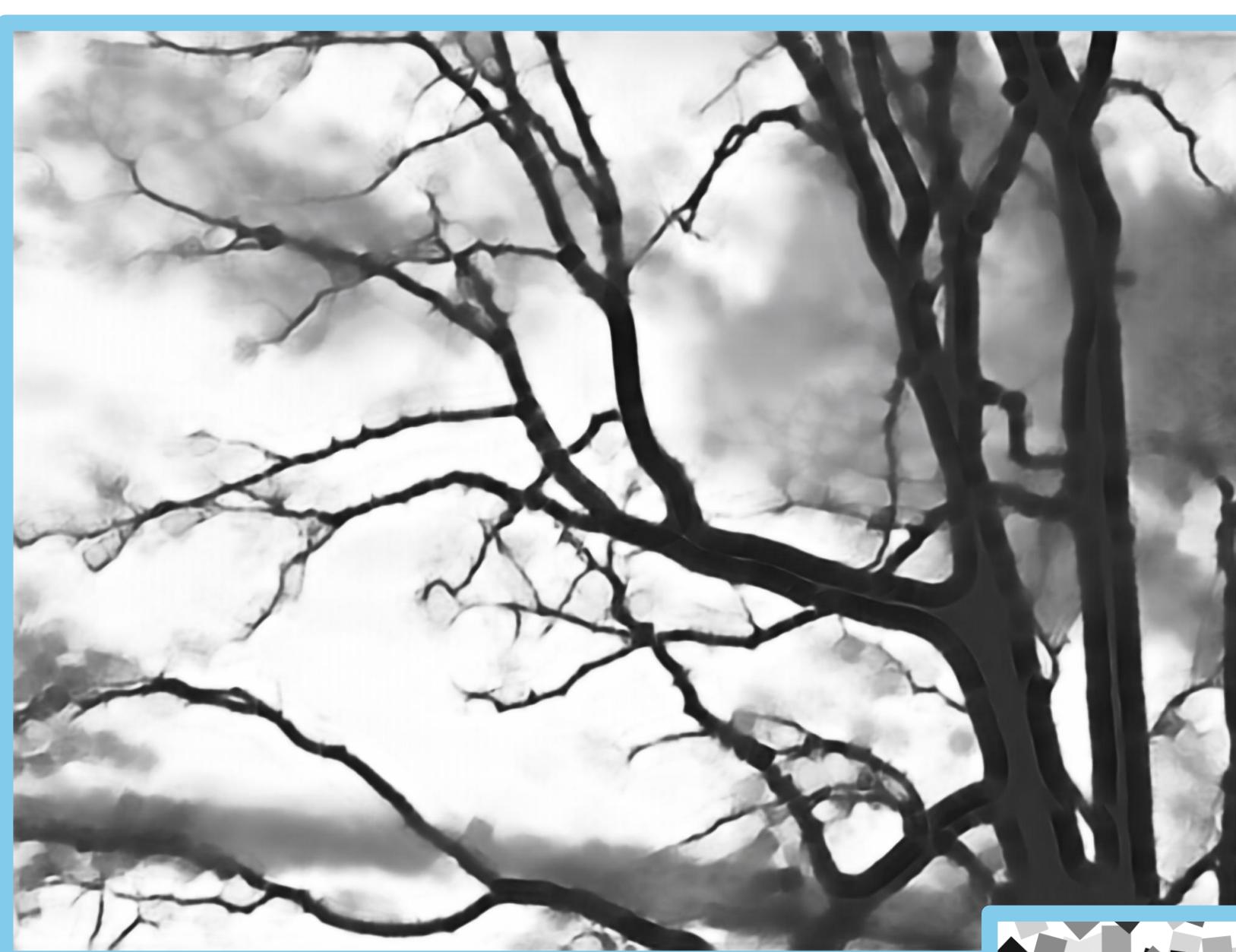
Scribble



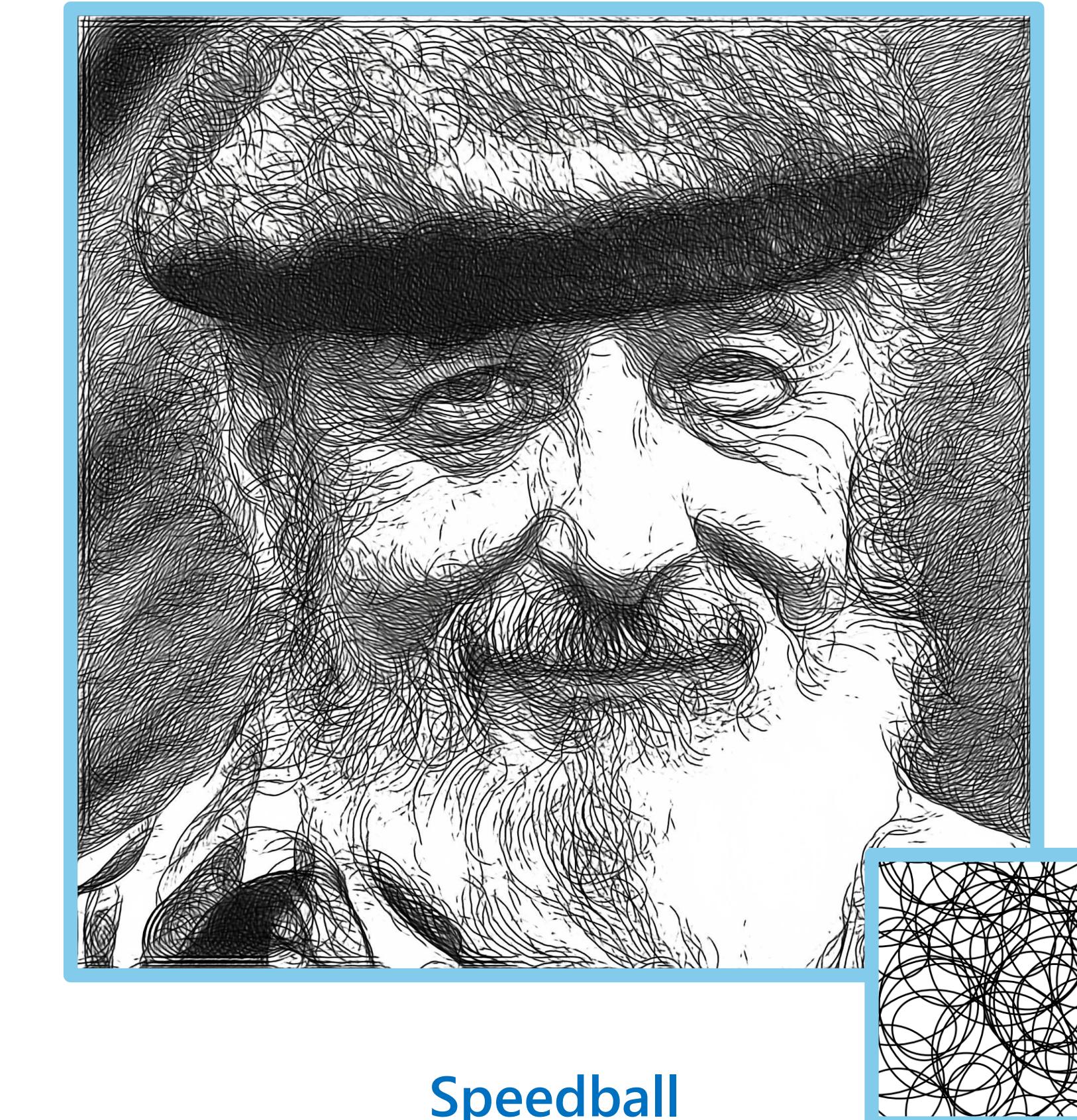
Silverpoint Rough



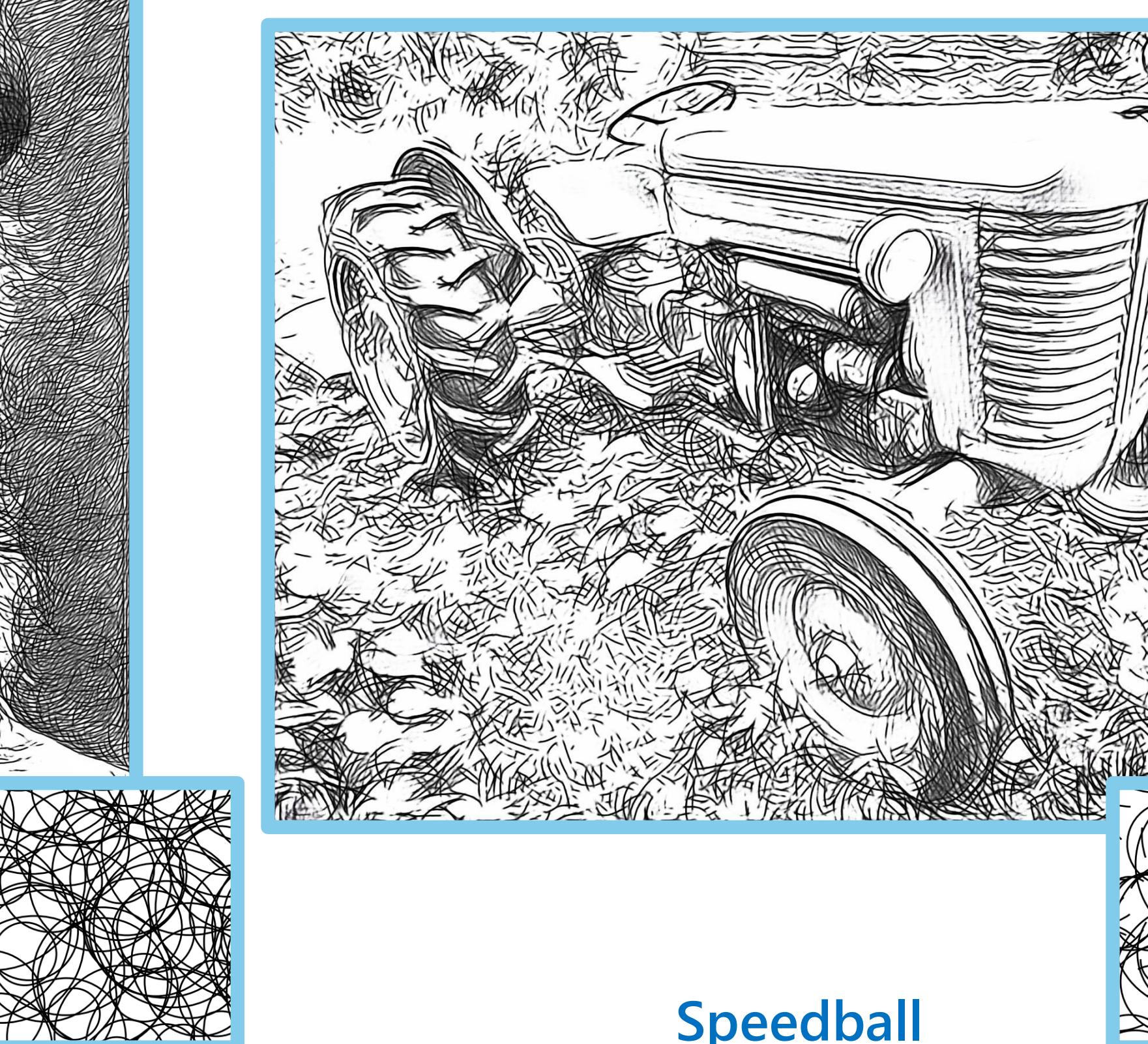
Smooth



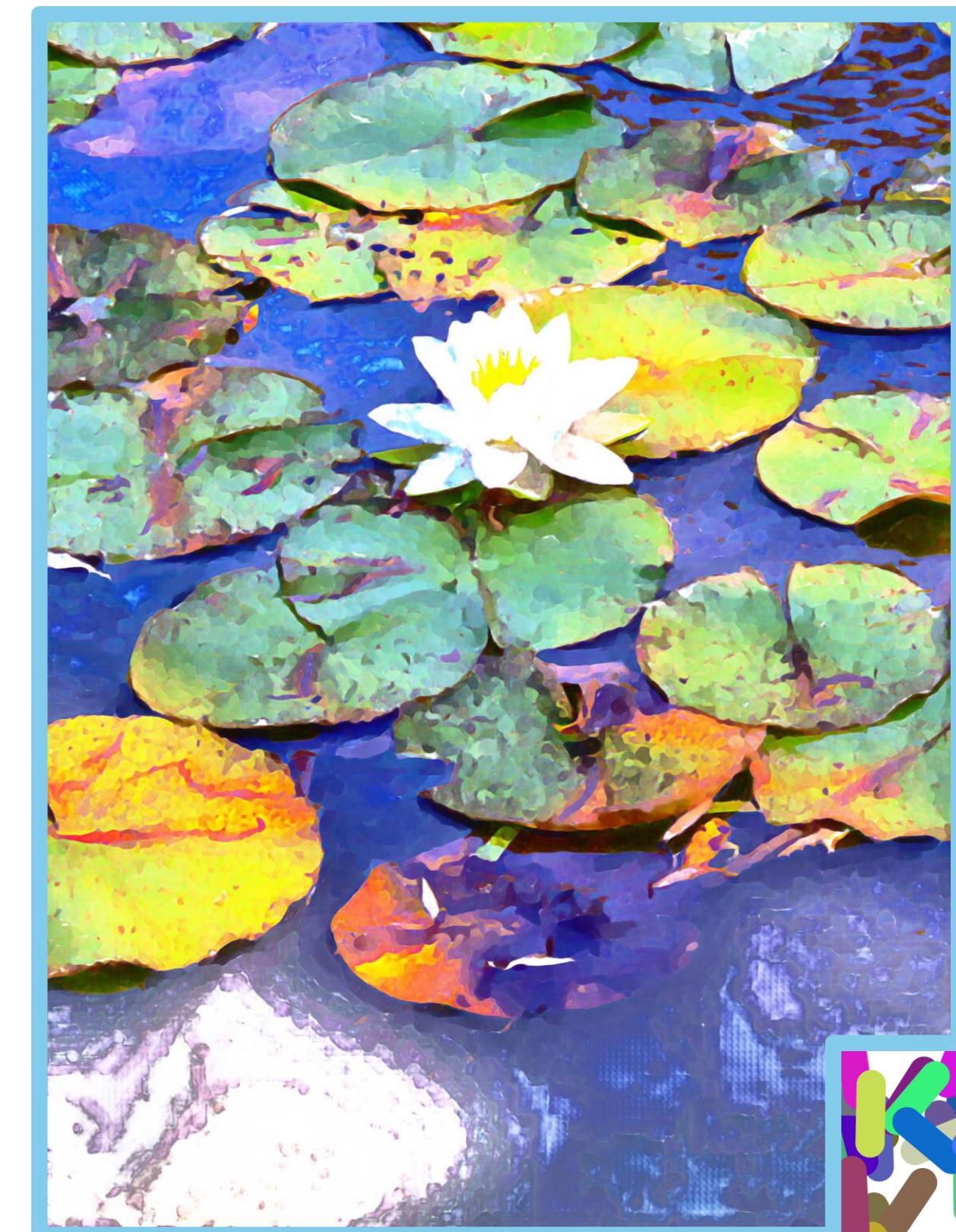
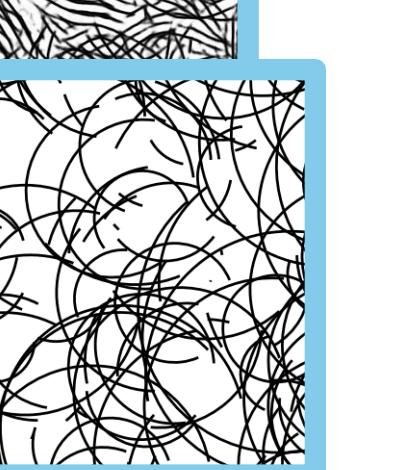
Soft Square



Speedball Cursive



Speedball Regular



Wet Gritty

