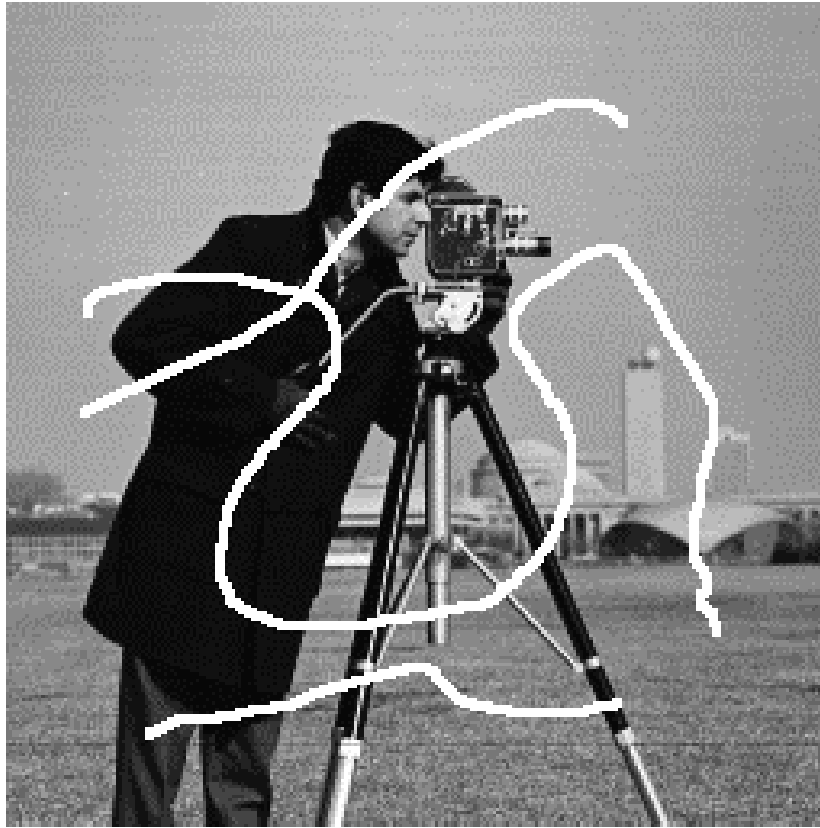# Inpainting with repeated filterng

CMPUT 206

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Image inpainting

How do we repair
damaged pixel locations?

Repeated filtering as a first rescue

- Note that you know which pixel locations are damaged. This is available by means of a mask image

Algorithm

- Input: Damaged image, I and Mask U

- Output: Repaired image,J

- Step 1: J = I

- Repeat
  - J = GaussianSmooth(J) # Smooth damaged image
  - J(U) = I(U) # Copy good pixels

Let's look at the demo