Pranav Sankhe 15007009 Kalpesh Krishna 140070017 Mohit Madan 15D070028

Report:

Here are the results for sigma_spatial = 1.1 and sigma_intensity = 1.16

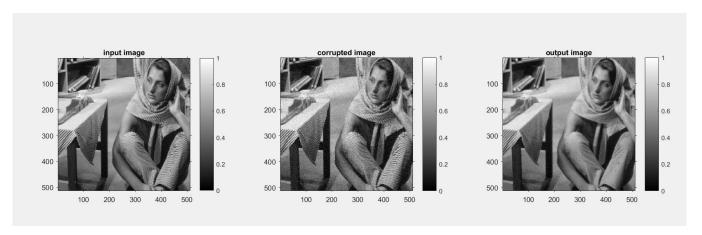


Figure 1: Original, Corrupted and filtered images

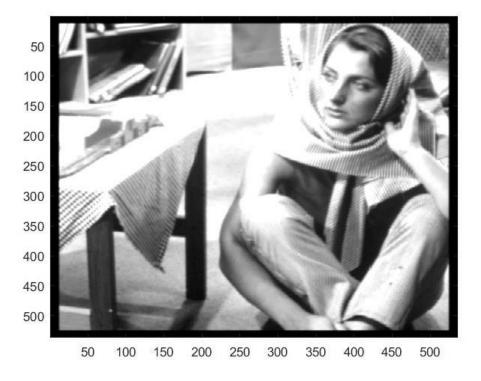


Figure 2: mask for spatial gaussian as an image

Optimal Parameter Values are as follows:

Sigma_spatial = 1.1

Sigma_intensity = 1.16

RMSD for optimal parameter is 0.0056

RMSD for 1.1*sigma_spatial = 0.0079

RMSD for 0.9*sigma_spatial = 0.013

RMSD for 1.1*sigma_intensity = 0.0076

RMSD for 0.9*sigma_intensity = 0.0123