PCA denoising

Original barbara-256

Part a
RMSE = 0.0720

Part b

Noisy image and Denoised Image using 200 most similar patches
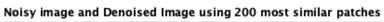

RMSE =

Original stream

Applying 200

Noisy image and Denoised Image using 200 most similar patches

RMSE =   0.0818

Part c
RMSE = 0.1468

Noisy image and Denoised Image (Part C)