Noisy barbara (σ = 5)

Filtered barbara (σ_s: 2.00, σ_r: 2.00)

Filtered barbara (σ_s: 0.10, σ_r: 0.10)

Filtered barbara (σ_s: 3.00, σ_r: 15.00)

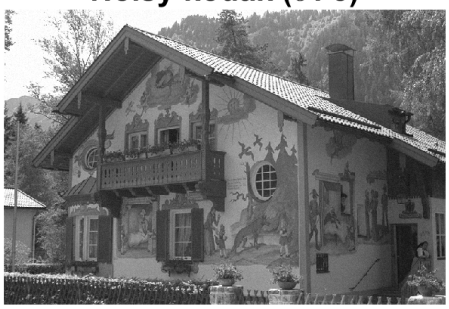
Noisy barbara (σ = 10)

Filtered barbara (σ_s: 2.00, σ_r: 2.00)

Filtered barbara (σ_s: 0.10, σ_r: 0.10)

Filtered barbara (σ_s: 3.00, σ_r: 15.00)

Noisy kodak (σ: 5)

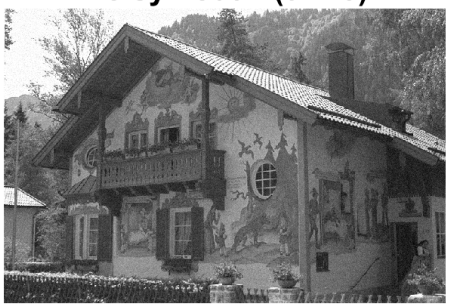


Filtered kodak (σ_s: 2.00, σ_r: 2.00)

Filtered kodak (σ_s: 0.10, σ_r: 0.10)

Filtered kodak (σ_s: 3.00, σ_r: 15.00)

Noisy kodak (σ: 10)



Filtered kodak (σ_s: 2.00, σ_r: 2.00)

Filtered kodak (σ_s: 0.10, σ_r: 0.10)

Filtered kodak (σ_s: 3.00, σ_r: 15.00)

Results:

1. Edges are preserved in all the resulting images
2. As the spatial parameter σs increases, the larger features get smoothened.
3. As the radial parameter σd increases, the intensity at a point becomes almost equal to the net intensity of the image.
4. Pictures appear more cartoony with high sigma value