Example questions for EE264 Final:

1) Assume we apply a blurring filter to an image \( f(x,y) \) yielding the blurred image \( g(x,y) \). We then create a third image \( d(x,y) = f(x,y) - g(x,y) \), that is, we subtract the blurred image from the original image.

Statement: “The resulting final image \( d(x,y) \) will be even more blurred.” True or false?

Answer:

2) The left image below has a lot noise, so a 3x3 filter was applied to create the right image. What type of filter was used and what is this type of noise called?

Answer: