

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?



(left)



(right)

Answer: