

Name: _____

COL7(6)83 Quiz 4

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1. An image f is convolved with a kernel w having even symmetry, i.e. $w(x, y) = w(-x, -y)$. What happens to the phase of its Fourier transform, F ?
2. I have an image affected by a periodic interference pattern, which I attempt to remove by applying an ideal notch filter, i.e. $H(u, v)$ is exactly 0 near the undesirable frequencies and exactly 1 elsewhere. I find that this removes the interference pattern but creates some extraneous intensity oscillations. What should I change to get a better result?