

Concept Question 6-5: Why is Tikhonov regularization needed in deconvolution?

$\mathbf{H}(k_1, k_2)$ is often zero for some values of (k_1, k_2) . So using $1/\mathbf{H}(k_1, k_2)$ as an inverse filter entails dividing by zero at those values of (k_1, k_2) .