

PH 354: hw 4, problem 8

Alankar Dutta

March 1, 2019

One of the reason that defeats our effort to deblur an image by deconvolution is our inability to exactly know the blurring kernel (Point Spread function). Deconvolution can also introduced undesirable wavy artifacts in the sharpened image.

Following is taken verbatim from "Image Deblurring" by Brandon Smith and Mikola Lysenko (March 29, 2009):

"If the kernel is known, noise is the greatest limiting factor when it comes to achieving a good result. With a better noise model, it is very likely that better image deblurring is possible."