

Topic: RESTORATION

1. Read the paper of Rav-Acha and Peleg [1] and discuss it.
2. Create different motion-blurred images from the same image and apply the method described in [1]
3. Read papers [2] and [3] and discuss these.
4. Acquire some real images and blur these with some self defined non-uniform blurring filter. Try to restore the images using direct deconvolution and with the method described in [2]. Discuss the results.

[1] A. Rav-Acha and S. Peleg, [*Restoration of Multiple Images with Motion Blur in Different Directions*](#), Fifth IEEE Workshop on Applications of Computer Vision (WACV'00), Palm Springs, Dec. 2000, pp. 22-28.

[2] Renting Liu; Jiaya Jia, Reducing boundary artifacts in image deconvolution; 15th IEEE International Conference on Image Processing, 2008. ICIP 2008, San Diego

[3] Qi Shan, Jiaya Jia, and Aseem Agarwala, High-quality Motion Deblurring from a Single Image, ACM Transactions on Graphics (SIGGRAPH), 2008