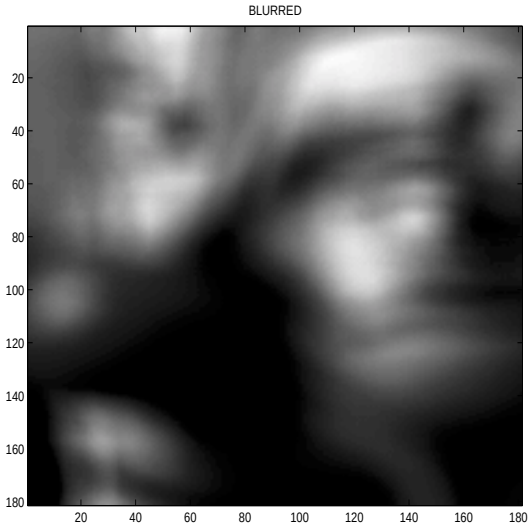

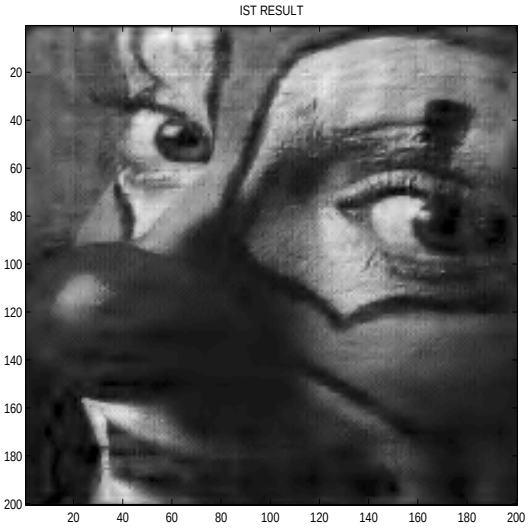

Section 10-18.3 2-D valid deconvolution using compressed sensing.

Purpose This seems to be impossible, reconstructing an (MXM) image from its $(M-L+1)X(M-L+1)$ valid convolution. Yet, using compressed sensing, we can completely reconstruct the clown image.

Inputs: The $(M-L+1)X(M-L+1)$ valid convolution of (MXM) image with an (LXL) PSF, shrinkage T of 2-D db3 Daubechies transform used in ISTA algorithm.

Outputs: Reconstructed clown image.

Program: See link associated with this description.