

Point 3.3.2)

In the following pages are reported the results of applying FISTAR, FISTA and ISTA algorithms to subsampled images to recreate the missing data. Figure 7, figure 9 and figure 11 show the plot of a parameter sweep for λ_1 and λ_{TV} in order to get the one with the best PSNR score. The results are then obtained using the calculated optimal gamma.

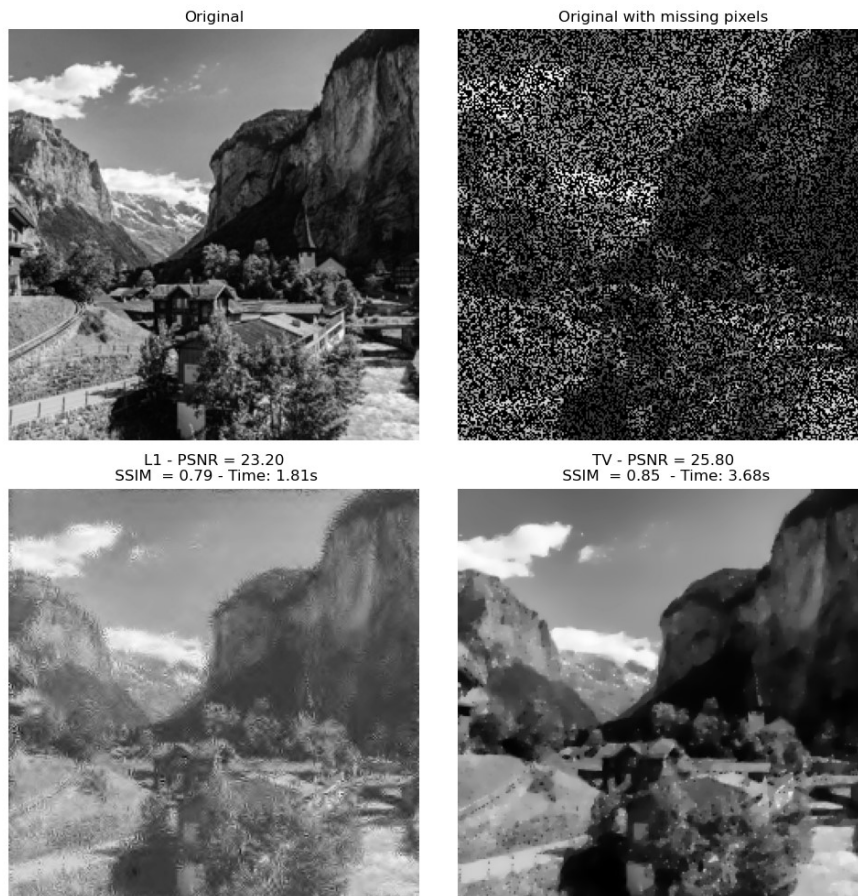


Figure 6 ISTA results

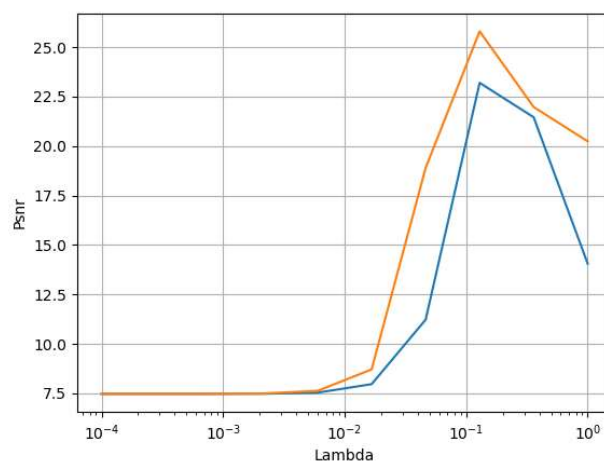


Figure 7 ISTA parameter sweep for λ_1 and λ_{TV} , blue and orange respectively

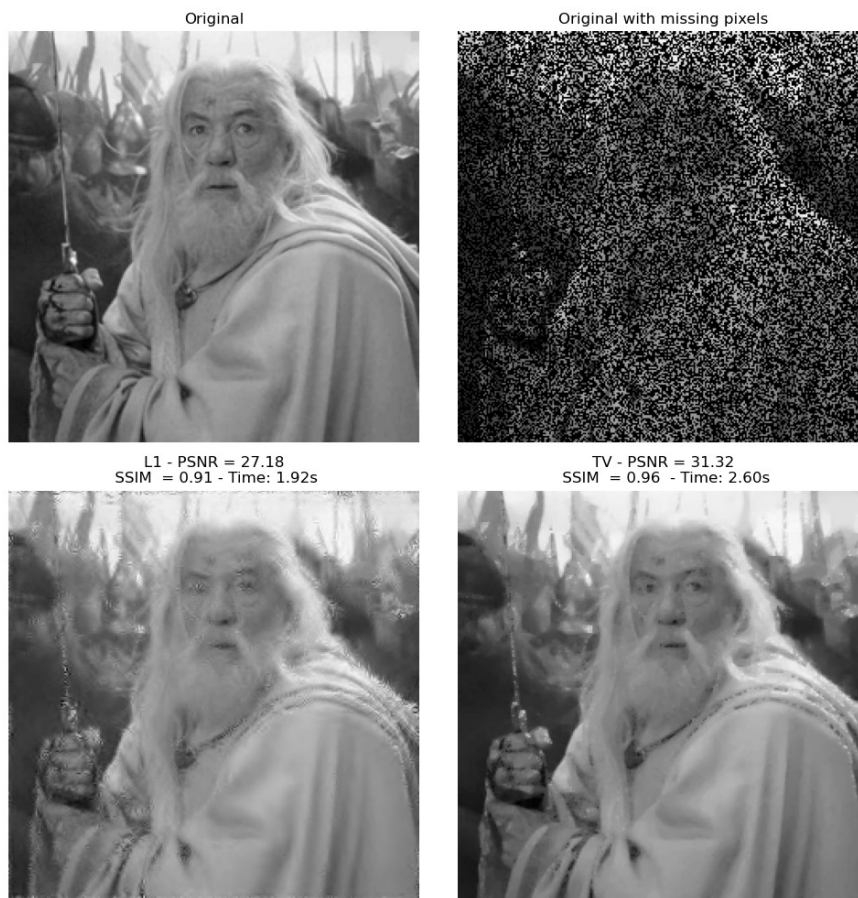


Figure 8 FISTA results

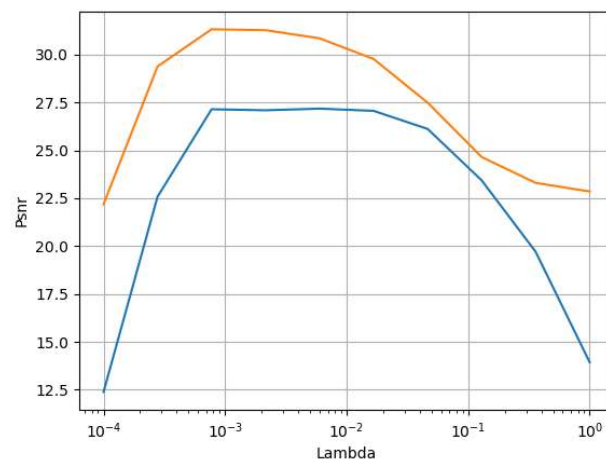


Figure 9 FISTA parameter sweep for λ_1 and λ_{TV} , blue and orange respectively



Figure 10 FISTAR results

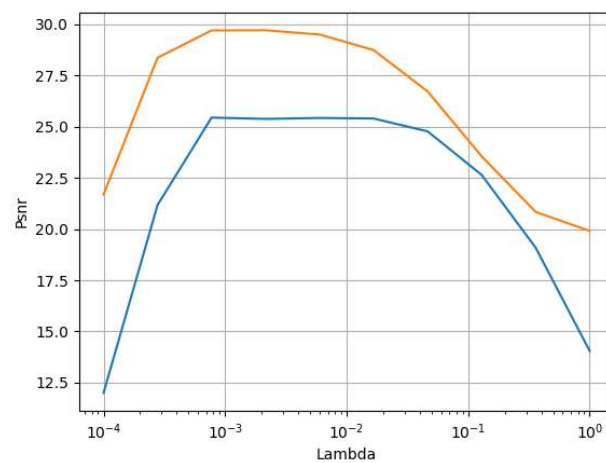


Figure 11 FISTAR parameter sweep for λ_1 and λ_{TV} , blue and orange respectively