

Chapter 05. 이미지 복원 (Image Reconstruction)

# 이미지 복원이란?

# 이미지 향상 vs. 이미지 복원



Original Image

Enhanced with SUACE



Input

Output

Image Enhancement

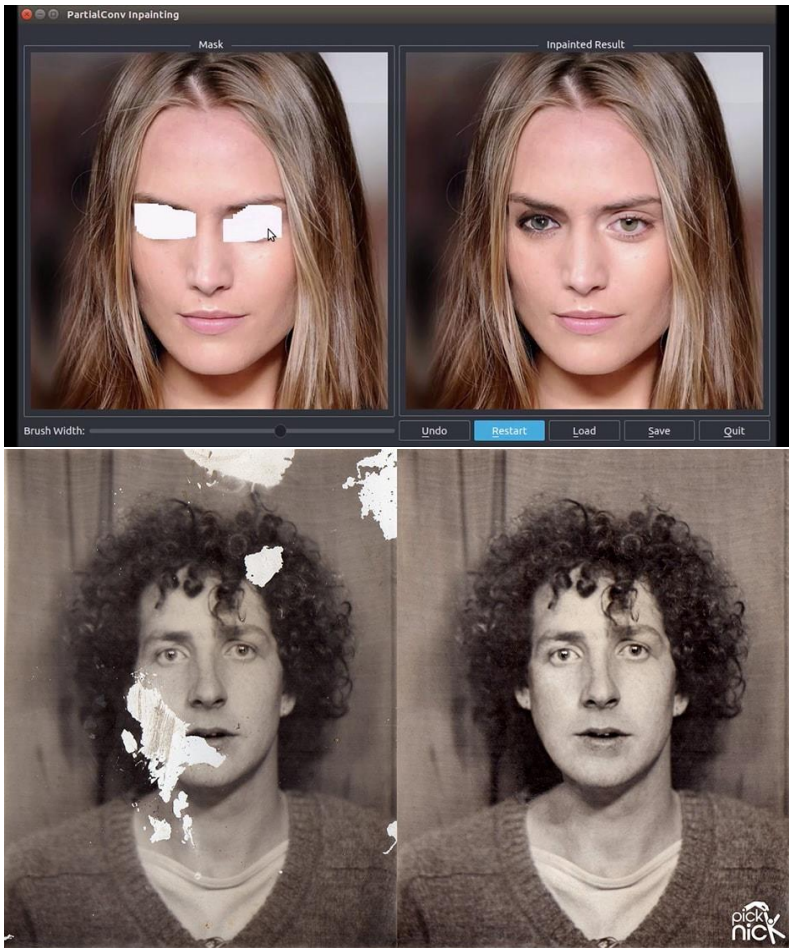
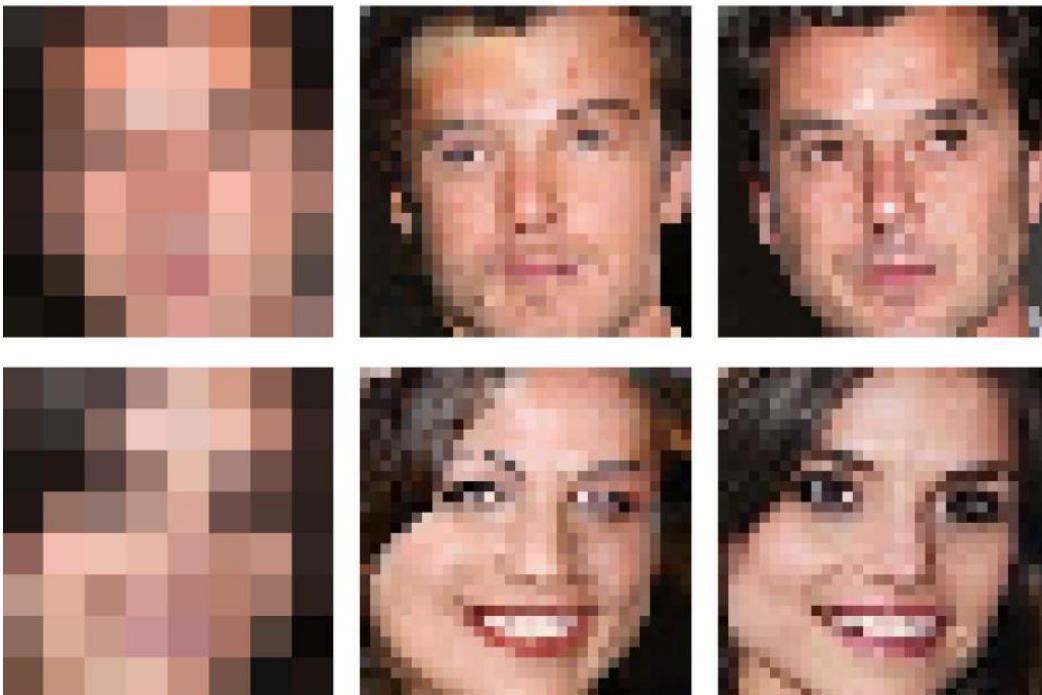


Image Reconstruction(Restoration)

# Image Super-Resolution (SR)



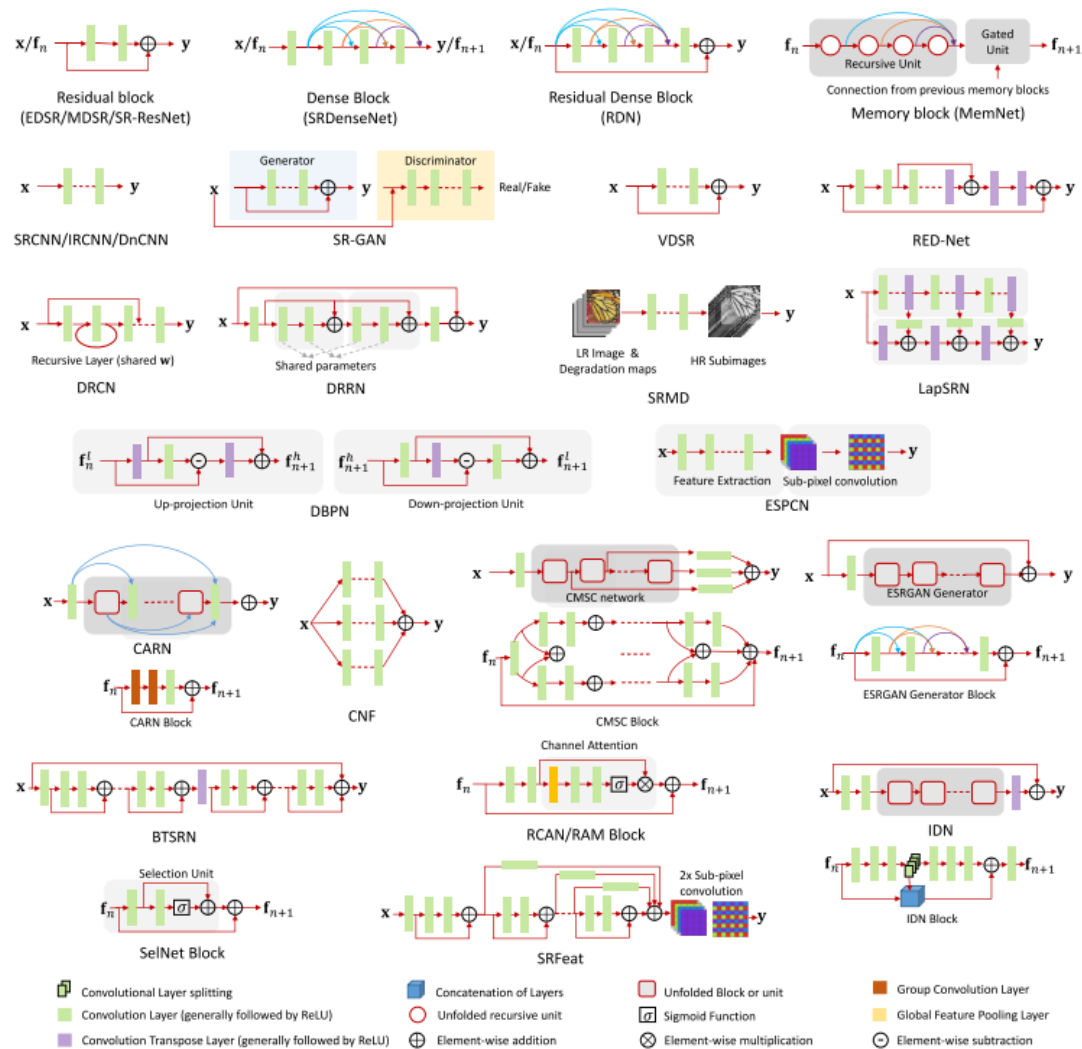
(l) Bicubic / 29.43db



(o) ESPCN / **33.66db**

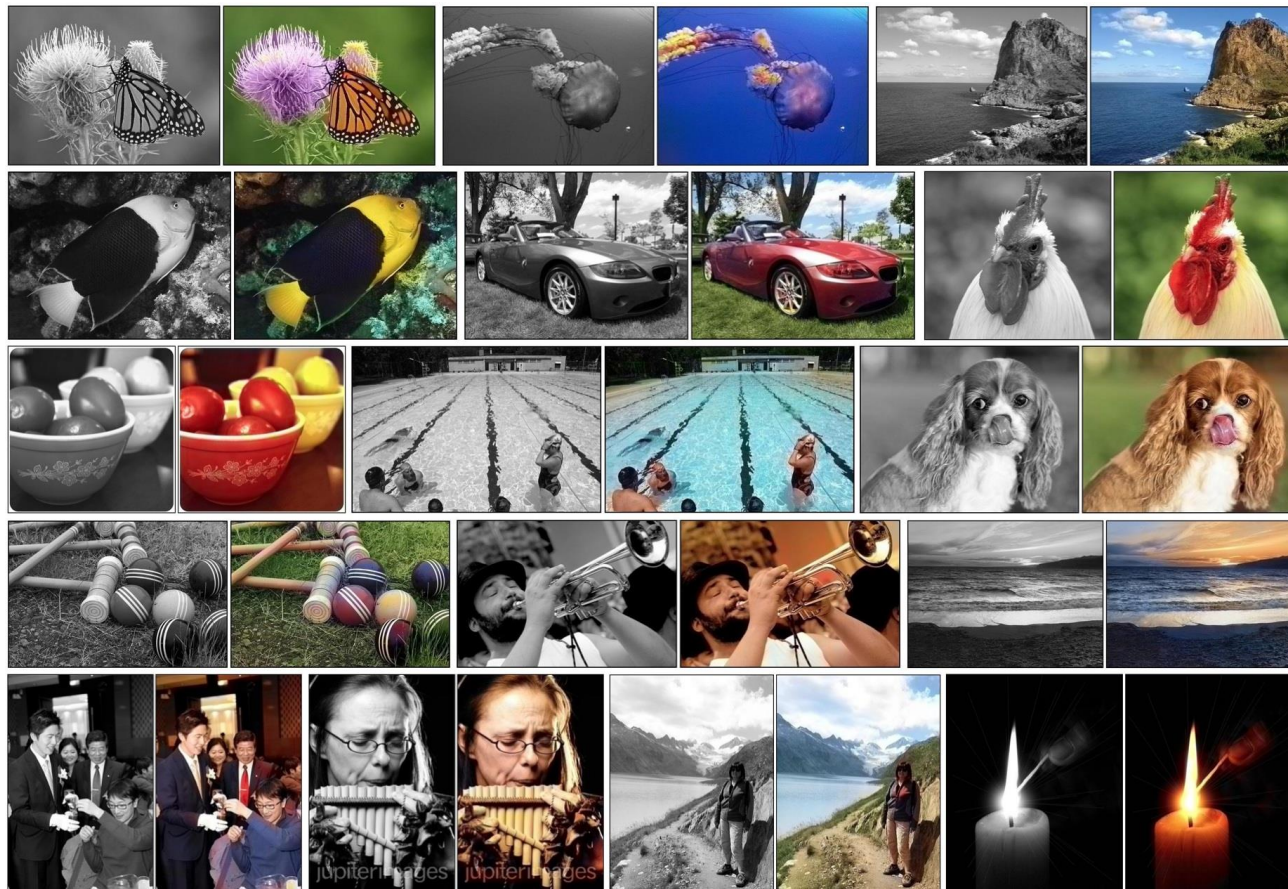
딥러닝이 도입된 이후로 급격하게 SR 성능이 향상되었다.

# SR Papers



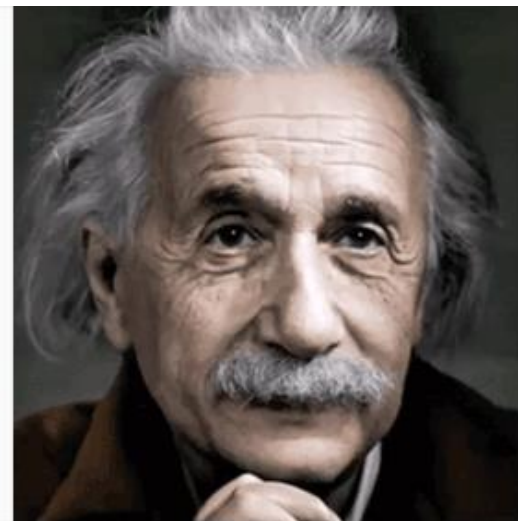
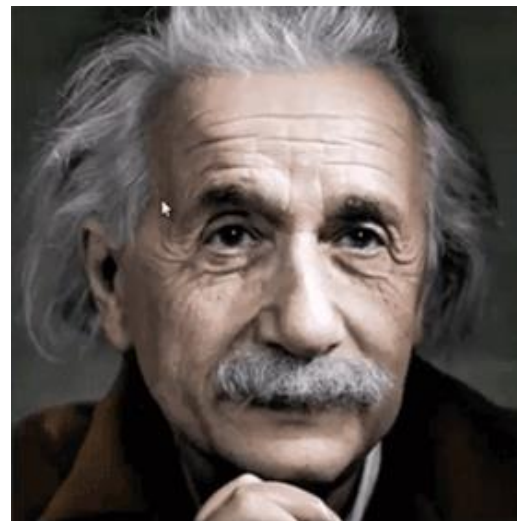


# Colorization



흑백 영상에 활기를 찾아주는 Colorization 알고리즘도 딥러닝이 매우 유효하다.

# Image Inpainting



빈 공간을 메우는 Inpainting 알고리즘은 이미지 편집에 매우 유용하게 쓰인다.