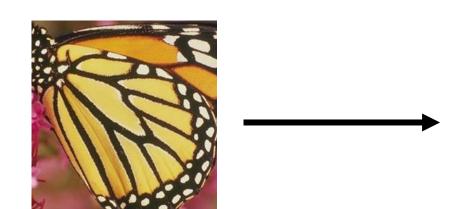
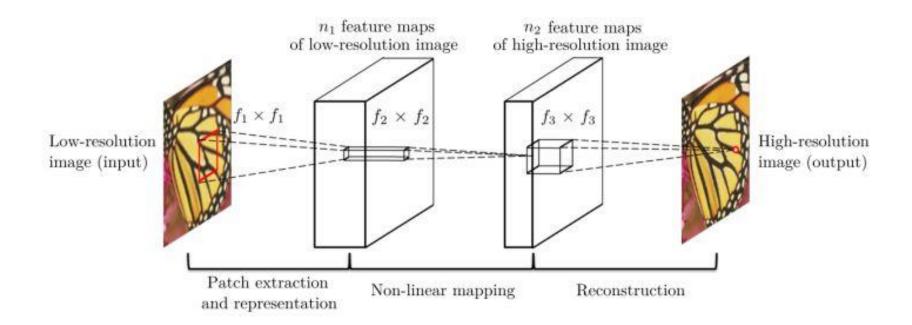
- ▶ 작은 이미지를 확대했을 때 화질이 좋지 않음.
- ▶ Convolution Neural Network를 통한 화질 개선.

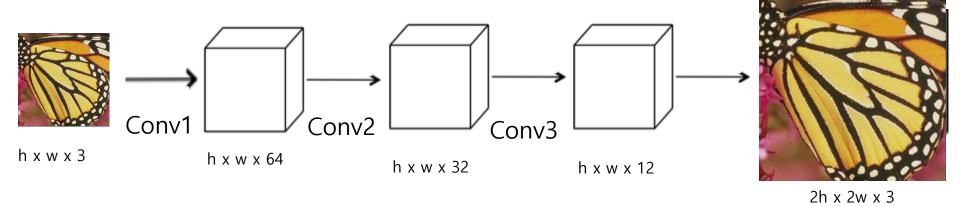




- ▶ 보통 Low Resolution과 high resolution의 해상도가 동일하게 맞추어서 진행.
- ▶ Low Revolution은 정보량이 낮음 → 많은 연산의 낭비.



Convolution Neural Network



Real-Time Single Image and Video Super-Resolution Using an Efficient Sub-Pixel Convolutional Neural Network (Wenzhe Shi, Jose Caballero, Ferenc Huszar1, Johannes Totz Andrew P. Aitken, Rob Bishop, Daniel Rueckert, Zehan Wang, Magic Pony Technology, Imperial College London).

Berkeley Segmentation Data Set







Berkeley Segmentation Data Set







Bilinear Interpolation vs CNN

