Cycle - GAN

Unpaired Image to Image Translation Using Cycle Consistent Adversarial Networks. (2018)

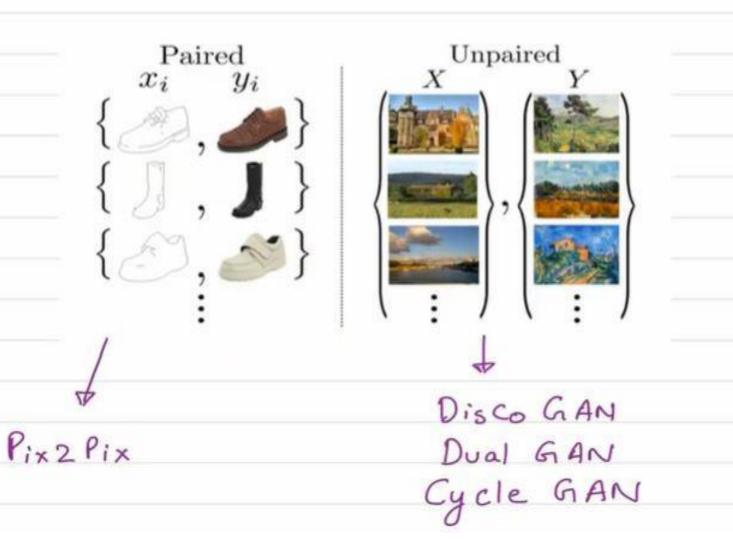
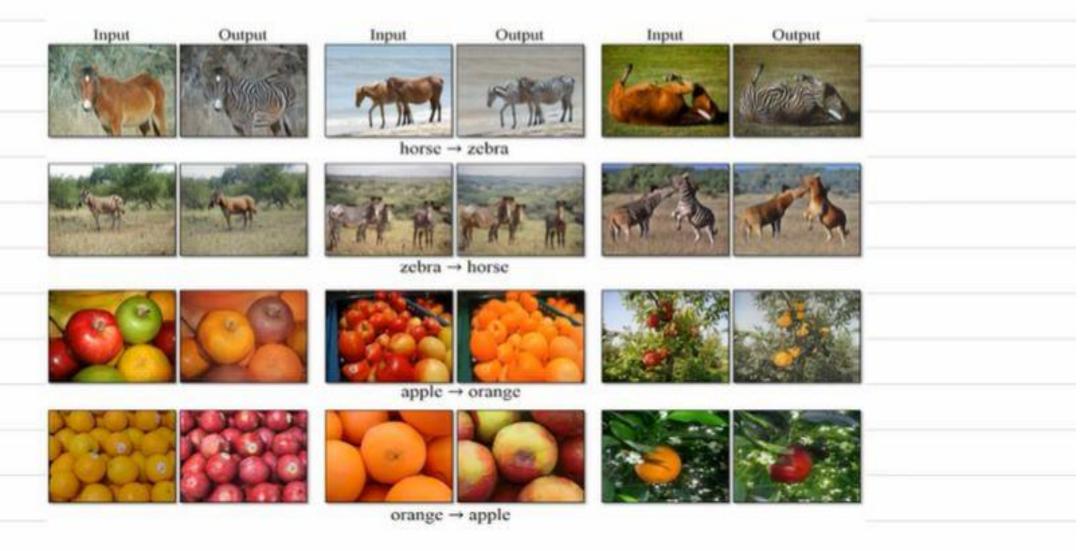
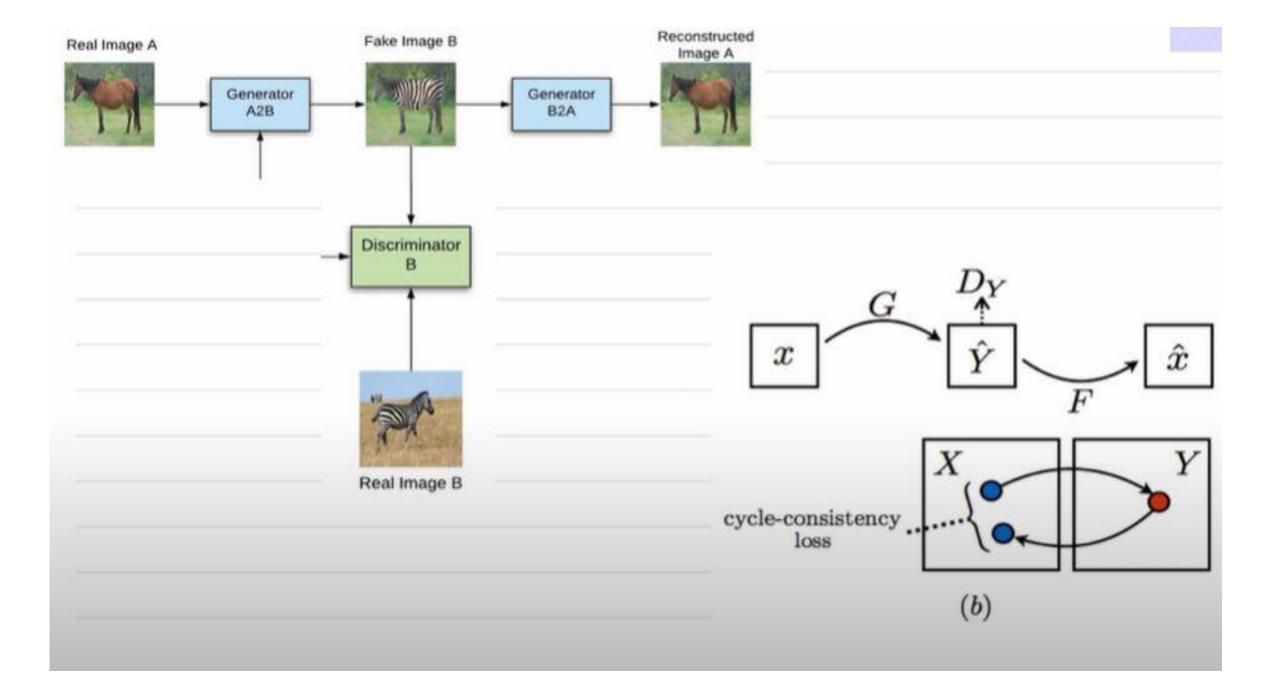
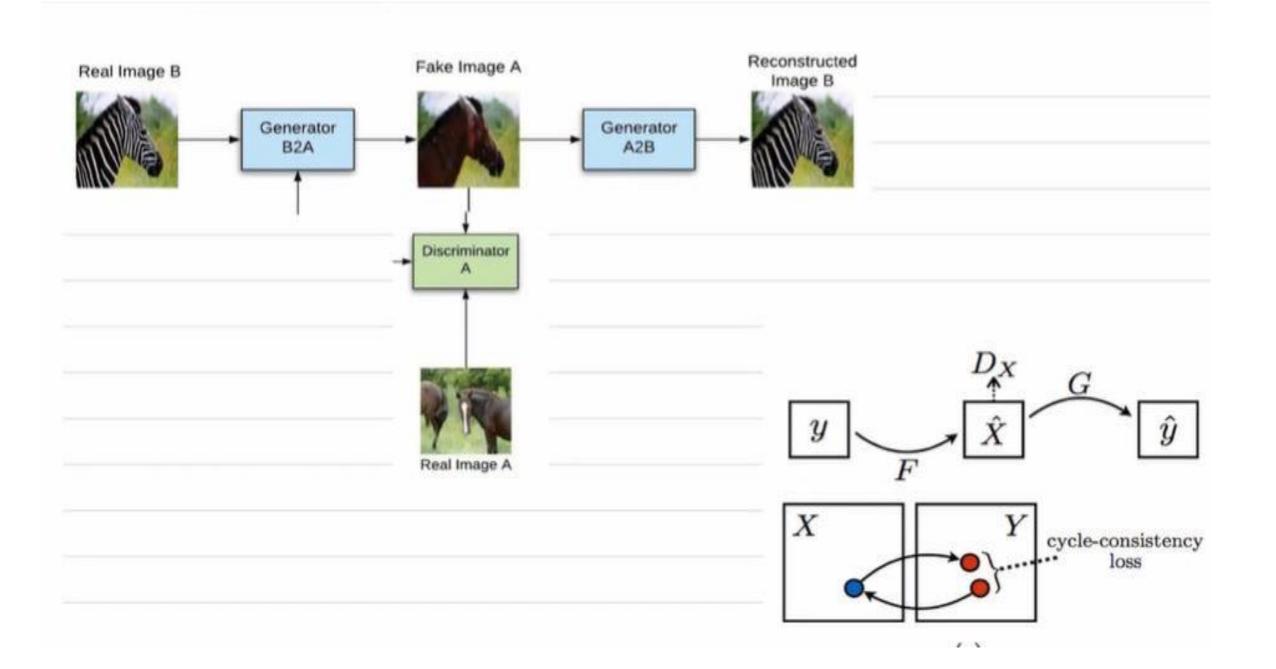
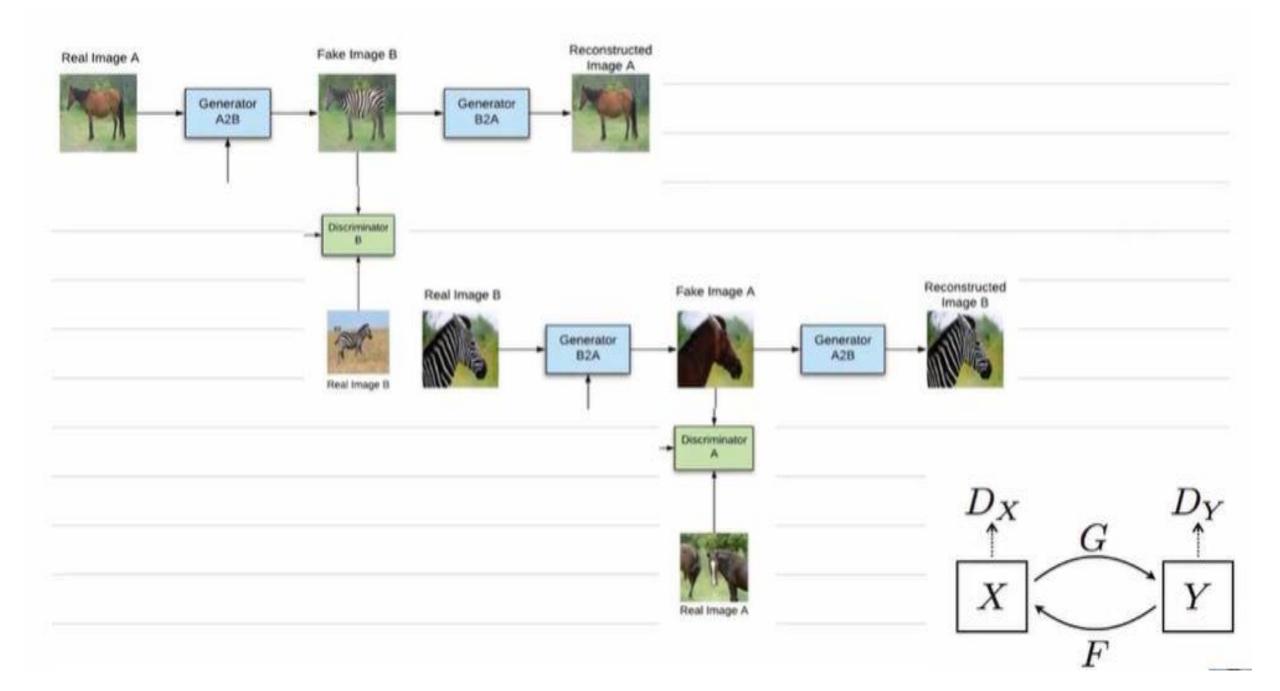


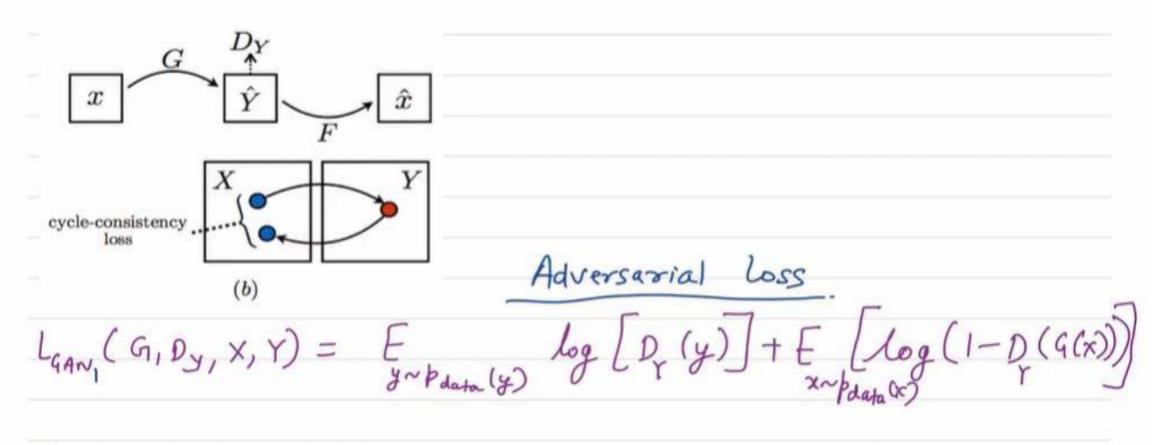
Image to Image Translation











 $L_{4AN_{2}}(F, D_{x}, Y, X) = E \int_{X \sim P_{data}(X)} log \left[D_{x}(X)\right] + E \left[log(1-D_{x}(Fly))\right]$

Combined objective function is

Ophmization: $G^*, F^* = arg min max L(G, F, D_x, D_y)$ G, F, D_x, D_y