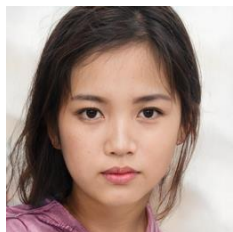
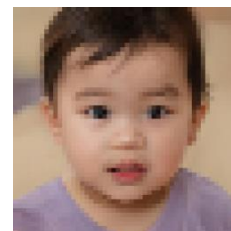


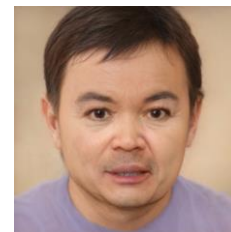
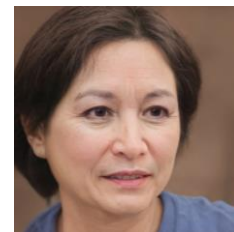
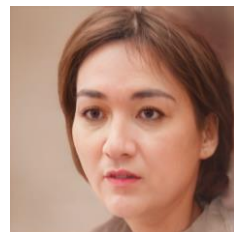
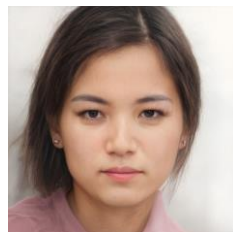
Original



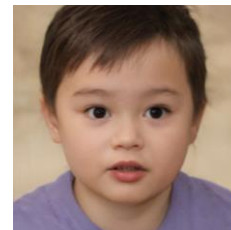
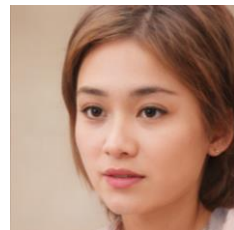
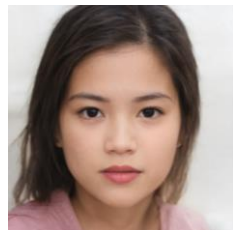
Blurred



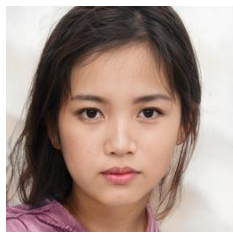
Aged



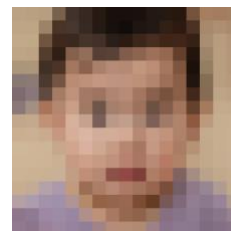
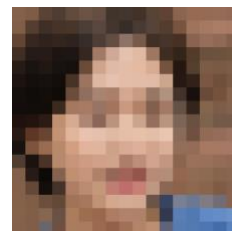
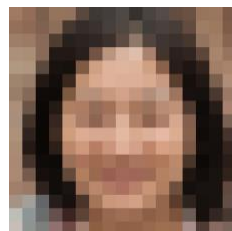
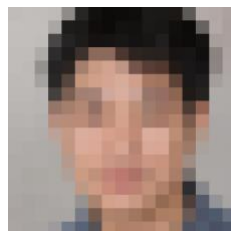
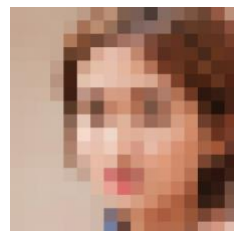
Recoverd



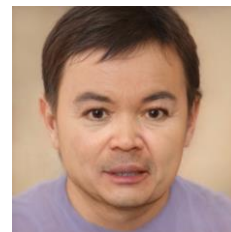
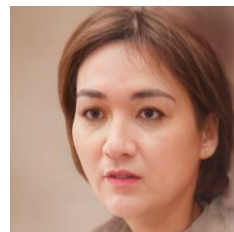
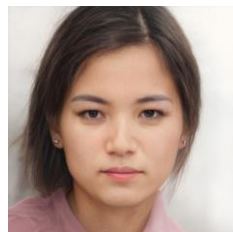
Original



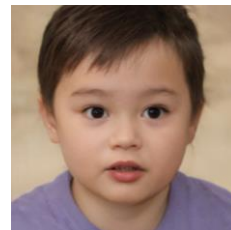
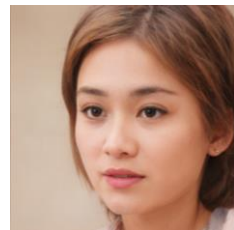
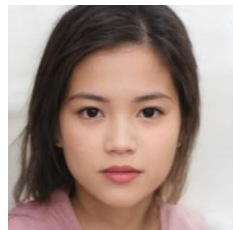
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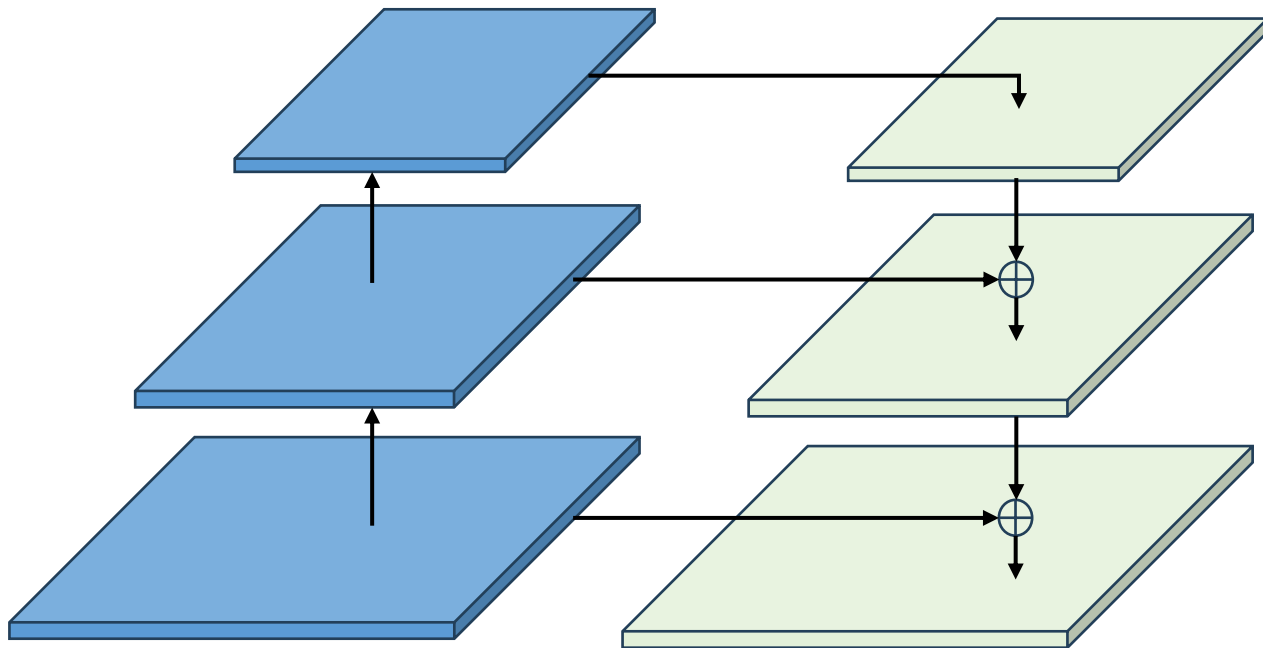


Aged



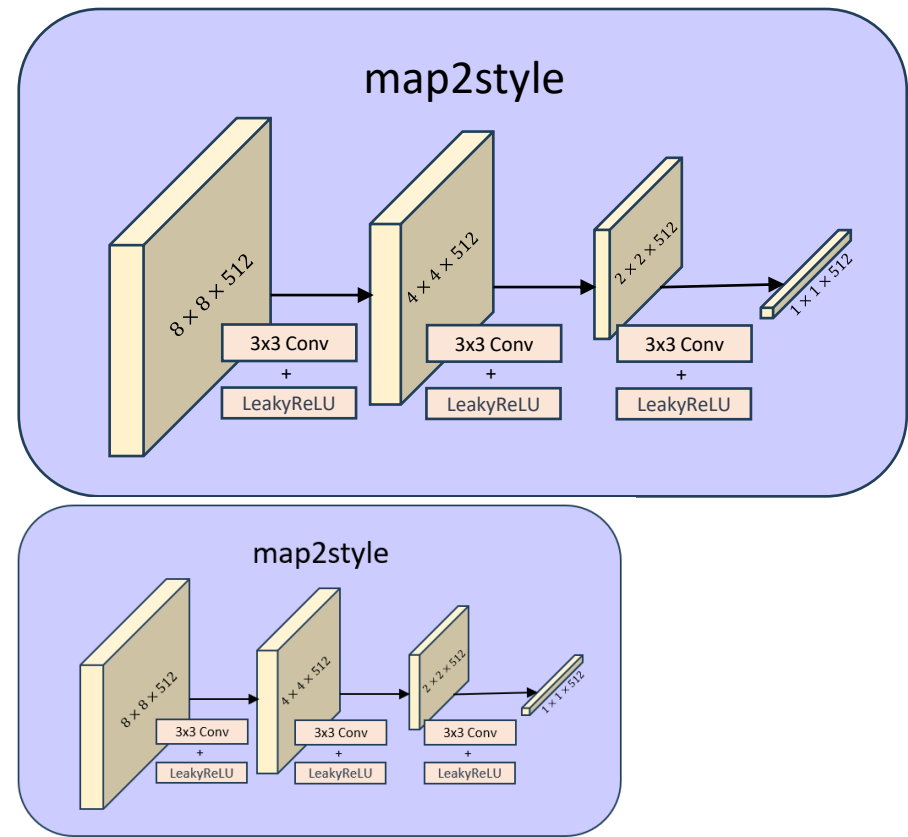
Recoverd



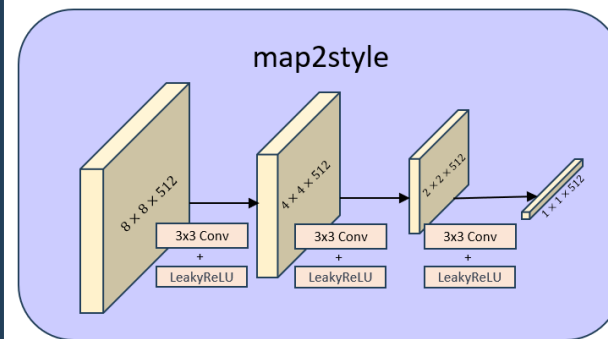
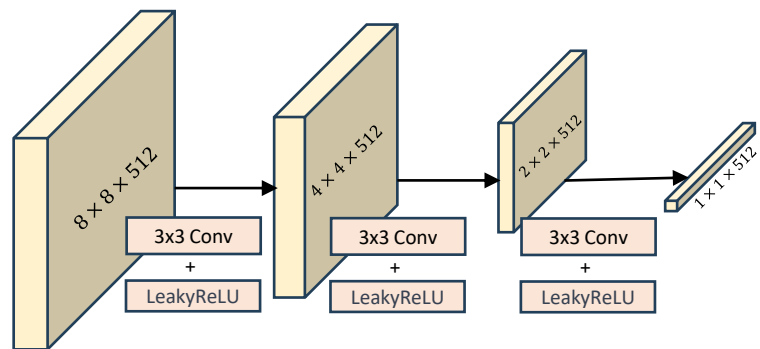


a) ResNet

b) Feature pyramid



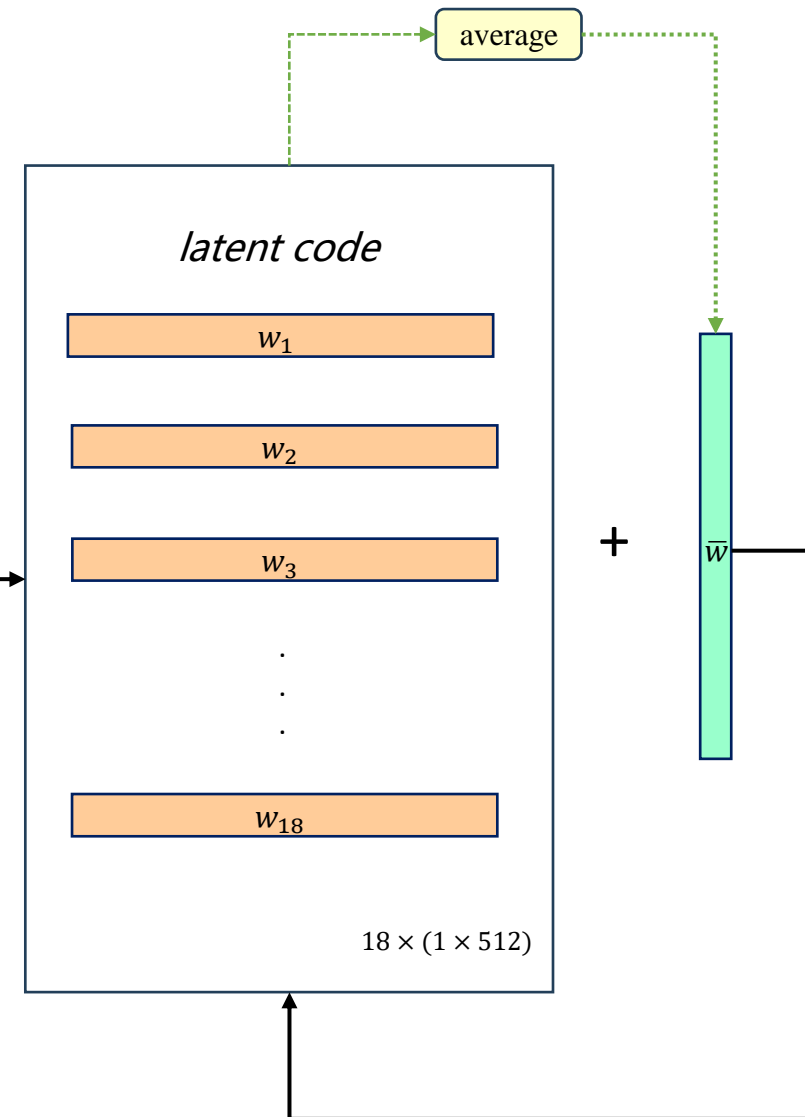
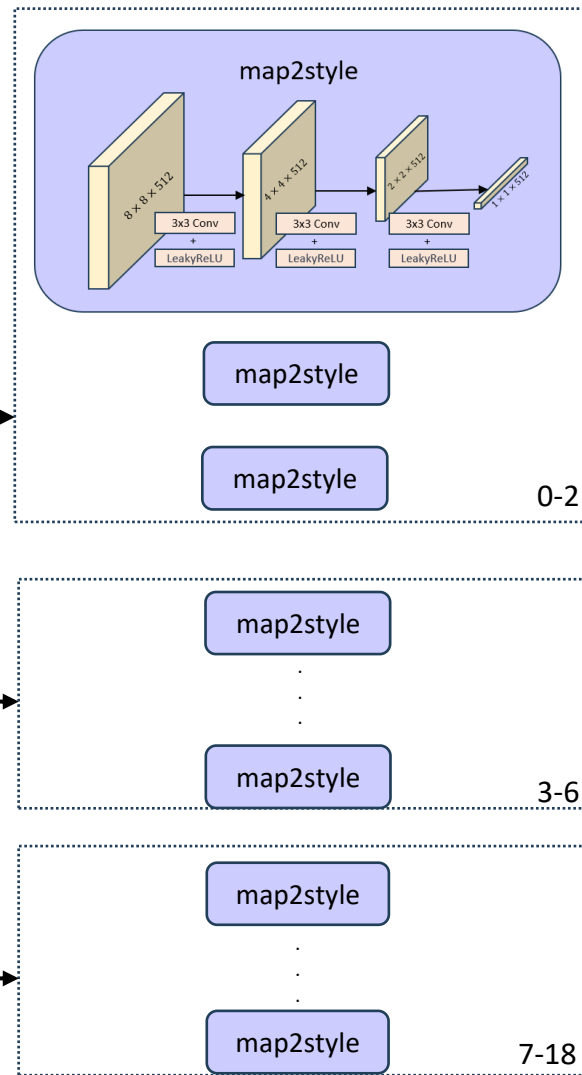
map2style





Input Image

pSp Encoder

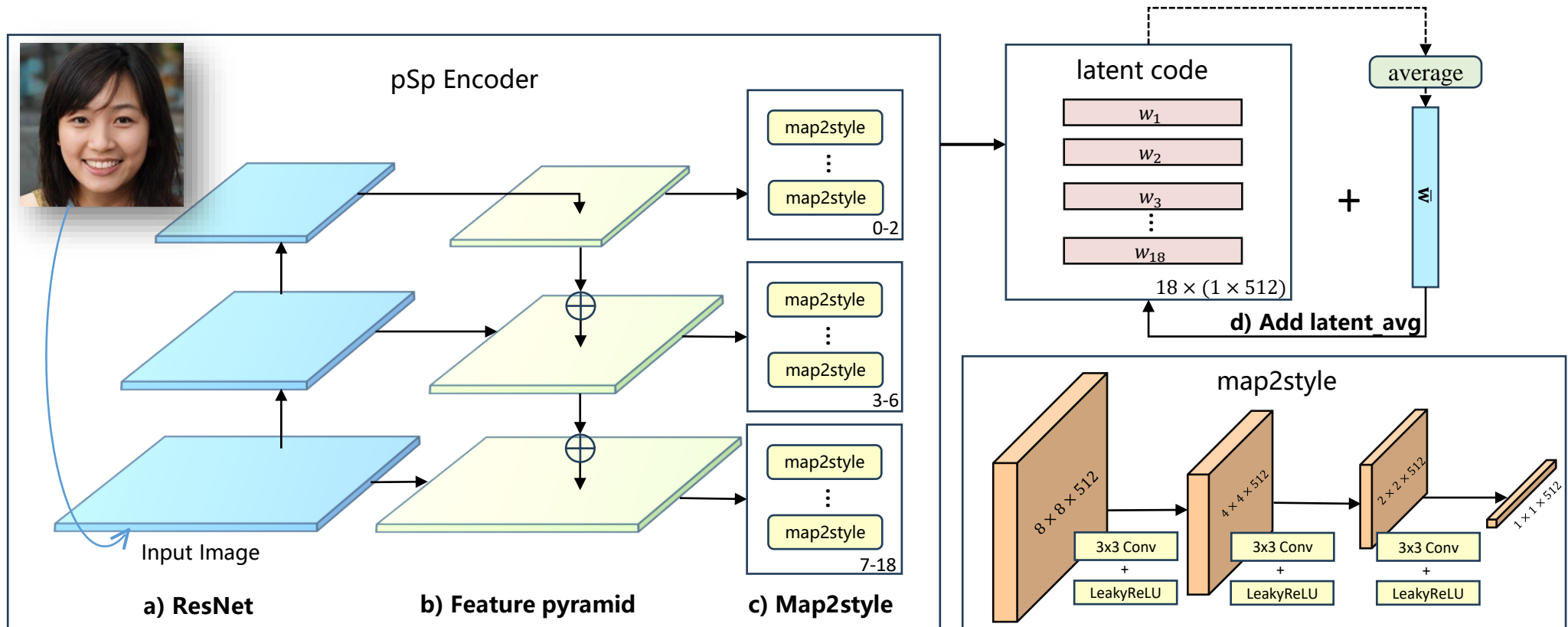


a) ResNet

b) Feature pyramid

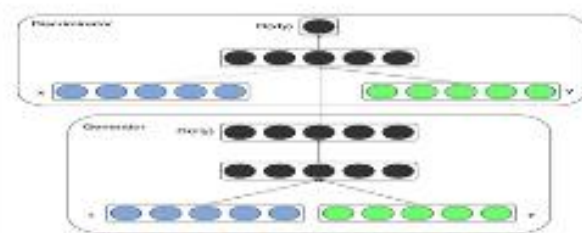
c) Map2style

d) Add latent_avg





Extracting semantic features of face and encrypting transmission



GAN I



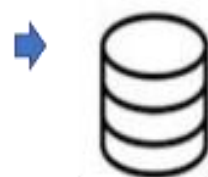
Cloud storage of semantic secret key



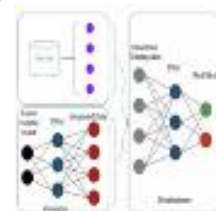
Query human face terminal



Face Detection & Gaussian encryption



video local storage



GAN II



Results output

