Controllable 3D-aware GAN (SURF-GAN)

3D-aware image synthesis



+ Attribute control







3D-Controllable StyleGAN

Explicit control over pose

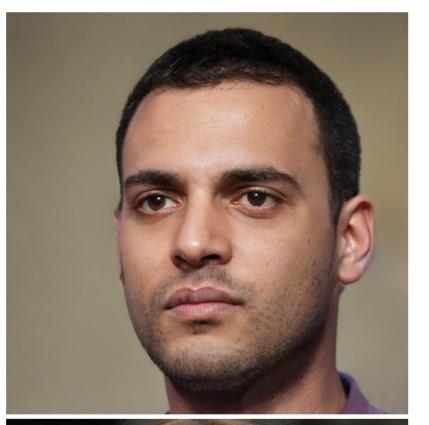


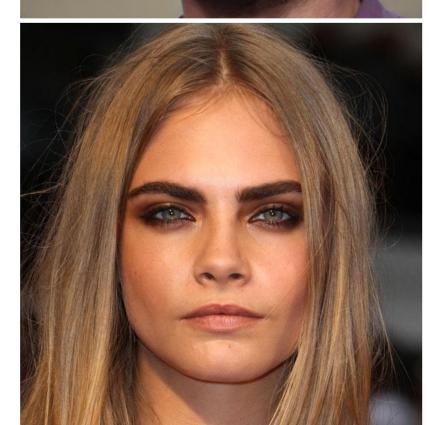




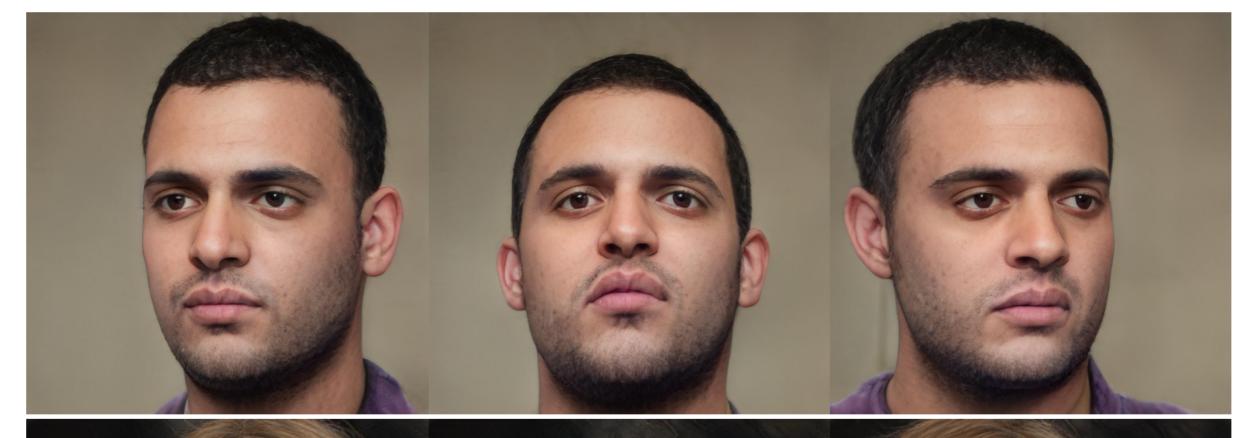
+ Editing

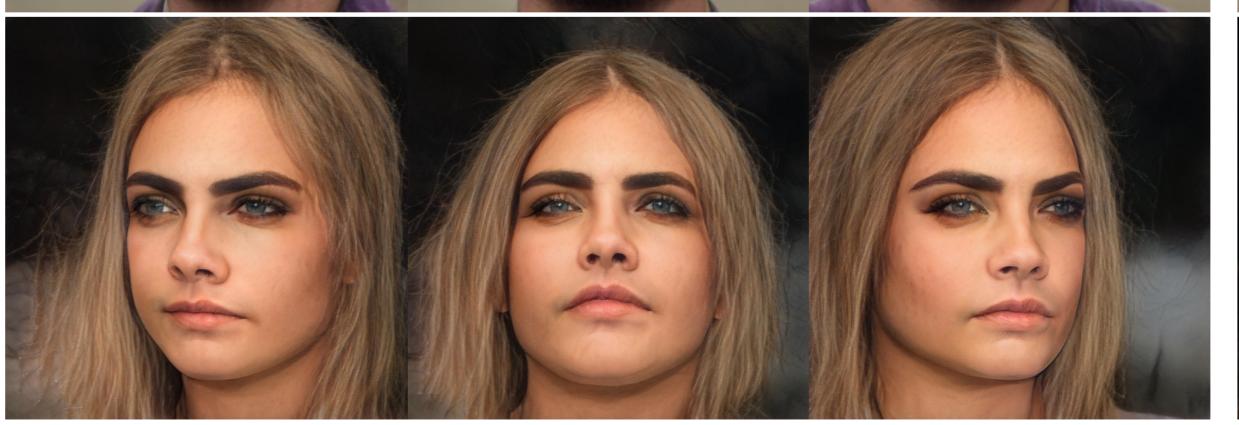
Novel view synthesis of real image











 $Yaw = -25^{\circ}$ $Pitch = 0^{\circ}$

 $Yaw = 0^{\circ}$ $Pitch = 20^{\circ}$

 $ch = 0^{\circ}$

 $Yaw = 25^{\circ}$ $Pitch = 0^{\circ}$

 $Yaw = 0^{\circ}$ $Pitch = 0^{\circ}$

 $Yaw = 30^{\circ}$ $Pitch = 15^{\circ}$

+ Style

