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- 'generative adversarial network'
 - in depth look -
- Future

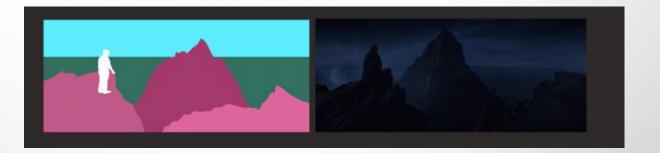


- Techniques & technical developments
- Non-exhaustive
- No philosophical or ethical ramafications

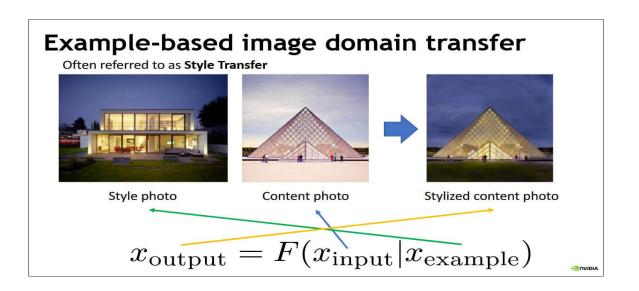


Environmental and object generation

- Automated image creation
- Nvidea GauGAN
- Domain tranfer











- Cutting out the middle man
- Image segmentation
- Green screen
- Hair matte







Motion capture

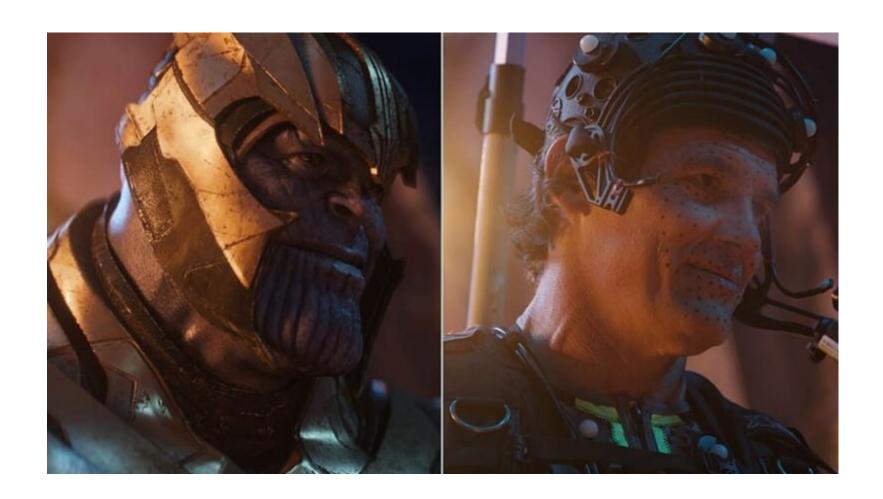
- Auto body face track
- Cleaning and enhancing





- Auto body face track
- Cleaning and enhancing
- Thanos





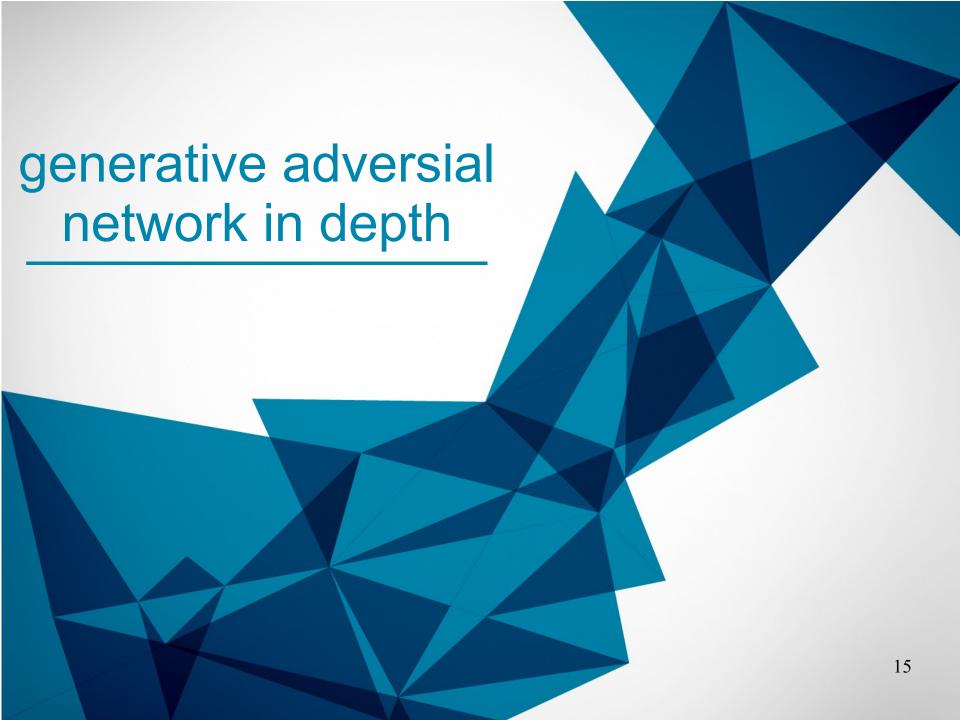
Color grading

- Look and feel
- Weather changes
- Light changes
- Day for night



Other

- In betweening
- Normal and depth map generation
- Editing
- •







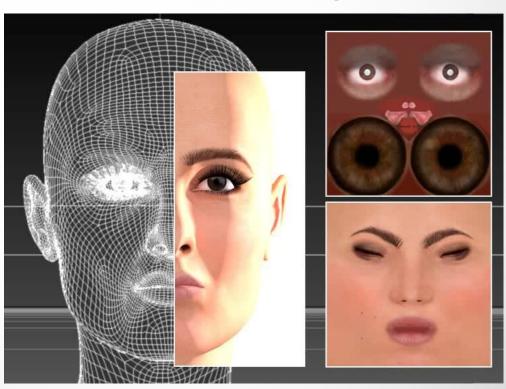
- Sub-Reddit deepfake
- CNN and GAN
- User-friendly
- Rivalling Hollywood

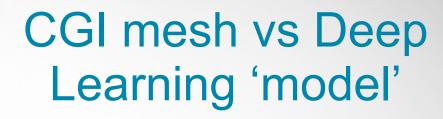
Disruption

- Permission to fake
- Automation of CGI trades

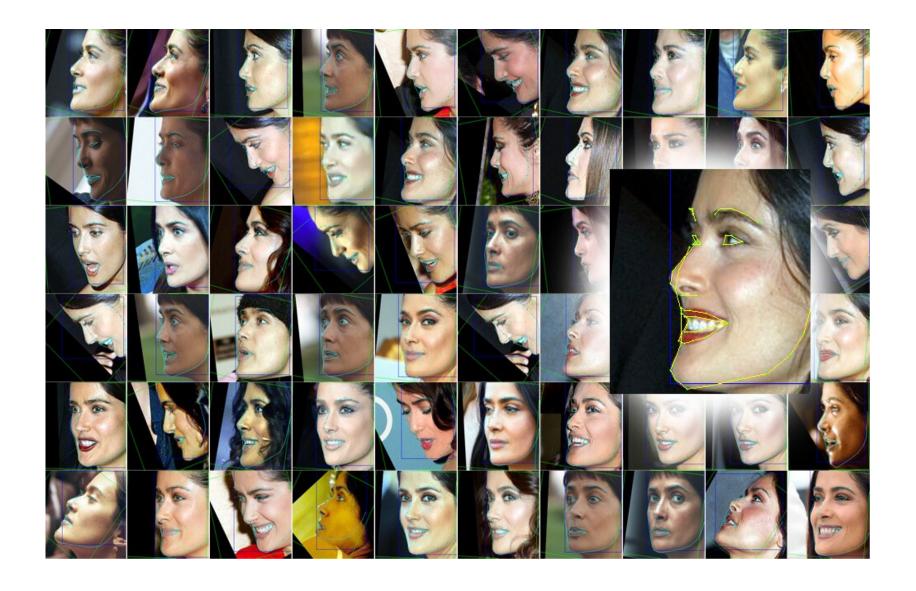
CGI mesh vs Deep Learning 'model'

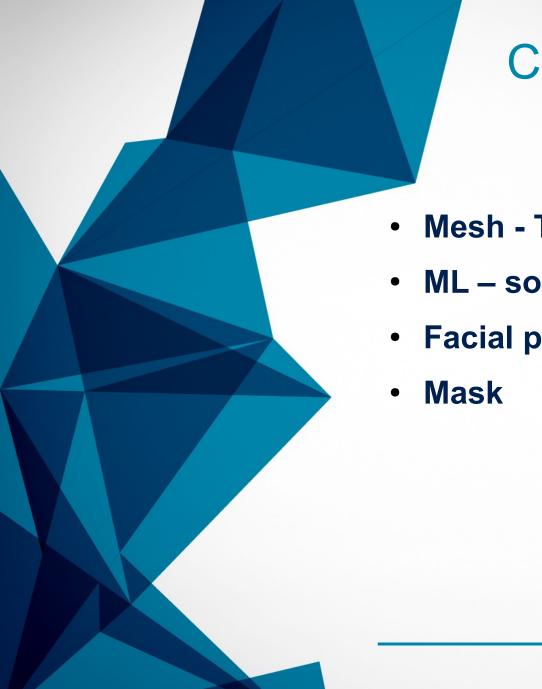
Mesh-Texture image





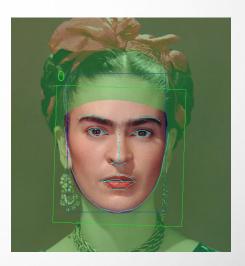
- Mesh Texture image
- ML source images
- Facial pose estimation





CGI mesh vs Deep Learning 'model'

- Mesh Texture image
- ML source images
- Facial pose estimation





- Mesh Texture image
- ML source images
- Facial pose estimation
- Mask
- 'Ground truth'
- Domain transfer



Hollywood upstaged

Superman's mustache







- Superman's mustache
- Young Leia







- Superman's mustache
- Young Leia
- Irishman









- (Reluctant) Adoption
- Lack of control
- Investments
- Changing old CGI pipe lines
- Re-skilling
- Nvidea GPU

SOURCES

https://rossdawson.com/futurist/im plications-of-ai/comprehensiveguide-ai-artificial-intelligencevisual-effects-vfx/

