

Applications



Applications

Computer Vision A-Z



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Applications

GANs can be used for:

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Applications

GANs can be used for:

- Generating Images

Applications

GANs can be used for:

- Generating Images
- Image Modification

Applications

GANs can be used for:

- Generating Images
- Image Modification
- Super Resolution

Applications

GANs can be used for:

- Generating Images
- Image Modification
- Super Resolution
- Assisting Artists

Applications

GANs can be used for:

- Generating Images
- Image Modification
- Super Resolution
- Assisting Artists
- Photo-Realistic Images

Applications

GANs can be used for:

- Generating Images
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- Photo-Realistic Images
- Speech Generation

Applications

GANs can be used for:

- Generating Images
- Image Modification
- Super Resolution
- Assisting Artists
- Photo-Realistic Images
- Speech Generation
- Face Ageing

Applications

Generating Images

Applications

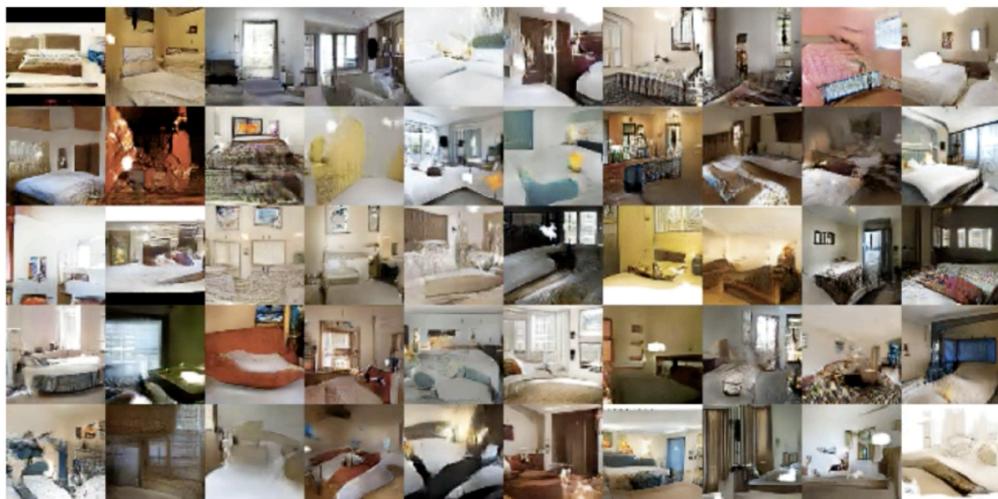


Source: <https://arxiv.org/pdf/1511.06434.pdf>

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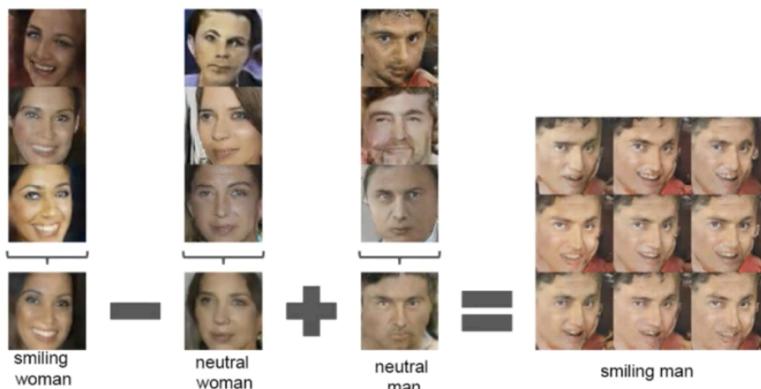
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Image Modification

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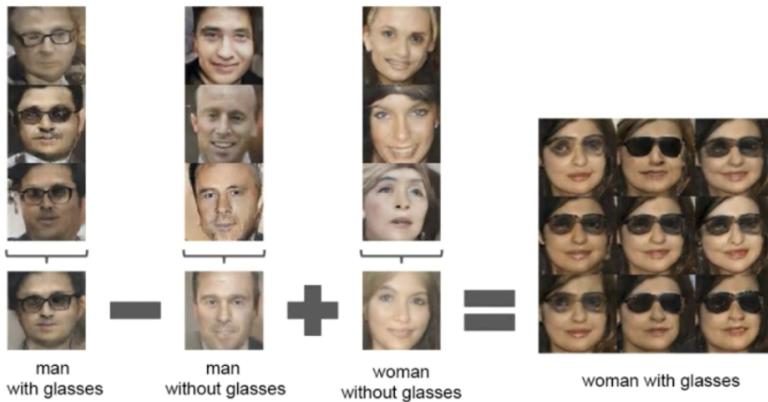
Source: <https://arxiv.org/pdf/1511.06434.pdf>

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This is an equation in which if you subtract the smiling women to the non-smiling women and then plus them with a non-smiling men then you will get a smiling man

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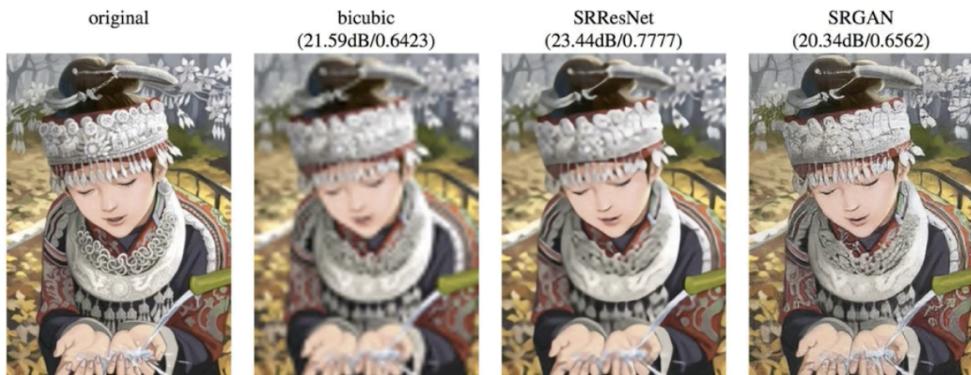
Super Resolution

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In here we can get the resolution back to its original

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Source: Ian Goodfellow's presentation

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while taking back some of the resolution, some small detail will be changed like if you notice its hat there are some changes to its actual shape.

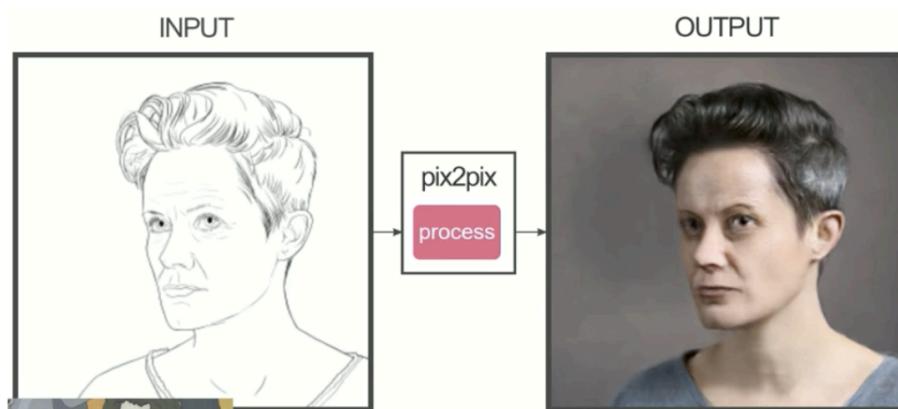
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Photo-Realistic Images

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Source: https://www.youtube.com/watch?v=9cgFPttB_RQ

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This is getting the first sketch and then making it more realistic.

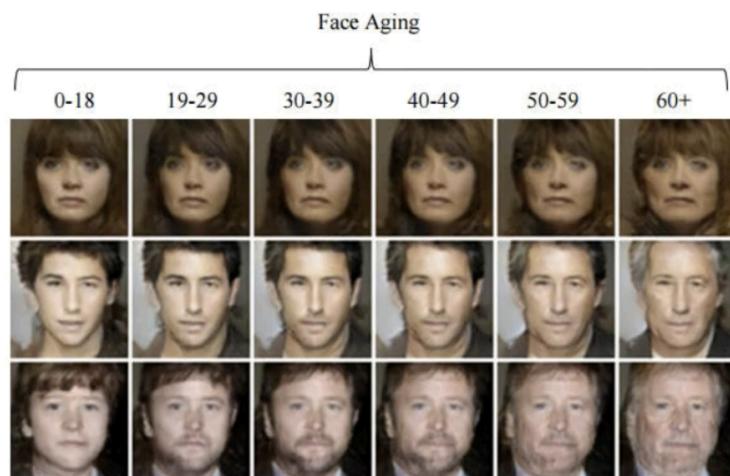
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Face Ageing

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Additional Reading

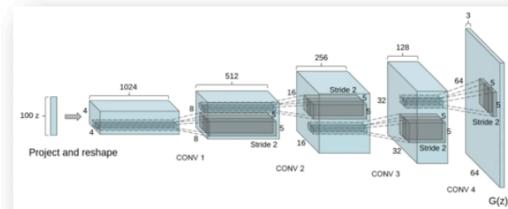
Additional Reading:

*Unsupervised Representation Learning
With Deep Convolutional Generative
Adversarial Networks*

Alec Radford et al. (2015)

Link:

<https://arxiv.org/pdf/1511.06434.pdf>



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Additional Reading

Youtube Video:

ARTIST Vs. PIX2PIX - Is This Humor Or Horror?!

Link:



https://www.youtube.com/watch?v=9cgFPttB_RQ

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