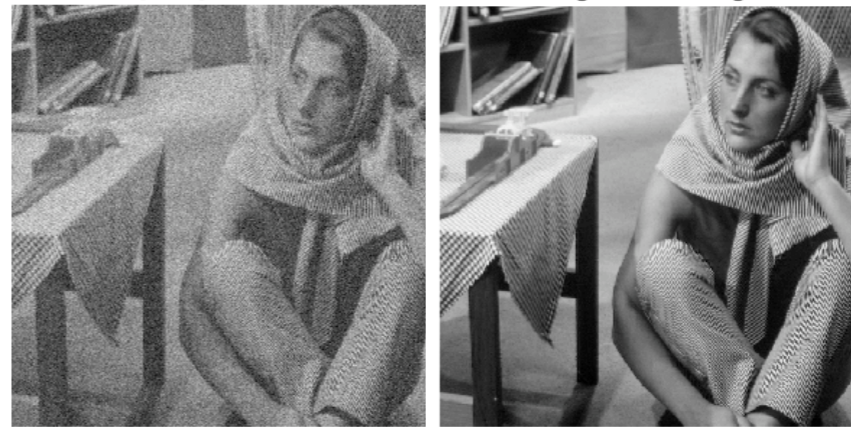


Image editing

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Image editing

- Computer graphics tasks
 - Image restoration
 - Inpainting
 - Denoising
 - Matting / compositing
 - Style transfer

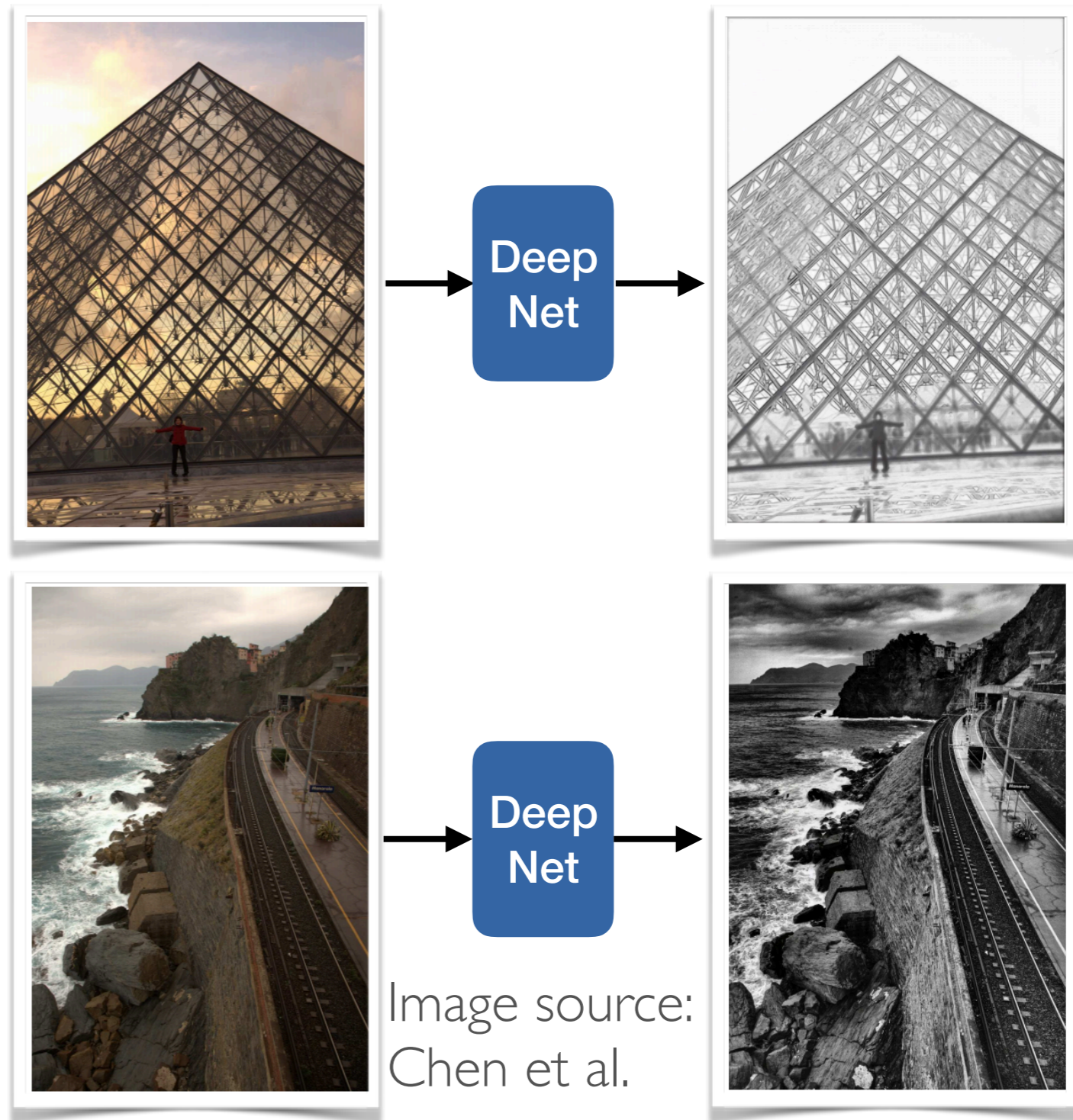


source: Xu et al., <https://arxiv.org/pdf/1703.03872.pdf>

source: Gatys et al., <https://arxiv.org/abs/1508.06576>

How are many image processing tasks done?

- Deep network
- Input: Original
- Output: Desired output



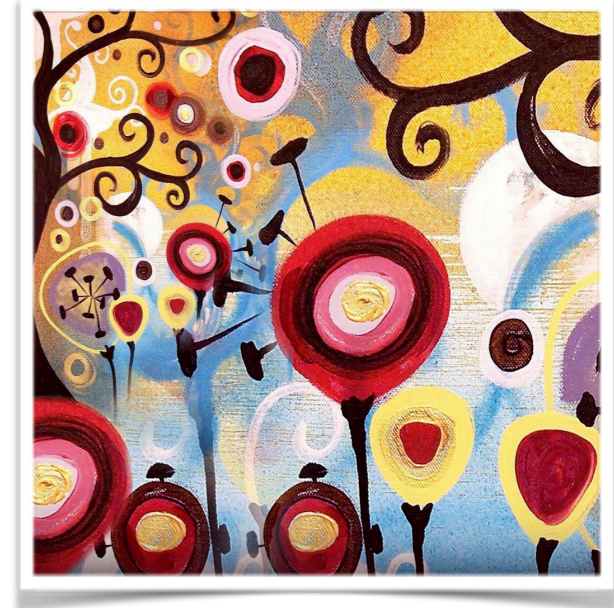
Fast Image Processing with Fully-Convolutional Networks, Chen et al., ICCV 2017

Image source:
Chen et al.

Style transfer



+



- Content of source
- Style of target



Image generative by https://github.com/pytorch/examples/tree/master/fast_neural_style