

# Deep Restore

## Inpainting Comparision

October 28, 2018

## Description

- ▶ Comparison of 3 CNN approaches
- ▶ for the densenet approach, we copy the input image to the path over the network, relu output
- ▶ for the densenet add aproaches we add the input image the the predicted inpainted image, linear output
- ▶ one with mask, one without

# Test - Ex1



(a) Input



(b) Mask



(c) GT Output



(a) densenet add mask

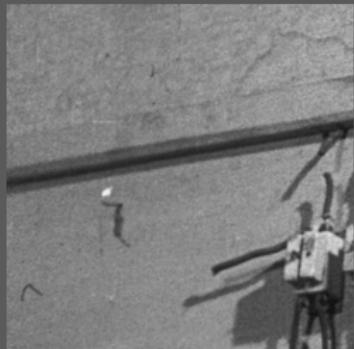


(b) densenet add



(c) densenet

## Test - Ex2



(a) Input



(b) Mask



(c) GT Output



(a) densenet add mask



(b) densenet add



(c) densenet

# Test - Ex3



(a) Input



(b) Mask



(c) GT Output



(a) densenet add mask



(b) densenet add

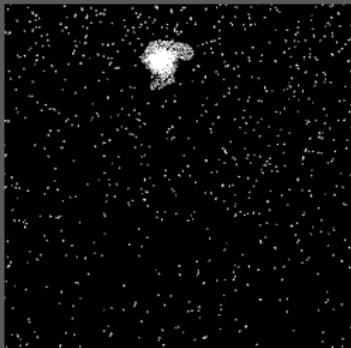


(c) densenet

# Test - Ex4



(a) Input



(b) Mask



(c) GT Output



(a) densenet add mask



(b) densenet add



(c) densenet

# Test - Ex5



(a) Input



(b) Mask



(c) GT Output



(a) densenet add mask



(b) densenet add

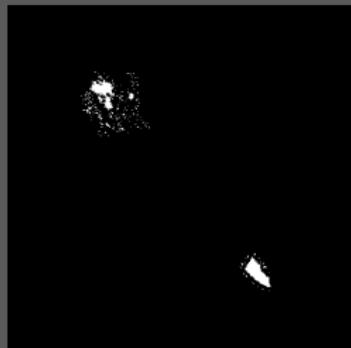


(c) densenet

# Test - Ex6



(a) Input



(b) Mask



(c) GT Output



(a) densenet add mask



(b) densenet add



(c) densenet

# Test - Ex7



(a) Input



(b) Mask



(c) GT Output



(a) densenet add mask



(b) densenet add

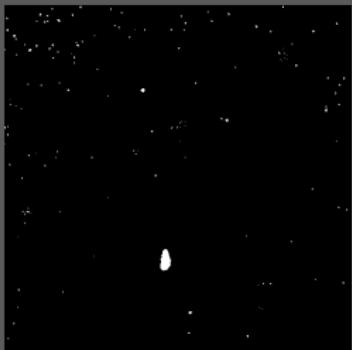


(c) densenet

## Test - Ex8



(a) Input



(b) Mask



(c) GT Output



(a) densenet add  
mask



(b) densenet add



(c) densenet

# Test - Ex9



(a) Input



(b) Mask



(c) GT Output



(a) densenet add mask



(b) densenet add



(c) densenet

# Test - Ex10



(a) Input



(b) Mask



(c) GT Output



(a) densenet add mask



(b) densenet add

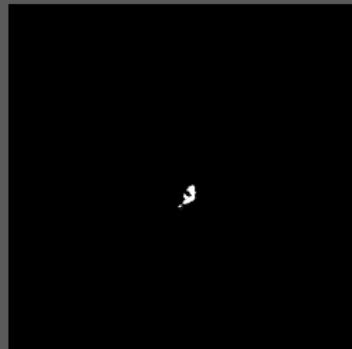


(c) densenet

# Test - Ex11



(a) Input



(b) Mask



(c) GT Output



(a) densenet add mask



(b) densenet add

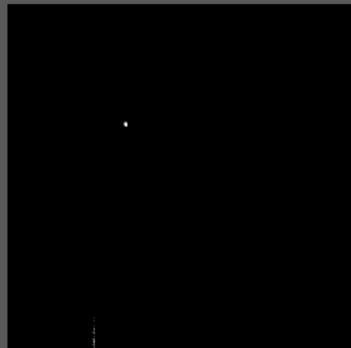


(c) densenet

# Test - Ex12



(a) Input



(b) Mask



(c) GT Output



(a) densenet add mask



(b) densenet add

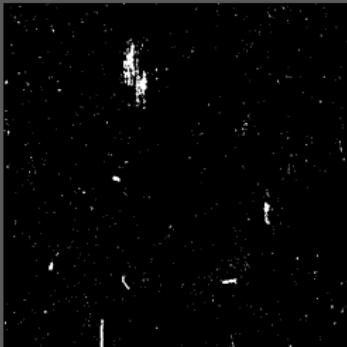


(c) densenet

# Test - Ex13



(a) Input



(b) Mask



(c) GT Output



(a) densenet add mask



(b) densenet add

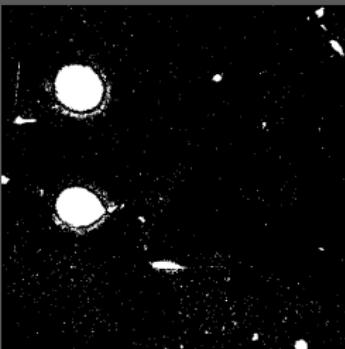


(c) densenet

# Test - Ex14



(a) Input



(b) Mask



(c) GT Output



(a) densenet add mask



(b) densenet add

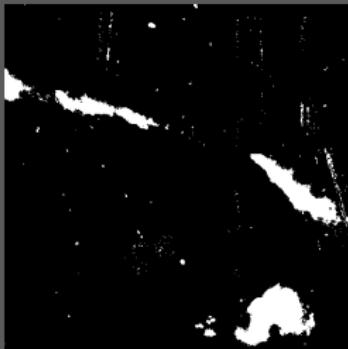


(c) densenet

# Test - Ex15



(a) Input



(b) Mask



(c) GT Output



(a) densenet add mask



(b) densenet add



(c) densenet