

Deep Restore

Inpainting Comparision

November 5, 2018

Description

- ▶ Comparison of 4 CNN approaches
- ▶ input: 3 color channels for previous, current, next
- ▶ adding CNNs linear output function
- ▶ const learning rate

Test - Ex1



(a) Input



(b) Mask



(c) GT Output



(a) adam



(b) rms



(c) rms mask

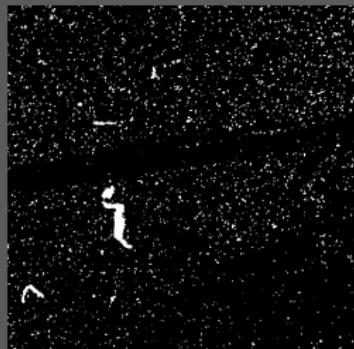


(d) stochastic

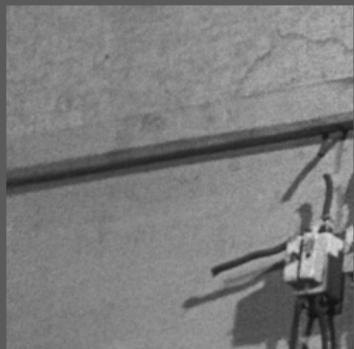
Test - Ex2



(a) Input



(b) Mask



(c) GT Output



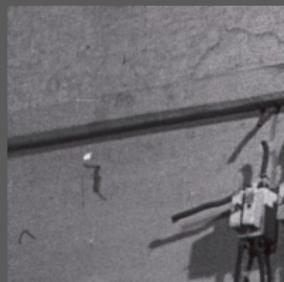
(a) adam



(b) rms



(c) rms mask

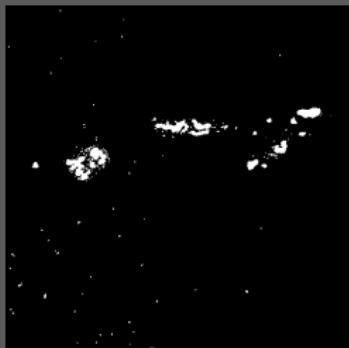


(d) stochastic

Test - Ex3



(a) Input



(b) Mask



(c) GT Output



(a) adam



(b) rms



(c) rms mask

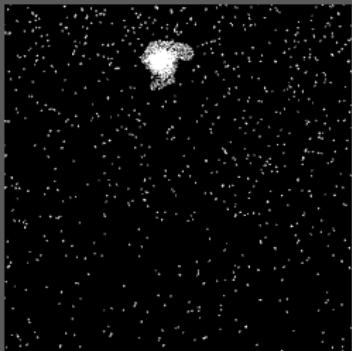


(d) stochastic

Test - Ex4



(a) Input



(b) Mask



(c) GT Output



(a) adam



(b) rms



(c) rms mask



(d) stochastic

Test - Ex5



(a) Input



(b) Mask



(c) GT Output



(a) adam



(b) rms



(c) rms mask

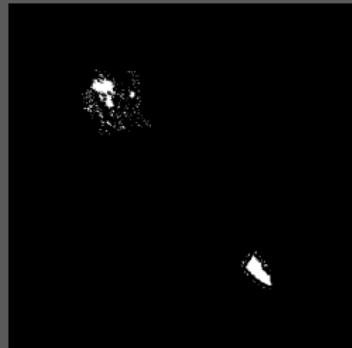


(d) stochastic

Test - Ex6



(a) Input



(b) Mask



(c) GT Output



(a) adam



(b) rms



(c) rms mask



(d) stochastic

Test - Ex7



(a) Input



(b) Mask



(c) GT Output



(a) adam



(b) rms



(c) rms mask

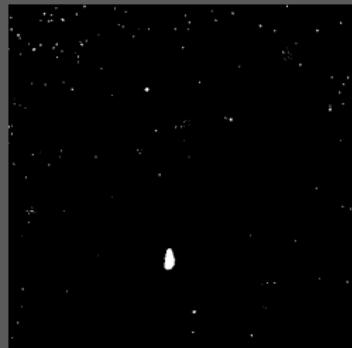


(d) stochastic

Test - Ex8



(a) Input



(b) Mask



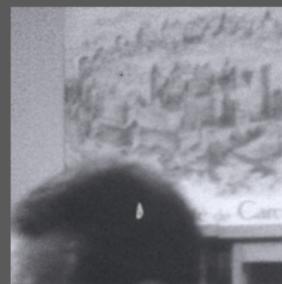
(c) GT Output



(a) adam



(b) rms



(c) rms mask



(d) stochastic

Test - Ex9



(a) Input



(b) Mask



(c) GT Output



(a) adam



(b) rms



(c) rms mask



(d) stochastic

Test - Ex10



(a) Input



(b) Mask



(c) GT Output



(a) adam



(b) rms



(c) rms mask

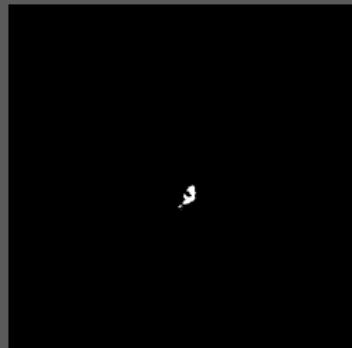


(d) stochastic

Test - Ex11



(a) Input



(b) Mask



(c) GT Output



(a) adam



(b) rms



(c) rms mask

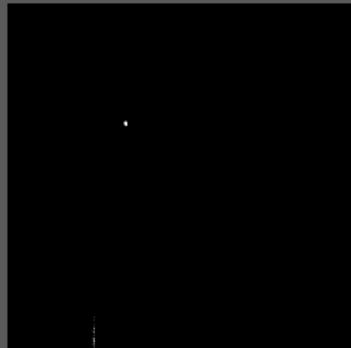


(d) stochastic

Test - Ex12



(a) Input



(b) Mask



(c) GT Output



(a) adam



(b) rms



(c) rms mask



(d) stochastic

Test - Ex13



(a) Input



(b) Mask



(c) GT Output



(a) adam



(b) rms



(c) rms mask

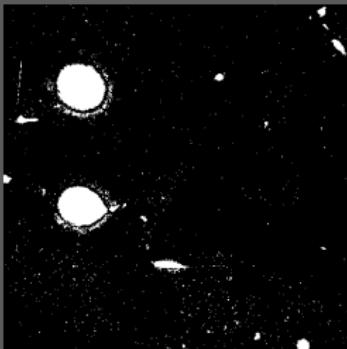


(d) stochastic

Test - Ex14



(a) Input



(b) Mask



(c) GT Output



(a) adam



(b) rms



(c) rms mask

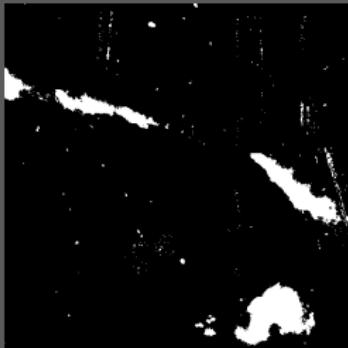


(d) stochastic

Test - Ex15



(a) Input



(b) Mask



(c) GT Output



(a) adam



(b) rms



(c) rms mask



(d) stochastic