

1.

100 iterations:

NAME: Tesla T10 Processor  
VENDOR: NVIDIA Corporation  
PROFILE: FULL\_PROFILE  
VERSION: OpenCL 1.0 CUDA

pixels/s: 320.770687 MPixels/s  
bandwidth: 2.566165 GBit/s  
Flop/s: 15.619675 GFlop/s

Original Image:



After 100 iterations:



After 200 iterations:



NAME: Tesla T10 Processor  
VENDOR: NVIDIA Corporation  
PROFILE: FULL\_PROFILE  
VERSION: OpenCL 1.0 CUDA  
Work Size: 4\*4, Repetations:100

pixels/s: 147.856913 MPixels/s  
bandwidth: 1.182855 GBit/s  
Flop/s: 7.199775 Gflop/s

Work Size: 8\*8, Repetations:100

pixels/s: 278.286714 MPixels/s  
bandwidth: 2.226294 GBit/s  
Flop/s: 13.550952 Gflop/s

(b):

I just copy the output image of the kernel to input image using `clEnqueueCopyBuffer`.

Repetitions: 2





Repetitions: 5



Repetitions: 10



Repetitions:100

