

Report for Stereo Vision task in Nvidia CUDA

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Constants:

maxDisp = 64

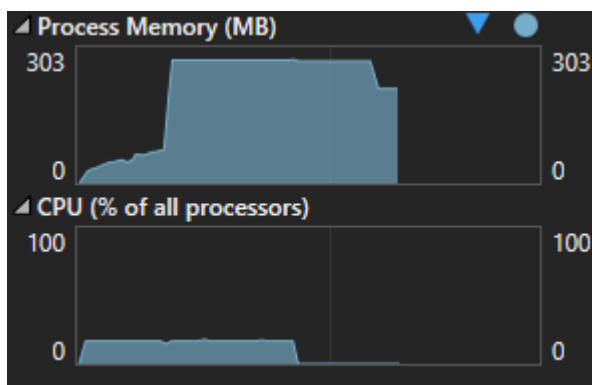
windowWidth = 15

windowHeight = 15

crossCheckingThreshold = 2

occlusionNeighbours = 256

Resource Usage:



RAM: 274.1 MB

CPU: 17%

Output:

D:\CppProjects\OpenCL\x64\Debug\StereoVisionCuda.exe

NBody.GPU

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CUDA version: v10020

CUDA Devices:

0: GeForce GTX 1070 Ti: 6.1

Global memory: 8192mb

Shared memory: 48kb

Constant memory: 64kb

Block registers: 65536

Warp size: 32

Threads per block: 1024

Max block dimensions: [1024, 1024, 64]

Max grid dimensions: [2147483647, 65535, 65535]

Reading Left Image...Done (1.67785 s)

Reading Right Image...Done (1.61086 s)

Converting Left Image to grayscale...Done (0.000286304 s)

Converting Right Image to grayscale...Done (0.000291456 s)

Converting Left Disparity Map...Done (2.36797 s)

Converting Right Disparity Map...Done (2.35821 s)

Performing Cross Checking...Done (5.0176e-05 s)

Performing Occlusion Filling...Done (0.0895211 s)

The program took 8.55352 s

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