

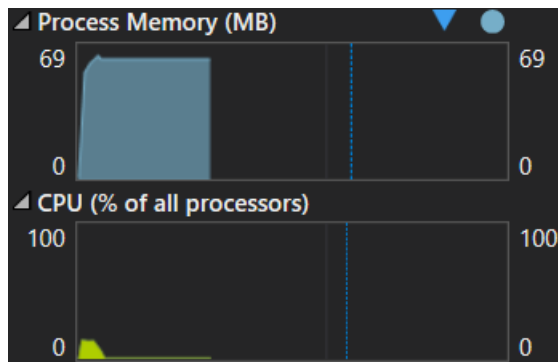
Report for Low Pass Filter in OpenCL task

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Library used for image reading and writing – lodepng

Resource Usage:



RAM: 61.0 MB

CPU: 13%

Output:

```
C:\Users\nikun\Documents\Visual Studio 2019\Projects\OpenCL\Debug\LowPassFilterCL.exe
Device: Intel(R) Corporation
OpenCL Version: OpenCL 2.1 NEO
Max Workgroup Size: 256
Max Local Memory Size: 65536

Reading Input Image...Done (0.0133045 s)
Running OpenCL Kernel...Done (0.000159 s)
The program took 0.96853 s
```

The image was divided into arbitrary rows of length less than or equal to the maximum work group size of the GPU.

Inside the kernel, we first copy each row from global memory to local memory and then perform the low pass filter operation before copying back to the global memory.