**Resultado de Benchmark**

**Máquina A:**

Hardware

Name: Intel Core i5-6600

Topology: 1 Processor, 4 Cores

Identifier: GenuineIntel Family 6 Model 94 Stepping 3

Base Frequency: 3.30 GHz

L1 Instruction Cache 32.0 KB x 2

L1 Data Cache 32.0 KB x 2

L2 Cache 256 KB x 2

L3 Cache 6.00 MB x 1

Memória

Size 16.00 GB

Frequency 800 MHz

Type DDR3

Software

Operating System macOS 10.15.7 (Build 19H2)

Model iMac (27-inch Retina Late 2015)

Motherboard Apple Inc. Mac-B809C3757DA9BB8D iMac17,1

Resultados:

CPU

Single-Core Score: 961

Multi-Core Score: 3322

Compute

OpenCL Score: 23689

Máquina B:

Hardware

Processador: Intel Core i5-7200U

Topology: 1 Processor, 2 Cores, 4 Threads

Identifier: GenuineIntel Family 6 Model 142 Stepping 9

Base Frequency: 2.69 GHz

Maximum Frequency: 3.09 GHz

L1 Instruction Cache: 32.0 KB x 2

L1 Data Cache: 32.0 KB x 2

L2 Cache: 256 KB x 2

L3 Cache: 3.00 MB x 1

Memória

Size 7.88 GB

Frequency 1064 MHz

Type DDR4 SDRAM

Software

Operating System Microsoft Windows 10 Home Single Language (64-bit)

Model LENOVO 80YH

Motherboard LENOVO LNVNB161216

Resultados:

CPU

Single-Core Score: 814

Multi-Core Score: 1897

Compute

OpenCL Score: 5102

Máquina C:

Hardware

Name Intel Core i5-4260U

Topology 1 Processor, 2 Cores, 4 Threads

Identifier GenuineIntel Family 6 Model 69 Stepping 1

Base Frequency 1.40 GHz

L1 Instruction Cache 32.0 KB x 2

L1 Data Cache 32.0 KB x 2

L2 Cache 256 KB x 2

L3 Cache 3.00 MB x 1

Memory Information

Size 4.00 GB

Frequency 800 MHz

Type DDR3

Software

Operating System macOS 10.15.3 (Build 19D76)

Model MacBook Air (13-inch Early 2014)

Motherboard Apple Inc. Mac-7DF21CB3ED6977E5 MacBookAir6,2

Resultados:

CPU

Single-Core Score: 422

Multi-Core Score: 1295

Compute

OpenCL Score: 3230

Após a execução do programa obteve- se os seguintes resultados para as máquinas A, B e C: (CPU Single-Core: 961 e Multi-Core : 3322), Compute OpenCL: 23689. (CPU Single-Core: 814 e Multi-Core: 1897), Compute OpenCL: 5102. (CPU Single-Core: 422 e Multi-Core: 1295) Compute OpenCL: 3230. Respectivamente, assim levando as especificações de hardware e software, percebe-se que a máquina A apresentou um desempenho maior comparando com as outras, isso foi devido ao