



[www.phoronix-test-suite.com](http://www.phoronix-test-suite.com)

## system

AMD Ryzen 7 5700X 8-Core testing with a MSI PRO B550M-VC WIFI (MS-7C95) v3.0 (H.30 BIOS) and AMD DIMGREY\_CAVEFISH 8GB on Ubuntu 22.04 via the Phoronix Test Suite.

### Test Systems:

#### AMD Ryzen 7 5700X 8-Core - AMD DIMGREY\_CAVEFISH 8GB -

Processor: AMD Ryzen 7 5700X 8-Core @ 3.40GHz (8 Cores / 16 Threads), Motherboard: MSI PRO B550M-VC WIFI (MS-7C95) v3.0 (H.30 BIOS), Chipset: AMD Starship/Matisse, Memory: 32GB, Disk: Western Digital WD\_BLACK SN850X 1000GB, Graphics: AMD DIMGREY\_CAVEFISH 8GB (2765/1094MHz), Audio: AMD Navi 21 HDMI Audio, Monitor: G24F 2, Network: Realtek RTL8111/8168/8411

OS: Ubuntu 22.04, Kernel: 5.15.0-52-generic (x86\_64), Desktop: KDE Plasma 5.24.6, Display Server: X Server 1.21.1.3, OpenGL: 4.6 Mesa 22.1.0-devel (LLVM 14.0.1 DRM 3.46), OpenCL: OpenCL 2.1 AMD-APP (3452.0), Vulkan: 1.3.208, Compiler: GCC 11.3.0, File-System: ext4, Screen Resolution: 1920x1080

Kernel Notes: amdgpu.ppfeaturemask=0xffffffff - Transparent Huge Pages: madvise  
Compiler Notes: --build=x86\_64-linux-gnu --disable-vtable-verify --disable-werror --enable-bootstrap --enable-cet --enable-checking=release --enable-clocale=gnu

```
--enable-default-pie      --enable-gnu-unique-object      --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++,m2      --enable-libphobos-checking=release
--enable-libstdcxx-debug   --enable-libstdcxx-time=yes   --enable-link-serialization=2   --enable-multiarch   --enable-multilib   --enable-nls   --enable-objc-gc=auto
--enable-offload-targets=nvptx-none=/build/gcc-11-xKiWfi/gcc-11-11.3.0/debian/tmp-nvptx/usr,amdgn-amdhsa=/build/gcc-11-xKiWfi/gcc-11-11.3.0/debian/tmp-gcn/usr
--enable-plugin   --enable-shared   --enable-threads=posix   --host=x86_64-linux-gnu   --program-prefix=x86_64-linux-gnu-   --target=x86_64-linux-gnu   --with-abi=m64
--with-arch-32=i686   --with-build-config=bootstrap-lto-lean   --with-default-libstdcxx-abi=new   --with-gcc-major-version-only   --with-multilib-list=m32,m64,mx32
--with-target-system-zlib=auto   --with-tune=generic   --without-cuda-driver -v
```

Processor Notes: Scaling Governor: acpi-cpufreq ondemand (Boost: Enabled) - CPU Microcode: 0xa20120a

Graphics Notes: GLAMOR - BAR1 / Visible vRAM Size: 256 MB - vBIOS Version: 113-D53213KXT-G03

Python Notes: Python 3.10.6

Security Notes: itlb\_multihit: Not affected + I1tf: Not affected + mds: Not affected + meltdown: Not affected + mmio\_stale\_data: Not affected + rebleed: Not affected + spec\_store\_bypass: Mitigation of SSB disabled via prctl and seccomp + spectre\_v1: Mitigation of usercopy/swapgs barriers and \_\_user pointer sanitization + spectre\_v2: Mitigation of Retpolines IBPB: conditional IBRS\_FW STIBP: always-on RSB filling PBRSB-eIBRS: Not affected + srbs: Not affected + tsx\_async\_abort: Not affected

## AMD Ryzen 7 5700X 8-Core - AMD DIMGREY\_CAVEFISH 8GB

**vkpeak - fp32-scalar (GFLOPS)** 10648

Standard Deviation 1.5%

**vkpeak - fp32-vec4 (GFLOPS)** 10305

Standard Deviation 0.6%

**vkpeak - fp16-scalar (GFLOPS)** 10779

Standard Deviation 0.8%

**vkpeak - fp16-vec4 (GFLOPS)** 10621

Standard Deviation 0.2%

**vkpeak - fp64-scalar (GFLOPS)** 700.61

Standard Deviation 0.1%

**vkpeak - fp64-vec4 (GFLOPS)** 700.51

Standard Deviation 0.1%

**vkpeak - int32-scalar (GIOPS)** 1918

Standard Deviation 0.1%

**vkpeak - int32-vec4 (GIOPS)** 2229

Standard Deviation 0.1%

**vkpeak - int16-scalar (GIOPS)** 10761

Standard Deviation 0.4%

**vkpeak - int16-vec4 (GIOPS)** 10636

Standard Deviation 0.1%

**RealSR-NCNN - 4x - No (sec)** 12.481

Standard Deviation 0.9%

**RealSR-NCNN - 4x - Yes (sec)** 86.094

Standard Deviation 0.6%

**Waifu2x-NCNN Vulkan - 2x - 3 - Yes (sec)** 4.562

Standard Deviation 0.1%

**SHOC Scalable Heterogeneous Computing - OpenCL - Triad (GB/s)** 12.7528

Standard Deviation 0.5%

**SHOC Scalable Heterogeneous Computing - OpenCL - FFT SP** 688.781

(GFLOPS)

Standard Deviation 0.2%

**SHOC Scalable Heterogeneous Computing - OpenCL - MD5 Hash** 13.5766

(GHash/s)

Standard Deviation 0.1%

**SHOC Scalable Heterogeneous Computing - OpenCL - Max SP** 1436907

Flops (GFLOPS)

Standard Deviation 1%

**SHOC Scalable Heterogeneous Computing - OpenCL - Bus Speed** 14.1634

Download (GB/s)

Standard Deviation 0%

**SHOC Scalable Heterogeneous Computing - OpenCL - Bus Speed** 14.3709

Readback (GB/s)

Standard Deviation 0%

**SHOC Scalable Heterogeneous Computing - OpenCL - T.R.B (GB/s)** 621.443

Standard Deviation 0.6%

**cl-mem - Copy (GB/s)** 199.7

Standard Deviation 0.1%

**cl-mem - Read (GB/s)** 255.8

Standard Deviation 0.2%

**cl-mem - Write (GB/s)** 225.7

Standard Deviation 1.9%

**VkResample - 2x - Single (ms)** 12.990

Standard Deviation 0.1%

**OpenArena - 1920 x 1080 (FPS)** 608.0

Standard Deviation 0.1%

**Tesseract - 1920 x 1080 (FPS)** 974.7025

Standard Deviation 0.5%

**Unigine Heaven - 1920 x 1080 - Fullscreen - OpenGL (FPS)** 222.716

Standard Deviation 0.2%

**Unigine Sanctuary - 1920 x 1080 - Fullscreen (FPS)** 800.563

Standard Deviation 0.1%

**Unigine Superposition - 1920 x 1080 - Fullscreen - Low - OpenGL** 284.2

Standard Deviation 0.1%

**Unigine Superposition - 1920 x 1080 - Fullscreen - High - OpenGL** 99.3

(FPS)

Standard Deviation 0.1%

**Unigine Superposition - 1920 x 1080 - Fullscreen - Ultra - OpenGL** 41.4

(FPS)

Standard Deviation 0%

**Unigine Superposition - 1920 x 1080 - Fullscreen - Medium - OpenGL (FPS)** 139.3

Standard Deviation 0%

**Unigine Tropics - 1920 x 1080 - Fullscreen (FPS)** 451.534

Standard Deviation 0.3%

**Unigine Valley - 1920 x 1080 - Fullscreen - OpenGL (FPS)** 233.342

Standard Deviation 0.2%

**Xonotic - 1920 x 1080 - Low (FPS)** 681.3540734

Standard Deviation 0.4%

**Xonotic - 1920 x 1080 - High (FPS)** 568.4866731

Standard Deviation 0.3%

**Xonotic - 1920 x 1080 - Ultra (FPS)** 538.9711138

Standard Deviation 0.5%

**Xonotic - 1920 x 1080 - Ultimate (FPS)** 431.2590552

Standard Deviation 0.5%

**GLmark2 - 1920 x 1080 (Score)** 22004

**ParaView - Many Spheres - 1920 x 1080 (Frames / Sec)** 101.52

Standard Deviation 1.2%

**ParaView - Many Spheres - 1920 x 1080 (MiPolys / Sec)** 10177

Standard Deviation 1.2%

|   |        |
|---|--------|
| <b>ParaView - Wavelet Volume - 1920 x 1080 (Frames / Sec)</b>   | 539.07 |
| Standard Deviation  | 8.1%   |
| <b>ParaView - Wavelet Volume - 1920 x 1080 (MiVoxels / Sec)</b> | 8625   |
| Standard Deviation  | 8.1%   |
| <b>ParaView - Wavelet Contour - 1920 x 1080 (Frames / Sec)</b>  | 285.69 |
| Standard Deviation  | 3.9%   |
| <b>ParaView - Wavelet Contour - 1920 x 1080 (MiPolys / Sec)</b> | 2977   |
| Standard Deviation  | 3.9%   |
| <b>RAMspeed SMP - Add - Integer (MB/s)</b>                      | 33718  |
| Standard Deviation  | 1.5%   |
| <b>RAMspeed SMP - Copy - Integer (MB/s)</b>                     | 30786  |
| Standard Deviation  | 0.1%   |
| <b>RAMspeed SMP - Scale - Integer (MB/s)</b>                    | 31840  |
| Standard Deviation  | 0.8%   |
| <b>RAMspeed SMP - Triad - Integer (MB/s)</b>                    | 33482  |
| Standard Deviation  | 2%     |
| <b>RAMspeed SMP - Average - Integer (MB/s)</b>                  | 32368  |
| Standard Deviation  | 0.4%   |
| <b>RAMspeed SMP - Add - Floating Point (MB/s)</b>               | 33740  |
| Standard Deviation  | 0.8%   |
| <b>RAMspeed SMP - Copy - Floating Point (MB/s)</b>              | 30749  |
| Standard Deviation  | 0.1%   |
| <b>RAMspeed SMP - Scale - Floating Point (MB/s)</b>             | 31277  |
| Standard Deviation  | 0.6%   |
| <b>RAMspeed SMP - Triad - Floating Point (MB/s)</b>             | 33683  |
| Standard Deviation  | 0.4%   |
| <b>RAMspeed SMP - Average - Floating Point (MB/s)</b>           | 32307  |
| Standard Deviation  | 0.8%   |
| <b>Tinymembench - Standard Memcpy (MB/s)</b>                    | 27284  |
| Standard Deviation  | 0.1%   |
| <b>Tinymembench - Standard Memset (MB/s)</b>                    | 28682  |
| Standard Deviation  | 0%     |
| <b>MBW - Memory Copy - 1024 MiB (MiB/s)</b>                     | 20430  |
| Standard Deviation  | 0.4%   |
| <b>MBW - M.C.F.B.S - 1024 MiB (MiB/s)</b>                       | 10568  |
| Standard Deviation  | 0.1%   |
| <b>t-test1 - 1 (sec)</b>  | 10.133 |
| Standard Deviation  | 0.2%   |
| <b>t-test1 - 2 (sec)</b>  | 3.368  |
| Standard Deviation  | 0.5%   |
| <b>Rodinia - OpenCL Myocyte (sec)</b>                           | 37.903 |
| Standard Deviation  | 2.3%   |
| <b>Rodinia - OpenCL Leukocyte (sec)</b>                         | 2.959  |
| Standard Deviation  | 0.7%   |
| <b>CacheBench - Read Cache (MB/s)</b>                           | 3550   |
| Standard Deviation  | 0%     |
| <b>CacheBench - Write Cache (MB/s)</b>                          | 34078  |
| Standard Deviation  | 0%     |
| <b>Darktable - Boat - OpenCL (sec)</b>                          | 2.223  |
| Standard Deviation  | 0.1%   |
| <b>Darktable - Masskrug - OpenCL (sec)</b>                      | 2.751  |
| Standard Deviation  | 0.1%   |
| <b>Darktable - Server Rack - OpenCL (sec)</b>                   | 0.372  |

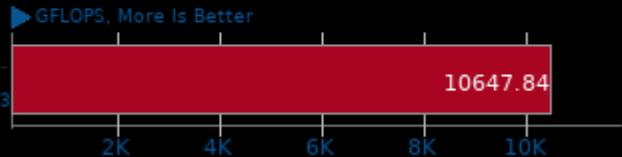
Standard Deviation 0.2%  
**Darktable - Server Room - OpenCL (sec)** 0.803  
Standard Deviation 1.3%  
**SmallIPT GPU - GPU - 1920 x 1080 - Caustic (Samples/sec)** 1667201857  
Standard Deviation 0%  
**SmallIPT GPU - GPU - 1920 x 1080 - Cornell (Samples/sec)** 1667201992  
Standard Deviation 0%  
**SmallIPT GPU - GPU - 1920 x 1080 - Caustic3 (Samples/sec)** 1667202127  
Standard Deviation 0%  
**LuxMark - GPU - Hotel (Score)** 3805  
Standard Deviation 0.1%  
**LuxMark - GPU - Microphone (Score)** 18561  
Standard Deviation 0.4%  
**LuxMark - GPU - Luxball HDR (Score)** 24310  
Standard Deviation 0.5%  
**clpeak - Kernel Latency (us)** 9.09  
Standard Deviation 4.1%  
**clpeak - I.C.I (GIOPS)** 2227  
Standard Deviation 0.1%  
**clpeak - S.P.F (GFLOPS)** 11100  
Standard Deviation 0%  
**clpeak - D.P.D (GFLOPS)** 701.99  
Standard Deviation 0%  
**clpeak - G.M.B (GBPS)** 251.25  
Standard Deviation 0.1%  
**clpeak - T.B.e (GBPS)** 6.44  
Standard Deviation 34.7%  
**clpeak - T.B.e (GBPS)** 28.69  
Standard Deviation 0.1%

**vkpeak 20210424**

fp32-scalar

AMD Ryzen 7 5700X 8-Core - AMD DIMGREY\_CAVEFISH 8GB

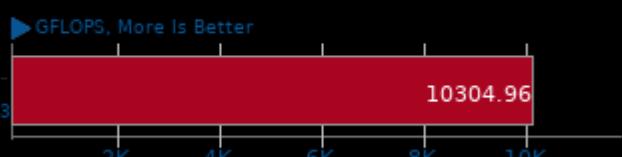
SE +/- 92.52, N = 3

**vkpeak 20210424**

fp32-vec4

AMD Ryzen 7 5700X 8-Core - AMD DIMGREY\_CAVEFISH 8GB

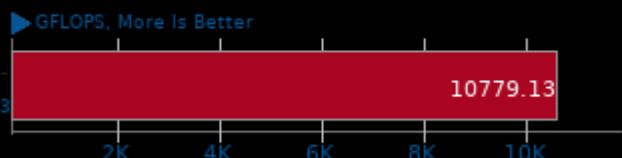
SE +/- 33.84, N = 3

**vkpeak 20210424**

fp16-scalar

AMD Ryzen 7 5700X 8-Core - AMD DIMGREY\_CAVEFISH 8GB

SE +/- 49.76, N = 3

**vkpeak 20210424**

fp16-vec4

AMD Ryzen 7 5700X 8-Core - AMD DIMGREY\_CAVEFISH 8GB

SE +/- 13.31, N = 3

**vkpeak 20210424**

fp64-scalar

AMD Ryzen 7 5700X 8-Core - AMD DIMGREY\_CAVEFISH 8GB

SE +/- 0.52, N = 3

**vkpeak 20210424**

fp64-vec4

AMD Ryzen 7 5700X 8-Core - AMD DIMGREY\_CAVEFISH 8GB

SE +/- 0.45, N = 3

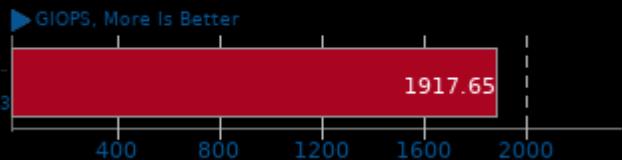


**vkpeak 20210424**

int32-scalar

AMD Ryzen 7 5700X 8-Core - AMD DIMGREY\_CAVEFISH 8GB

SE +/- 1.28, N = 3

**vkpeak 20210424**

int32-vec4

AMD Ryzen 7 5700X 8-Core - AMD DIMGREY\_CAVEFISH 8GB

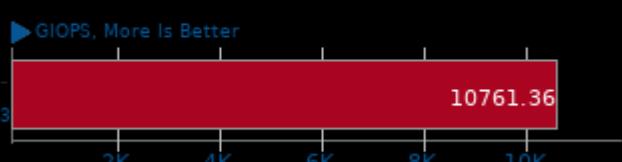
SE +/- 1.13, N = 3

**vkpeak 20210424**

int16-scalar

AMD Ryzen 7 5700X 8-Core - AMD DIMGREY\_CAVEFISH 8GB

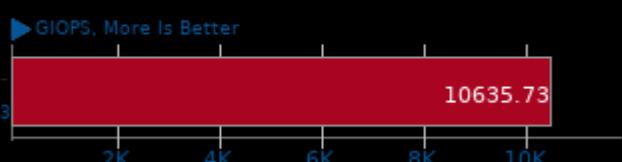
SE +/- 24.39, N = 3

**vkpeak 20210424**

int16-vec4

AMD Ryzen 7 5700X 8-Core - AMD DIMGREY\_CAVEFISH 8GB

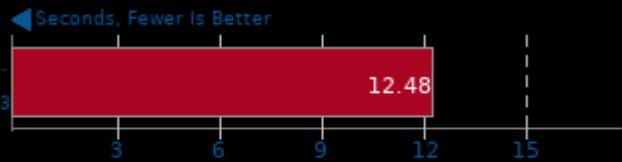
SE +/- 4.41, N = 3

**RealSR-NCNN 20200818**

Scale: 4x - TAA: No

AMD Ryzen 7 5700X 8-Core - AMD DIMGREY\_CAVEFISH 8GB

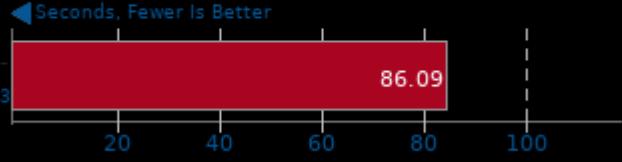
SE +/- 0.06, N = 3

**RealSR-NCNN 20200818**

Scale: 4x - TAA: Yes

AMD Ryzen 7 5700X 8-Core - AMD DIMGREY\_CAVEFISH 8GB

SE +/- 0.32, N = 3



## Waifu2x-NCNN Vulkan 20200818

Scale: 2x - Denoise: 3 - TAA: Yes



## SHOC Scalable Heterogeneous Computing 2020-04-17

Target: OpenCL - Benchmark: Triad



1. (CXX) g++ options: -O2 -lSHOCCommonMPI -lSHOCCommonOpenCL -lSHOCCommon -lOpenCL -lrt -lmpi\_cxx -lmpi

## SHOC Scalable Heterogeneous Computing 2020-04-17

Target: OpenCL - Benchmark: FFT SP



1. (CXX) g++ options: -O2 -lSHOCCommonMPI -lSHOCCommonOpenCL -lSHOCCommon -lOpenCL -lrt -lmpi\_cxx -lmpi

## SHOC Scalable Heterogeneous Computing 2020-04-17

Target: OpenCL - Benchmark: MD5 Hash



1. (CXX) g++ options: -O2 -lSHOCCommonMPI -lSHOCCommonOpenCL -lSHOCCommon -lOpenCL -lrt -lmpi\_cxx -lmpi

## SHOC Scalable Heterogeneous Computing 2020-04-17

Target: OpenCL - Benchmark: Max SP Flops



1. (CXX) g++ options: -O2 -lSHOCCommonMPI -lSHOCCommonOpenCL -lSHOCCommon -lOpenCL -lrt -lmpi\_cxx -lmpi

## SHOC Scalable Heterogeneous Computing 2020-04-17

Target: OpenCL - Benchmark: Bus Speed Download



1. (CXX) g++ options: -O2 -fSHOCCommonMPI -fSHOCCommonOpenCL -fSHOCCommon -fOpenCL -frt -fmpi\_cxx -fmpi

## SHOC Scalable Heterogeneous Computing 2020-04-17

Target: OpenCL - Benchmark: Bus Speed Readback



1. (CXX) g++ options: -O2 -fSHOCCommonMPI -fSHOCCommonOpenCL -fSHOCCommon -fOpenCL -frt -fmpi\_cxx -fmpi

## SHOC Scalable Heterogeneous Computing 2020-04-17

Target: OpenCL - Benchmark: Texture Read Bandwidth



1. (CXX) g++ options: -O2 -fSHOCCommonMPI -fSHOCCommonOpenCL -fSHOCCommon -fOpenCL -frt -fmpi\_cxx -fmpi

## cl-mem 2017-01-13

Benchmark: Copy



1. (CC) gcc options: -O2 -floop -fOpenCL

## cl-mem 2017-01-13

Benchmark: Read



1. (CC) gcc options: -O2 -floop -fOpenCL

## cl-mem 2017-01-13

Benchmark: Write



1. (CC) gcc options: -O2 -fno -IOpenCL

## VkResample 1.0

Upscale: 2x - Precision: Single



1. (CXX) g++ options: -O3

## OpenArena 0.8.8

Resolution: 1920 x 1080



## OpenArena 0.8.8

Resolution: 1920 x 1080 - Total Frame Time



## Tesseract 2014-05-12

Resolution: 1920 x 1080



## Unigine Heaven 4.0

Resolution: 1920 x 1080 - Mode: Fullscreen - Renderer: OpenGL



## Unigine Sanctuary 2.3

Resolution: 1920 x 1080 - Mode: Fullscreen



## Unigine Superposition 1.0

Resolution: 1920 x 1080 - Mode: Fullscreen - Quality: Low - Renderer: OpenGL



## Unigine Superposition 1.0

Resolution: 1920 x 1080 - Mode: Fullscreen - Quality: High - Renderer: OpenGL



## Unigine Superposition 1.0

Resolution: 1920 x 1080 - Mode: Fullscreen - Quality: Ultra - Renderer: OpenGL



## Unigine Superposition 1.0

Resolution: 1920 x 1080 - Mode: Fullscreen - Quality: Medium - Renderer: OpenGL



## Unigine Tropics 1.3

Resolution: 1920 x 1080 - Mode: Fullscreen



## Unigine Valley 1.0

Resolution: 1920 x 1080 - Mode: Fullscreen - Renderer: OpenGL



## Xonotic 0.8.5

Resolution: 1920 x 1080 - Effects Quality: Low



## Xonotic 0.8.5

Resolution: 1920 x 1080 - Effects Quality: High



## Xonotic 0.8.5

Resolution: 1920 x 1080 - Effects Quality: Ultra



## Xonotic 0.8.5

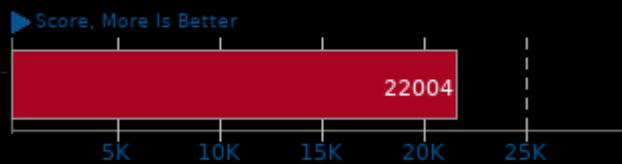
Resolution: 1920 x 1080 - Effects Quality: Ultimate



## GLmark2 2021.08.30

Resolution: 1920 x 1080

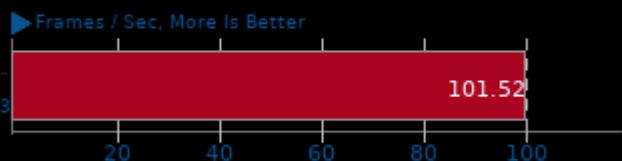
AMD Ryzen 7 5700X 8-Core - AMD DIMGREY\_CAVEFISH 8GB



## ParaView 5.10.1

Test: Many Spheres - Resolution: 1920 x 1080

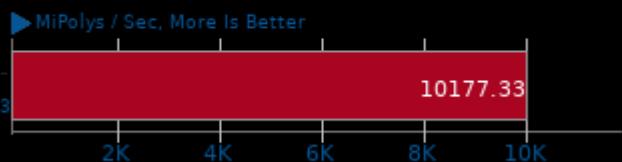
AMD Ryzen 7 5700X 8-Core - AMD DIMGREY\_CAVEFISH 8GB



## ParaView 5.10.1

Test: Many Spheres - Resolution: 1920 x 1080

AMD Ryzen 7 5700X 8-Core - AMD DIMGREY\_CAVEFISH 8GB



## ParaView 5.10.1

Test: Wavelet Volume - Resolution: 1920 x 1080

AMD Ryzen 7 5700X 8-Core - AMD DIMGREY\_CAVEFISH 8GB



## ParaView 5.10.1

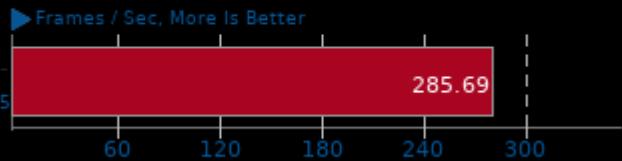
Test: Wavelet Volume - Resolution: 1920 x 1080

AMD Ryzen 7 5700X 8-Core - AMD DIMGREY\_CAVEFISH 8GB



## ParaView 5.10.1

Test: Wavelet Contour - Resolution: 1920 x 1080



## ParaView 5.10.1

Test: Wavelet Contour - Resolution: 1920 x 1080



## RAMspeed SMP 3.5.0

Type: Add - Benchmark: Integer



1. (CC) gcc options: -O3 -march=native

## RAMspeed SMP 3.5.0

Type: Copy - Benchmark: Integer



1. (CC) gcc options: -O3 -march=native

## RAMspeed SMP 3.5.0

Type: Scale - Benchmark: Integer



1. (CC) gcc options: -O3 -march=native

## RAMspeed SMP 3.5.0

Type: Triad - Benchmark: Integer



1. (CC) gcc options: -O3 -march=native

## RAMspeed SMP 3.5.0

Type: Average - Benchmark: Integer



1. (CC) gcc options: -O3 -march=native

## RAMspeed SMP 3.5.0

Type: Add - Benchmark: Floating Point



1. (CC) gcc options: -O3 -march=native

## RAMspeed SMP 3.5.0

Type: Copy - Benchmark: Floating Point



1. (CC) gcc options: -O3 -march=native

## RAMspeed SMP 3.5.0

Type: Scale - Benchmark: Floating Point



1. (CC) gcc options: -O3 -march=native

## RAMspeed SMP 3.5.0

Type: Triad - Benchmark: Floating Point



1. (CC) gcc options: -O3 -march=native

## RAMspeed SMP 3.5.0

Type: Average - Benchmark: Floating Point



1. (CC) gcc options: -O3 -march=native

## Tinymembench 2018-05-28

Standard Memcpy



1. (CC) gcc options: -O2 -lm

## Tinymembench 2018-05-28

Standard Memset



1. (CC) gcc options: -O2 -lm

## MBW 2018-09-08

Test: Memory Copy - Array Size: 1024 MiB



1. (CC) gcc options: -O3 -march=native

## MBW 2018-09-08

Test: Memory Copy, Fixed Block Size - Array Size: 1024 MiB



1. (CC) gcc options: -O3 -march=native

**t-test1 2017-01-13**

Threads: 1



1. (CC) gcc options: -pthread

**t-test1 2017-01-13**

Threads: 2



1. (CC) gcc options: -pthread

**Rodinia 3.1**

Test: OpenCL Myocyte



1. (CXX) g++ options: -O2 -fOpenCL

**Rodinia 3.1**

Test: OpenCL Leukocyte



1. (CXX) g++ options: -O2 -fOpenCL

**CacheBench**

Read Cache



1. (CC) gcc options: -fomit-frame-pointer

## CacheBench

Write Cache



## Darktable 3.8.1

Test: Boat - Acceleration: OpenCL



## Darktable 3.8.1

Test: Masskrug - Acceleration: OpenCL



## Darktable 3.8.1

Test: Server Rack - Acceleration: OpenCL



## Darktable 3.8.1

Test: Server Room - Acceleration: OpenCL



## SmallPT GPU 1.6pts1

OpenCL Device: GPU - Resolution: 1920 x 1080 - Scene: Caustic



1. (CC) gcc options: -O3 -fno-vectorize -funroll-loops -lglut -lOpenCL -lGL

## SmallPT GPU 1.6pts1

OpenCL Device: GPU - Resolution: 1920 x 1080 - Scene: Cornell



1. (CC) gcc options: -O3 -fno-vectorize -funroll-loops -lglut -lOpenCL -lGL

## SmallPT GPU 1.6pts1

OpenCL Device: GPU - Resolution: 1920 x 1080 - Scene: Caustic3



1. (CC) gcc options: -O3 -fno-vectorize -funroll-loops -lglut -lOpenCL -lGL

## LuxMark 3.1

OpenCL Device: GPU - Scene: Hotel



## LuxMark 3.1

OpenCL Device: GPU - Scene: Microphone



## LuxMark 3.1

OpenCL Device: GPU - Scene: Luxball HDR



## clpeak

OpenCL Test: Kernel Latency



1. (CXX) g++ options: -O3 -rdynamic -lOpenCL

## clpeak

OpenCL Test: Integer Compute INT



1. (CXX) g++ options: -O3 -rdynamic -lOpenCL

## clpeak

OpenCL Test: Single-Precision Float



1. (CXX) g++ options: -O3 -rdynamic -lOpenCL

## clpeak

OpenCL Test: Double-Precision Double



1. (CXX) g++ options: -O3 -rdynamic -lOpenCL

**clpeak**

OpenCL Test: Global Memory Bandwidth



1. (CXX) g++ options: -O3 -rdynamic -lOpenCL

**clpeak**

OpenCL Test: Transfer Bandwidth enqueueReadBuffer



1. (CXX) g++ options: -O3 -rdynamic -lOpenCL

**clpeak**

OpenCL Test: Transfer Bandwidth enqueueWriteBuffer



1. (CXX) g++ options: -O3 -rdynamic -lOpenCL

*This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 06:44.*