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mint20rx580

AMD A8-6600K APU testing with a ASUS A88XM-A (1801 BIOS) and XFX AMD Radeon RX 470/480/570/570X/580/580X/590 8GB on Linuxmint 20 via the Phoronix Test Suite.

Test Systems:

AMD A8-6600K APU - XFX AMD Radeon RX 580 8GB - ASUS

Processor: AMD A8-6600K APU @ 3.90GHz (2 Cores / 4 Threads), Motherboard: ASUS A88XM-A (1801 BIOS), Chipset: AMD 15h, Memory: 16GB, Disk: 120GB KINGSTON SV300S3 + 1000GB Seagate ST1000DM003-1ER1 + 1000GB Seagate ST1000DM003-1CH1, Graphics: XFX AMD Radeon RX 580 8GB (1366/2000MHz), Audio: Realtek ALC887-VD, Monitor: BenQ LCD, Network: Realtek RTL8111/8168/8411

OS: Linuxmint 20, Kernel: 5.4.0-51-generic (x86_64), Desktop: Cinnamon 4.6.7, Display Server: X Server 1.20.8, Display Driver: modesetting 1.20.8, OpenGL: 4.6.14756, OpenCL: OpenCL 2.1 AMD-APP (3180.7), Compiler: GCC 9.3.0, File-System: ext4, Screen Resolution: 2560x1440

Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --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++,gm2 --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch

--enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none=/build/gcc-9-HskZEa/gcc-9-9.3.0/debian/tmp-nvptx/usr,hsa --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-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 - CPU Microcode: 0x6001119
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: 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 Full AMD retpoline STIBP: disabled RSB filling + srbds: Not affected + tsx_async_abort: Not affected

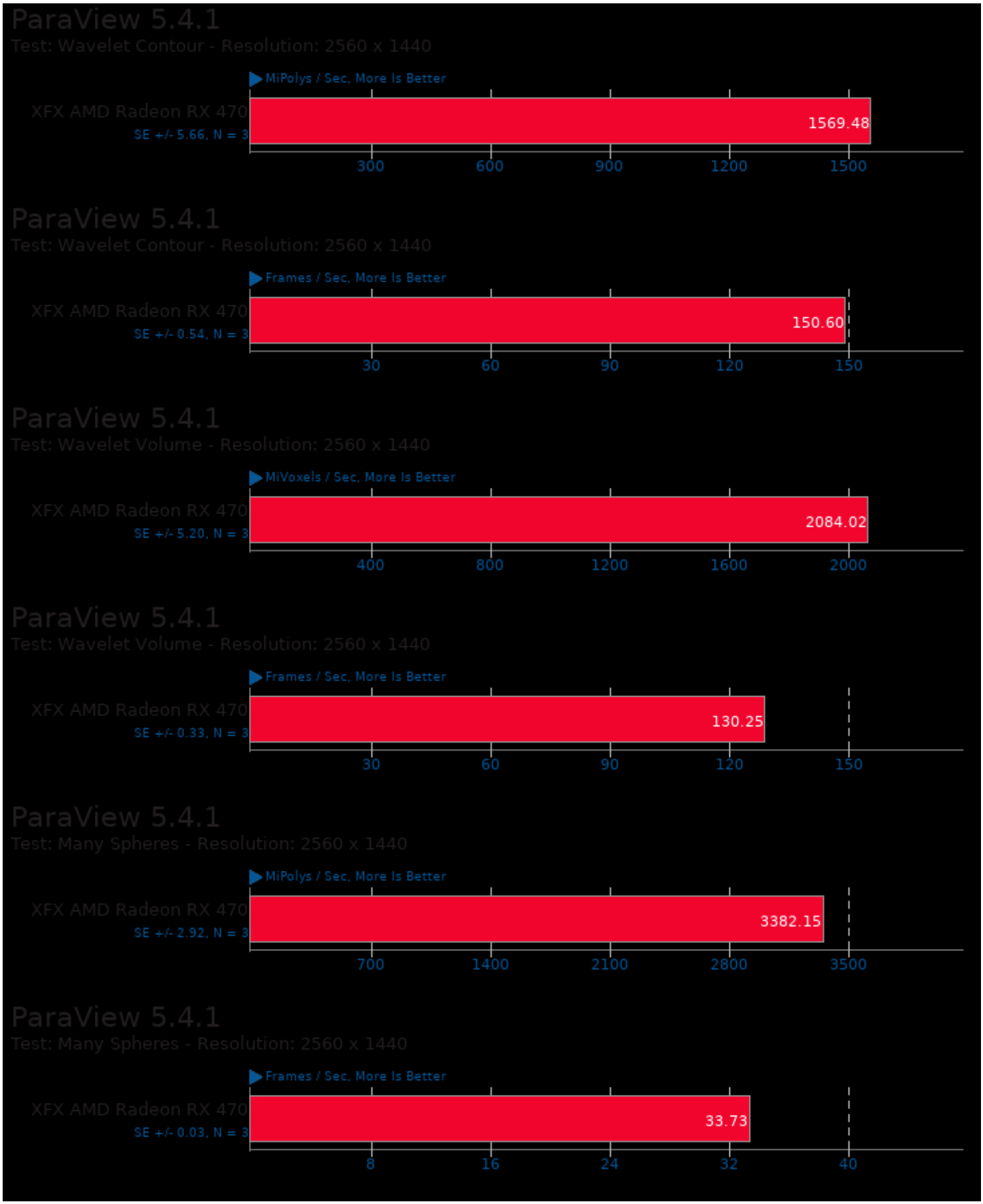
XFX AMD Radeon RX 470

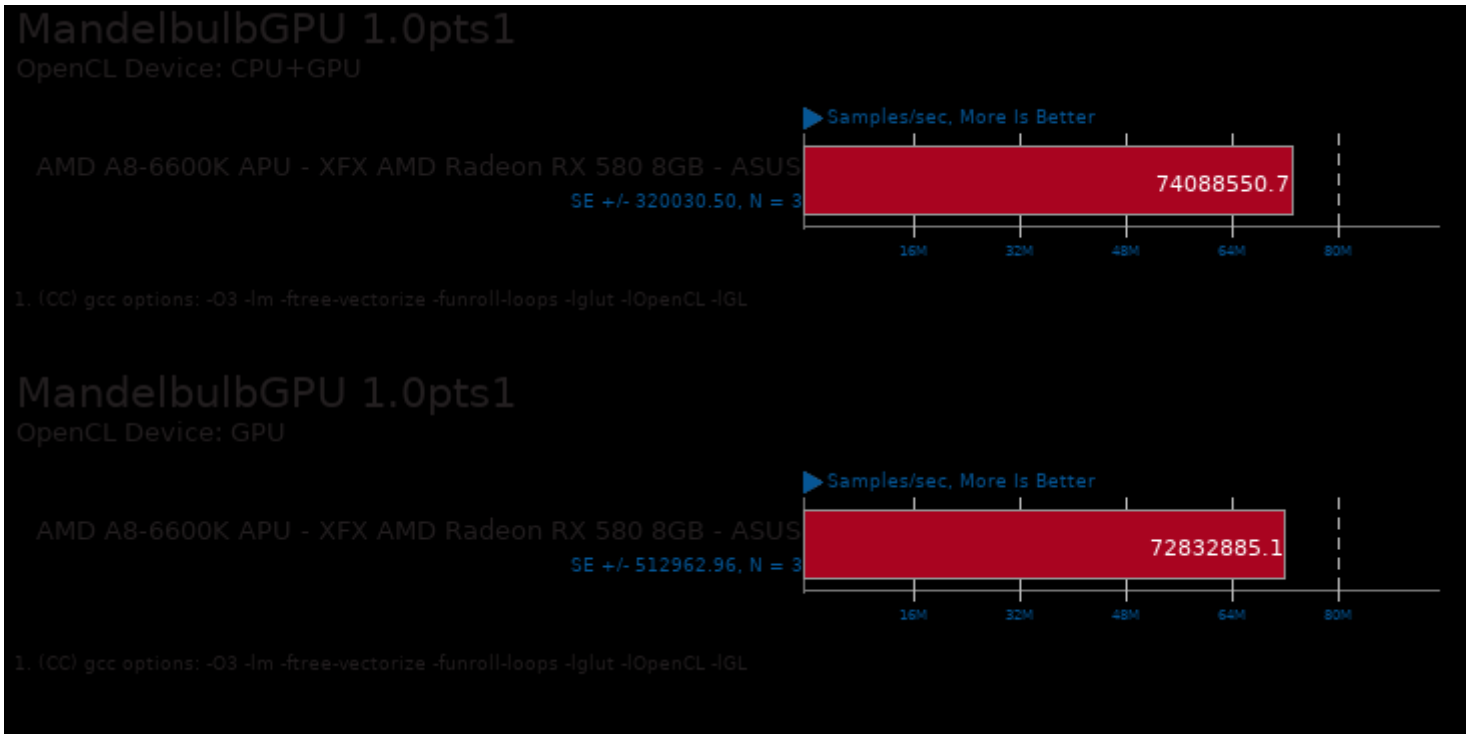
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OS: Linuxmint 20, Kernel: 5.4.0-54-generic (x86_64), Desktop: Cinnamon 4.6.7, Display Server: X Server 1.20.8, Display Driver: modesetting 1.20.8, OpenGL: 4.6 Mesa 20.1.5 (LLVM 10.0.1), OpenCL: OpenCL 2.1 AMD-APP (3180.7), Compiler: GCC 9.3.0, File-System: ext4, Screen Resolution: 2560x1440

Processor Notes: Scaling Governor: acpi-cpufreq ondemand - CPU Microcode: 0x6001119
Graphics Notes: GLAMOR
Python Notes: Python 2.7.18 + Python 3.8.5
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: 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 Full AMD retpoline STIBP: disabled RSB filling + srbds: Not affected + tsx_async_abort: Not affected

	AMD A8-6600K APU - XFX AMD Radeon RX 580 8GB - ASUS	XFX AMD Radeon RX 470
ParaView - Wavelet Contour - 2560 x 1440 (MiPolys / Sec)		1569
Standard Deviation		0.6%
ParaView - Wavelet Contour - 2560 x 1440 (Frames / Sec)		150.60
Standard Deviation		0.6%
ParaView - Wavelet Volume - 2560 x 1440 (MiVoxels / Sec)		2084
Standard Deviation		0.4%
ParaView - Wavelet Volume - 2560 x 1440 (Frames /		130.25
Standard Deviation		0.4%
ParaView - Many Spheres - 2560 x 1440 (MiPolys /		3382
Standard Deviation		0.1%
ParaView - Many Spheres - 2560 x 1440 (Frames / Sec)		33.73
Standard Deviation		0.1%
MandelbulbGPU - CPU+GPU (Samples/sec)	74088551	
Standard Deviation	0.7%	
MandelbulbGPU - GPU (Samples/sec)	72832885	
Standard Deviation	1.2%	


ParaView 5.4.1
Test: Wavelet Contour - Resolution: 2560 x 1440
MiPolys / Sec, More Is Better
XFX AMD Radeon RX 470
SE +/- 5.66, N = 3
1569.48
300
600
900
1200
1500
ParaView 5.4.1
Test: Wavelet Contour - Resolution: 2560 x 1440
Frames / Sec, More Is Better
XFX AMD Radeon RX 470
SE +/- 0.54, N = 3
150.60
30
60
90
120
150
ParaView 5.4.1
Test: Wavelet Volume - Resolution: 2560 x 1440
MiVoxels / Sec, More Is Better
XFX AMD Radeon RX 470
SE +/- 5.20, N = 3
2084.02
400
800
1200
1600
2000
ParaView 5.4.1
Test: Wavelet Volume - Resolution: 2560 x 1440
Frames / Sec, More Is Better
XFX AMD Radeon RX 470
SE +/- 0.33, N = 3
130.25
30
60
90
120
150
ParaView 5.4.1
Test: Many Spheres - Resolution: 2560 x 1440
MiPolys / Sec, More Is Better
XFX AMD Radeon RX 470
SE +/- 2.92, N = 3
3382.15
700
1400
2100
2800
3500
ParaView 5.4.1
Test: Many Spheres - Resolution: 2560 x 1440
Frames / Sec, More Is Better
XFX AMD Radeon RX 470
SE +/- 0.03, N = 3
33.73
8
16
24
32
40



This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 02:52.