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xanmod5134-cacule-aocc31, xanmod5134-cacule-llvm12

AMD Ryzen 5 3600XT 6-Core testing with a ASUS Pro WS X570-ACE (3601 BIOS) and ASUS AMD Radeon RX 5600 OEM/5600 XT / 5700/5700 8GB on Pop 21.04 via the Phoronix Test Suite.

Automated Executive Summary

Xanmod 5.13.4 Cacule AOCC 3.1 had the most wins, coming in first place for 66% of the tests.

Based on the geometric mean of all complete results, the fastest (Xanmod 5.13.4 Cacule AOCC 3.1) was 1.005x the speed of the slowest (Xanmod 5.13.4 Cacule LLVM12).

Test Systems:

Xanmod 5.13.4 Cacule AOCC 3.1

Xanmod 5.13.4 Cacule LLVM12

Processor: AMD Ryzen 5 3600XT 6-Core @ 3.80GHz (6 Cores / 12 Threads), Motherboard: ASUS Pro WS X570-ACE

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(3601 BIOS), Chipset: AMD Starship/Matisse, Memory: 16GB, Disk: 256GB SAMSUNG MZVL2256HCHQ-00B00 + 1000GB Seagate ST1000DM010-2EP1 + 64GB SanDisk SDSSDHP0 + 128GB SanDisk SDSSDH21 + 15GB DataTraveler 2.0, Graphics: ASUS AMD Radeon RX 5600 OEM/5600 XT / 5700/5700 8GB (2100/875MHz), Audio: AMD Navi 10 HDMI Audio, Monitor: SyncMaster, Network: Intel I211 + Qualcomm Atheros AR9287

OS: Pop 21.04, Kernel: 5.13.4-xanmod1-cacule (x86_64), Desktop: GNOME Shell 3.38.4, Display Server: X Server 1.20.11 + Wayland, OpenGL: 4.6 Mesa 21.3.0-devel (git-e42bb25ee2) (LLVM 12.0.1), Vulkan: 1.2.185, Compiler: GCC 11.1.1 20210626 + Clang 12.0.1-1~oibaf~h + LLVM 12.0.1, File-System: ext4, Screen Resolution: 1920x1200

Kernel Notes: Transparent Huge Pages: madvise
Processor Notes: Scaling Governor: acpi-cpufreq performance (Boost: Enabled) - CPU Microcode: 0x8701021
Graphics Notes: GLAMOR
Python Notes: Python 3.9.5
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 IBPB: conditional STIBP: conditional RSB filling + srbds: Not affected + tsx_async_abort: Not affected

	Xanmod 5.13.4 Cacule AOCC 3.1	Xanmod 5.13.4 Cacule LLVM12
GLmark2 - 1920 x 1200 (Score)	**13097**	**13099**
Normalized	99.98%	100%
OpenArena - 1920 x 1080 (FPS)	**531.5**	**539.2**
Normalized	98.57%	100%
Standard Deviation	4.3%	0.8%
Tesseract - 1920 x 1200 (FPS)	**913.5167**	**911.0938**
Normalized	100%	99.73%
Standard Deviation	1.9%	0.9%
Unigine Heaven - 1920 x 1200 - Fullscreen - OpenGL (FPS)	**156.471**	**156.371**
Normalized	100%	99.94%
Standard Deviation	0%	0.1%
Unigine Valley - 1920 x 1200 - Fullscreen - OpenGL (FPS)	**171.612**	**171.809**
Normalized	99.89%	100%
Standard Deviation	0.8%	0.5%
Xonotic - 1920 x 1200 - Low (FPS)	**635.9400932**	**629.7504356**
Normalized	100%	99.03%
Standard Deviation	0.3%	1.3%
Xonotic - 1920 x 1200 - High (FPS)	**558.5089614**	**551.5450142**
Normalized	100%	98.75%
Standard Deviation	0.2%	1.4%
Xonotic - 1920 x 1200 - Ultra (FPS)	**499.6733241**	**487.0935573**
Normalized	100%	97.48%
Standard Deviation	0.8%	0.7%
Xonotic - 1920 x 1200 - Ultimate (FPS)	**395.9788110**	**391.7352073**
Normalized	100%	98.93%
Standard Deviation	0.7%	1.5%

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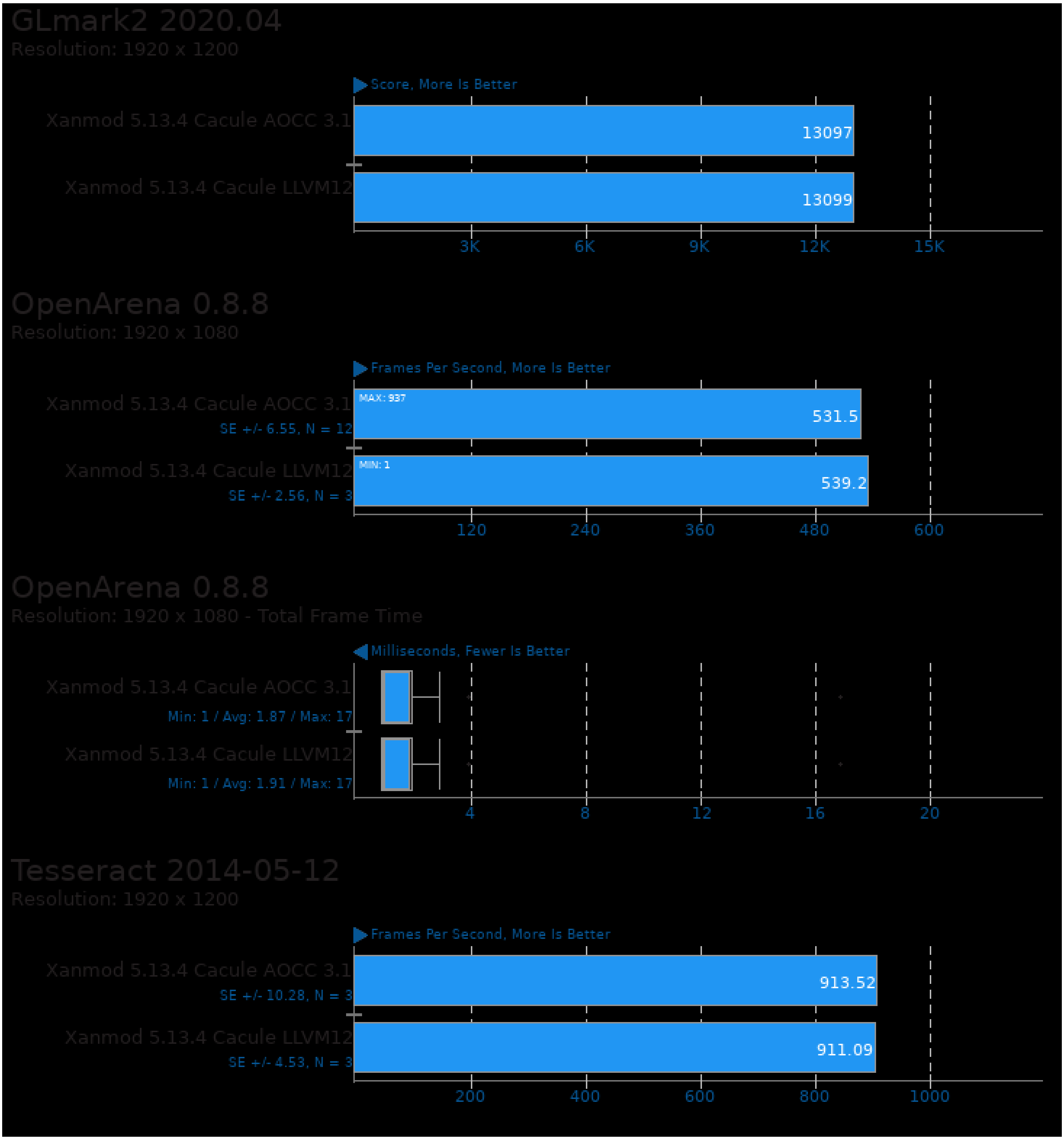
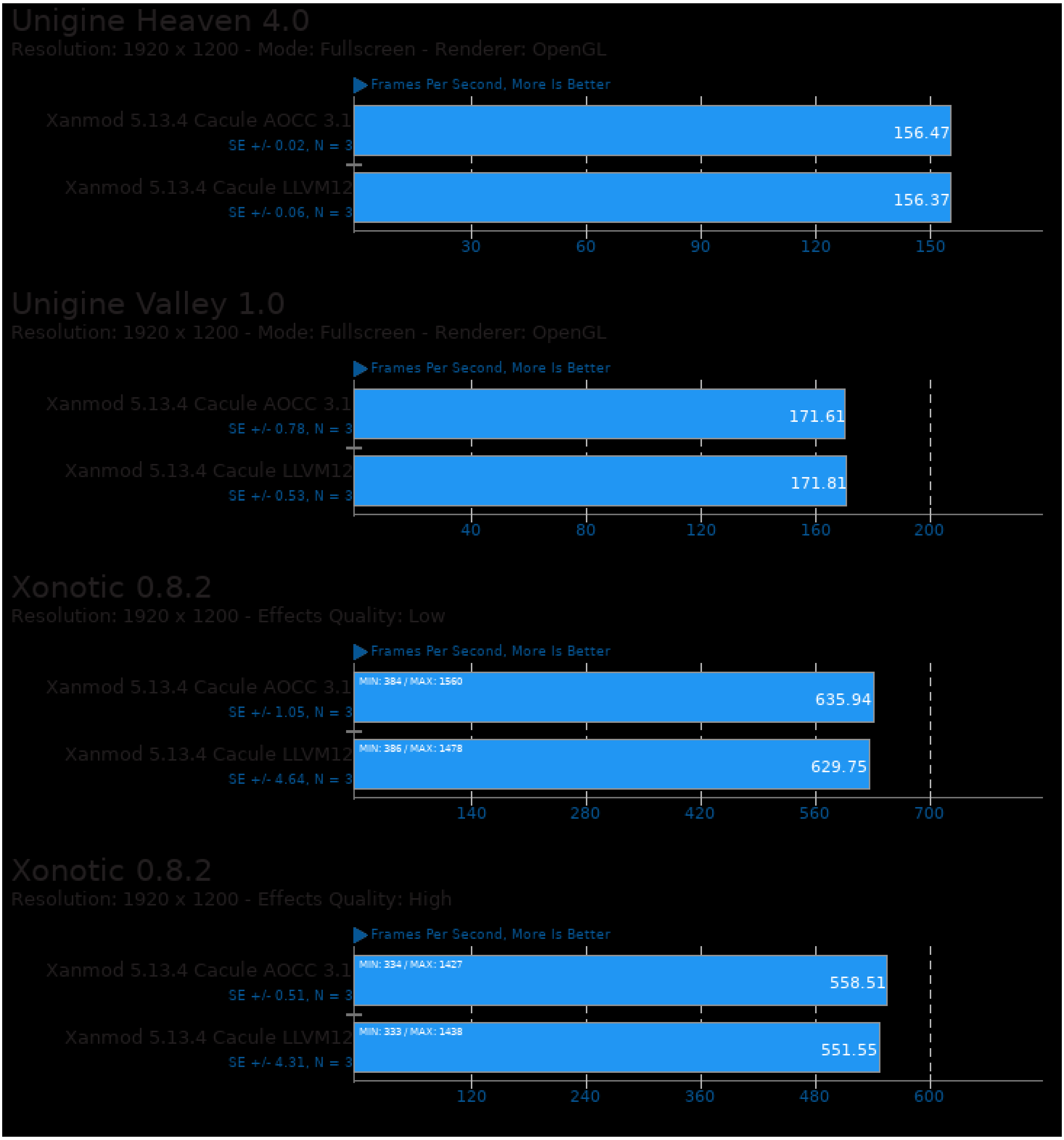
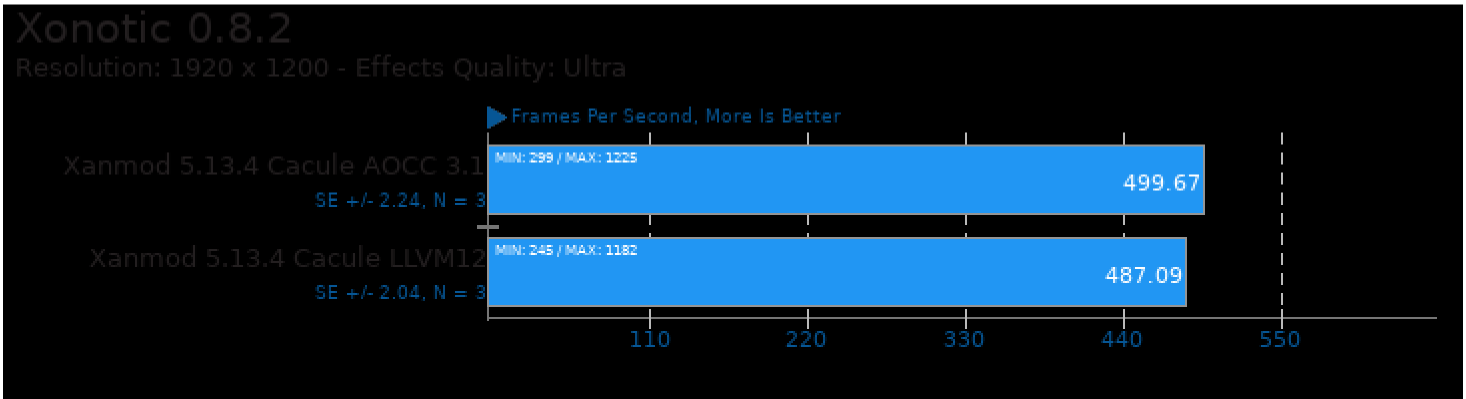
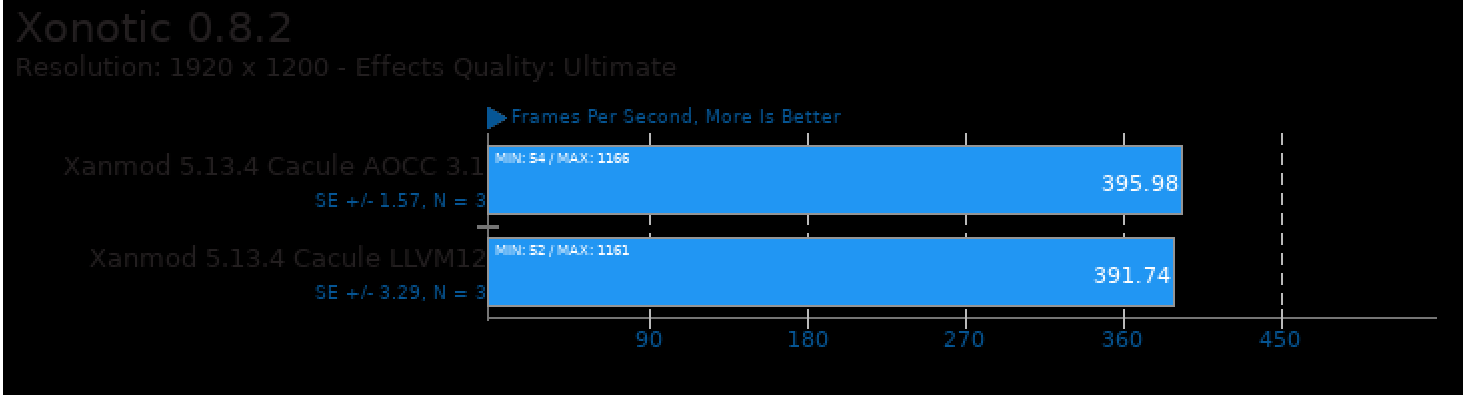



Unigine Heaven 4.0
Resolution: 1920 x 1200 - Mode: Fullscreen - Renderer: OpenGL
Frames Per Second, More Is Better
Xanmod 5.13.4 Cacule AOCC 3.1
SE +/- 0.02, N = 3
156.47
Xanmod 5.13.4 Cacule LLVM12
SE +/- 0.06, N = 3
156.37
30
60
90
120
150
Unigine Valley 1.0
Resolution: 1920 x 1200 - Mode: Fullscreen - Renderer: OpenGL
Frames Per Second, More Is Better
Xanmod 5.13.4 Cacule AOCC 3.1
SE +/- 0.78, N = 3
171.61
Xanmod 5.13.4 Cacule LLVM12
SE +/- 0.53, N = 3
171.81
40
80
120
160
200
Xonotic 0.8.2
Resolution: 1920 x 1200 - Effects Quality: Low
Frames Per Second, More Is Better
Xanmod 5.13.4 Cacule AOCC 3.1
SE +/- 1.05, N = 3
MIN: 384 / MAX: 1560
635.94
Xanmod 5.13.4 Cacule LLVM12
SE +/- 4.64, N = 3
MIN: 386 / MAX: 1478
629.75
140
280
420
560
700
Xonotic 0.8.2
Resolution: 1920 x 1200 - Effects Quality: High
Frames Per Second, More Is Better
Xanmod 5.13.4 Cacule AOCC 3.1
SE +/- 0.51, N = 3
MIN: 334 / MAX: 1427
558.51
Xanmod 5.13.4 Cacule LLVM12
SE +/- 4.31, N = 3
MIN: 333 / MAX: 1438
551.55
120
240
360
480
600


Xonotic 0.8.2
Resolution: 1920 x 1200 - Effects Quality: Ultra
Frames Per Second, More Is Better
Xanmod 5.13.4 Cacule AOCC 3.1
SE +/- 2.24, N = 3
MIN: 299 / MAX: 1225
499.67
Xanmod 5.13.4 Cacule LLVM12
SE +/- 2.04, N = 3
MIN: 245 / MAX: 1182
487.09
110
220
330
440
550


Xonotic 0.8.2
Resolution: 1920 x 1200 - Effects Quality: Ultimate
Frames Per Second, More Is Better
Xanmod 5.13.4 Cacule AOCC 3.1
SE +/- 1.57, N = 3
MIN: 54 / MAX: 1166
395.98
Xanmod 5.13.4 Cacule LLVM12
SE +/- 3.29, N = 3
MIN: 52 / MAX: 1161
391.74
90
180
270
360
450

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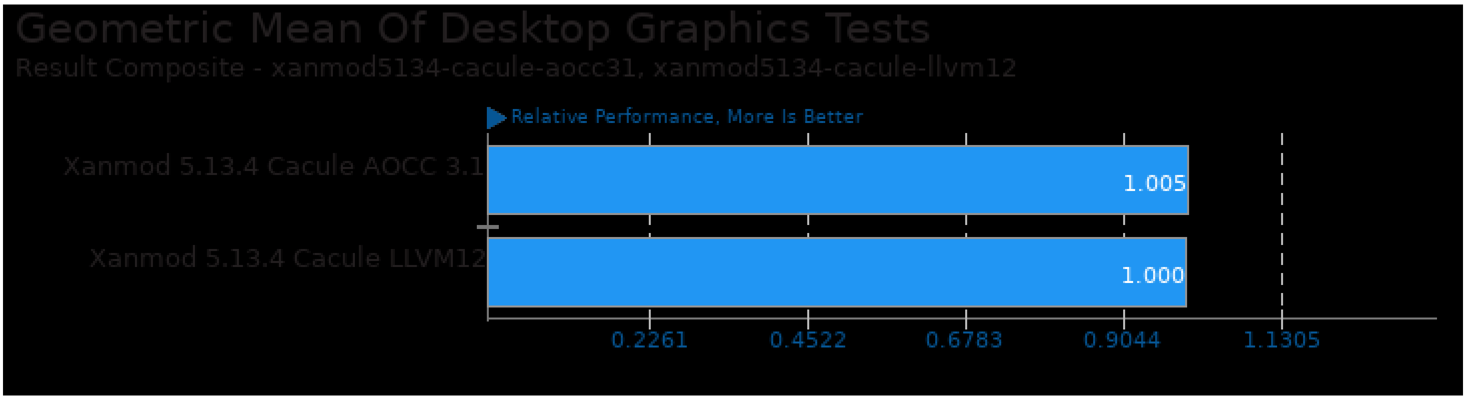
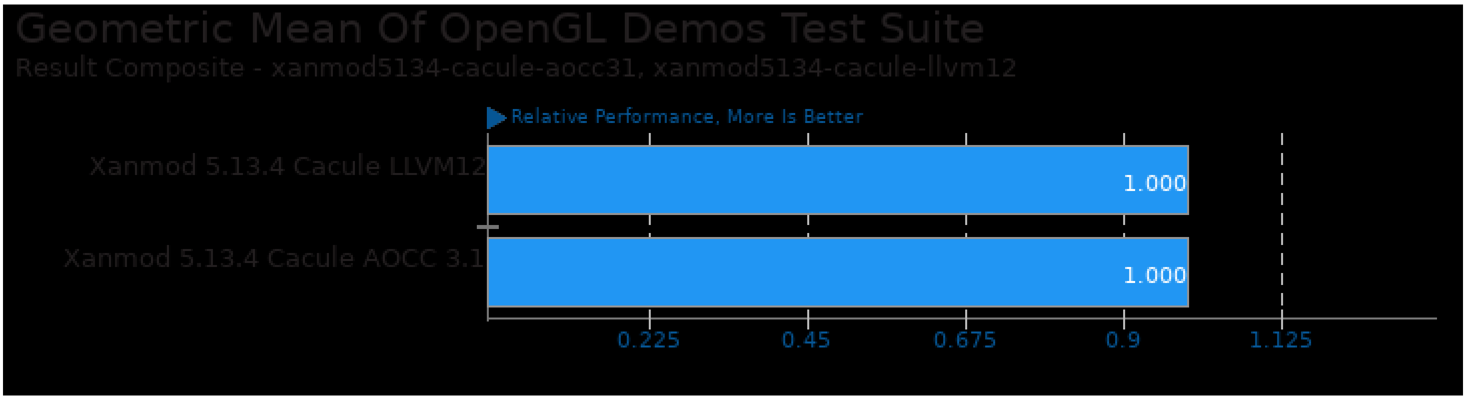
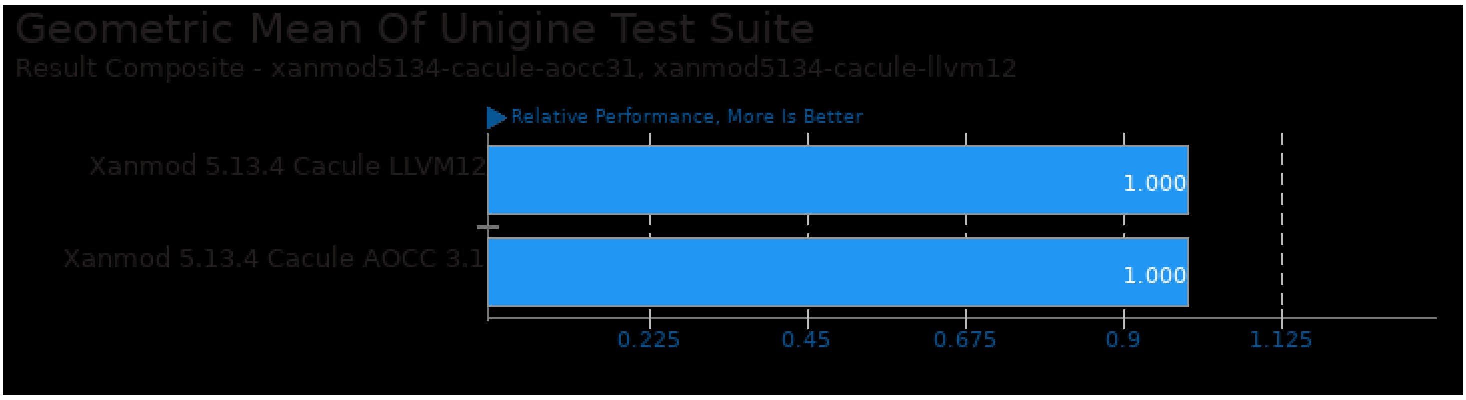
These geometric means are based upon test groupings / test suites for this result file.



Geometric mean based upon tests: pts/xonotic, pts/openarena, pts/tesseract, pts/unigine-valley, pts/unigine-heaven and pts/glmark2



Geometric mean based upon tests: pts/unigine-valley and pts/unigine-heaven



Geometric mean based upon tests: pts/unigine-valley and pts/unigine-heaven

This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 06:30.