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unigine-bench

AMD Ryzen 7 2700X Eight-Core testing with a ASUS PRIME X470-PRO (5809 BIOS) and NVIDIA GeForce RTX 2070 8GB on Microsoft Windows 10 Enterprise N Build 19041 via the Phoronix Test Suite.

Test Systems:

windows

Processor: AMD Ryzen 7 2700X Eight-Core @ 3.70GHz (8 Cores / 16 Threads), Motherboard: ASUS PRIME X470-PRO (5809 BIOS), Memory: 2 x 8192 MB 3200MHz F4-3200C16-8GTZR, Disk: 1863GB WDC WD20PURZ-85GU6Y0 + 466GB Samsung SSD 970 EVO 500GB, Graphics: NVIDIA GeForce RTX 2070 8GB (2160/7001MHz), Network: TAP-Windows V9 for OpenVPN Connect + Intel I211 Gigabit Connection

OS: Microsoft Windows 10 Enterprise N Build 19041, Kernel: 10.0 (x86_64), Display Driver: 460.89 (27.21.14.6089), File-System: NTFS, Screen Resolution: 3840x2160

Security Notes: __user pointer sanitization: Disabled + Retpoline: Full + IBPB: Always

gentoo-performance

Processor: AMD Ryzen 7 2700X Eight-Core @ 3.70GHz (8 Cores / 16 Threads), Motherboard: ASUS PRIME X470-PRO (5809 BIOS), Chipset: AMD 17h, Memory: 16GB, Disk: Samsung SSD 970 EVO 500GB + 2000GB Western Digital WD20PURZ-85G, Graphics: ASUS NVIDIA GeForce RTX 2070 8GB (1410/7000MHz), Audio: NVIDIA TU106 HD Audio, Monitor: U28E590, Network: Intel I211

OS: Gentoo 2.7, Kernel: 5.10.0-pf1 (x86_64), Desktop: KDE Plasma 5.20.4, Display Server: X Server 1.20.10, Display Driver: NVIDIA 455.45.01, OpenGL: 4.6.0, Vulkan: 1.2.142, Compiler: GCC 10.2.0 + Clang 11.0.0 + LLVM 11.0.0 + CUDA 11.1, File-System: f2fs, Screen Resolution: 3840x2160

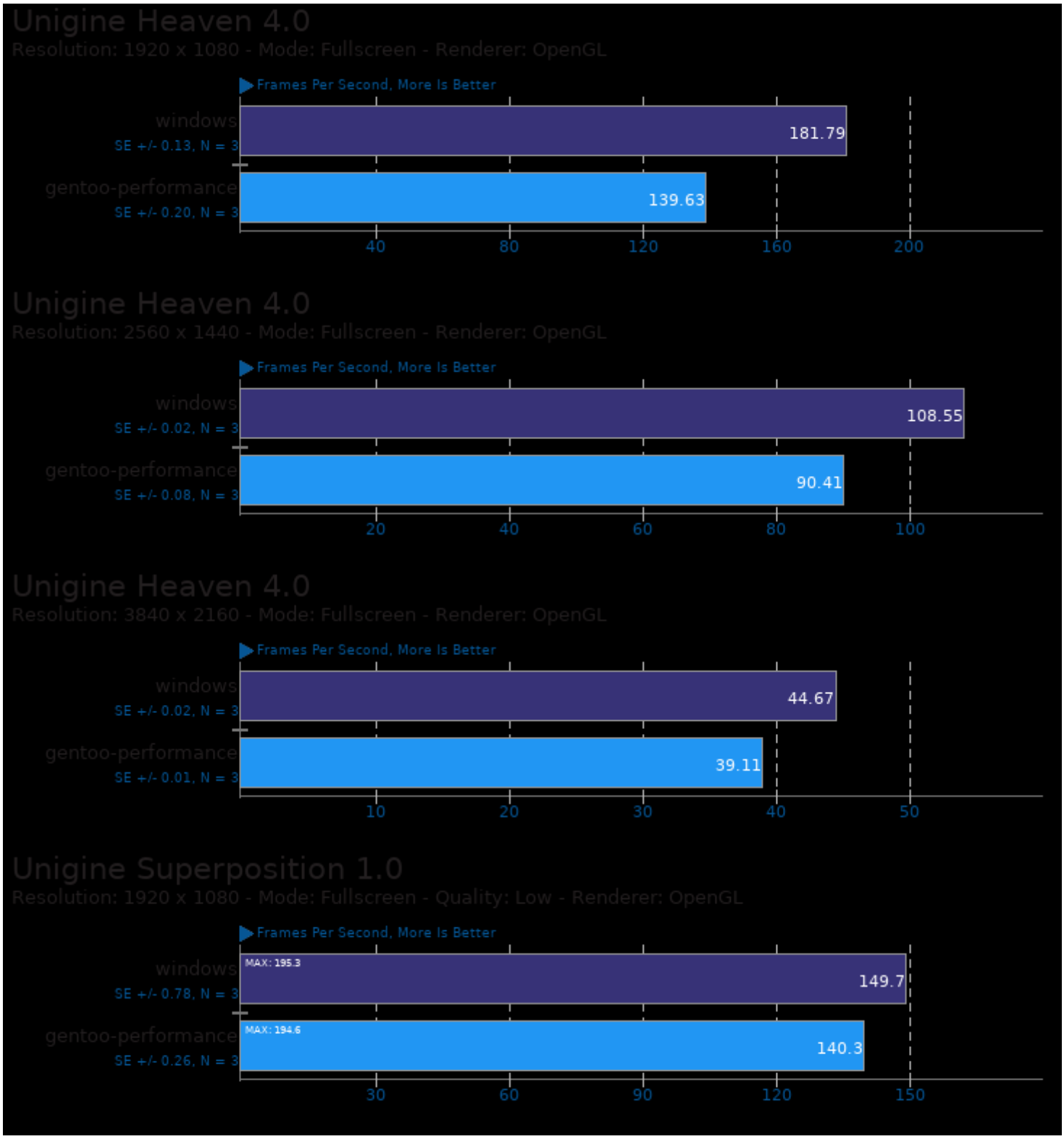
Processor Notes: Scaling Governor: acpi-cpufreq performance (Boost: Enabled) - CPU Microcode: 0x800820d
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + spec_store_bypass: Vulnerable + spectre_v1: Vulnerable: __user pointer sanitization and usercopy barriers only; no swapgs barriers + spectre_v2: Vulnerable IBPB: disabled STIBP: disabled + srbds: Not affected + tsx_async_abort: Not affected

	windows	gentoo-performance
Unigine Heaven - 1920 x 1080 - Fullscreen - OpenGL (FPS)	**181.785**	**139.629**
Normalized	100%	76.81%
Standard Deviation	0.1%	0.2%
Unigine Heaven - 2560 x 1440 - Fullscreen - OpenGL (FPS)	**108.548**	**90.4084**
Normalized	100%	83.29%
Standard Deviation	0%	0.2%
Unigine Heaven - 3840 x 2160 - Fullscreen - OpenGL (FPS)	**44.6710**	**39.1133**
Normalized	100%	87.56%
Standard Deviation	0.1%	0.1%
Unigine Superposition - 1920 x 1080 - Fullscreen - Low - OpenGL (FPS)	**149.7**	**140.3**
Normalized	100%	93.72%
Standard Deviation	0.9%	0.3%
Unigine Superposition - 2560 x 1440 - Fullscreen - Low - OpenGL (FPS)	**145.3**	**130.5**
Normalized	100%	89.81%
Standard Deviation	0.8%	0.2%
Unigine Superposition - 3840 x 2160 - Fullscreen - Low - OpenGL (FPS)	**90.0**	**79.4**
Normalized	100%	88.22%
Standard Deviation	0.1%	0.2%
Unigine Superposition - 1920 x 1080 - Fullscreen - High - OpenGL (FPS)	**82.9**	**73.7**
Normalized	100%	88.9%
Standard Deviation	0.1%	0.1%
Unigine Superposition - 2560 x 1440 - Fullscreen - High - OpenGL (FPS)	**53.7**	**48.5**
Normalized	100%	90.32%
Standard Deviation	0%	0.1%

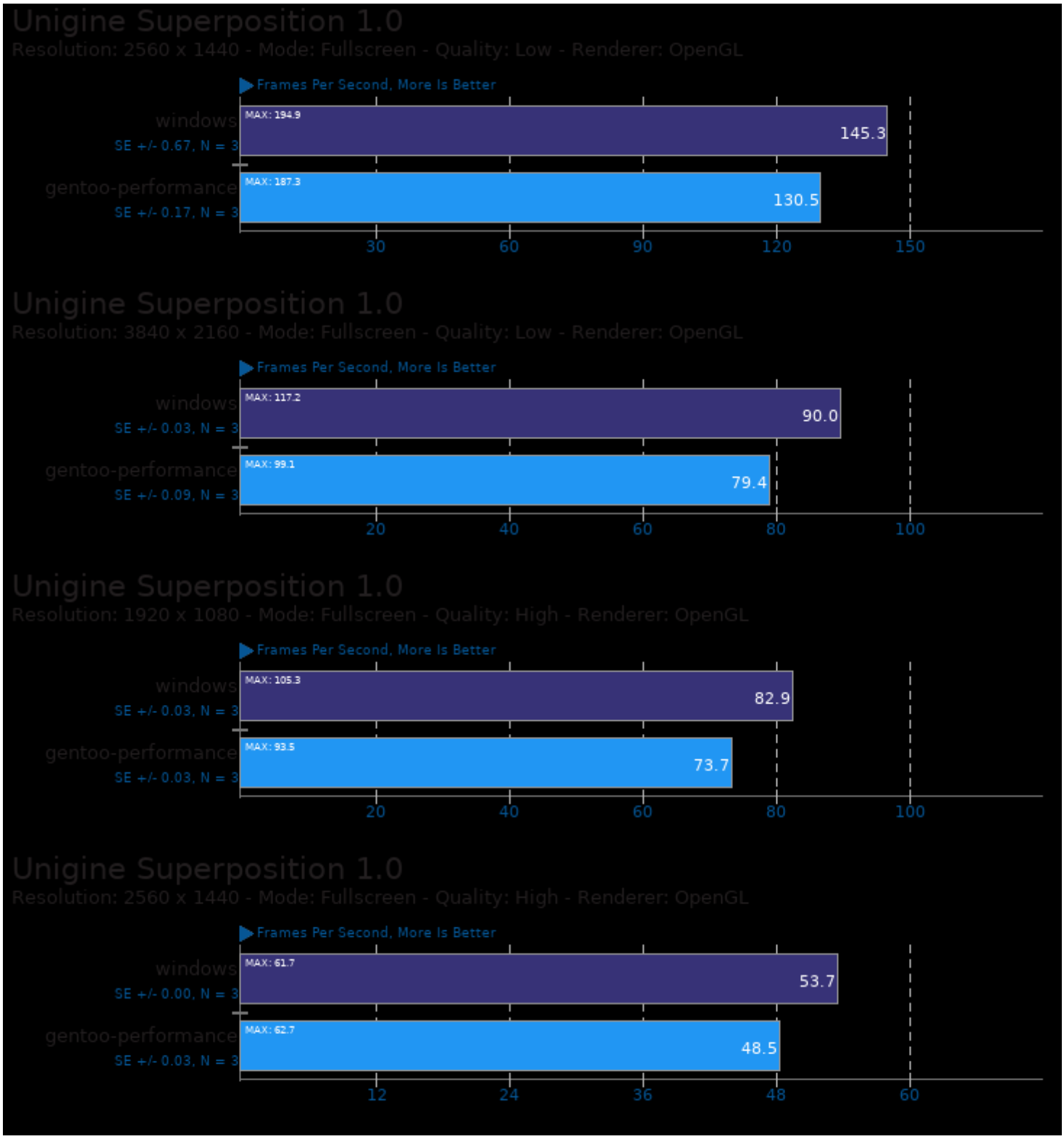
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Unigine Superposition - 3840 x 2160 - Fullscreen - High - OpenGL (FPS)	**26.4**	**24.6**
Normalized	100%	93.18%
Standard Deviation	0.2%	0%
Unigine Superposition - 1920 x 1080 - Fullscreen - Ultra - OpenGL (FPS)	**35.0**	**32.3**
Normalized	100%	92.29%
Standard Deviation	0.2%	0.4%
Unigine Superposition - 2560 x 1440 - Fullscreen - Ultra - OpenGL (FPS)	**19.4**	**18.4**
Normalized	100%	94.85%
Standard Deviation	0%	0%
Unigine Superposition - 3840 x 2160 - Fullscreen - Ultra - OpenGL (FPS)	**7.3**	**7.1**
Normalized	100%	97.26%
Standard Deviation	0%	0%
Unigine Superposition - 1920 x 1080 - Fullscreen - Medium - OpenGL (FPS)	**109.4**	**93.8**
Normalized	100%	85.74%
Standard Deviation	0.1%	0.4%
Unigine Superposition - 2560 x 1440 - Fullscreen - Medium - OpenGL (FPS)	**73.5**	**64.0**
Normalized	100%	87.07%
Standard Deviation	0.1%	0.2%
Unigine Superposition - 3840 x 2160 - Fullscreen - Medium - OpenGL (FPS)	**37.9**	**34.7**
Normalized	100%	91.56%
Standard Deviation	0.2%	0%
Unigine Valley - 1920 x 1080 - Fullscreen - OpenGL (FPS)	**156.403**	**115.397**
Normalized	100%	73.78%
Standard Deviation	2.4%	0.2%
Unigine Valley - 2560 x 1440 - Fullscreen - OpenGL (FPS)	**110.781**	**83.6968**
Normalized	100%	75.55%
Standard Deviation	0.1%	0.1%
Unigine Valley - 3840 x 2160 - Fullscreen - OpenGL (FPS)	**50.9595**	**41.5570**
Normalized	100%	81.55%
Standard Deviation	0.1%	0.1%

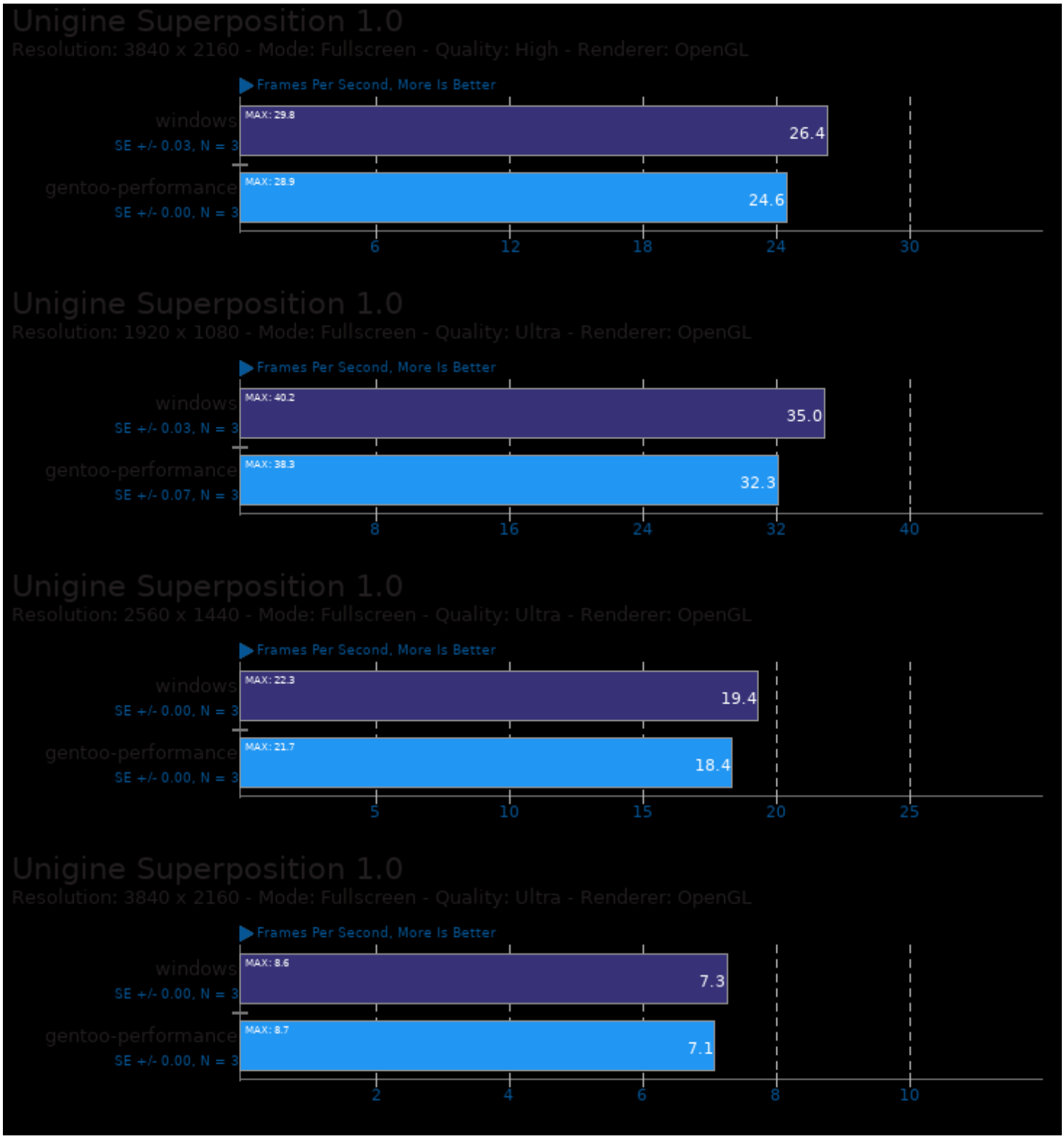
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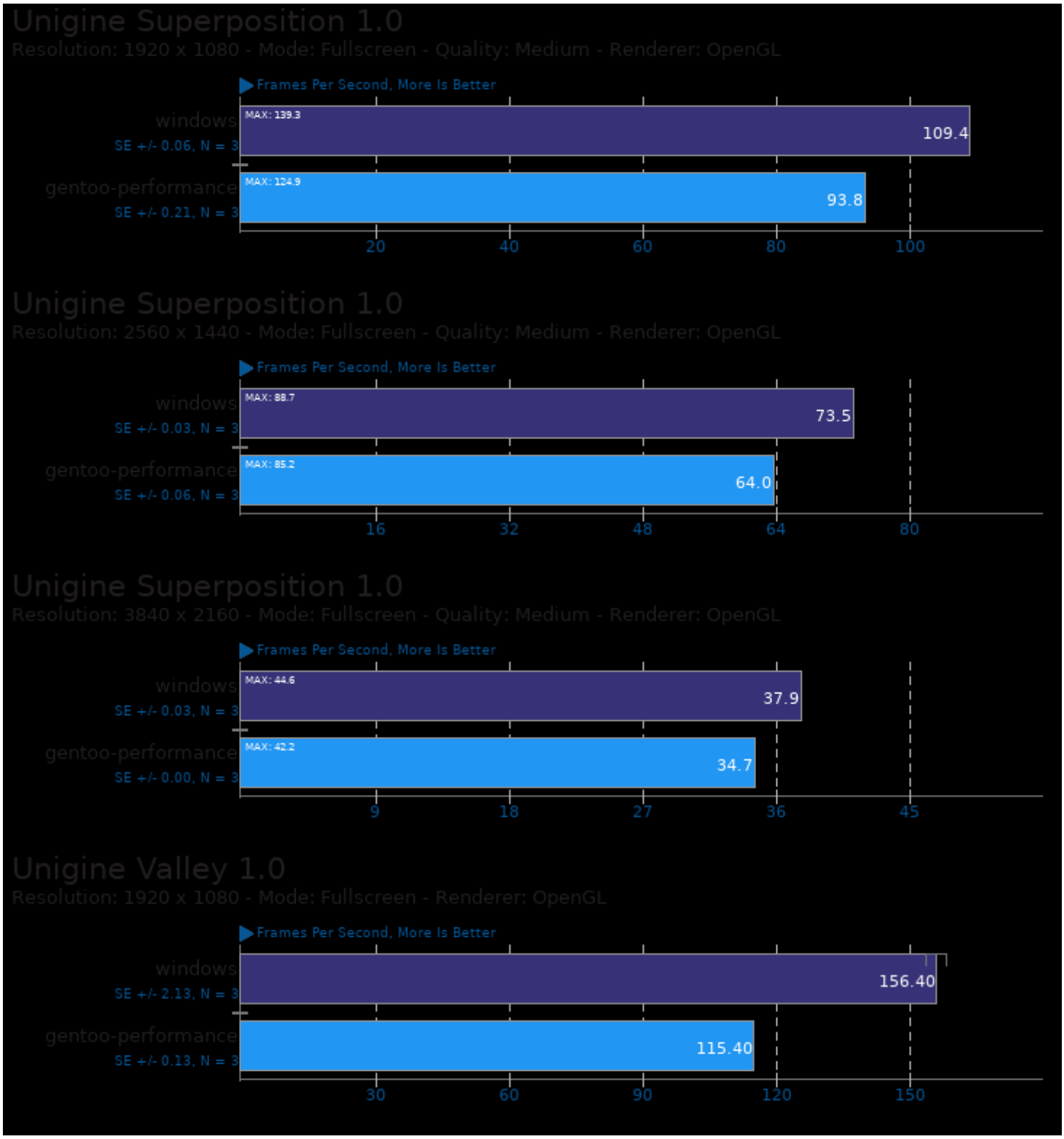
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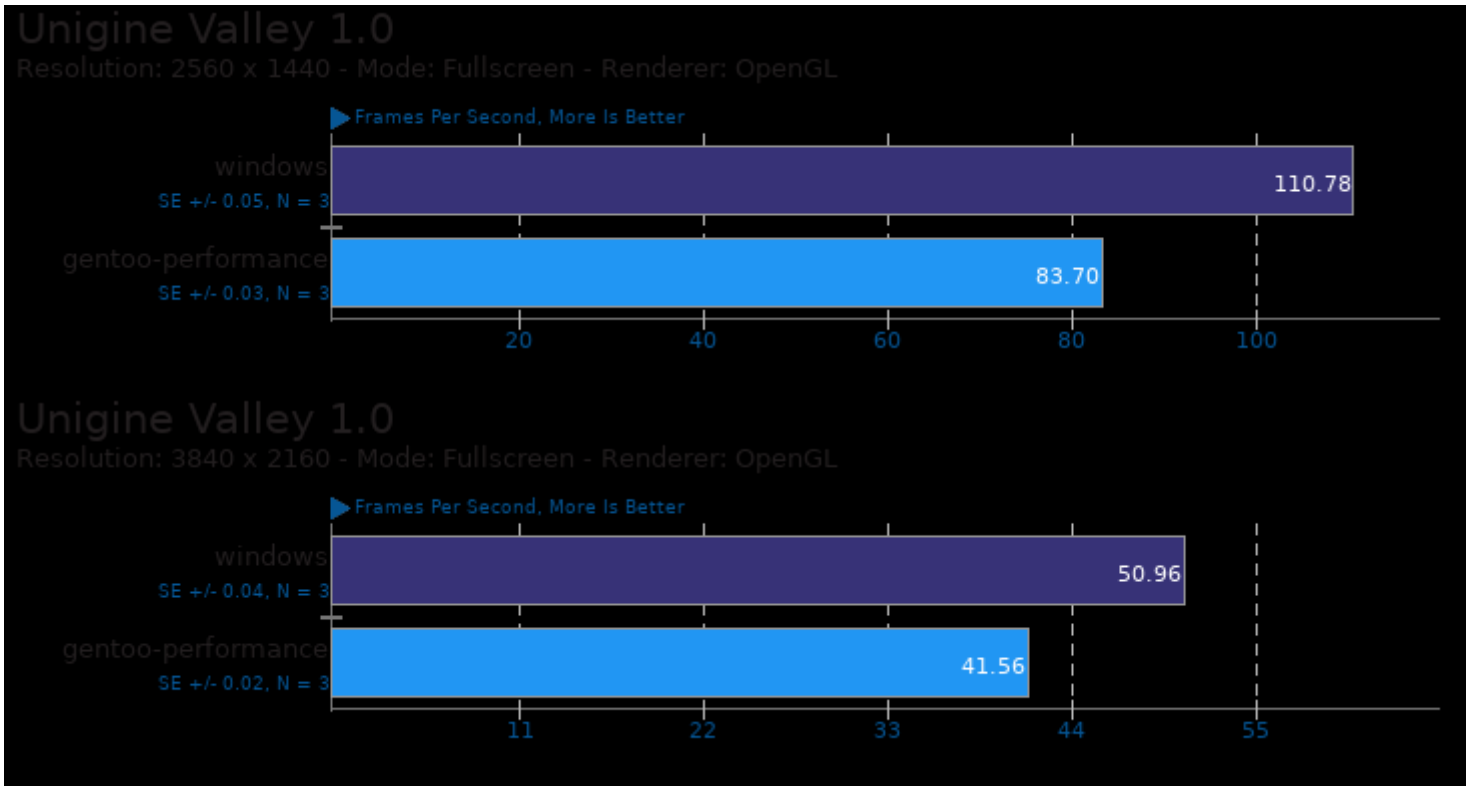
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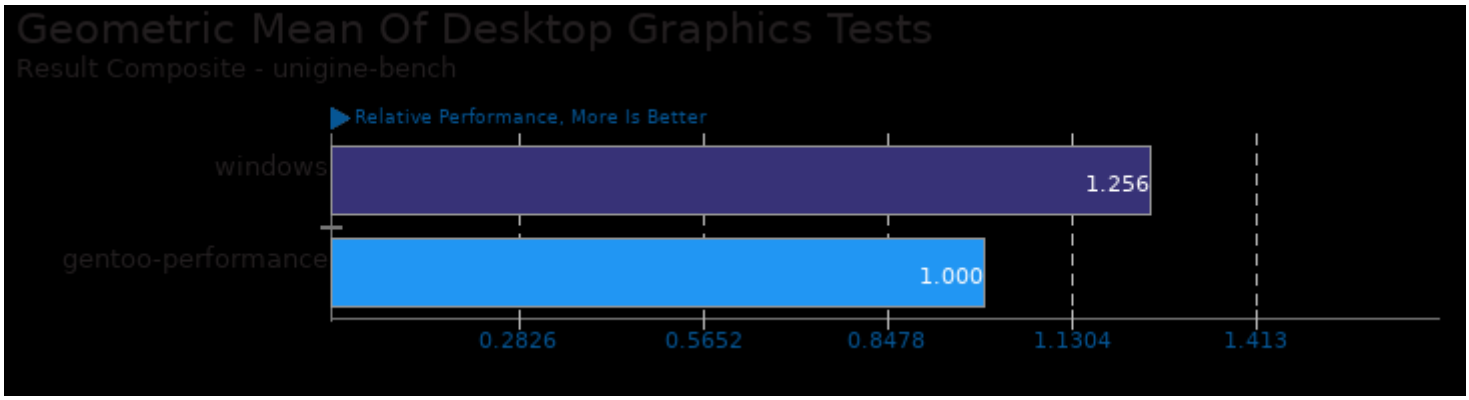


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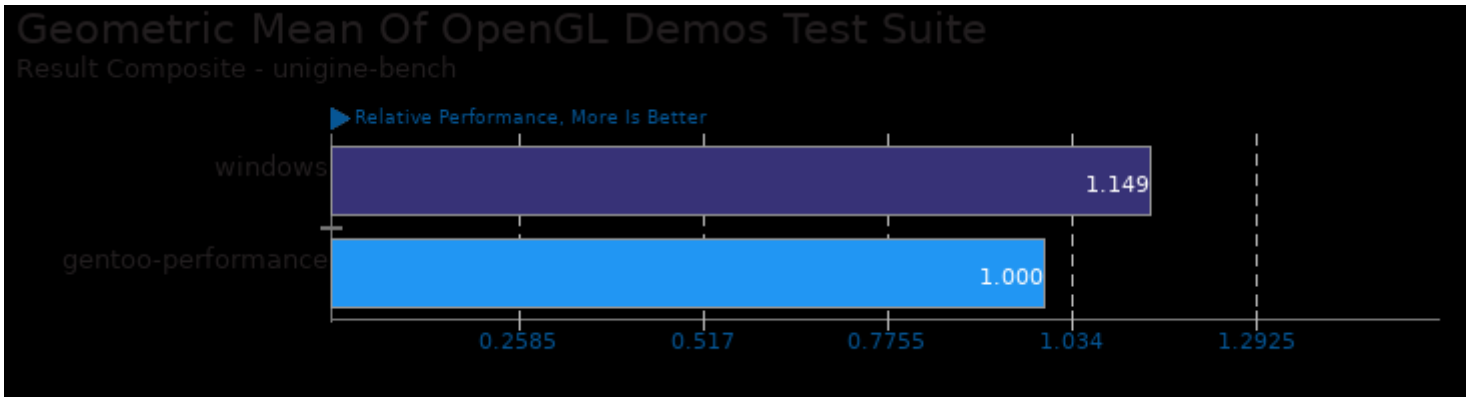


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These geometric means are based upon test groupings / test suites for this result file.



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



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



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

This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 03:40.