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gnsft-win10-prov-cpu-desktop-gpu-5jn2021

dtp-gpu_CPU host AMD Ryzen Power mode vm-balanced, Creator mode Balanced; win10

Automated Executive Summary

g-w10-pro3-R-cpu-desktop-gpu-23nov21 had the most wins, coming in first place for 41% of the tests.

Based on the geometric mean of all complete results, the fastest (g-w10-pro3-R-cpu-desktop-gpu-23nov21) was 1.905x the speed of the slowest (gnsft-win10-prov-cpu-desktop-gpu-5jn2021). g-w10-pr0-3vm1-cpu-desktop-gpu-23nov21 was 0.828x the speed of g-w10-pro3-R-cpu-desktop-gpu-23nov21 and gnsft-win10-prov-cpu-desktop-gpu-5jn2021 was 0.634x the speed of g-w10-pr0-3vm1-cpu-desktop-gpu-23nov21.

Test Systems:

gnsft-win10-prov-cpu-desktop-gpu-5jn2021

Processor: AMD Ryzen Threadripper 3960X 24-Core @ 3.80GHz (4 Cores), Motherboard: Intel 440BX, Memory: 1 x 16384 MB 0MHz VMW-16384MB, Disk: 512GB VMware Virtual S, Graphics: VMware SVGA 3D, Network:

TAP-Windows V9 + Intel Dual Band Wireless-AC 8265 + Bluetooth Device (Personal Area)

OS: Microsoft Windows 10 Pro Build 18362, Kernel: 10.0 (x86_64), Display Driver: 8.16.7.5, Compiler: GCC 7.1.0, File-System: NTFS, Screen Resolution: 1904x968, System Layer: VMware

Python Notes: Python 3.6.5

g-w10-pr0-3vm1-cpu-desktop-gpu-23nov21

Processor: AMD Ryzen Threadripper 3960X 24-Core @ 3.80GHz (8 Cores), Motherboard: Intel 440BX, Memory: 1 x 16384 MB 0MHz VMW-16384MB, Disk: 512GB VMware Virtual S, Graphics: VMware SVGA 3D, Network: Intel 82574L Gigabit Connection #6 + TAP-Windows V9 + Intel 82574L Gigabit Connection + Intel 82574L Gigabit Connection #2

OS: Microsoft Windows 11 Pro Build 22000, Kernel: 10.0 (x86_64), Display Driver: 8.17.3.1, Compiler: GCC 7.1.0, File-System: NTFS, Screen Resolution: 2558x1343, System Layer: VMware

g-w10-pro3-R-cpu-desktop-gpu-23nov21

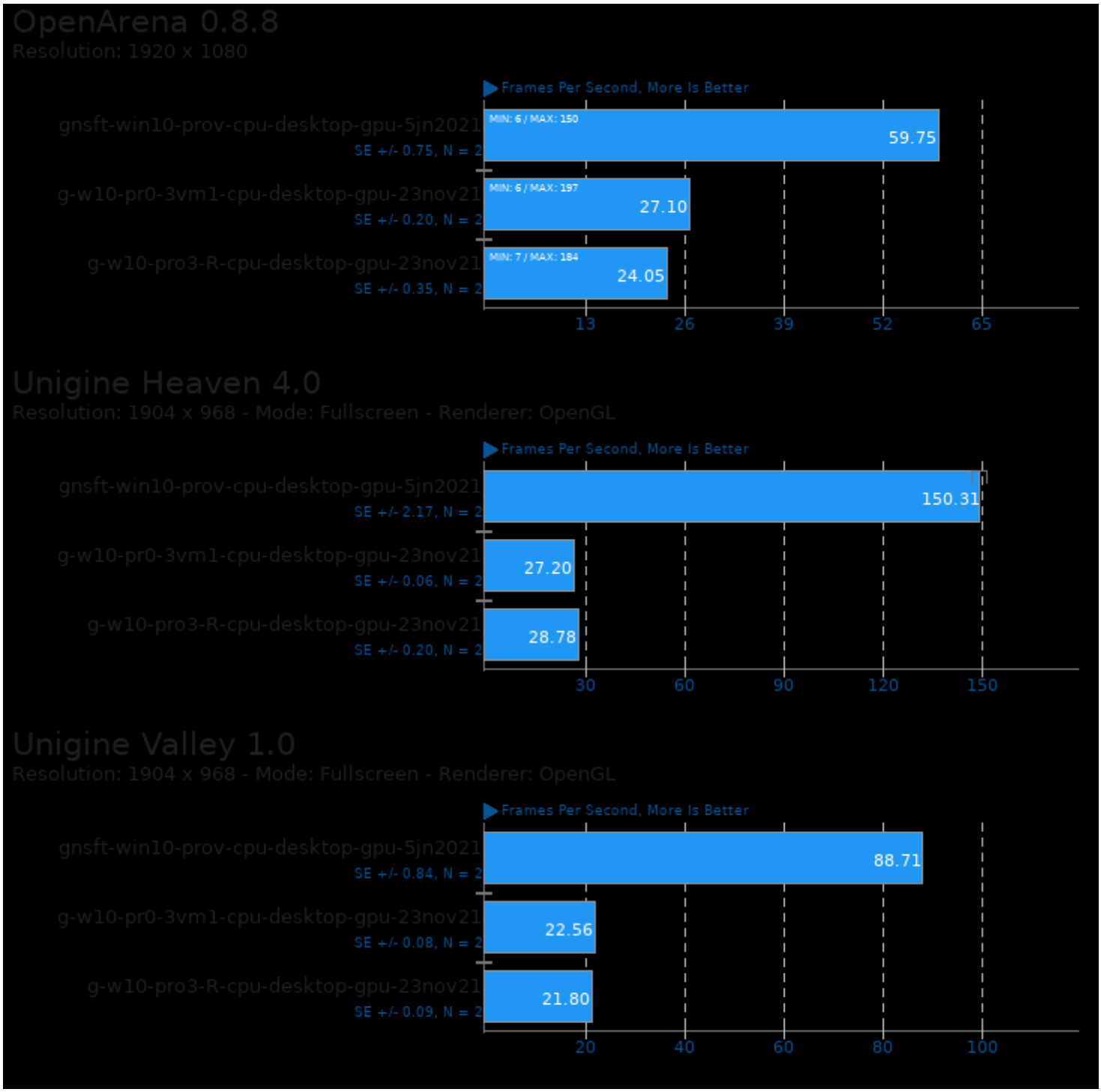
Processor: AMD Ryzen Threadripper 3960X 24-Core @ 3.80GHz (16 Cores), Motherboard: Intel 440BX, Memory: 1 x 16384 MB 0MHz VMW-16384MB, Disk: 477GB VMware Virtual NVMe Disk, Graphics: Mirage Driver + VMware SVGA 3D, Network: TAP-Windows V9 + Intel Dual Band Wireless-AC 8265 + Bluetooth Device (Personal Area)

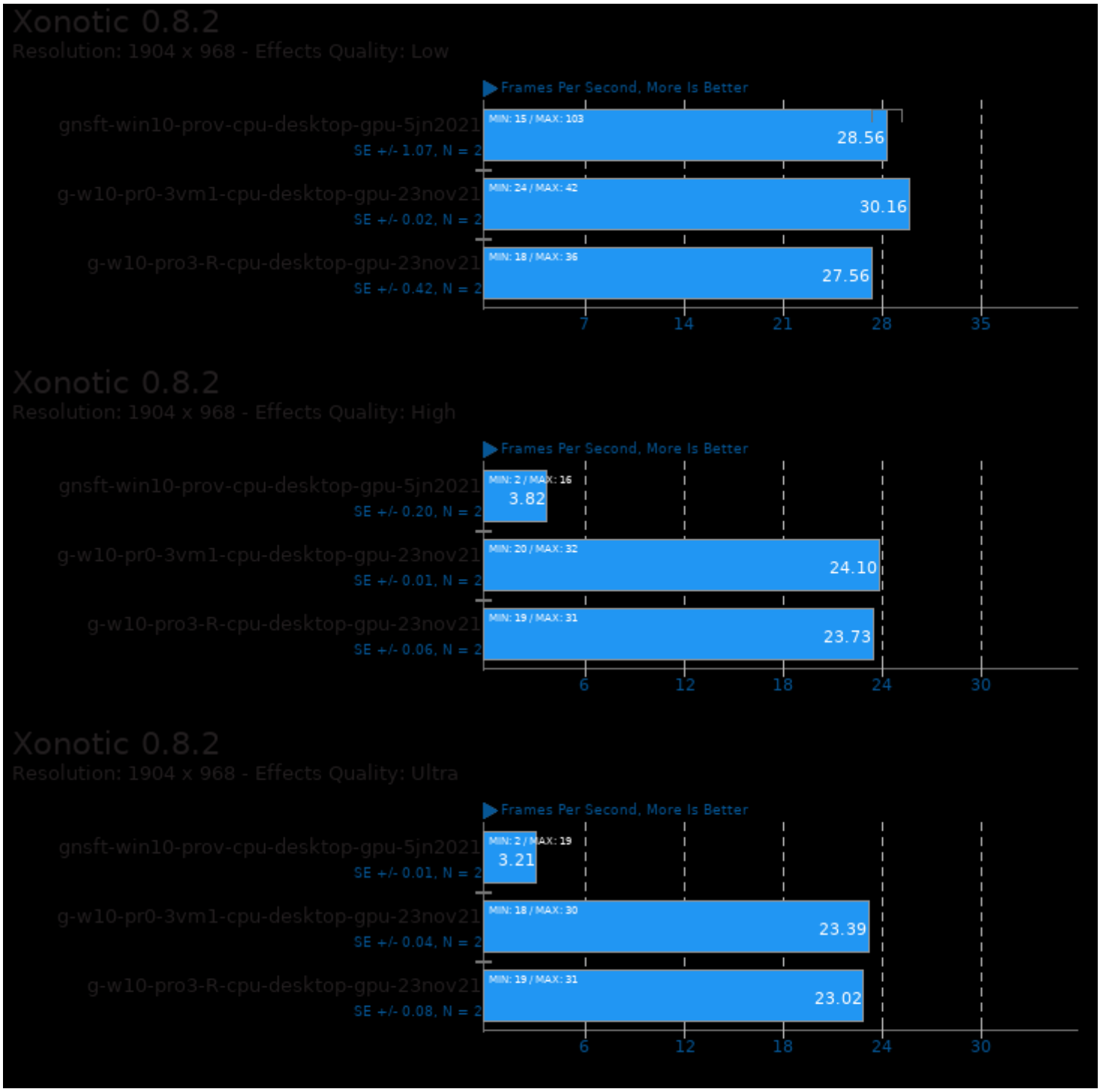
OS: Microsoft Windows 10 Pro Build 18362, Kernel: 10.0 (x86_64), Display Driver: 2.0.105.0, Compiler: GCC 7.1.0, File-System: NTFS, Screen Resolution: 2558x1343, System Layer: VMware

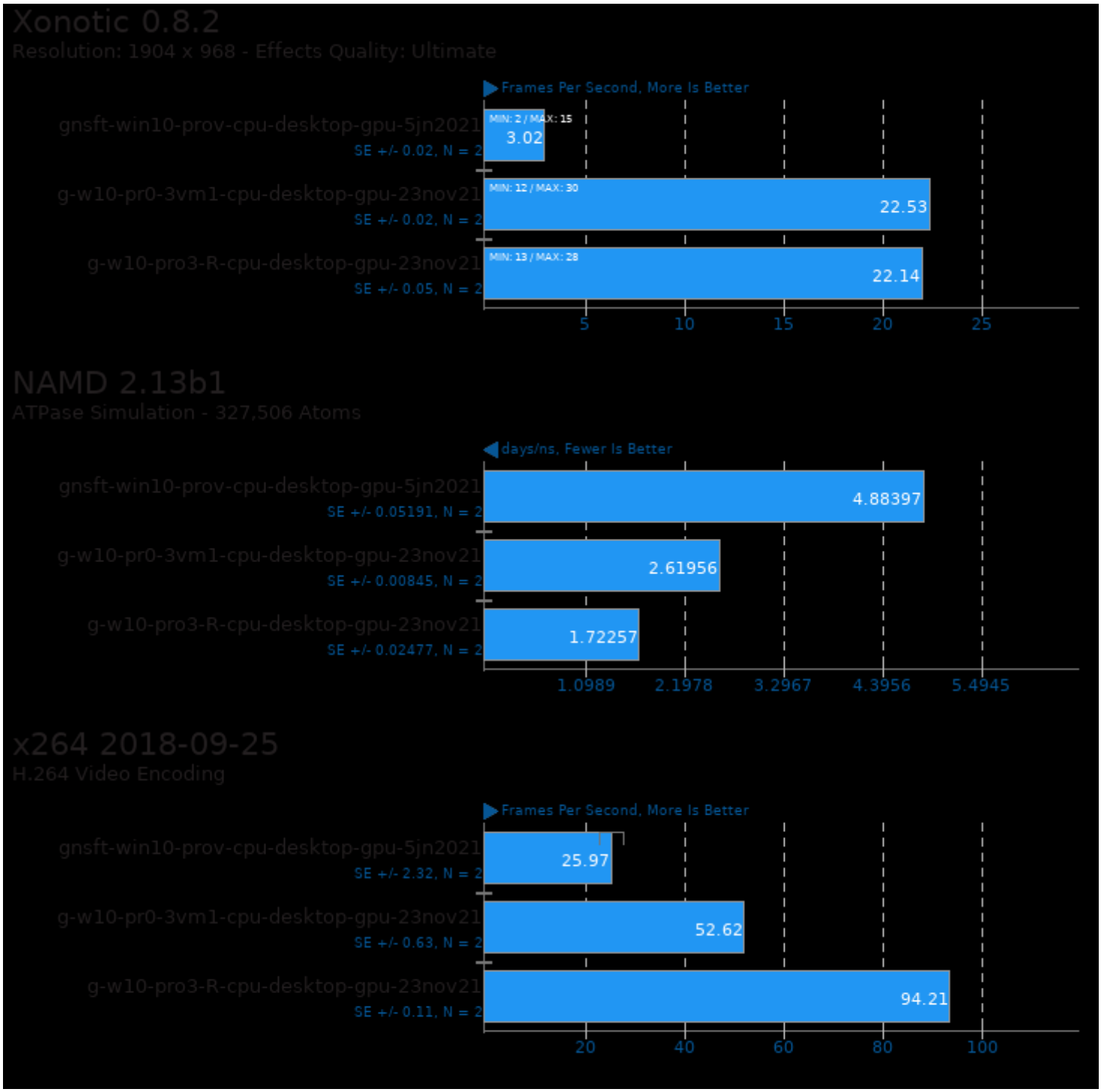
	gnsft-win10-prov-cpu-desktop-gpu-5jn2021	g-w10-pr0-3vm1-cpu-desktop-gpu-23nov21	g-w10-pro3-R-cpu-desktop-gpu-23nov21
OpenArena - 1920 x 1080 (FPS)	**59.75**	27.10	**24.05**
Normalized	100%	45.36%	40.25%
Standard Deviation	1.8%	1%	2.1%
Unigine Heaven - 1904 x 968 - Fullscreen - OpenGL (FPS)	**150.31**	**27.20**	28.78
Normalized	100%	18.1%	19.15%
Standard Deviation	2%	0.3%	1%
Unigine Valley - 1904 x 968 - Fullscreen - OpenGL (FPS)	**88.71**	22.56	**21.80**
Normalized	100%	25.43%	24.57%
Standard Deviation	1.3%	0.5%	0.6%
Xonotic - 1904 x 968 - Low (FPS)	28.56	**30.16**	**27.56**
Normalized	94.69%	100%	91.38%
Standard Deviation	5.3%	0.1%	2.2%
Xonotic - 1904 x 968 - High (FPS)	**3.82**	**24.10**	23.73
Normalized	15.85%	100%	98.46%
Standard Deviation	7.5%	0.1%	0.3%

gnsft-win10-prov-cpu-desktop-gpu-5jn2021

Xonotic - 1904 x 968 - Ultra (FPS)	**3.21**	**23.39**	23.02
Normalized	13.72%	100%	98.42%
Standard Deviation	0.6%	0.2%	0.5%
Xonotic - 1904 x 968 - Ultimate (FPS)	**3.02**	**22.53**	22.14
Normalized	13.4%	100%	98.27%
Standard Deviation	1%	0.1%	0.3%
NAMD - ATPase Simulation - 327,506 Atoms (days/ns)	**4.88397**	2.61956	**1.72257**
Normalized	35.27%	65.76%	100%
Standard Deviation	1.5%	0.5%	2%
x264 - H.2.V.E (FPS)	**25.97**	52.62	**94.21**
Normalized	27.57%	55.85%	100%
Standard Deviation	12.6%	1.7%	0.2%
7-Zip Compression - C.S.T (MIPS)	**14949**	28919	**50047**
Normalized	29.87%	57.78%	100%
Standard Deviation	0.8%	1.2%	0.5%
Stockfish - Total Time (Nodes/s)	**7492662**	15118471	**24582998**
Normalized	30.48%	61.5%	100%
Standard Deviation	4.5%	0.7%	0.4%
asmFish - 1.H.M.2.D (Nodes/s)	**7190212**	15192266	**24347574**
Normalized	29.53%	62.4%	100%
Standard Deviation	0.2%	3.5%	1.4%


OpenArena 0.8.8
Resolution: 1920 x 1080
Frames Per Second, More Is Better
gnsft-win10-prov-cpu-desktop-gpu-5jn2021
SE +/- 0.75, N = 2
MIN: 6 / MAX: 150
59.75
g-w10-pr0-3vm1-cpu-desktop-gpu-23nov21
SE +/- 0.20, N = 2
MIN: 6 / MAX: 197
27.10
g-w10-pro3-R-cpu-desktop-gpu-23nov21
SE +/- 0.35, N = 2
MIN: 7 / MAX: 184
24.05
13
26
39
52
65
Unigine Heaven 4.0
Resolution: 1904 x 968 - Mode: Fullscreen - Renderer: OpenGL
Frames Per Second, More Is Better
gnsft-win10-prov-cpu-desktop-gpu-5jn2021
SE +/- 2.17, N = 2
150.31
g-w10-pr0-3vm1-cpu-desktop-gpu-23nov21
SE +/- 0.06, N = 2
27.20
g-w10-pro3-R-cpu-desktop-gpu-23nov21
SE +/- 0.20, N = 2
28.78
30
60
90
120
150
Unigine Valley 1.0
Resolution: 1904 x 968 - Mode: Fullscreen - Renderer: OpenGL
Frames Per Second, More Is Better
gnsft-win10-prov-cpu-desktop-gpu-5jn2021
SE +/- 0.84, N = 2
88.71
g-w10-pr0-3vm1-cpu-desktop-gpu-23nov21
SE +/- 0.08, N = 2
22.56
g-w10-pro3-R-cpu-desktop-gpu-23nov21
SE +/- 0.09, N = 2
21.80
20
40
60
80
100

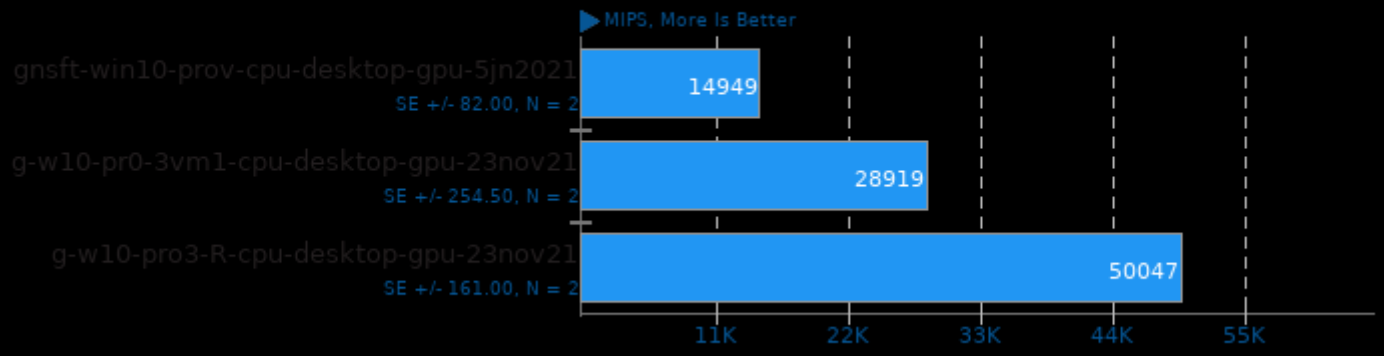

Xonotic 0.8.2
Resolution: 1904 x 968 - Effects Quality: Low
Frames Per Second, More Is Better
gnsft-win10-prov-cpu-desktop-gpu-5jn2021
SE +/- 1.07, N = 2
MIN: 15 / MAX: 103
28.56
g-w10-pr0-3vm1-cpu-desktop-gpu-23nov21
SE +/- 0.02, N = 2
MIN: 24 / MAX: 42
30.16
g-w10-pro3-R-cpu-desktop-gpu-23nov21
SE +/- 0.42, N = 2
MIN: 18 / MAX: 36
27.56
7
14
21
28
35
Xonotic 0.8.2
Resolution: 1904 x 968 - Effects Quality: High
Frames Per Second, More Is Better
gnsft-win10-prov-cpu-desktop-gpu-5jn2021
SE +/- 0.20, N = 2
MIN: 2 / MAX: 16
3.82
g-w10-pr0-3vm1-cpu-desktop-gpu-23nov21
SE +/- 0.01, N = 2
MIN: 20 / MAX: 32
24.10
g-w10-pro3-R-cpu-desktop-gpu-23nov21
SE +/- 0.06, N = 2
MIN: 19 / MAX: 31
23.73
6
12
18
24
30
Xonotic 0.8.2
Resolution: 1904 x 968 - Effects Quality: Ultra
Frames Per Second, More Is Better
gnsft-win10-prov-cpu-desktop-gpu-5jn2021
SE +/- 0.01, N = 2
MIN: 2 / MAX: 19
3.21
g-w10-pr0-3vm1-cpu-desktop-gpu-23nov21
SE +/- 0.04, N = 2
MIN: 18 / MAX: 30
23.39
g-w10-pro3-R-cpu-desktop-gpu-23nov21
SE +/- 0.08, N = 2
MIN: 19 / MAX: 31
23.02
6
12
18
24
30


Xonotic 0.8.2
Resolution: 1904 x 968 - Effects Quality: Ultimate
Frames Per Second, More Is Better
gnsft-win10-prov-cpu-desktop-gpu-5jn2021
SE +/- 0.02, N = 2
MIN: 2 / MAX: 15
3.02
g-w10-pr0-3vm1-cpu-desktop-gpu-23nov21
SE +/- 0.02, N = 2
MIN: 12 / MAX: 30
22.53
g-w10-pro3-R-cpu-desktop-gpu-23nov21
SE +/- 0.05, N = 2
MIN: 13 / MAX: 28
22.14
5
10
15
20
25
NAMD 2.13b1
ATPase Simulation - 327,506 Atoms
days/ns, Fewer Is Better
gnsft-win10-prov-cpu-desktop-gpu-5jn2021
SE +/- 0.05191, N = 2
4.88397
g-w10-pr0-3vm1-cpu-desktop-gpu-23nov21
SE +/- 0.00845, N = 2
2.61956
g-w10-pro3-R-cpu-desktop-gpu-23nov21
SE +/- 0.02477, N = 2
1.72257
1.0989
2.1978
3.2967
4.3956
5.4945
x264 2018-09-25
H.264 Video Encoding
Frames Per Second, More Is Better
gnsft-win10-prov-cpu-desktop-gpu-5jn2021
SE +/- 2.32, N = 2
25.97
g-w10-pr0-3vm1-cpu-desktop-gpu-23nov21
SE +/- 0.63, N = 2
52.62
g-w10-pro3-R-cpu-desktop-gpu-23nov21
SE +/- 0.11, N = 2
94.21
20
40
60
80
100

gnsft-win10-prov-cpu-desktop-gpu-5jn2021

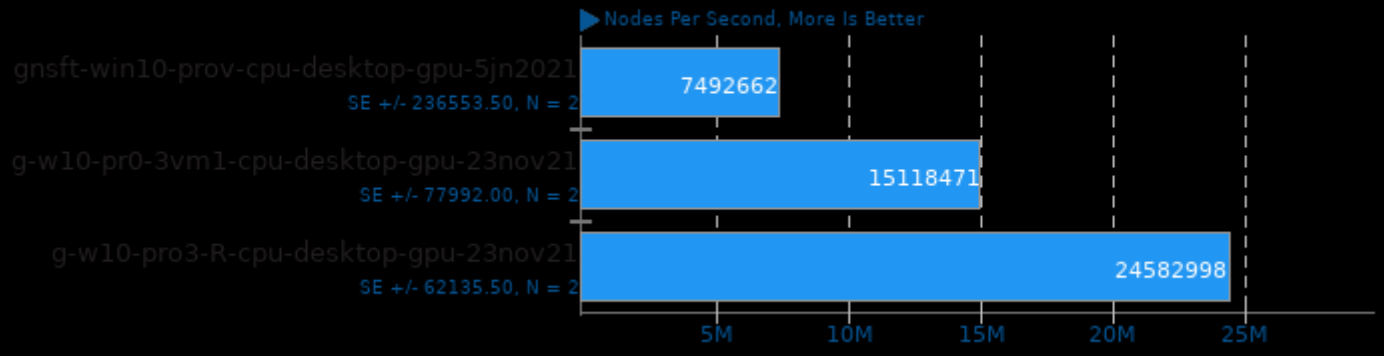
7-Zip Compression 16.02

Compress Speed Test



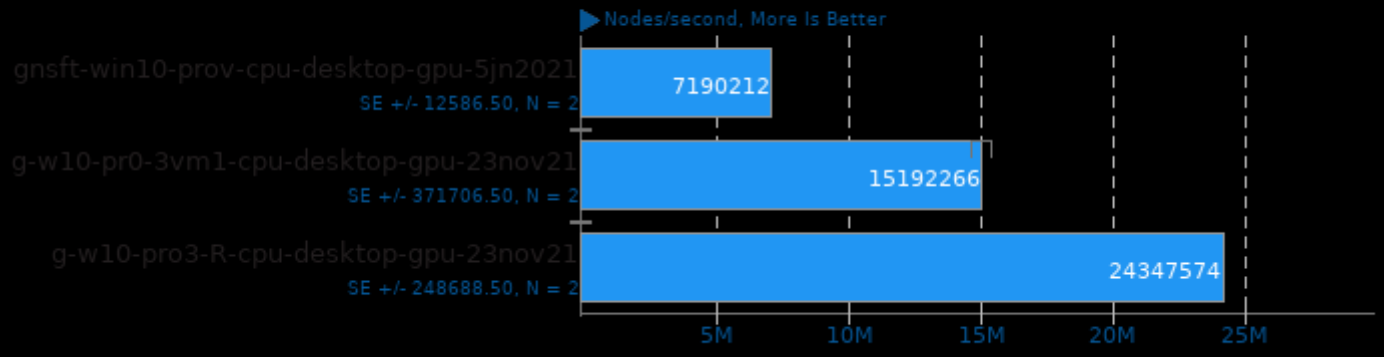
Stockfish 9

Total Time

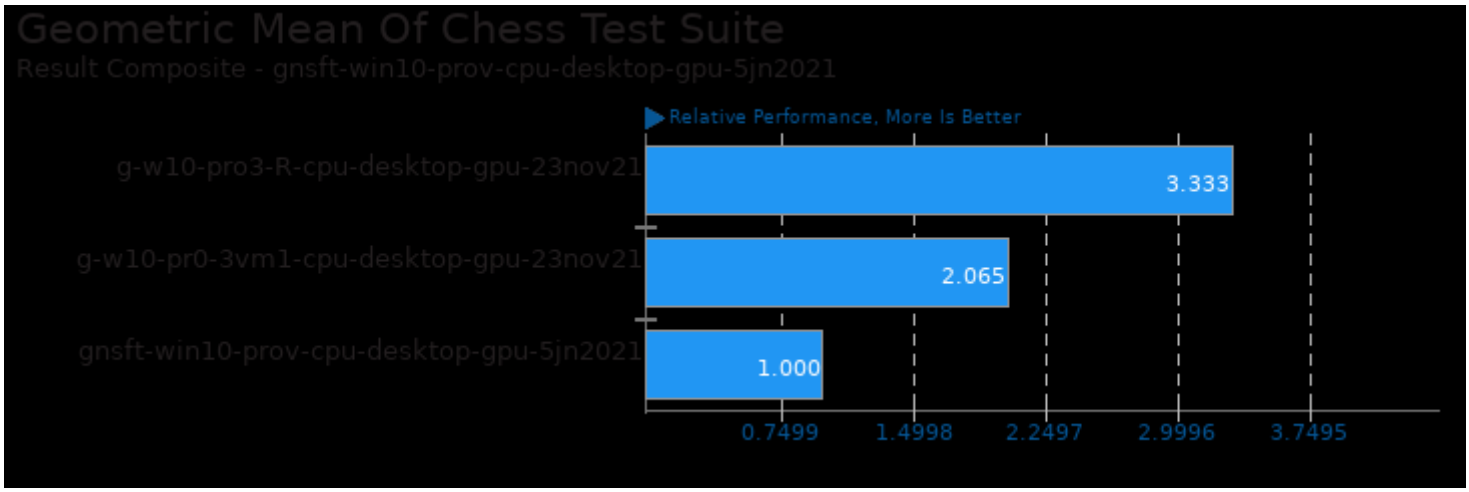


asmFish 2018-07-23

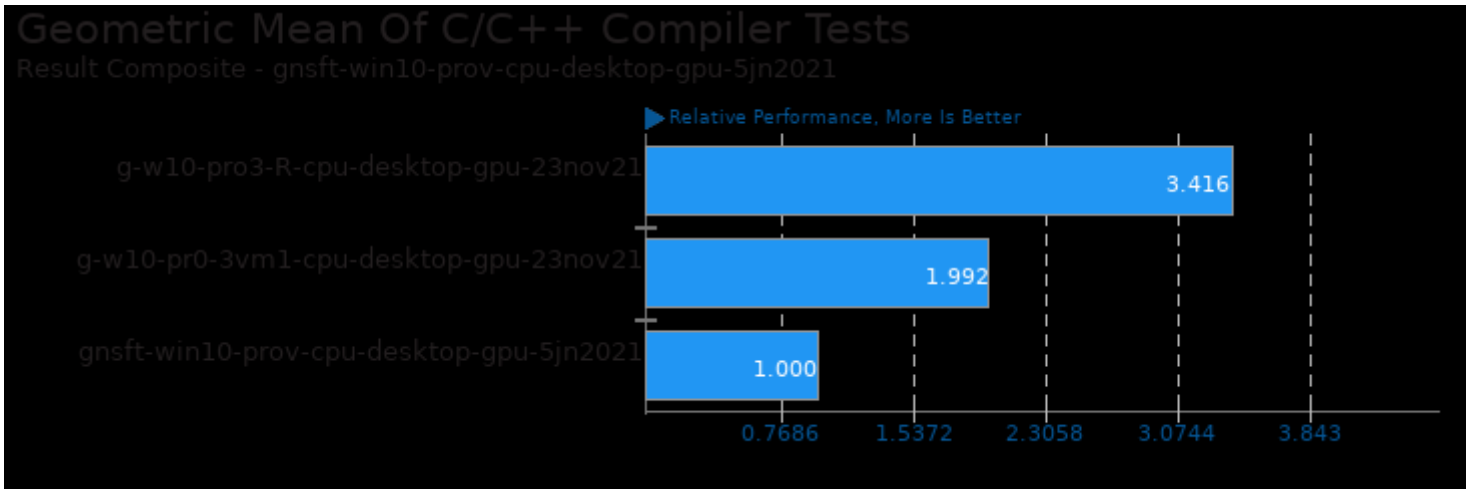
1024 Hash Memory, 26 Depth



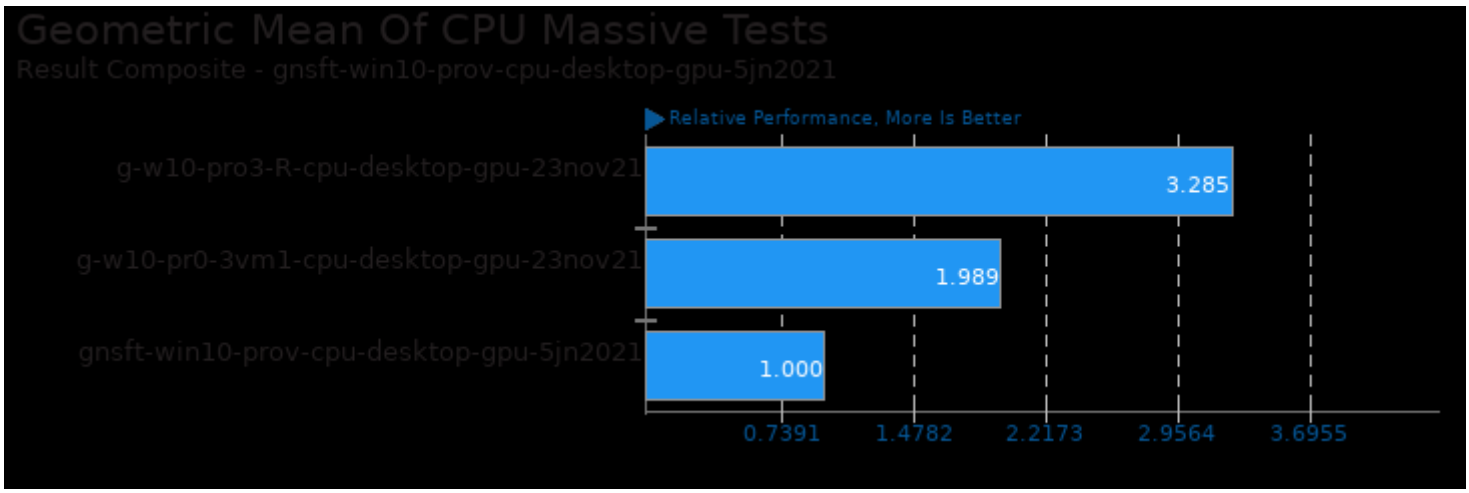
These geometric means are based upon test groupings / test suites for this result file.



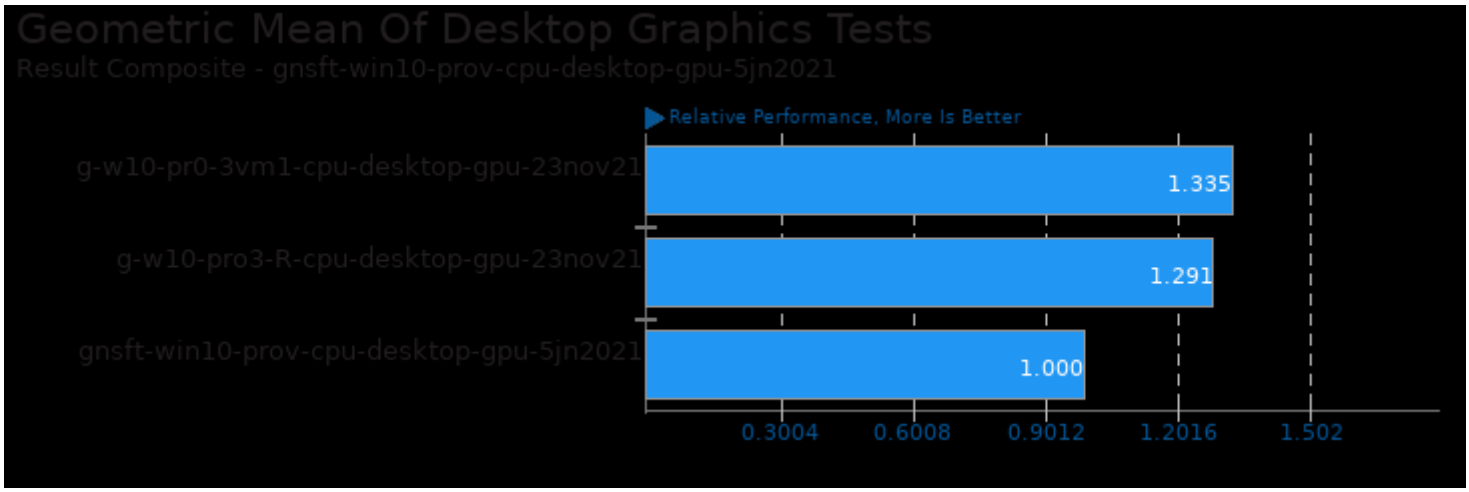
Geometric mean based upon tests: pts/stockfish and pts/asmfish



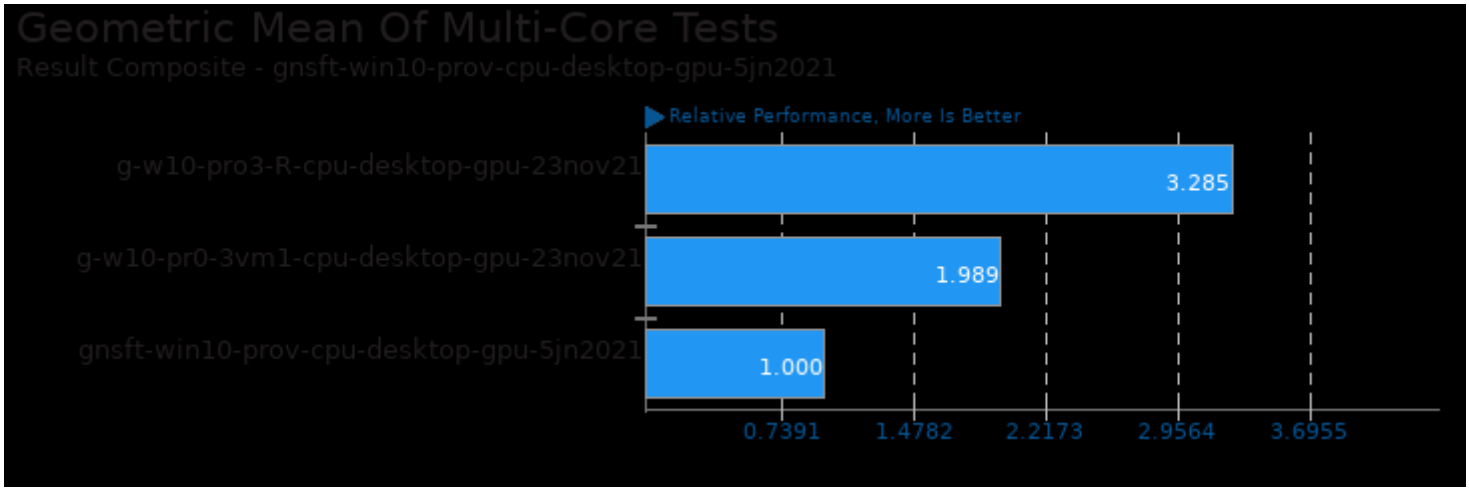
Geometric mean based upon tests: pts/stockfish, pts/compress-7zip and pts/x264



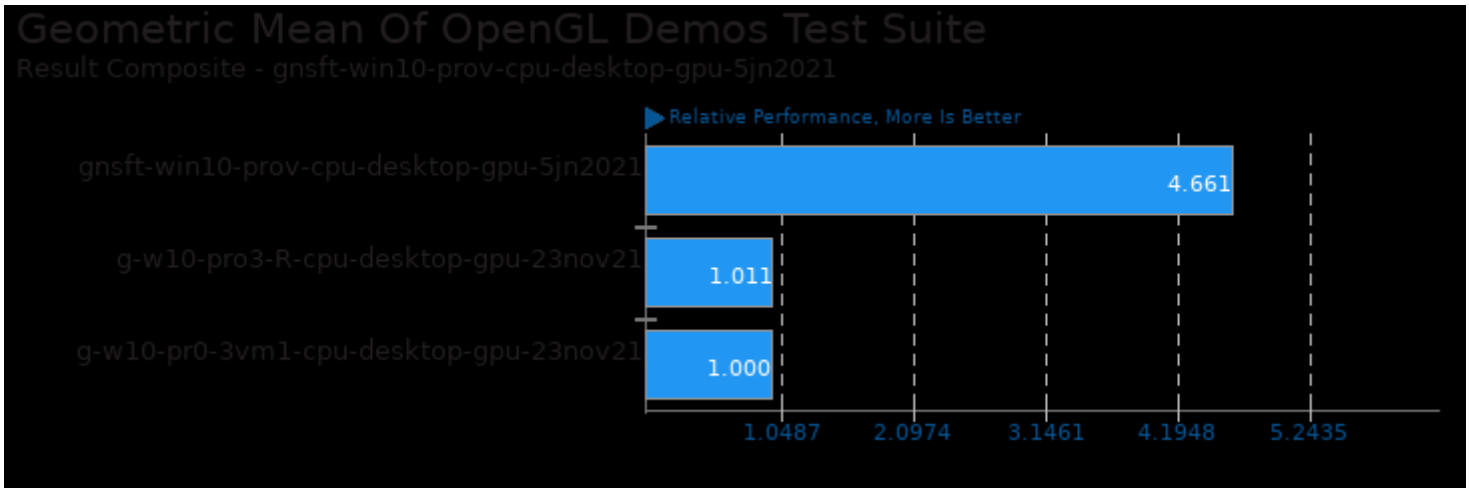
Geometric mean based upon tests: pts/asmfish, pts/compress-7zip, pts/x264, pts/namd and pts/stockfish



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

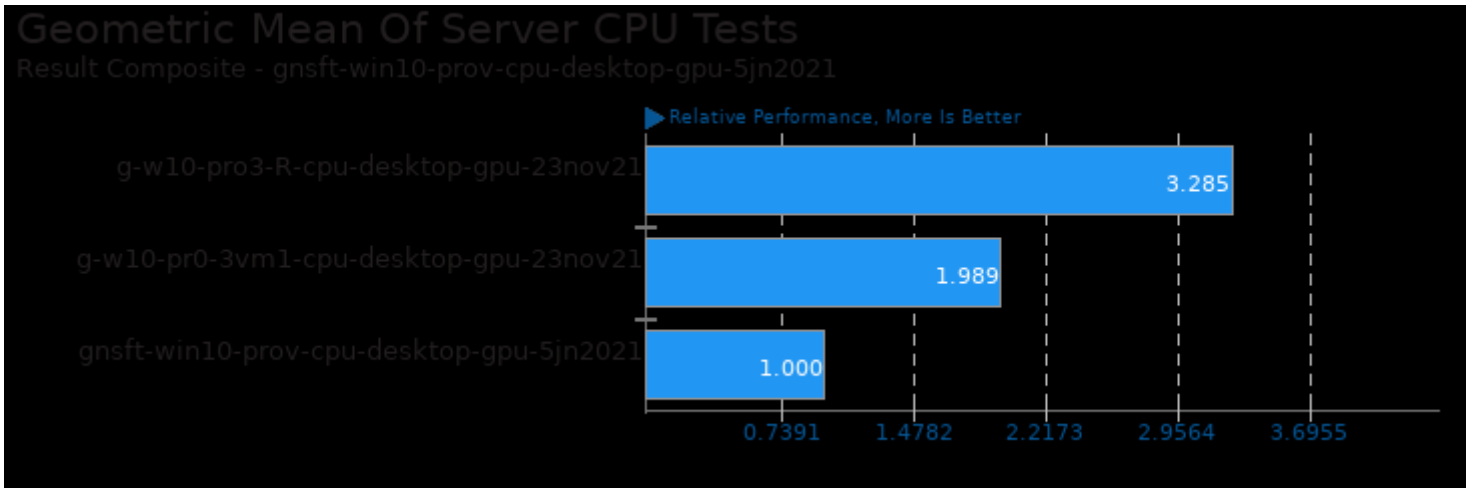


Geometric mean based upon tests: pts/stockfish, pts/x264, pts/namd, pts/asmfish and pts/compress-7zip

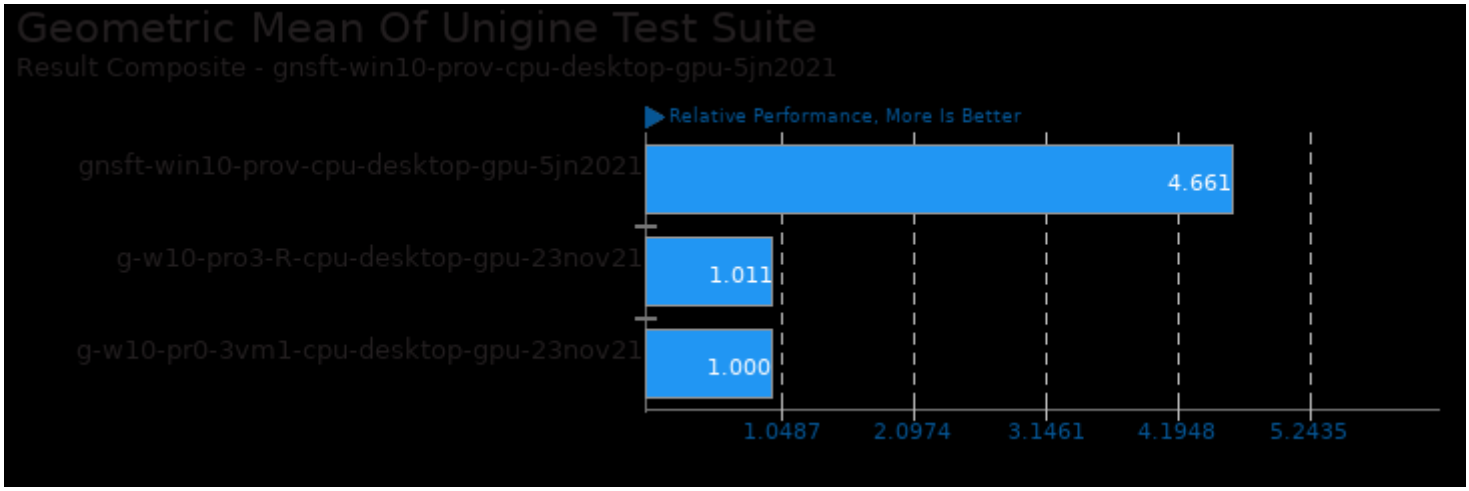


Geometric mean based upon tests: pts/unigine-valley and pts/unigine-heaven

gnsft-win10-prov-cpu-desktop-gpu-5jn2021



Geometric mean based upon tests: pts/namd, pts/x264, pts/compress-7zip, pts/stockfish and pts/asmfish



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 Thursday, 28 March 2024 17:14.