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gnsft-win10-prov-renderers-cpu-7jan2021

VMware testing on Microsoft Windows 10 Pro Build 18362 via the Phoronix Test Suite.

Test Systems:

gnsft-win10-prov-renderers-cpu-7jan2021

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: 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: 1920x1080, System Layer: VMware

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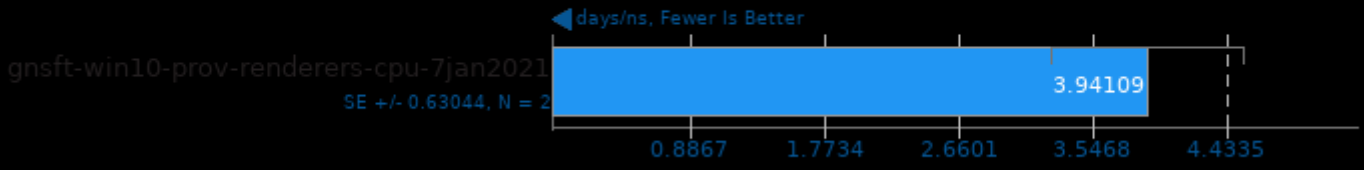
	gnsft-win10-prov-renderers-cpu-7jan2021
NAMD - ATPase Simulation - 327,506 Atoms (days/ns)	3.94109
Standard Deviation	22.6%
OSPray - San Miguel - SciVis (FPS)	5.40
Standard Deviation	4.2%
OSPray - XFrog Forest - SciVis (FPS)	0.73
Standard Deviation	3.2%
OSPray - San Miguel - Path Tracer (FPS)	0.31
Standard Deviation	12%
OSPray - NASA Streamlines - SciVis (FPS)	6.89
Standard Deviation	50.5%
OSPray - XFrog Forest - Path Tracer (FPS)	0.43
Standard Deviation	2.2%
OSPray - M.R - SciVis (FPS)	2.97
Standard Deviation	22.5%
OSPray - NASA Streamlines - Path Tracer (FPS)	1.50
Standard Deviation	1.3%
OSPray - M.R - Path Tracer (FPS)	74.18
Standard Deviation	5.2%
x264 - H.2.V.E (FPS)	34.71
Standard Deviation	31%
LuxCoreRender - DLSC (M samples/sec)	0.66
Standard Deviation	7.9%
LuxCoreRender - R.C.a.P (M samples/sec)	0.71
Standard Deviation	11.8%
7-Zip Compression - C.S.T (MIPS)	19316
Standard Deviation	9.5%
Stockfish - Total Time (Nodes/s)	11306669
Standard Deviation	6.5%
asmFish - 1.H.M.2.D (Nodes/s)	10577245
Standard Deviation	6.3%
C-Ray - Total Time - 4.1.R.P.P (sec)	135
Standard Deviation	11.3%
Smallpt - G.I.R.1.S (sec)	29.68
Standard Deviation	8.6%
AOBench - 2048 x 2048 - Total Time (sec)	67.29
Standard Deviation	17.3%
Chaos Group V-RAY - CPU (Ksamples)	5951
Standard Deviation	0.9%
Blender - BMW27 - CUDA (sec)	808.68
Standard Deviation	7.9%
Blender - BMW27 - OpenCL (sec)	695.85
Standard Deviation	20.4%
Blender - BMW27 - CPU-Only (sec)	443.45
Standard Deviation	6.1%
Blender - Classroom - CUDA (sec)	1463
Standard Deviation	7.6%
Blender - Fishy Cat - CUDA (sec)	1349
Standard Deviation	5.4%
Blender - Barbershop - CUDA (sec)	2459
Standard Deviation	39.2%
Blender - Classroom - OpenCL (sec)	1441

Standard Deviation	8.9%
Blender - Fishy Cat - OpenCL (sec)	1690
Standard Deviation	7.2%
Blender - Barbershop - OpenCL (sec)	2261
Standard Deviation	11.7%
Blender - BMW27 - NVIDIA OptiX (sec)	629.86
Standard Deviation	4%
Blender - Classroom - CPU-Only (sec)	1222
Standard Deviation	1%
Blender - Fishy Cat - CPU-Only (sec)	705.06
Standard Deviation	20.5%
Blender - Barbershop - CPU-Only (sec)	2763
Standard Deviation	16.7%
Blender - Classroom - NVIDIA OptiX (sec)	1184
Standard Deviation	11.8%
Blender - Fishy Cat - NVIDIA OptiX (sec)	1054
Standard Deviation	11.2%
Blender - Barbershop - NVIDIA OptiX (sec)	1477
Standard Deviation	2.3%
Blender - Pabellon Barcelona - CUDA (sec)	1608
Standard Deviation	1.4%
Blender - Pabellon Barcelona - OpenCL (sec)	1620
Standard Deviation	0.2%
Blender - Pabellon Barcelona - CPU-Only (sec)	948.08
Standard Deviation	0%
Blender - Pabellon Barcelona - NVIDIA OptiX (sec)	1598
Standard Deviation	0.3%
Appleseed - Emily (sec)	651.64
Appleseed - Disney Material (sec)	307.70
Appleseed - Material Tester (sec)	323.38

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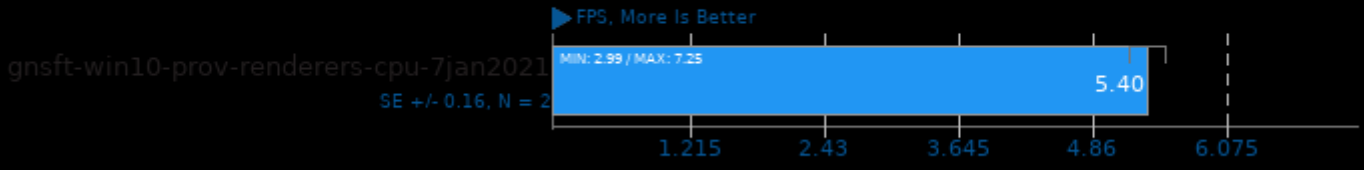
NAMD 2.13b1

ATPase Simulation - 327,506 Atoms



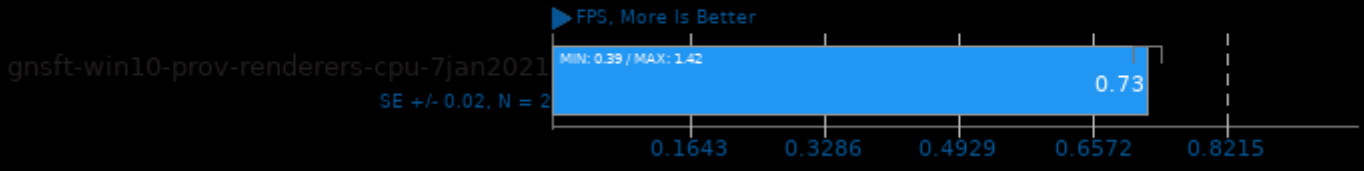
OSPray 1.8.5

Demo: San Miguel - Renderer: SciVis



OSPray 1.8.5

Demo: XFrog Forest - Renderer: SciVis



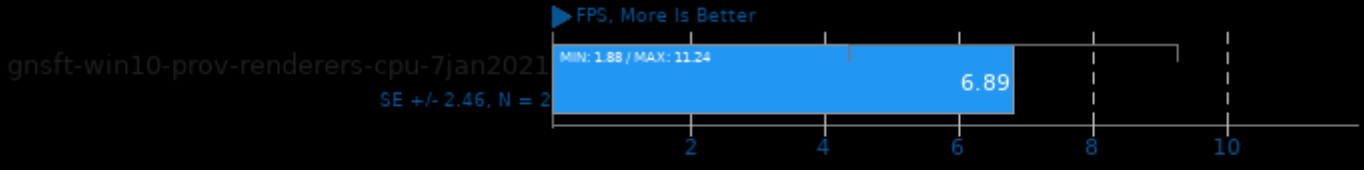
OSPray 1.8.5

Demo: San Miguel - Renderer: Path Tracer



OSPray 1.8.5

Demo: NASA Streamlines - Renderer: SciVis



OSPray 1.8.5

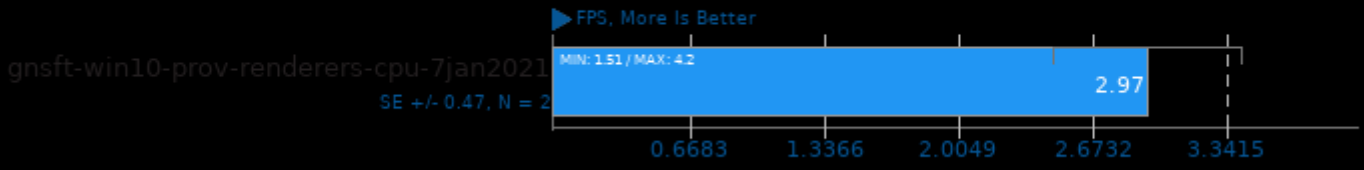
Demo: XFrog Forest - Renderer: Path Tracer



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OSPray 1.8.5

Demo: Magnetic Reconnection - Renderer: SciVis



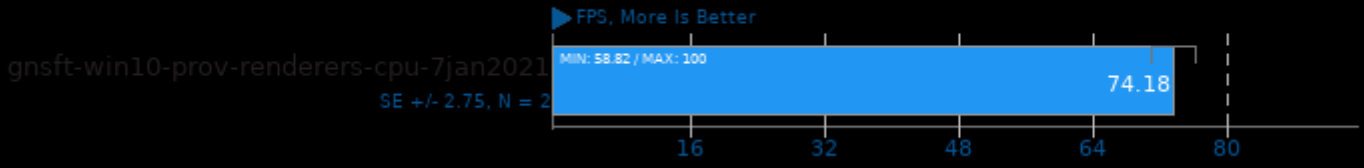
OSPray 1.8.5

Demo: NASA Streamlines - Renderer: Path Tracer



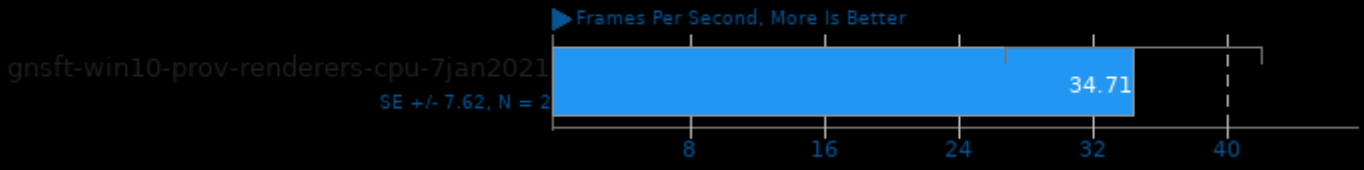
OSPray 1.8.5

Demo: Magnetic Reconnection - Renderer: Path Tracer



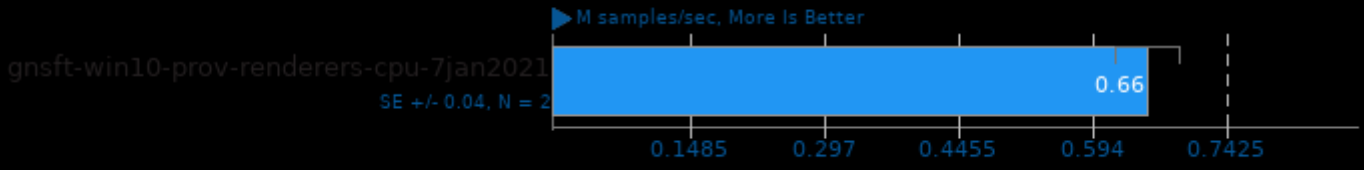
x264 2018-09-25

H.264 Video Encoding



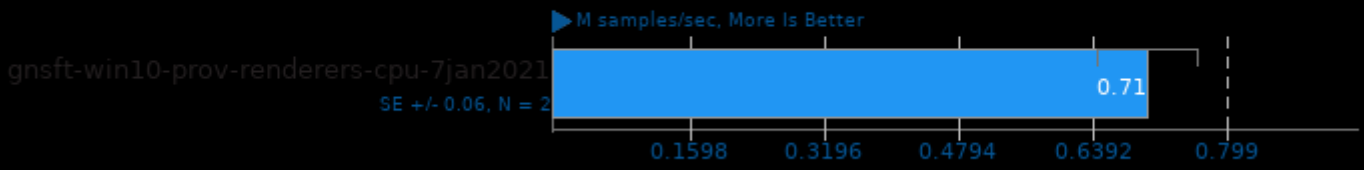
LuxCoreRender 2.3

Scene: DLSC



LuxCoreRender 2.3

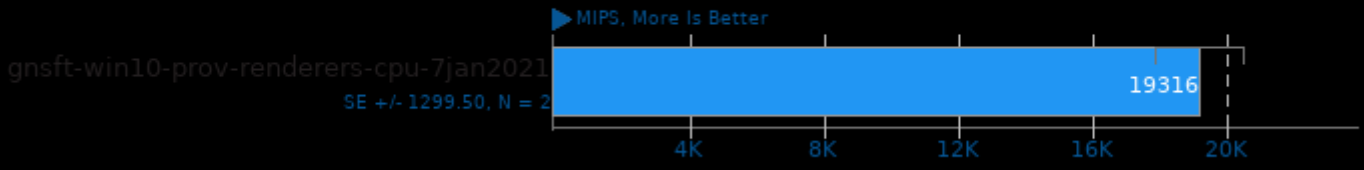
Scene: Rainbow Colors and Prism



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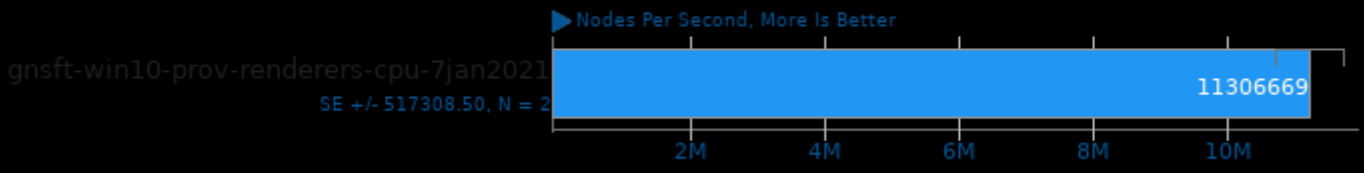
7-Zip Compression 16.02

Compress Speed Test



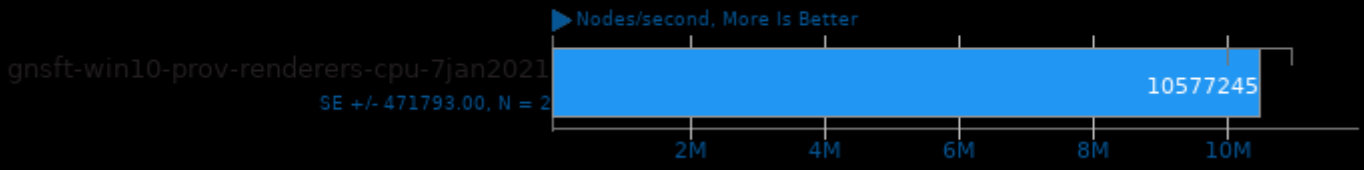
Stockfish 9

Total Time



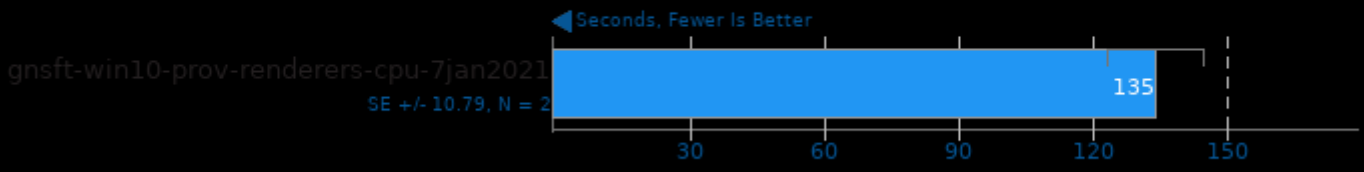
asmFish 2018-07-23

1024 Hash Memory, 26 Depth



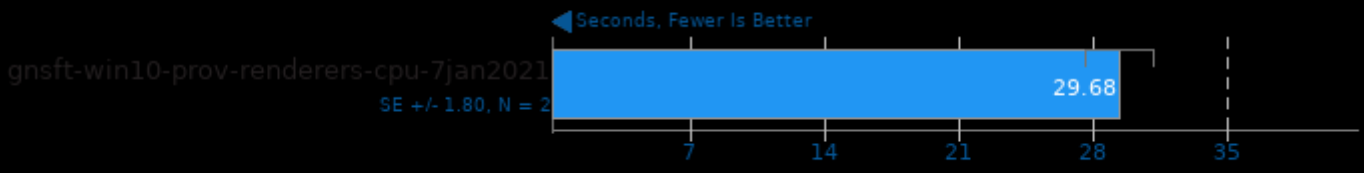
C-Ray 1.1

Total Time - 4K, 16 Rays Per Pixel



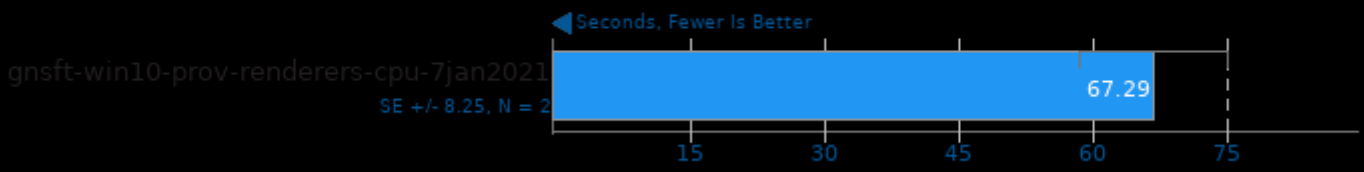
Smallpt 1.0

Global Illumination Renderer; 128 Samples



AOBench

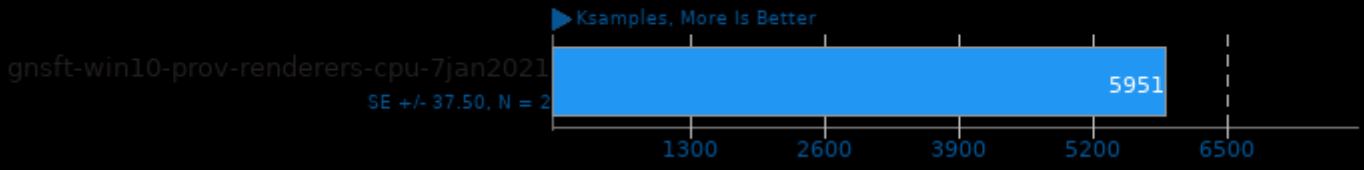
Size: 2048 x 2048 - Total Time



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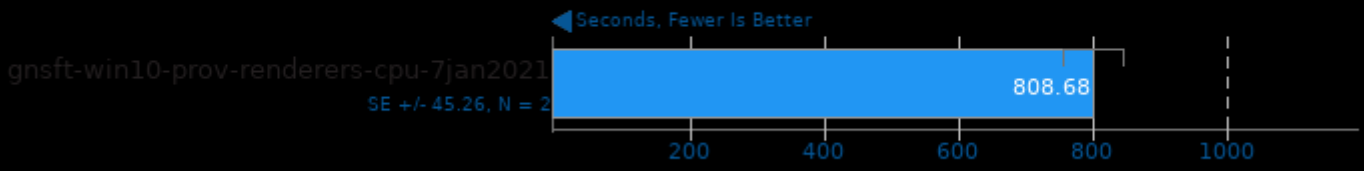
Chaos Group V-RAY 4.10.07

Mode: CPU



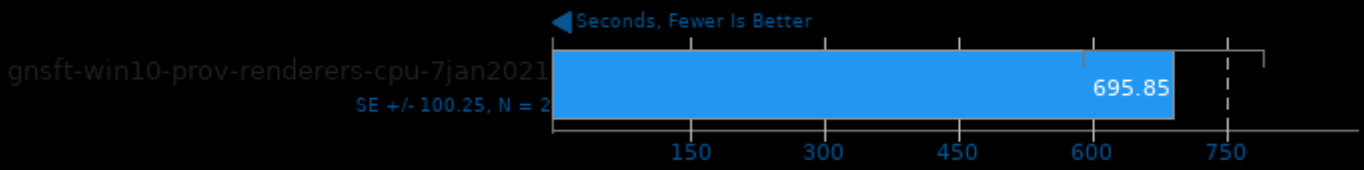
Blender 2.90

Blend File: BMW27 - Compute: CUDA



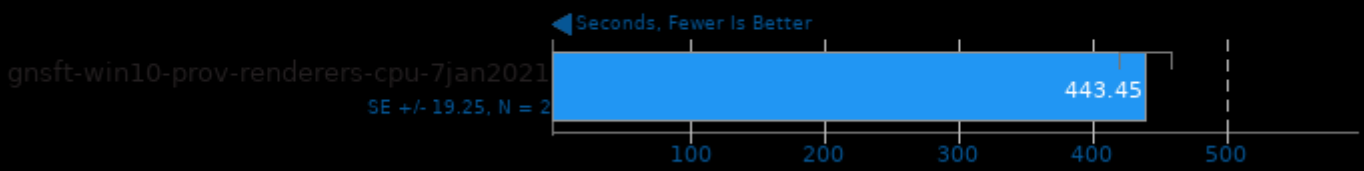
Blender 2.90

Blend File: BMW27 - Compute: OpenCL



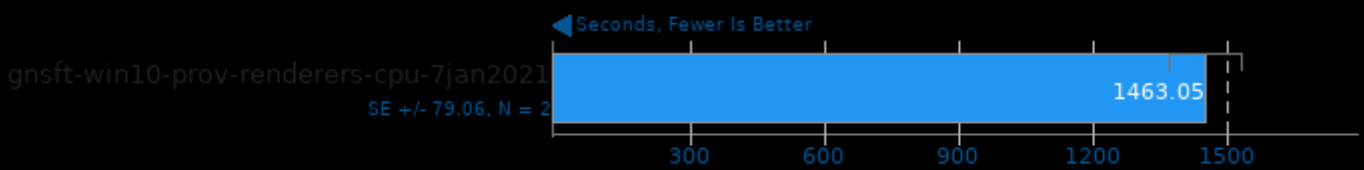
Blender 2.90

Blend File: BMW27 - Compute: CPU-Only



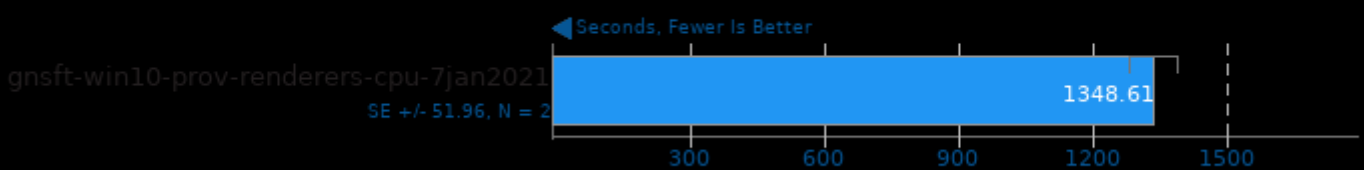
Blender 2.90

Blend File: Classroom - Compute: CUDA

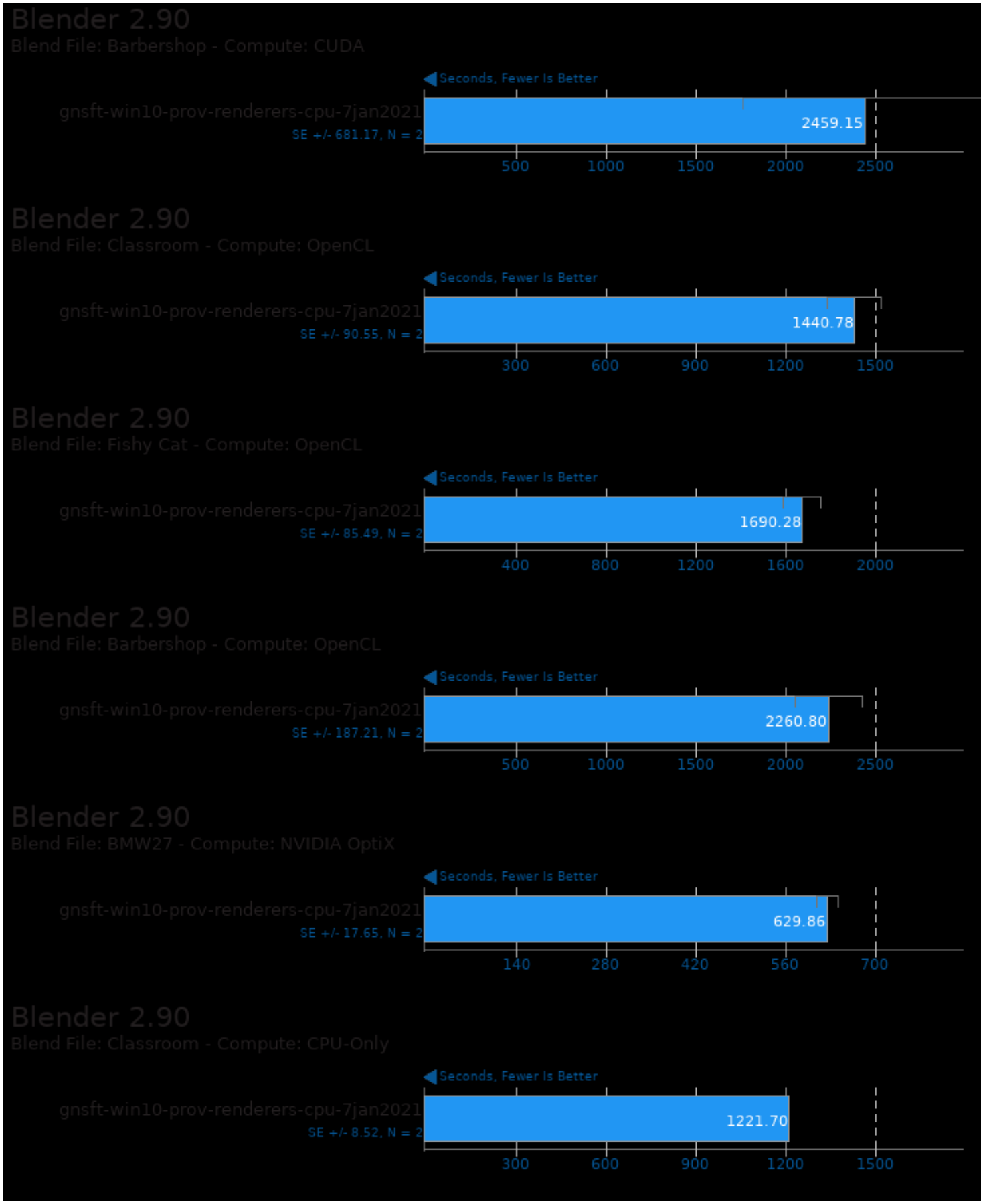


Blender 2.90

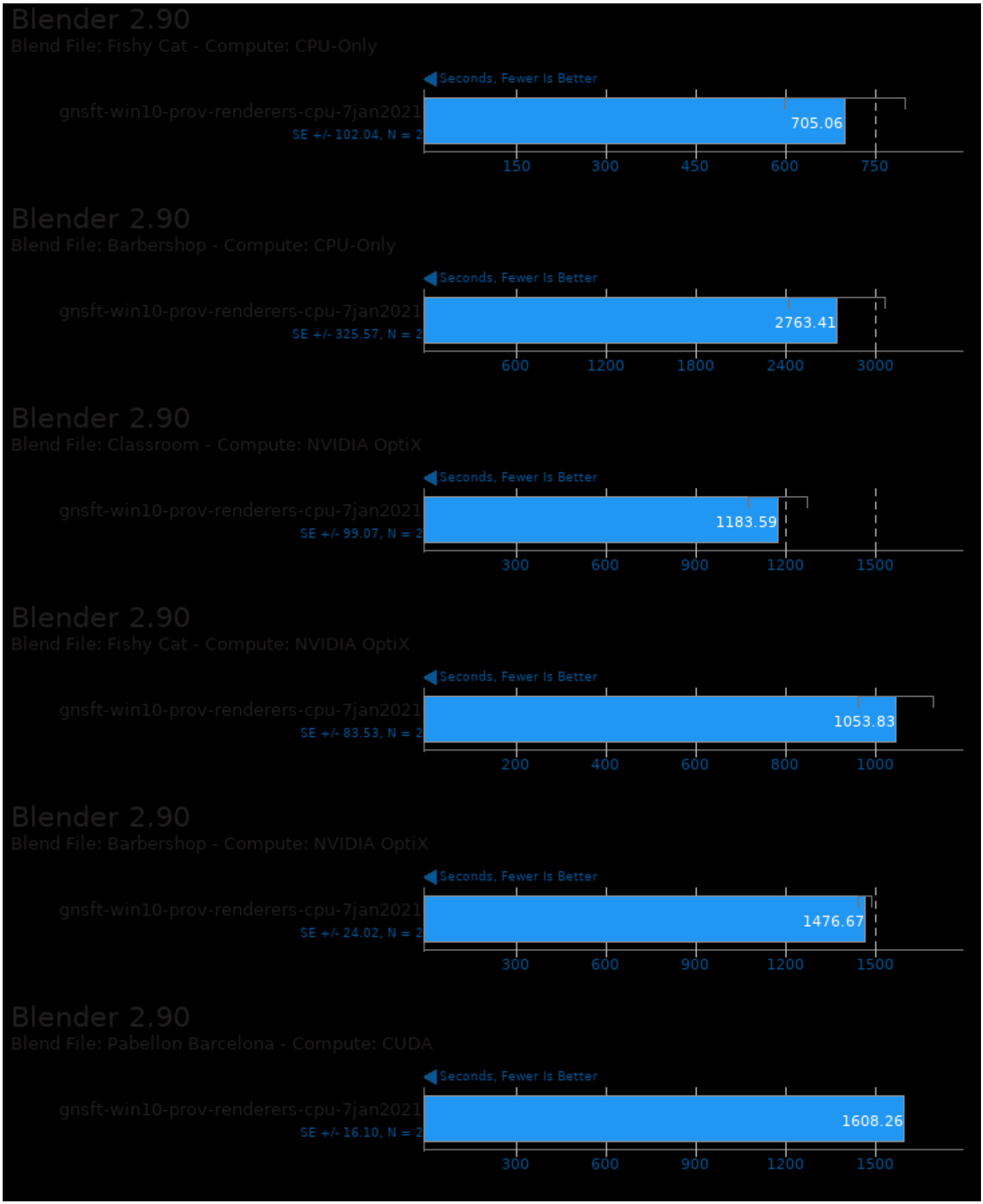
Blend File: Fishy Cat - Compute: CUDA



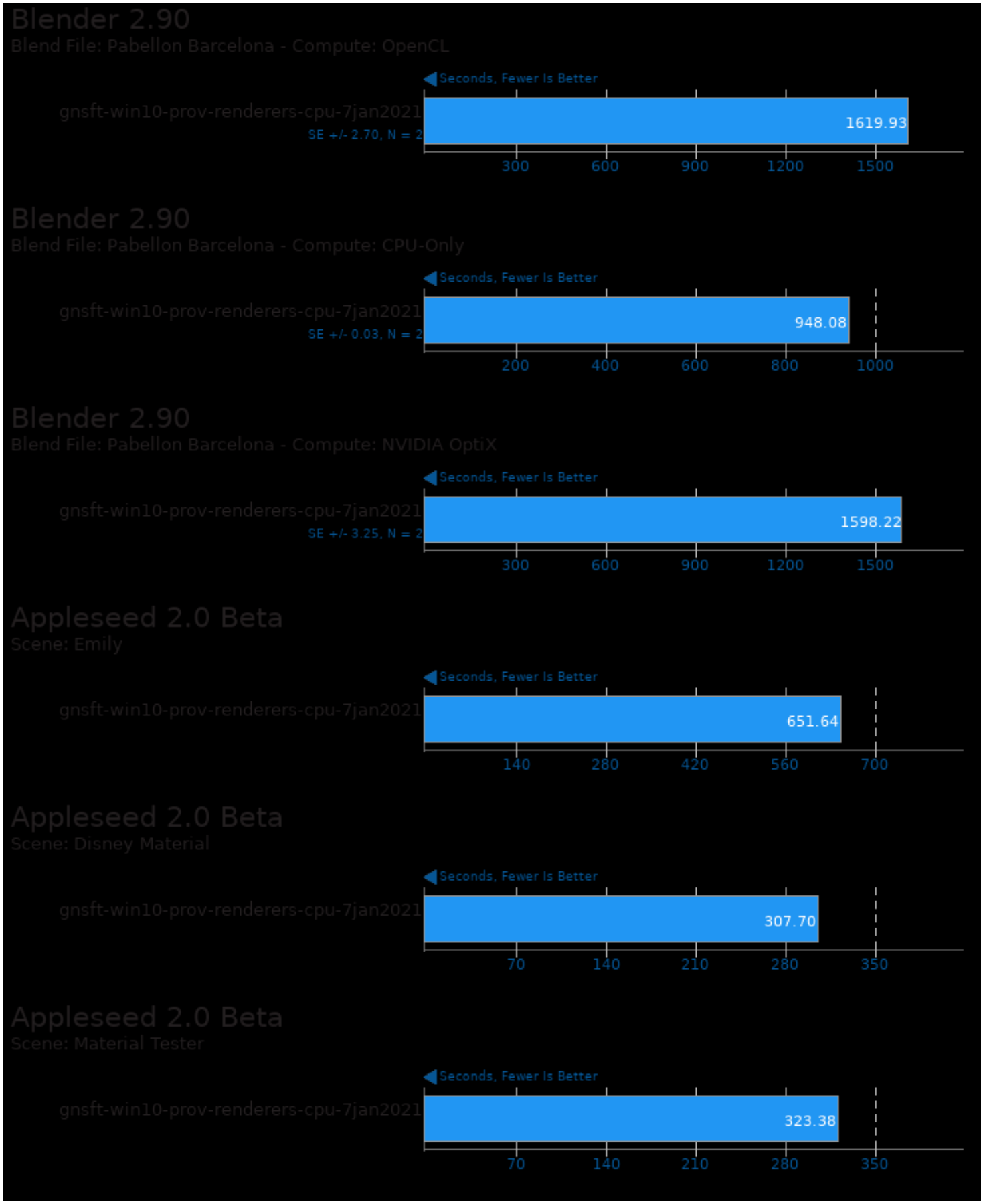
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This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024

16:23.