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imaxion

all tests with the last 2 days where with pci-e sli

Automated Executive Summary

single-1024-5to4 had the most wins, coming in first place for 28% of the tests.

Based on the geometric mean of all complete results, the fastest (dual-asymetric) was 6.147x the speed of the slowest (mythtv).

Test Systems:

imaxion before reboot

Processor: Intel Core i5-2400 @ 3.40GHz (4 Cores), Motherboard: Apple Mac-942B59F58194171B, Chipset: Intel 2nd Generation Core Family DRAM, Memory: 8192MB, Disk: 1000GB Western Digital WD1001FALS-4, Graphics: AMD BARTS (DRM 2.50.0 / 5.0.0-29-generic LLVM 8.0.0) 1024MB, Audio: Cirrus Logic CS4206, Monitor: iMac + PLB2403WS, Network: Broadcom and subsidiaries NetXtreme BCM57765 Gigabit PCIe + Qualcomm Atheros AR93xx

Wireless

OS: Ubuntu 18.04, Kernel: 5.0.0-29-generic (x86_64), Desktop: MATE 1.20.1, Display Driver: radeon 19.0.1, OpenGL: 3.3 Mesa 19.0.8, File-System: ext4, Screen Resolution: 4480x1440

Processor Notes: Scaling Governor: intel_pstate powersave
Graphics Notes: GLAMOR

after reboot perf+

Processor: Intel Core i5-2400 @ 3.40GHz (4 Cores), Motherboard: Apple Mac-942B59F58194171B, Chipset: Intel 2nd Generation Core Family DRAM, Memory: 8192MB, Disk: 1000GB Western Digital WD1001FALS-4, Graphics: AMD BARTS (DRM 2.50.0 / 5.0.0-29-generic LLVM 8.0.0) 1024MB, Audio: Cirrus Logic CS4206, Monitor: iMac, Network: Broadcom and subsidiaries NetXtreme BCM57765 Gigabit PCIe + Qualcomm Atheros AR93xx Wireless

OS: Ubuntu 18.04, Kernel: 5.0.0-29-generic (x86_64), Desktop: MATE 1.20.1, Display Driver: radeon 19.0.1, OpenGL: 3.3 Mesa 19.0.8, File-System: ext4, Screen Resolution: 2560x1440

Processor Notes: Scaling Governor: intel_pstate performance
Graphics Notes: GLAMOR

after reboot perf+ ds

Processor: Intel Core i5-2400 @ 3.40GHz (4 Cores), Motherboard: Apple Mac-942B59F58194171B, Chipset: Intel 2nd Generation Core Family DRAM, Memory: 8192MB, Disk: 1000GB Western Digital WD1001FALS-4, Graphics: AMD BARTS (DRM 2.50.0 / 5.0.0-29-generic LLVM 8.0.0) 1024MB, Audio: Cirrus Logic CS4206, Monitor: iMac, Network: Broadcom and subsidiaries NetXtreme BCM57765 Gigabit PCIe + Qualcomm Atheros AR93xx Wireless

OS: Ubuntu 18.04, Kernel: 5.0.0-29-generic (x86_64), Desktop: MATE 1.20.1, Display Driver: radeon 19.0.1, OpenGL: 3.3 Mesa 19.0.8, File-System: ext4, Screen Resolution: 4480x1440

Processor Notes: Scaling Governor: intel_pstate performance
Graphics Notes: GLAMOR

after multiple suspends

Processor: Intel Core i5-2400 @ 3.40GHz (4 Cores), Motherboard: Apple Mac-942B59F58194171B, Chipset: Intel 2nd Generation Core Family DRAM, Memory: 8192MB, Disk: 1000GB Western Digital WD1001FALS-4, Graphics: AMD BARTS (DRM 2.50.0 / 5.0.0-31-generic LLVM 8.0.0) 1024MB, Audio: Cirrus Logic CS4206, Monitor: iMac + PLB2403WS, Network: Broadcom and subsidiaries NetXtreme BCM57765 Gigabit PCIe + Qualcomm Atheros AR93xx Wireless

OS: Ubuntu 18.04, Kernel: 5.0.0-31-generic (x86_64), Desktop: MATE 1.20.1, Display Driver: radeon 19.0.1, OpenGL: 3.3 Mesa 19.0.8, File-System: ext4, Screen Resolution: 4480x1440

Processor Notes: Scaling Governor: intel_pstate powersave
Graphics Notes: GLAMOR

mythtv

Processor: Intel Xeon L5408 @ 2.13GHz (4 Cores), Motherboard: FOXCONN G41MX 2.0/G41MX-K 2.0 v1.0, Chipset: Intel 4 DRAM + ICH7, Memory: 4096MB, Disk: 500GB Western Digital WD5000AAKS-0 + 2 x 40GB OCZ REVODRIVE, Graphics: NVE7 1024MB, Audio: Realtek ALC888, Monitor: 273EQH, Network: Realtek RTL8111/8168/8411

OS: Ubuntu 16.04, Kernel: 4.4.0-169-generic (x86_64), Desktop: LXDE 0.8.2, Display Server: X Server 1.18.4, Display Driver: modesetting 1.18.4, OpenGL: 4.3 Mesa 18.0.5, Compiler: GCC 5.4.0 20160609, File-System: ext4, Screen Resolution: 1920x1080

Graphics Notes: EXA

mythtv-nvda

Processor: Intel Xeon L5408 @ 2.13GHz (4 Cores), Motherboard: FOXCONN G41MX 2.0/G41MX-K 2.0 v1.0, Chipset: Intel 4 DRAM + ICH7, Memory: 4096MB, Disk: 500GB Western Digital WD5000AAKS-0 + 2 x 40GB OCZ REVODRIVE, Graphics: ASUS NVIDIA GeForce GTX 650 1024MB (1058/2500MHz), Audio: Realtek ALC888, Network: Realtek RTL8111/8168/8411

OS: Ubuntu 16.04, Kernel: 4.4.0-169-generic (x86_64), Desktop: LXDE 0.8.2, Display Driver: NVIDIA 384.130, OpenGL: 4.5.0, Compiler: GCC 5.4.0 20160609, File-System: ext4, Screen Resolution: 1920x1080

Graphics Notes: SNA

mythtv-nvda-inside

dual

Processor: Intel Xeon L5408 @ 2.13GHz (4 Cores), Motherboard: FOXCONN G41MX 2.0/G41MX-K 2.0 v1.0, Chipset: Intel 4 DRAM + ICH7, Memory: 4096MB, Disk: 500GB Western Digital WD5000AAKS-0, Graphics: ASUS NVIDIA GeForce GTX 650 1024MB (1058/2500MHz), Audio: Realtek ALC888, Network: Realtek RTL8111/8168/8411

OS: Ubuntu 16.04, Kernel: 4.4.0-169-generic (x86_64), Desktop: LXDE 0.8.2, Display Driver: NVIDIA 384.130, OpenGL: 4.5.0, Compiler: GCC 5.4.0 20160609, File-System: ext4, Screen Resolution: 1920x1080

ver

Processor: Intel Xeon L5408 @ 2.13GHz (4 Cores), Motherboard: FOXCONN G41MX 2.0/G41MX-K 2.0 v1.0, Chipset: Intel 4 DRAM + ICH7, Memory: 4096MB, Disk: 500GB Western Digital WD5000AAKS-0, Graphics: ASUS NVIDIA GeForce GTX 650 1024MB (1058/2500MHz), Audio: Realtek ALC888, Network: Realtek RTL8111/8168/8411

OS: Ubuntu 16.04, Kernel: 4.4.0-170-generic (x86_64), Desktop: LXDE 0.8.2, Display Driver: NVIDIA 384.130, OpenGL: 4.5.0, Compiler: GCC 5.4.0 20160609, File-System: ext4, Screen Resolution: 1920x1080

quad-display

Quad-display-1440p

Processor: Intel Xeon L5408 @ 2.13GHz (4 Cores), Motherboard: FOXCONN G41MX 2.0/G41MX-K 2.0 v1.0, Chipset: Intel 4 DRAM + ICH7, Memory: 4096MB, Disk: 500GB Western Digital WD5000AAKS-0, Graphics: ASUS NVIDIA GeForce GTX 650 1024MB (1058/2500MHz), Audio: Realtek ALC888, Network: Realtek RTL8111/8168/8411

OS: Ubuntu 16.04, Kernel: 4.4.0-170-generic (x86_64), Desktop: LXDE 0.8.2, Display Driver: NVIDIA 384.130, OpenGL: 4.5.0, Compiler: GCC 5.4.0 20160609, File-System: ext4, Screen Resolution: 7040x1440

single-1440p

Processor: Intel Xeon L5408 @ 2.13GHz (4 Cores), Motherboard: FOXCONN G41MX 2.0/G41MX-K 2.0 v1.0, Chipset: Intel 4 DRAM + ICH7, Memory: 4096MB, Disk: 500GB Western Digital WD5000AAKS-0, Graphics: ASUS NVIDIA GeForce GTX 650 1024MB (1058/2500MHz), Audio: Realtek ALC888, Network: Realtek RTL8111/8168/8411

OS: Ubuntu 16.04, Kernel: 4.4.0-170-generic (x86_64), Desktop: LXDE 0.8.2, Display Driver: NVIDIA 384.130, OpenGL: 4.5.0, Compiler: GCC 5.4.0 20160609, File-System: ext4, Screen Resolution: 2560x1440

single-1080p

Processor: Intel Xeon L5408 @ 2.13GHz (4 Cores), Motherboard: FOXCONN G41MX 2.0/G41MX-K 2.0 v1.0, Chipset: Intel 4 DRAM + ICH7, Memory: 4096MB, Disk: 500GB Western Digital WD5000AAKS-0, Graphics: ASUS NVIDIA GeForce GTX 650 1024MB (1058/2500MHz), Audio: Realtek ALC888, Network: Realtek RTL8111/8168/8411

OS: Ubuntu 16.04, Kernel: 4.4.0-170-generic (x86_64), Desktop: LXDE 0.8.2, Display Driver: NVIDIA 384.130, OpenGL: 4.5.0, Compiler: GCC 5.4.0 20160609, File-System: ext4, Screen Resolution: 1920x1080

single-1024-5to4

Processor: Intel Xeon L5408 @ 2.13GHz (4 Cores), Motherboard: FOXCONN G41MX 2.0/G41MX-K 2.0 v1.0, Chipset: Intel 4 DRAM + ICH7, Memory: 4096MB, Disk: 500GB Western Digital WD5000AAKS-0, Graphics: ASUS NVIDIA GeForce GTX 650 1024MB (1058/2500MHz), Audio: Realtek ALC888, Network: Realtek RTL8111/8168/8411

OS: Ubuntu 16.04, Kernel: 4.4.0-170-generic (x86_64), Desktop: LXDE 0.8.2, Display Driver: NVIDIA 384.130, OpenGL: 4.5.0, Compiler: GCC 5.4.0 20160609, File-System: ext4, Screen Resolution: 1280x1024

dual-1024-5to4

dual-1024-5to4-nosli

Processor: Intel Xeon L5408 @ 2.13GHz (4 Cores), Motherboard: FOXCONN G41MX 2.0/G41MX-K 2.0 v1.0, Chipset: Intel 4 DRAM + ICH7, Memory: 4096MB, Disk: 500GB Western Digital WD5000AAKS-0, Graphics: ASUS NVIDIA GeForce GTX 650 1024MB (1058/2500MHz), Audio: Realtek ALC888, Network: Realtek RTL8111/8168/8411

OS: Ubuntu 16.04, Kernel: 4.4.0-170-generic (x86_64), Desktop: LXDE 0.8.2, Display Driver: NVIDIA 384.130, OpenGL: 4.5.0, Compiler: GCC 5.4.0 20160609, File-System: ext4, Screen Resolution: 2560x1024

dual-asymetric

Processor: Intel Xeon L5408 @ 2.13GHz (4 Cores), Motherboard: FOXCONN G41MX 2.0/G41MX-K 2.0 v1.0, Chipset: Intel 4 DRAM + ICH7, Memory: 4096MB, Disk: 500GB Western Digital WD5000AAKS-0, Graphics: ASUS NVIDIA GeForce GTX 650 1024MB (1058/2500MHz), Audio: Realtek ALC888, Network: Realtek RTL8111/8168/8411

OS: Ubuntu 16.04, Kernel: 4.4.0-170-generic (x86_64), Desktop: LXDE 0.8.2, Display Driver: NVIDIA 384.130, OpenGL: 4.5.0, Compiler: GCC 5.4.0 20160609, File-System: ext4, Screen Resolution: 2720x1024

R5-3500

Processor: AMD Ryzen 5 3500U @ 2.10GHz (4 Cores / 8 Threads), Motherboard: HP 8615 v46.30 (F.45 BIOS), Chipset: AMD Raven/Raven2, Memory: 6GB, Disk: 256GB SK hynix BC511 HFM256GDJTNI-82A0A, Graphics: AMD Picasso 2GB (1200/1200MHz), Audio: AMD Raven/Raven2/Fenghuang, Network: Realtek RTL8111/8168/8411 + Realtek RTL8821CE 802.11ac PCIe

OS: Ubuntu 20.04, Kernel: 5.8.0-43-generic (x86_64), Desktop: MATE 1.24.0, Display Server: X Server 1.20.9, OpenGL: 4.6 Mesa 20.2.6 (LLVM 11.0.0), Vulkan: 1.2.131, Compiler: GCC 9.3.0, File-System: ext4, Screen Resolution: 1920x1080

Kernel Notes: Transparent Huge Pages: madvise
Processor Notes: Scaling Governor: acpi-cpufreq ondemand (Boost: Enabled) - CPU Microcode: 0x8108102
Graphics Notes: GLAMOR
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: disabled RSB filling + srbds: Not affected + tsx_async_abort: Not affected

R5-3500-dual

Processor: AMD Ryzen 5 3500U @ 2.10GHz (4 Cores / 8 Threads), Motherboard: HP 8615 v46.30 (F.45 BIOS), Chipset: AMD Raven/Raven2, Memory: 6GB, Disk: 256GB SK hynix BC511 HFM256GDJTNI-82A0A, Graphics: AMD Picasso 2GB (1200/1200MHz), Audio: AMD Raven/Raven2/Fenghuang, Monitor: Q3279WG5B, Network: Realtek RTL8111/8168/8411 + Realtek RTL8821CE 802.11ac PCIe

OS: Ubuntu 20.04, Kernel: 5.8.0-51-generic (x86_64), Desktop: MATE 1.24.0, Display Server: X Server 1.20.9, OpenGL: 4.6 Mesa 20.2.6 (LLVM 11.0.0), Vulkan: 1.2.131, Compiler: GCC 9.3.0, File-System: ext4, Screen Resolution: 4480x1440

Kernel Notes: Transparent Huge Pages: madvise
Processor Notes: Scaling Governor: acpi-cpufreq ondemand (Boost: Enabled) - CPU Microcode: 0x8108102
Graphics Notes: GLAMOR
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: disabled RSB filling + srbds: Not affected + tsx_async_abort: Not affected

	imaxion before reboot	after reboot perf+	after reboot perf+ ds	after multiple suspends	myth htv	myth htv-nvda	myth htv-nvda-inside	dual ver	quad-display	Quad-display-1440p	single-1440p	single-1080p	single-1024-5to4	dual-1024-5to4	dual-1024-5to4-nosli	dual-asymmetric	R5-3500	R5-3500-dual
OpenArena - 2560 x 1440 (FPS)	86.73	86.50	93.93	87.90	**39.87**	89.53	88.90	183.03	183.20	72.13	73.00	74.33	181.07	180.40	**183.27**	182.43	182.60	114.5	55.0
Normalized	47.32%	47.2%	51.25%	47.96%	21.75%	48.85%	48.51%	99.87%	99.96%	39.36%	39.83%	40.56%	98.8%	98.43%	100%	99.54%	99.63%	62.48%	30.01%
Standard Deviation	2%	7.6%	0.1%	0.1%	0.1%	0.5%	0.1%	0.2%	0.5%	0.2%	0.2%	0.2%	0.6%	0.6%	0.2%	0.4%	0.4%	0.4%	0.1%

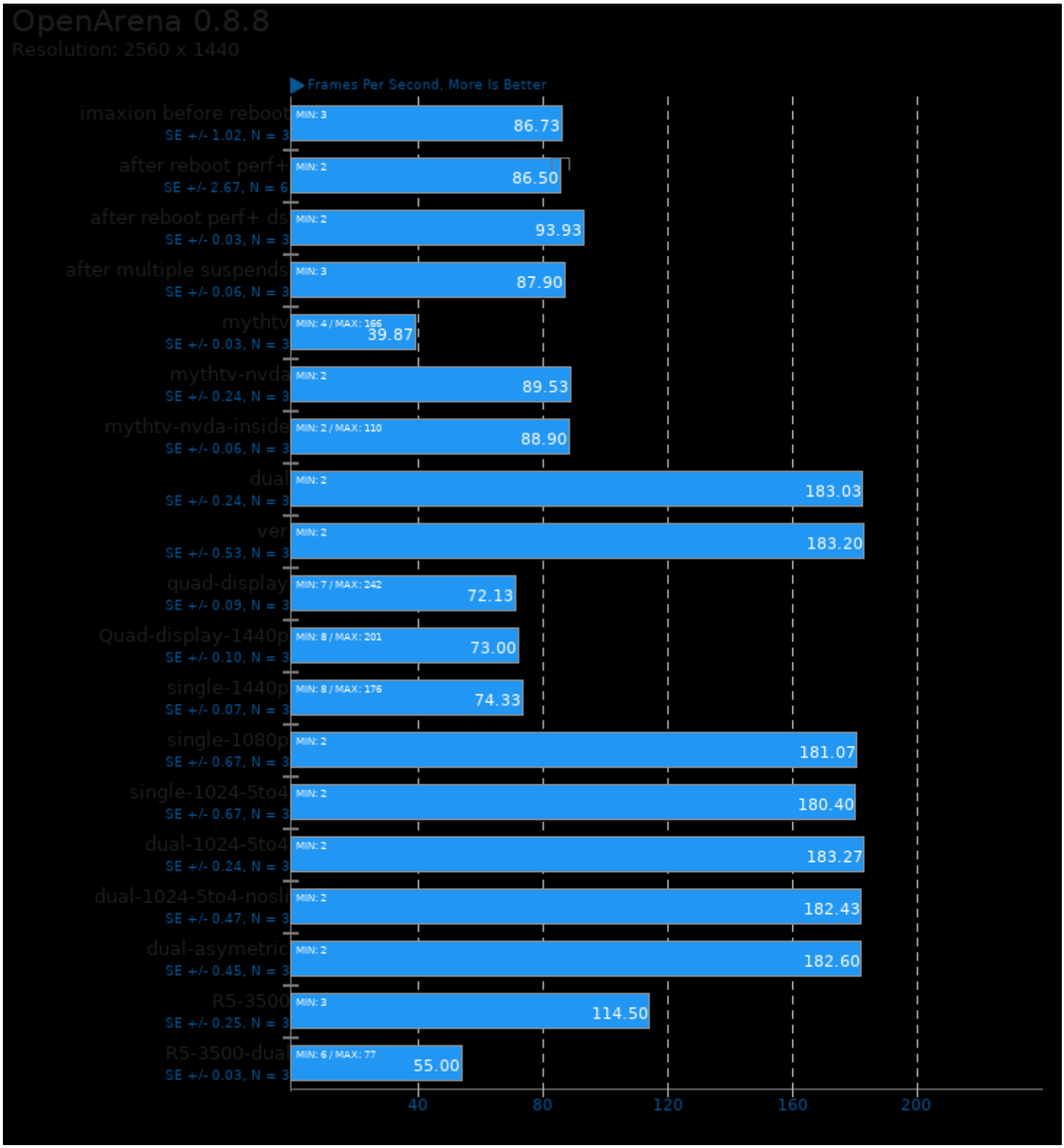
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Tesseract - 2560 x 1440 (FPS)	75.04	49.43	76.77	74.47	22.99	92.13	93.38	113.37	113.34	109.05	77.66	80.62	111.65	133.30	131.50	131.29	131.25	63.7914	69.3789
Normalized	56.29%	37.08%	57.59%	55.87%	17.25%	69.11%	70.05%	85.05%	85.03%	81.81%	58.26%	60.48%	83.76%	100%	98.65%	98.49%	98.46%	47.86%	52.05%
Standard Deviation	0.8%	0.5%	0.2%	1.2%	0.7%	0.7%	0.7%	0.5%	0.7%	2.2%	0.5%	0.1%	0.2%	1%	0.4%	0.5%	0.7%	1.4%	3.2%
Unigine Valley - 2560 x 1440 - Windowed - D3D11 (FPS)	10.25	6.23	10.27	10.27	1.75	10.60	10.55	11.47	11.51	12.16	11.16	11.19	11.49	11.66	11.38	11.38	11.39		
Normalized	84.29%	51.23%	84.46%	84.46%	14.39%	87.17%	86.76%	94.33%	94.65%	100%	91.78%	92.02%	94.49%	95.89%	93.59%	93.59%	93.67%		
Standard Deviation	0.1%	0.1%	0%	0.1%	0.1%	0.3%	0.1%	0.9%	0.2%	21.6%	0.1%	0.1%	0.2%	0.1%	0.1%	0.2%	0.1%		
Unigine Valley - 2560 x 1440 - Fullscreen - D3D11 (FPS)	10.19	6.21	10.22	10.19	2.97	16.73	16.68	18.92	18.90	11.06	11.13	11.22	18.92	26.65	15.45	15.44	14.65		
Normalized	38.24%	23.3%	38.35%	38.24%	11.14%	62.78%	62.59%	70.99%	70.92%	41.5%	41.76%	42.1%	70.99%	100%	57.97%	57.94%	54.97%		
Standard Deviation	0.1%	0%	0%	0.1%	0.1%	0%	0%	0%	0.1%	0.2%	0.1%	0.1%	0.1%	0.1%	0.1%	0%	0%		
Xonotic - 2560 x 1440 - Ultimate (FPS)	60.09	40.35	62.29	60.11	11.76	35.42	35.24	73.50	73.54	58.40	57.96	71.25	73.66	80.04	80.33	80.55	80.22	64.8359	42.2327
Normalized	74.6%	50.09%	77.33%	74.62%	14.6%	43.97%	43.75%	91.25%	91.3%	72.5%	71.96%	88.45%	91.45%	99.37%	99.73%	100%	99.59%	80.49%	52.43%
Standard Deviation	0%	0%	0%	0.1%	0%	0.3%	0.8%	0.3%	0.7%	0.5%	0.3%	29.9%	0.3%	0.5%	0.4%	1%	1.3%	1.9%	1.7%
GpuTest - Plot3D - 2560 x 1440 - Windowed (Points)	13084	7220	13122	13083	6894	55564	40098	40383	40439	27769	28245	28460	39360	48097	48143	48219	48431	12400	12328
Normalized	23.55%	12.99%	23.62%	23.55%	12.41%	100%	72.17%	72.68%	72.78%	49.98%	50.83%	51.22%	70.84%	86.56%	86.64%	86.78%	87.16%	22.32%	22.19%
Standard Deviation	0%	0%	0%	0%	0.2%	12.2%	0%	0%	0%	0%	0%	0.2%	0.1%	0%	0.1%	0%	0%	1.1%	0.9%

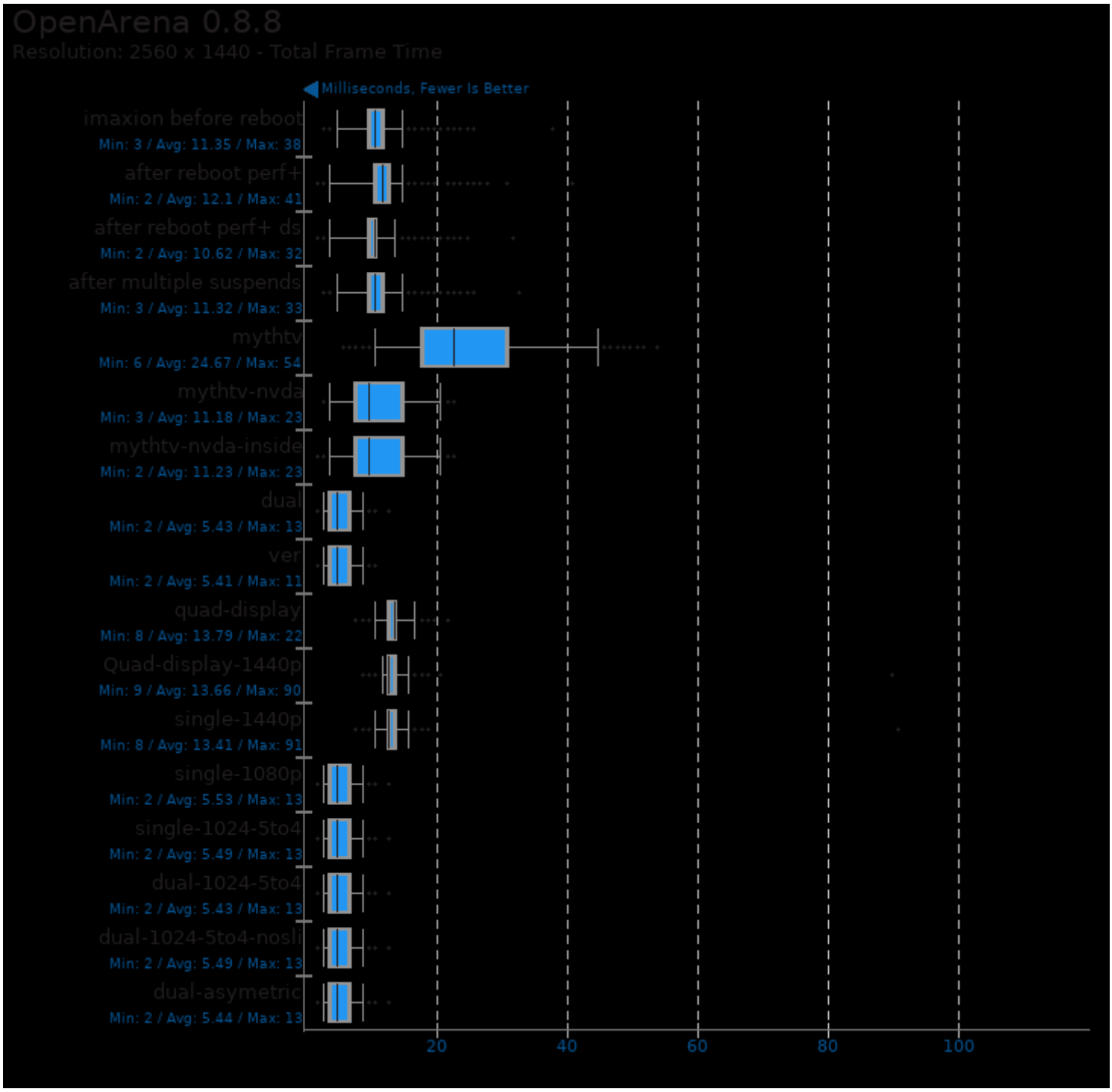
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GpuTest - Plot3D - 2560 x 1440 - Fullscreen (Points)	125 14	716 6	128 26	122 31	**690 7**	482 30	401 05	403 84	404 47	277 22	282 42	284 03	393 33	481 06	481 13	482 18	**483 93**	115 61	115 72
Normalized	25.86 %	14.81 %	26.5 %	25.27 %	14.27 %	99.66 %	82.87 %	83.45 %	83.58 %	57.29 %	58.36 %	58.69 %	81.28 %	99.41 %	99.42 %	99.64 %	100%	23.89 %	23.91 %
Standard Deviation	7%	0%	5.4%	7.6%	0.5%	16.2 %	0%	0%	0%	0.1%	0%	0%	0%	0%	0%	0%	0.2%	0.3%	0.5%

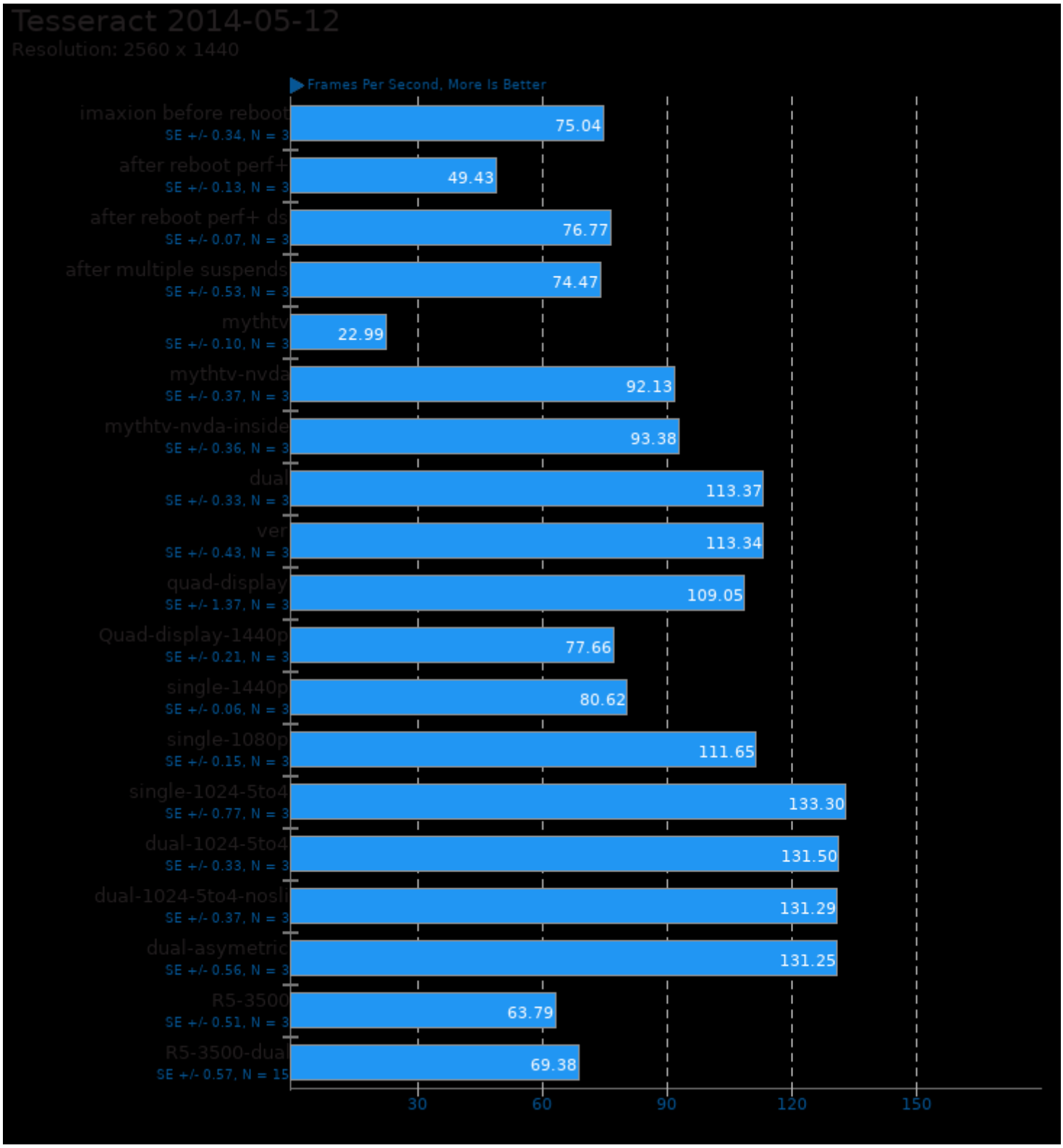
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OpenArena 0.8.8
Resolution: 2560 x 1440
Frames Per Second, More Is Better
imaxion before reboot
SE +/- 1.02, N = 3
MIN: 3
86.73
after reboot perf+
SE +/- 2.67, N = 6
MIN: 2
86.50
after reboot perf+ ds
SE +/- 0.03, N = 3
MIN: 2
93.93
after multiple suspends
SE +/- 0.06, N = 3
MIN: 3
87.90
mythtv
SE +/- 0.03, N = 3
MIN: 4 / MAX: 166
39.87
mythtv-nvda
SE +/- 0.24, N = 3
MIN: 2
89.53
mythtv-nvda-inside
SE +/- 0.06, N = 3
MIN: 2 / MAX: 110
88.90
dual
SE +/- 0.24, N = 3
MIN: 2
183.03
ver
SE +/- 0.53, N = 3
MIN: 2
183.20
quad-display
SE +/- 0.09, N = 3
MIN: 7 / MAX: 242
72.13
Quad-display-1440p
SE +/- 0.10, N = 3
MIN: 8 / MAX: 201
73.00
single-1440p
SE +/- 0.07, N = 3
MIN: 8 / MAX: 176
74.33
single-1080p
SE +/- 0.67, N = 3
MIN: 2
181.07
single-1024-5to4
SE +/- 0.67, N = 3
MIN: 2
180.40
dual-1024-5to4
SE +/- 0.24, N = 3
MIN: 2
183.27
dual-1024-5to4-nosl
SE +/- 0.47, N = 3
MIN: 2
182.43
dual-asymetric
SE +/- 0.45, N = 3
MIN: 2
182.60
R5-3500
SE +/- 0.25, N = 3
MIN: 3
114.50
R5-3500-dual
SE +/- 0.03, N = 3
MIN: 6 / MAX: 77
55.00
40
80
120
160
200

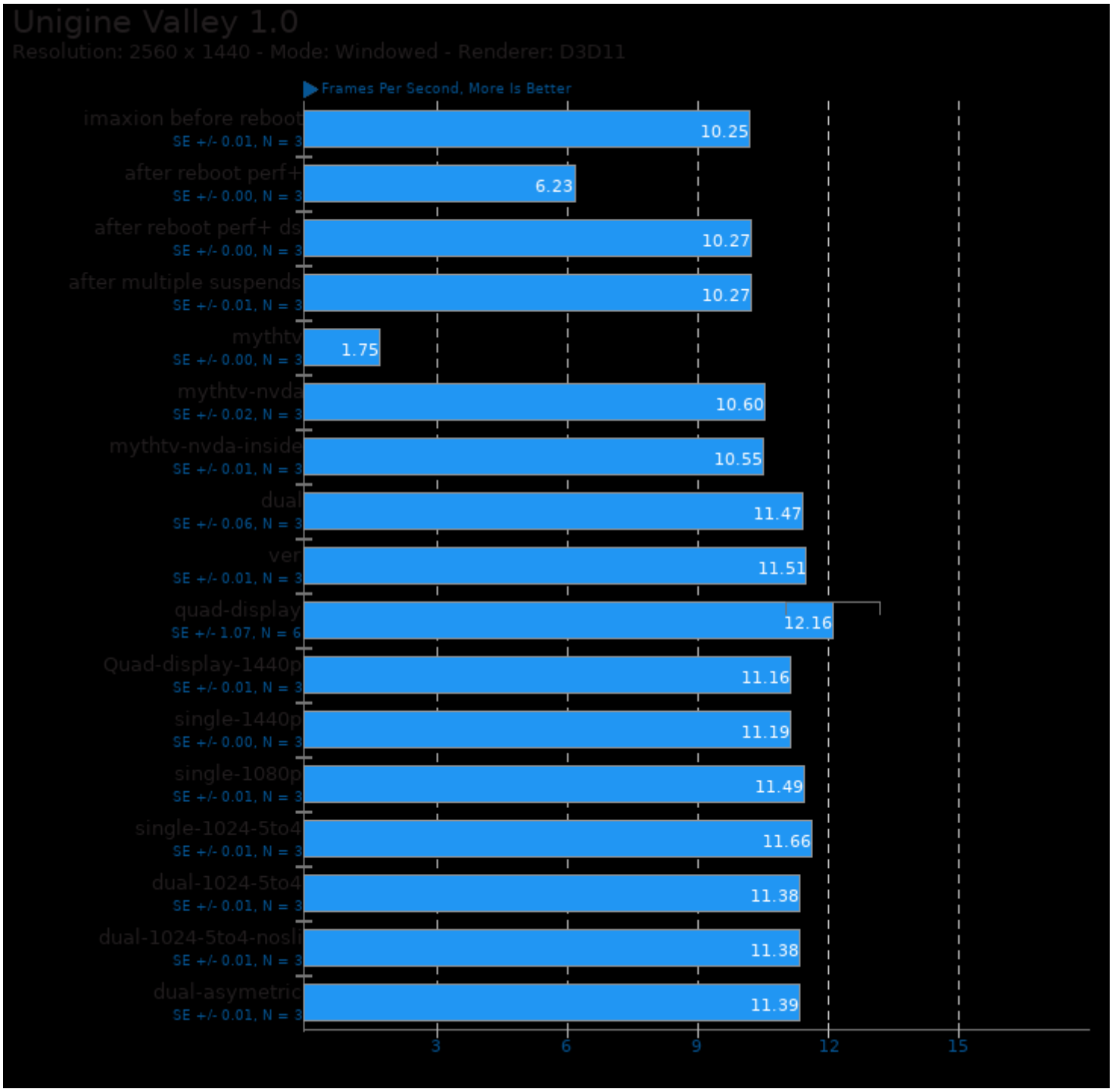
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OpenArena 0.8.8
Resolution: 2560 x 1440 - Total Frame Time
Milliseconds, Fewer Is Better
imaxion before reboot
Min: 3 / Avg: 11.35 / Max: 38
after reboot perf+
Min: 2 / Avg: 12.1 / Max: 41
after reboot perf+ ds
Min: 2 / Avg: 10.62 / Max: 32
after multiple suspends
Min: 3 / Avg: 11.32 / Max: 33
mythtv
Min: 6 / Avg: 24.67 / Max: 54
mythtv-nvda
Min: 3 / Avg: 11.18 / Max: 23
mythtv-nvda-inside
Min: 2 / Avg: 11.23 / Max: 23
dual
Min: 2 / Avg: 5.43 / Max: 13
ver
Min: 2 / Avg: 5.41 / Max: 11
quad-display
Min: 8 / Avg: 13.79 / Max: 22
Quad-display-1440p
Min: 9 / Avg: 13.66 / Max: 90
single-1440p
Min: 8 / Avg: 13.41 / Max: 91
single-1080p
Min: 2 / Avg: 5.53 / Max: 13
single-1024-5to4
Min: 2 / Avg: 5.49 / Max: 13
dual-1024-5to4
Min: 2 / Avg: 5.43 / Max: 13
dual-1024-5to4-nosli
Min: 2 / Avg: 5.49 / Max: 13
dual-asymetric
Min: 2 / Avg: 5.44 / Max: 13
20
40
60
80
100

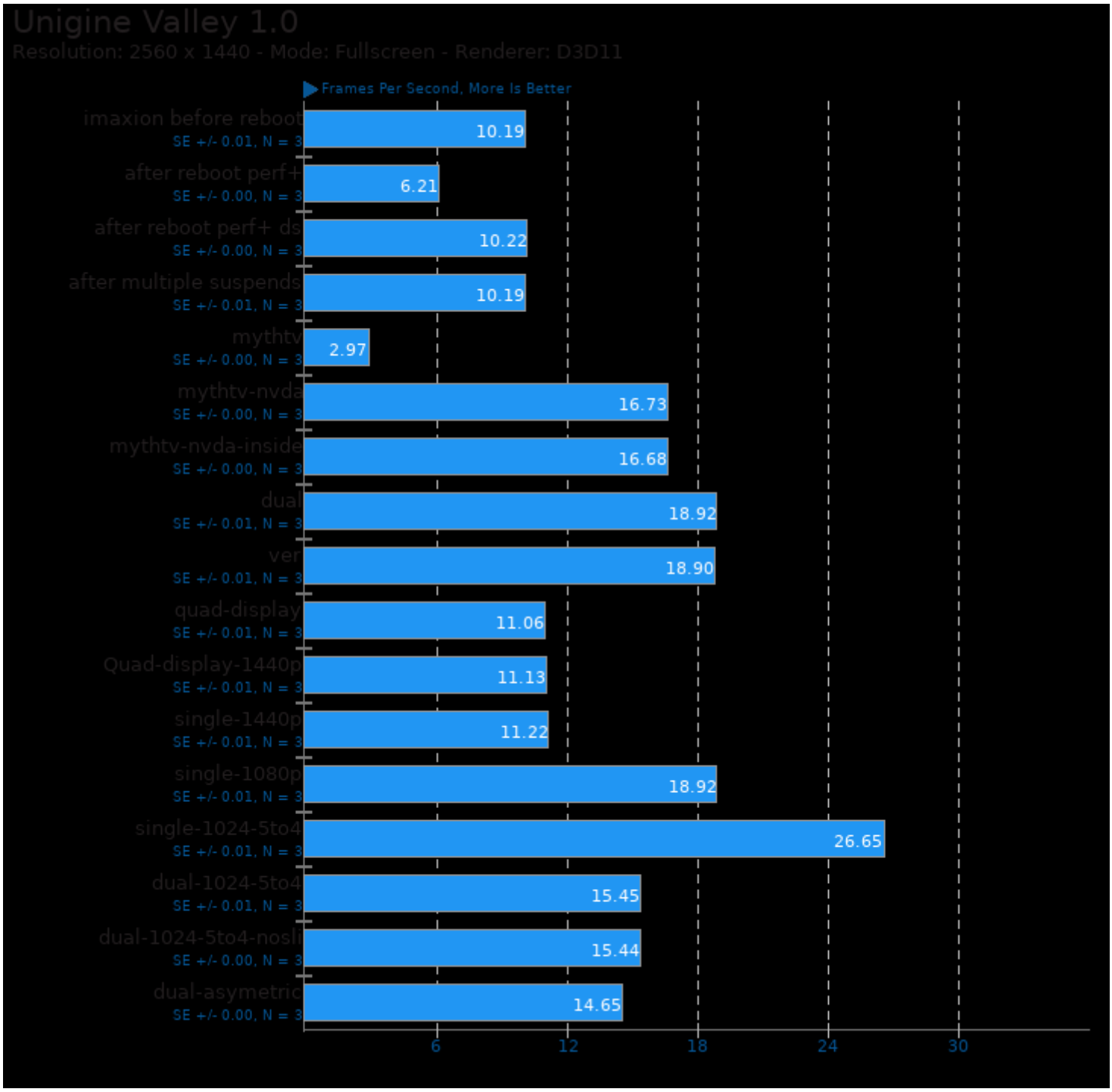
imaxion


Tesseract 2014-05-12
Resolution: 2560 x 1440
Frames Per Second, More Is Better
imaxion before reboot
SE +/- 0.34, N = 3
75.04
after reboot perf+
SE +/- 0.13, N = 3
49.43
after reboot perf+ ds
SE +/- 0.07, N = 3
76.77
after multiple suspends
SE +/- 0.53, N = 3
74.47
mythtv
SE +/- 0.10, N = 3
22.99
mythtv-nvda
SE +/- 0.37, N = 3
92.13
mythtv-nvda-inside
SE +/- 0.36, N = 3
93.38
dual
SE +/- 0.33, N = 3
113.37
ver
SE +/- 0.43, N = 3
113.34
quad-display
SE +/- 1.37, N = 3
109.05
Quad-display-1440p
SE +/- 0.21, N = 3
77.66
single-1440p
SE +/- 0.06, N = 3
80.62
single-1080p
SE +/- 0.15, N = 3
111.65
single-1024-5to4
SE +/- 0.77, N = 3
133.30
dual-1024-5to4
SE +/- 0.33, N = 3
131.50
dual-1024-5to4-nosli
SE +/- 0.37, N = 3
131.29
dual-asymetric
SE +/- 0.56, N = 3
131.25
R5-3500
SE +/- 0.51, N = 3
63.79
R5-3500-dual
SE +/- 0.57, N = 15
69.38
30
60
90
120
150

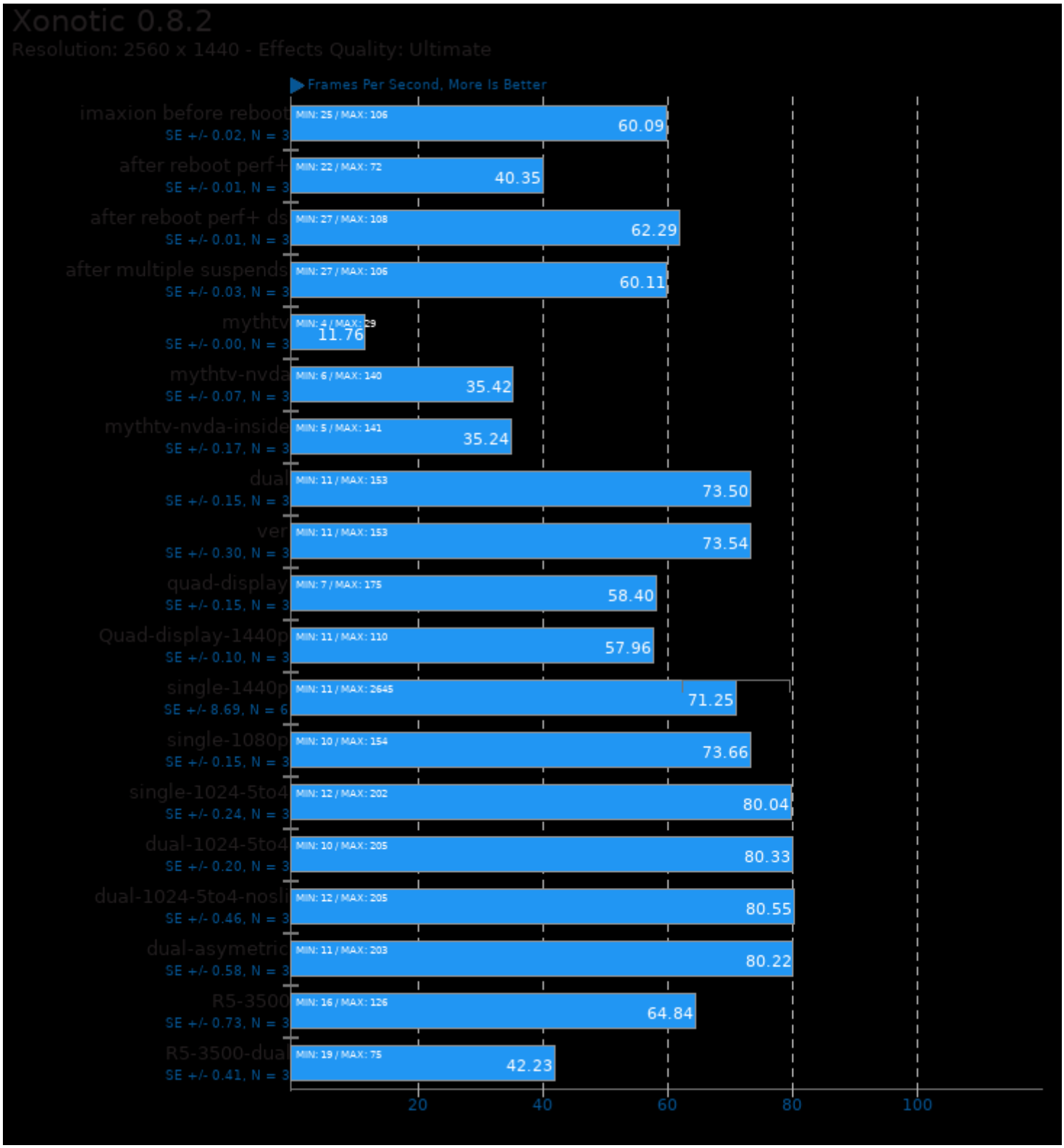
imaxion


Unigine Valley 1.0
Resolution: 2560 x 1440 - Mode: Windowed - Renderer: D3D11
Frames Per Second, More Is Better
imaxion before reboot
SE +/- 0.01, N = 3
10.25
after reboot perf+
SE +/- 0.00, N = 3
6.23
after reboot perf+ ds
SE +/- 0.00, N = 3
10.27
after multiple suspends
SE +/- 0.01, N = 3
10.27
mythtv
SE +/- 0.00, N = 3
1.75
mythtv-nvda
SE +/- 0.02, N = 3
10.60
mythtv-nvda-inside
SE +/- 0.01, N = 3
10.55
dual
SE +/- 0.06, N = 3
11.47
ver
SE +/- 0.01, N = 3
11.51
quad-display
SE +/- 1.07, N = 6
12.16
Quad-display-1440p
SE +/- 0.01, N = 3
11.16
single-1440p
SE +/- 0.00, N = 3
11.19
single-1080p
SE +/- 0.01, N = 3
11.49
single-1024-5to4
SE +/- 0.01, N = 3
11.66
dual-1024-5to4
SE +/- 0.01, N = 3
11.38
dual-1024-5to4-nosli
SE +/- 0.01, N = 3
11.38
dual-asymetric
SE +/- 0.01, N = 3
11.39
3
6
9
12
15

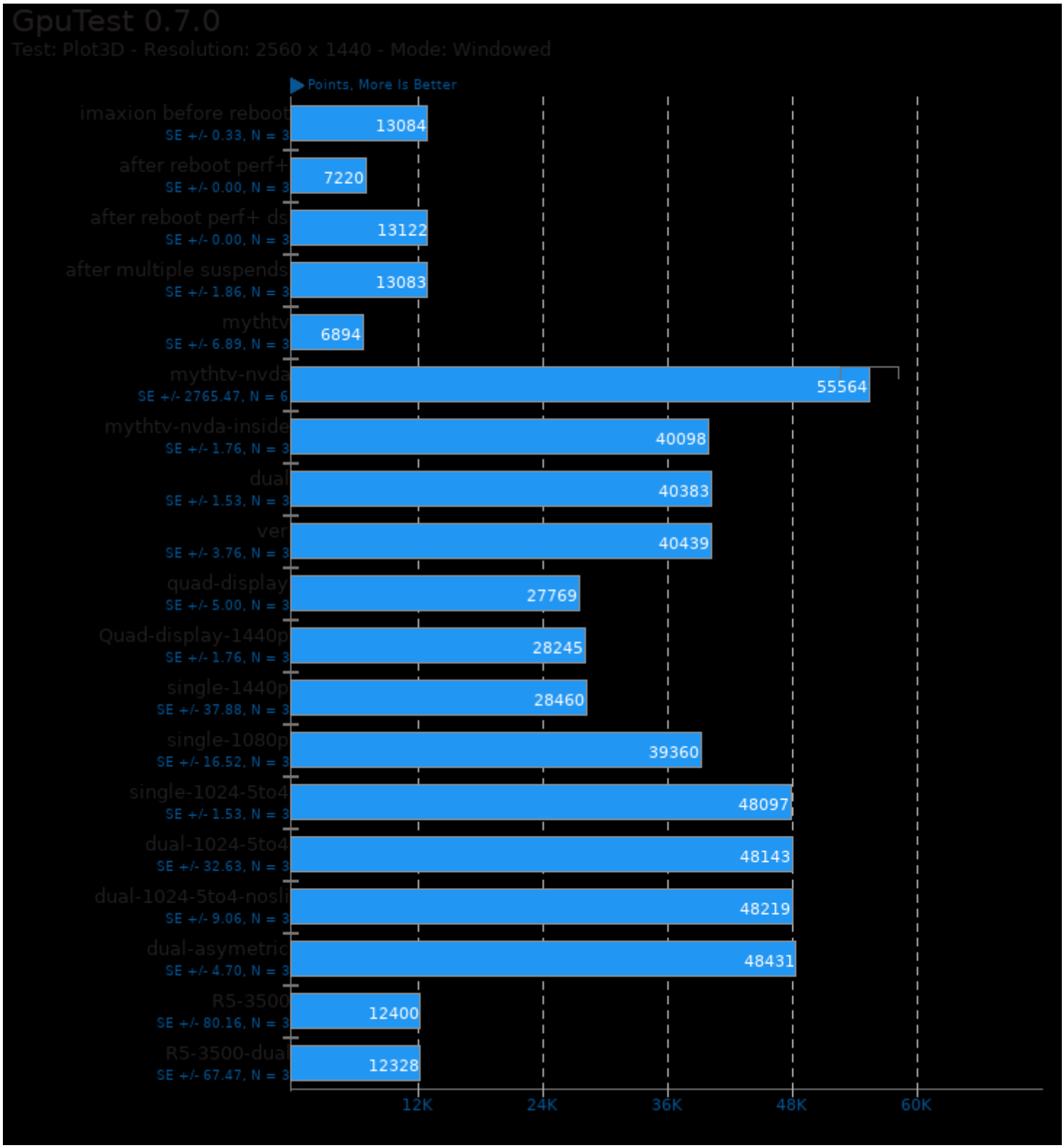
imaxion


Unigine Valley 1.0
Resolution: 2560 x 1440 - Mode: Fullscreen - Renderer: D3D11
Frames Per Second, More Is Better
imaxion before reboot
SE +/- 0.01, N = 3
10.19
after reboot perf+
SE +/- 0.00, N = 3
6.21
after reboot perf+ ds
SE +/- 0.00, N = 3
10.22
after multiple suspends
SE +/- 0.01, N = 3
10.19
mythtv
SE +/- 0.00, N = 3
2.97
mythtv-nvda
SE +/- 0.00, N = 3
16.73
mythtv-nvda-inside
SE +/- 0.00, N = 3
16.68
dual
SE +/- 0.01, N = 3
18.92
ver
SE +/- 0.01, N = 3
18.90
quad-display
SE +/- 0.01, N = 3
11.06
Quad-display-1440p
SE +/- 0.01, N = 3
11.13
single-1440p
SE +/- 0.01, N = 3
11.22
single-1080p
SE +/- 0.01, N = 3
18.92
single-1024-5to4
SE +/- 0.01, N = 3
26.65
dual-1024-5to4
SE +/- 0.01, N = 3
15.45
dual-1024-5to4-nosli
SE +/- 0.00, N = 3
15.44
dual-asymetric
SE +/- 0.00, N = 3
14.65
6
12
18
24
30

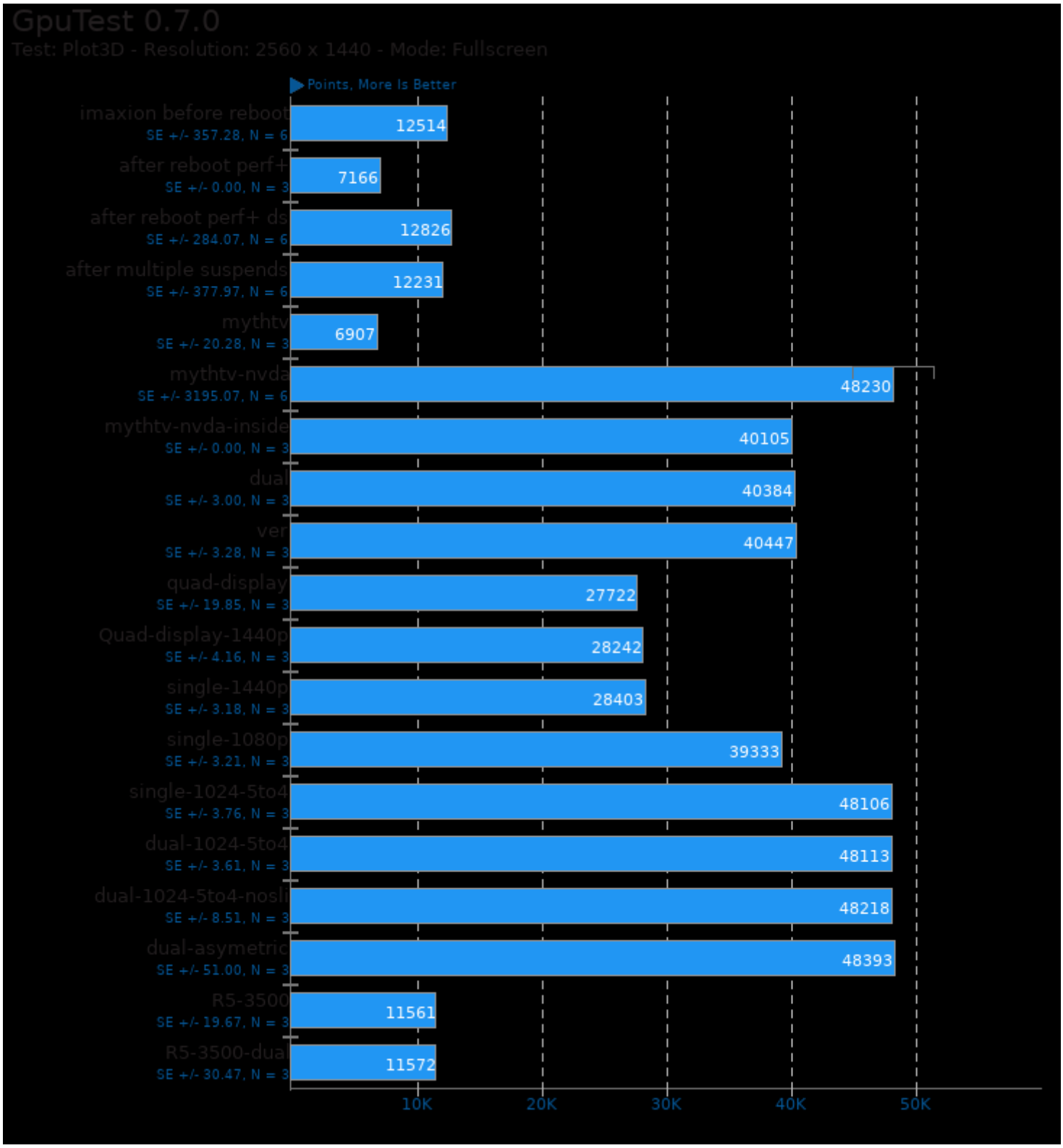
imaxion

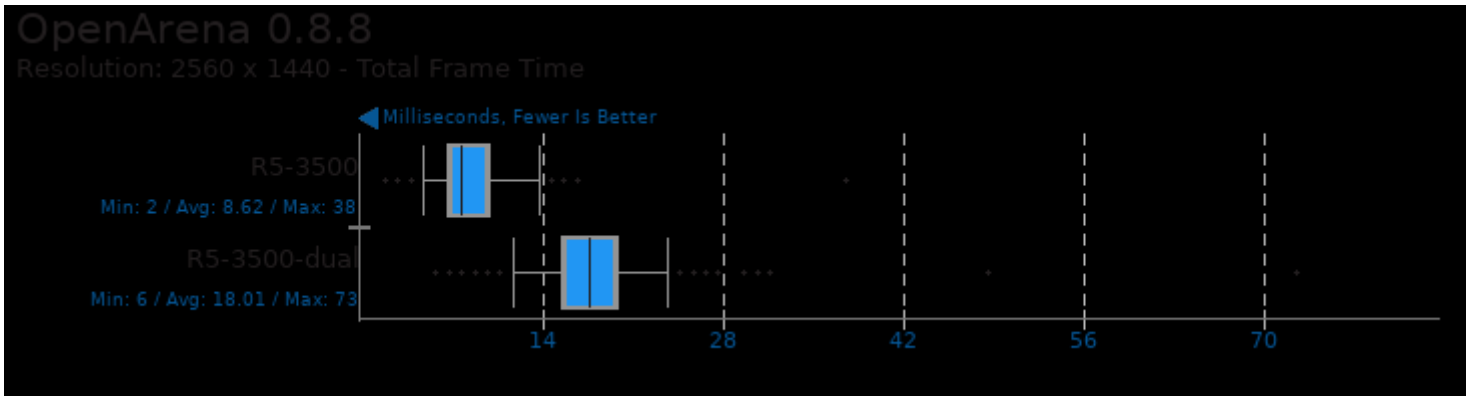

Xonotic 0.8.2
Resolution: 2560 x 1440 - Effects Quality: Ultimate
Frames Per Second, More Is Better
imaxion before reboot
SE +/- 0.02, N = 3
MIN: 25 / MAX: 106
60.09
after reboot perf+
SE +/- 0.01, N = 3
MIN: 22 / MAX: 72
40.35
after reboot perf+ ds
SE +/- 0.01, N = 3
MIN: 27 / MAX: 108
62.29
after multiple suspends
SE +/- 0.03, N = 3
MIN: 27 / MAX: 106
60.11
mythtv
SE +/- 0.00, N = 3
MIN: 4 / MAX: 29
11.76
mythtv-nvda
SE +/- 0.07, N = 3
MIN: 6 / MAX: 140
35.42
mythtv-nvda-inside
SE +/- 0.17, N = 3
MIN: 5 / MAX: 141
35.24
dual
SE +/- 0.15, N = 3
MIN: 11 / MAX: 153
73.50
ver
SE +/- 0.30, N = 3
MIN: 11 / MAX: 153
73.54
quad-display
SE +/- 0.15, N = 3
MIN: 7 / MAX: 175
58.40
Quad-display-1440p
SE +/- 0.10, N = 3
MIN: 11 / MAX: 110
57.96
single-1440p
SE +/- 8.69, N = 6
MIN: 11 / MAX: 2645
71.25
single-1080p
SE +/- 0.15, N = 3
MIN: 10 / MAX: 154
73.66
single-1024-5to4
SE +/- 0.24, N = 3
MIN: 12 / MAX: 202
80.04
dual-1024-5to4
SE +/- 0.20, N = 3
MIN: 10 / MAX: 205
80.33
dual-1024-5to4-nosli
SE +/- 0.46, N = 3
MIN: 12 / MAX: 205
80.55
dual-asymetric
SE +/- 0.58, N = 3
MIN: 11 / MAX: 203
80.22
R5-3500
SE +/- 0.73, N = 3
MIN: 16 / MAX: 126
64.84
R5-3500-dual
SE +/- 0.41, N = 3
MIN: 19 / MAX: 75
42.23
20
40
60
80
100

imaxion

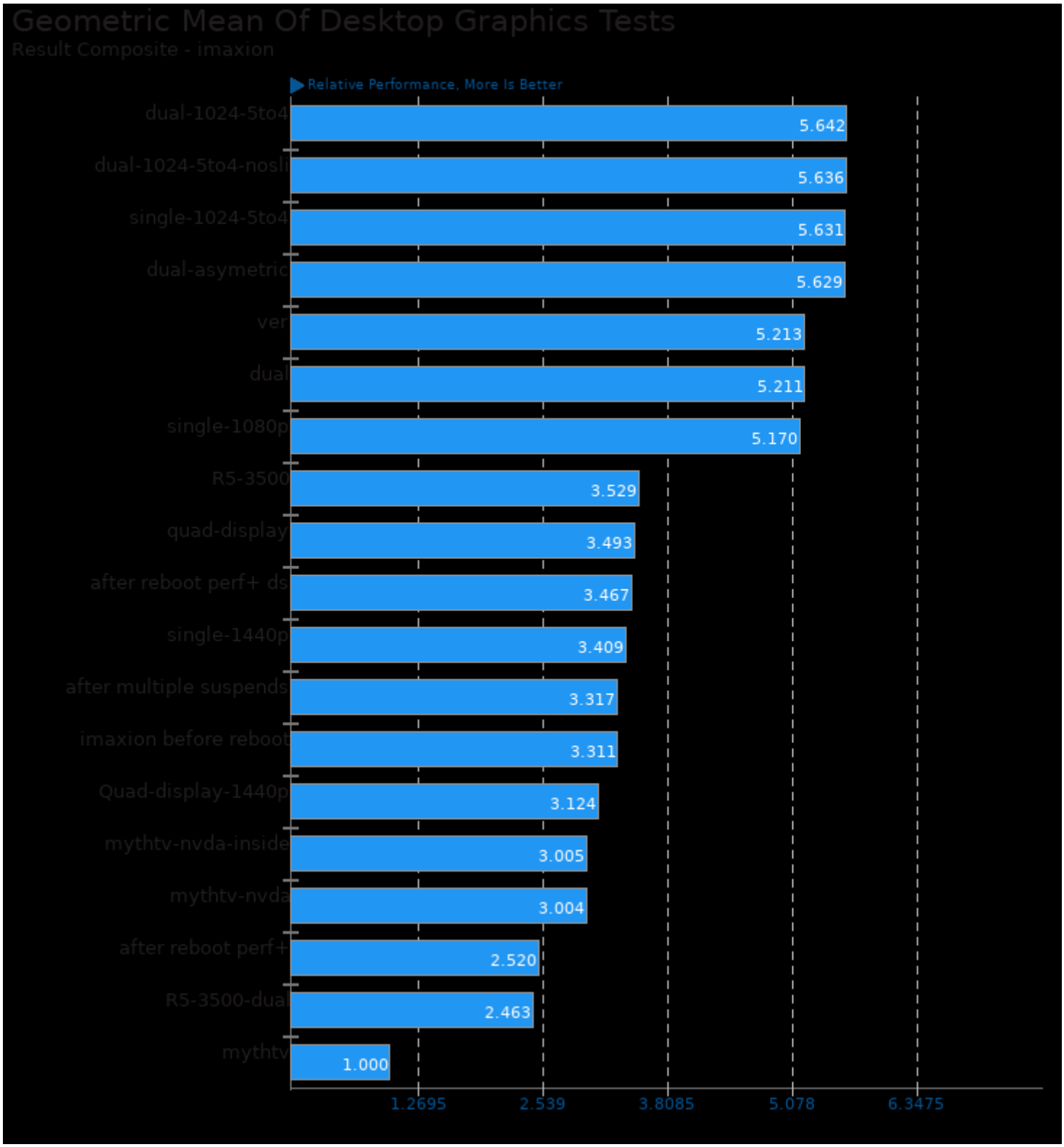

GpuTest 0.7.0
Test: Plot3D - Resolution: 2560 x 1440 - Mode: Windowed
Points, More Is Better
imaxion before reboot
SE +/- 0.33, N = 3
13084
after reboot perf+
SE +/- 0.00, N = 3
7220
after reboot perf+ ds
SE +/- 0.00, N = 3
13122
after multiple suspends
SE +/- 1.86, N = 3
13083
mythtv
SE +/- 6.89, N = 3
6894
mythtv-nvda
SE +/- 2765.47, N = 6
55564
mythtv-nvda-inside
SE +/- 1.76, N = 3
40098
dual
SE +/- 1.53, N = 3
40383
ver
SE +/- 3.76, N = 3
40439
quad-display
SE +/- 5.00, N = 3
27769
Quad-display-1440p
SE +/- 1.76, N = 3
28245
single-1440p
SE +/- 37.88, N = 3
28460
single-1080p
SE +/- 16.52, N = 3
39360
single-1024-5to4
SE +/- 1.53, N = 3
48097
dual-1024-5to4
SE +/- 32.63, N = 3
48143
dual-1024-5to4-nosli
SE +/- 9.06, N = 3
48219
dual-asymetric
SE +/- 4.70, N = 3
48431
R5-3500
SE +/- 80.16, N = 3
12400
R5-3500-dual
SE +/- 67.47, N = 3
12328
12K
24K
36K
48K
60K

imaxion


GpuTest 0.7.0
Test: Plot3D - Resolution: 2560 x 1440 - Mode: Fullscreen
Points, More Is Better
imaxion before reboot
SE +/- 357.28, N = 6
12514
after reboot perf+
SE +/- 0.00, N = 3
7166
after reboot perf+ ds
SE +/- 284.07, N = 6
12826
after multiple suspends
SE +/- 377.97, N = 6
12231
mythtv
SE +/- 20.28, N = 3
6907
mythtv-nvda
SE +/- 3195.07, N = 6
48230
mythtv-nvda-inside
SE +/- 0.00, N = 3
40105
dual
SE +/- 3.00, N = 3
40384
ver
SE +/- 3.28, N = 3
40447
quad-display
SE +/- 19.85, N = 3
27722
Quad-display-1440p
SE +/- 4.16, N = 3
28242
single-1440p
SE +/- 3.18, N = 3
28403
single-1080p
SE +/- 3.21, N = 3
39333
single-1024-5to4
SE +/- 3.76, N = 3
48106
dual-1024-5to4
SE +/- 3.61, N = 3
48113
dual-1024-5to4-nosli
SE +/- 8.51, N = 3
48218
dual-asymetric
SE +/- 51.00, N = 3
48393
R5-3500
SE +/- 19.67, N = 3
11561
R5-3500-dual
SE +/- 30.47, N = 3
11572
10K
20K
30K
40K
50K


OpenArena 0.8.8
Resolution: 2560 x 1440 - Total Frame Time
Milliseconds, Fewer Is Better
R5-3500
Min: 2 / Avg: 8.62 / Max: 38
R5-3500-dual
Min: 6 / Avg: 18.01 / Max: 73
14
28
42
56
70

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 and pts/unigine-valley

This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 05:20.