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virgl-possible-regression

QEMU testing on Gentoo 2.8 via the Phoronix Test Suite.

Automated Executive Summary

sysvalue-buffer-optimized-v2 had the most wins, coming in first place for 37% of the tests.

Based on the geometric mean of all complete results, the fastest (sysvalue-buffer-optimized) was 1.088x the speed of the slowest (master-dpms-fixed). sysvalue-buffer-optimized-v2 was 0.99x the speed of sysvalue-buffer-optimized, pre-ci-downfall was 0.983x the speed of sysvalue-buffer-optimized-v2, master-past-downfall was 0.953x the speed of pre-ci-downfall, master-dpms-fixed was 0.991x the speed of master-past-downfall.

Test Systems:

pre-ci-downfall

master-past-downfall

master-dpms-fixed

sysvalue-buffer-optimized

sysvalue-buffer-optimized-v2

Processor: 8 x QEMU Virtual 2.5+ (8 Cores), Motherboard: QEMU Standard PC (Q35 + ICH9 2009) (rel-1.14.0-0-g155821a1990b-prebuilt.qemu.org BIOS), Chipset: Intel 82G33/G31/P35/P31 + ICH9, Memory: 32GB, Disk: 97GB, Graphics: Red Hat Virtio GPU 12288GB, Audio: Intel 82801I, Monitor: QEMU Monitor, Network: Red Hat Virtio device

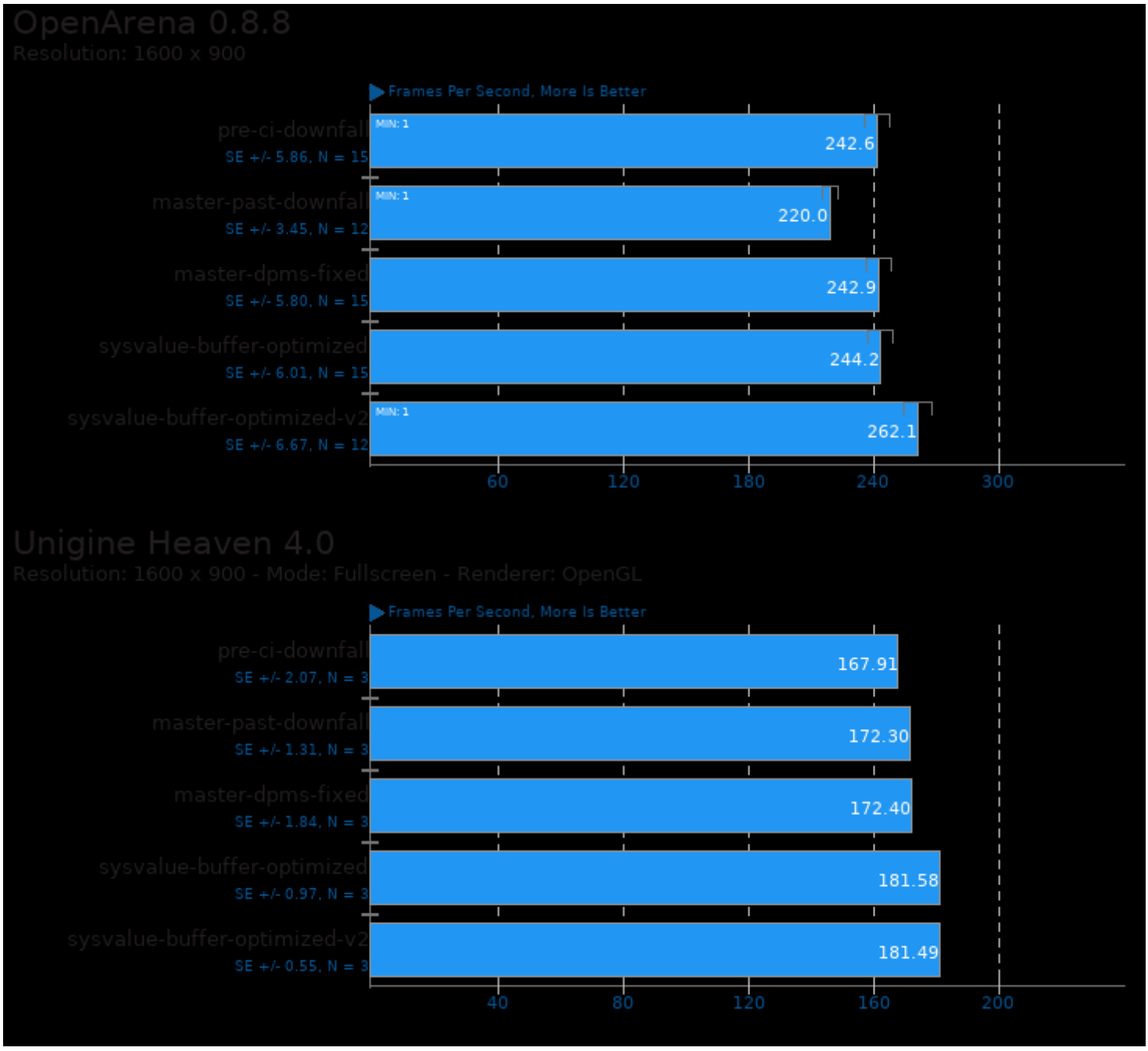
OS: Gentoo 2.8, Kernel: 5.15.52-gentoo-x86_64 (x86_64), Display Server: X Server 1.21.1.3, OpenGL: 4.3 Mesa 22.3.0-devel (git-50802f96a8) (LLVM 14.0.4 DRM 3.42...), Compiler: GCC 11.3.0 + LLVM 14.0.4, File-System: ext4, Screen Resolution: 1024x768, System Layer: QEMU

Processor Notes: CPU Microcode: 0x1000065
Python Notes: Python 3.10.5
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + mmio_stale_data: Not affected + spec_store_bypass: Not affected + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Retpolines STIBP: disabled RSB filling + srbds: Not affected + tsx_async_abort: Not affected

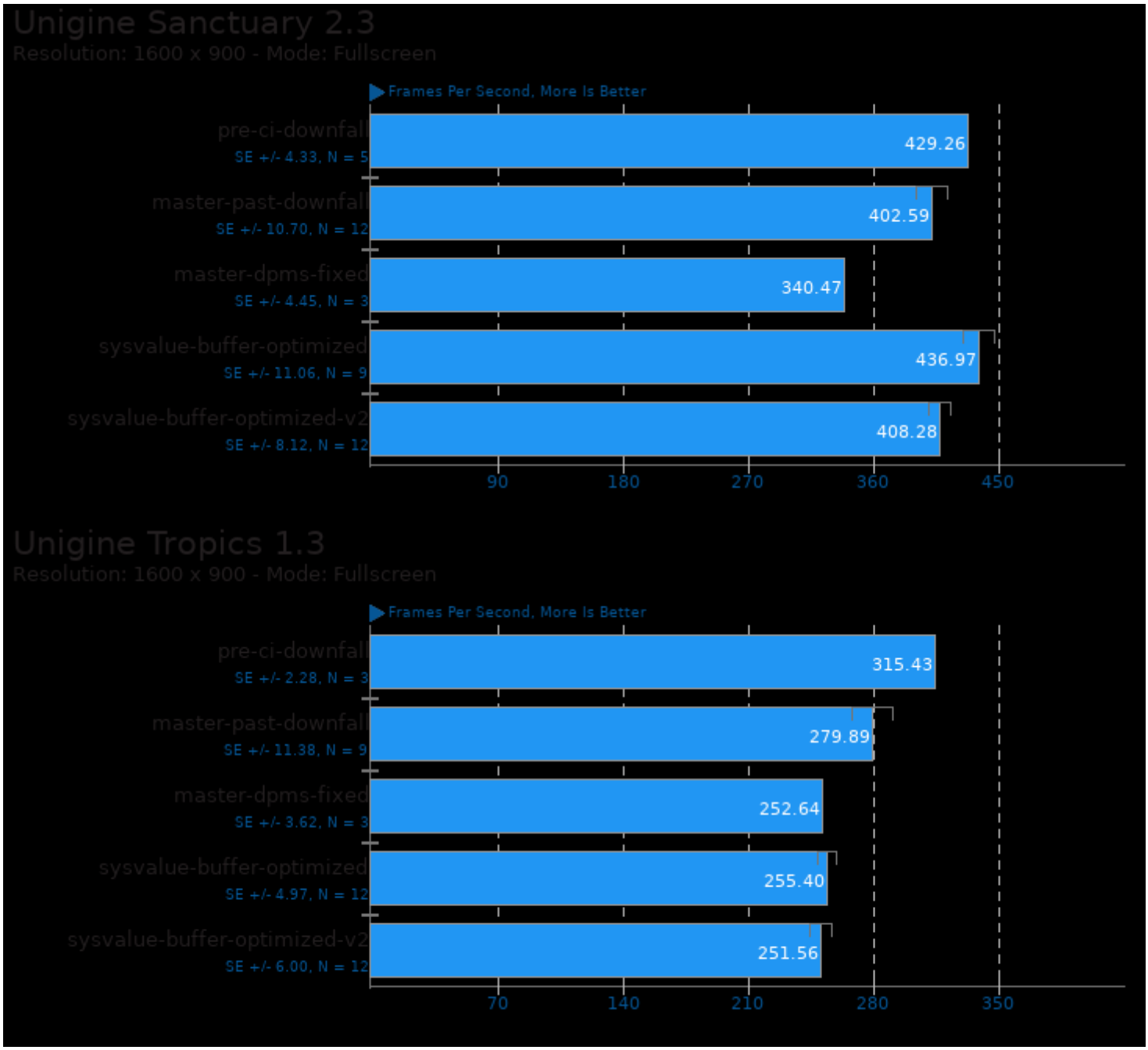
	pre-ci-downfall	master-past-downfall	master-dpms-fixed	sysvalue-buffer-optimized	sysvalue-buffer-optimized-v2
OpenArena - 1600 x 900 (FPS)	242.6	**220.0**	242.9	244.2	**262.1**
Normalized	92.56%	83.94%	92.67%	93.17%	100%
Standard Deviation	9.4%	5.4%	9.3%	9.5%	8.8%
Unigine Heaven - 1600 x 900 - Fullscreen - OpenGL (FPS)	**167.905**	172.301	172.396	**181.583**	181.491
Normalized	92.47%	94.89%	94.94%	100%	99.95%
Standard Deviation	2.1%	1.3%	1.9%	0.9%	0.5%
Unigine Sanctuary - 1600 x 900 - Fullscreen (FPS)	429.262	402.588	**340.469**	**436.974**	408.281
Normalized	98.24%	92.13%	77.92%	100%	93.43%
Standard Deviation	2.3%	9.2%	2.3%	7.6%	6.9%
Unigine Tropics - 1600 x 900 - Fullscreen (FPS)	**315.425**	279.889	252.644	255.401	**251.556**
Normalized	100%	88.73%	80.1%	80.97%	79.75%
Standard Deviation	1.2%	12.2%	2.5%	6.7%	8.3%
Unigine Valley - 1600 x 900 - Fullscreen - OpenGL (FPS)	**149.669**	149.988	150.375	162.990	**164.668**
Normalized	90.89%	91.09%	91.32%	98.98%	100%
Standard Deviation	0.6%	0.6%	2%	2.3%	1.4%
Xonotic - 1024 x 768 - Ultimate (FPS)	192.9004516	**192.0066189**	193.5512128	247.5440241	**250.7426004**
Normalized	76.93%	76.58%	77.19%	98.72%	100%
Standard Deviation	1.8%	0.3%	2.5%	1.8%	1.6%
GpuTest - 1600 x 900 (Points)	13783	**14039**	**13437**	13940	13476
Normalized	98.18%	100%	95.71%	99.29%	95.99%
Standard Deviation	1.2%	2%	1.2%	2.5%	2.4%
GLmark2 - 1024 x 768 (Score)	**4886**	**4218**	4811	4795	4530

Normalized	100%	86.33%	98.47%	98.14%	92.71%

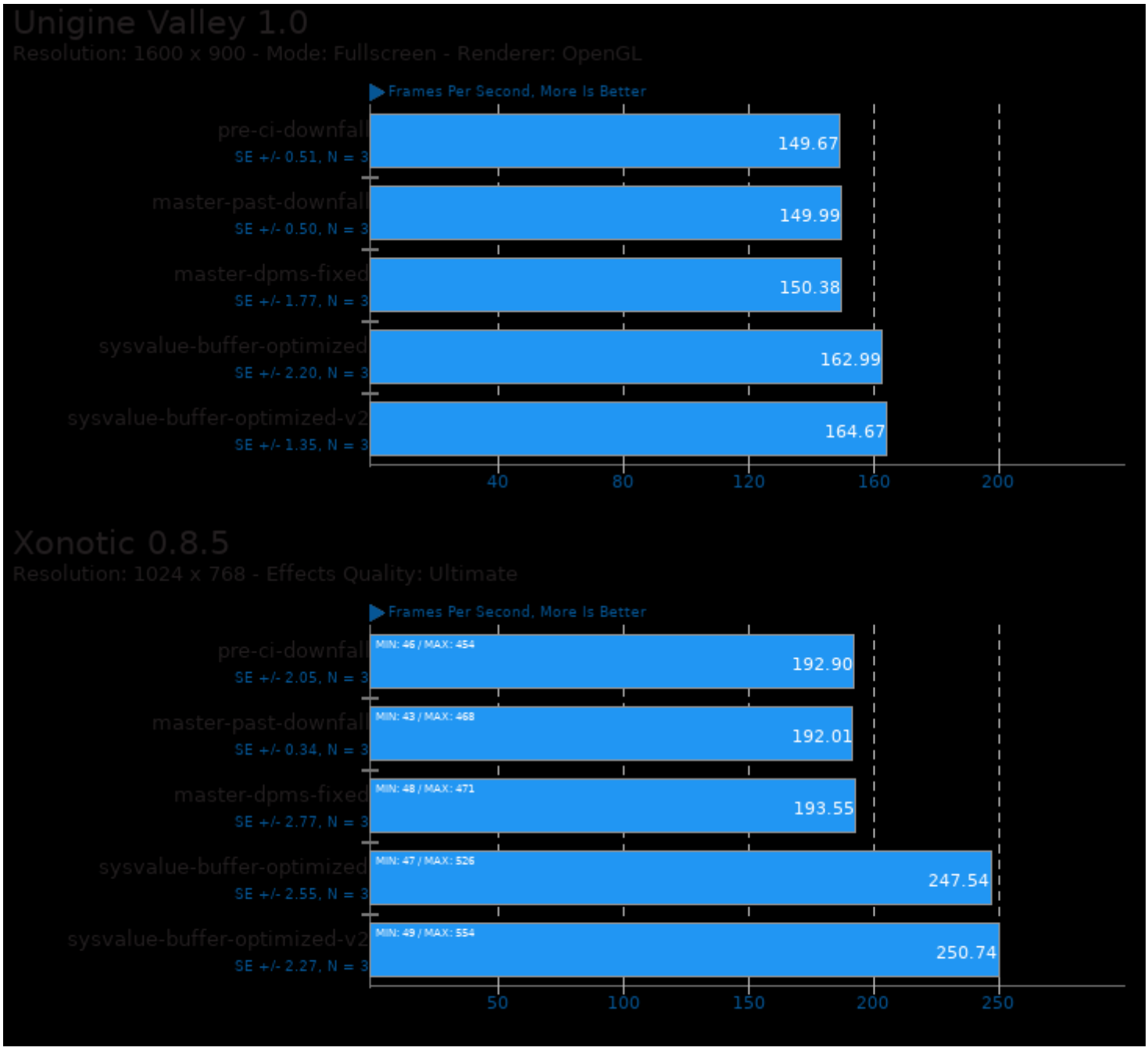
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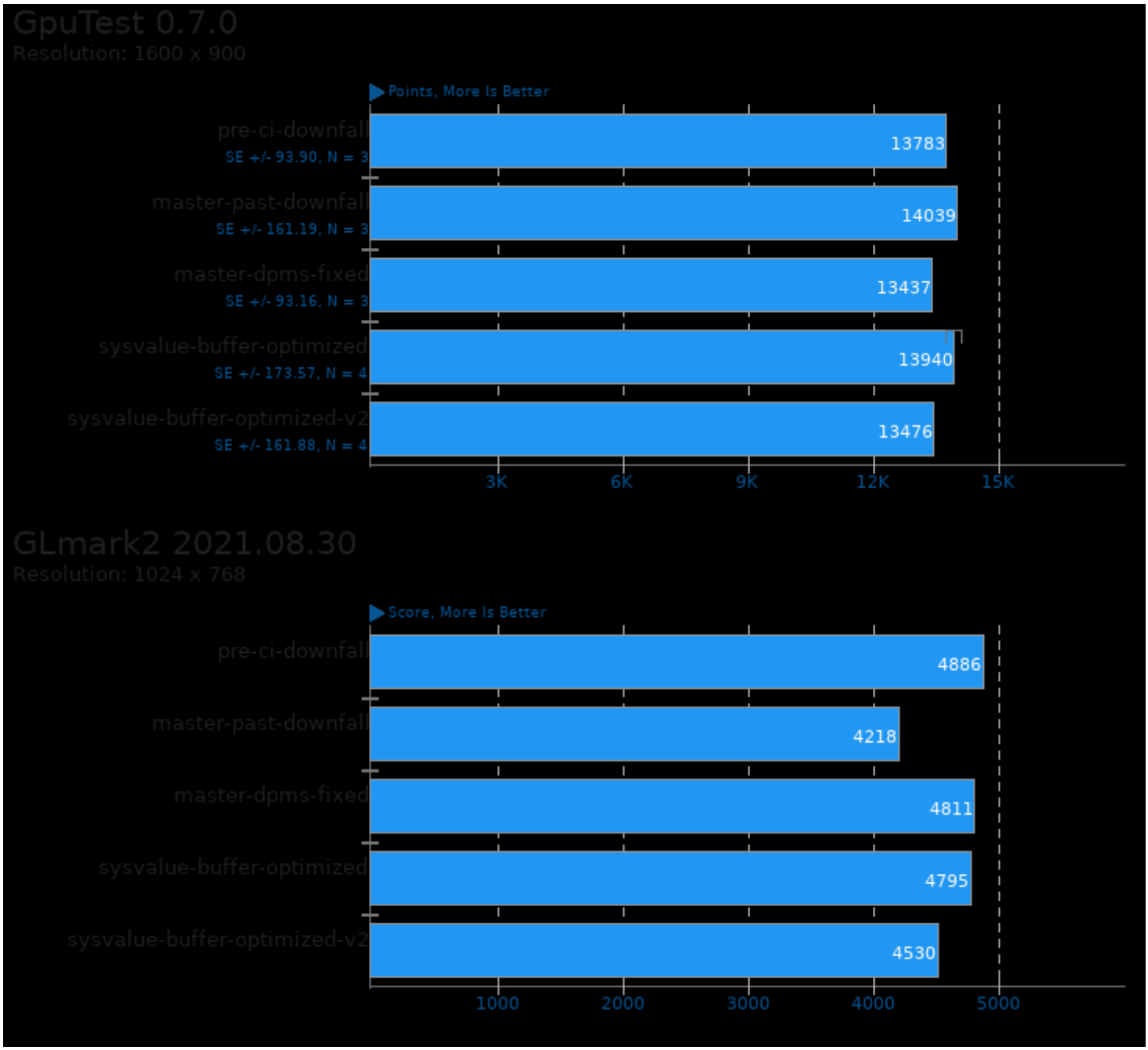
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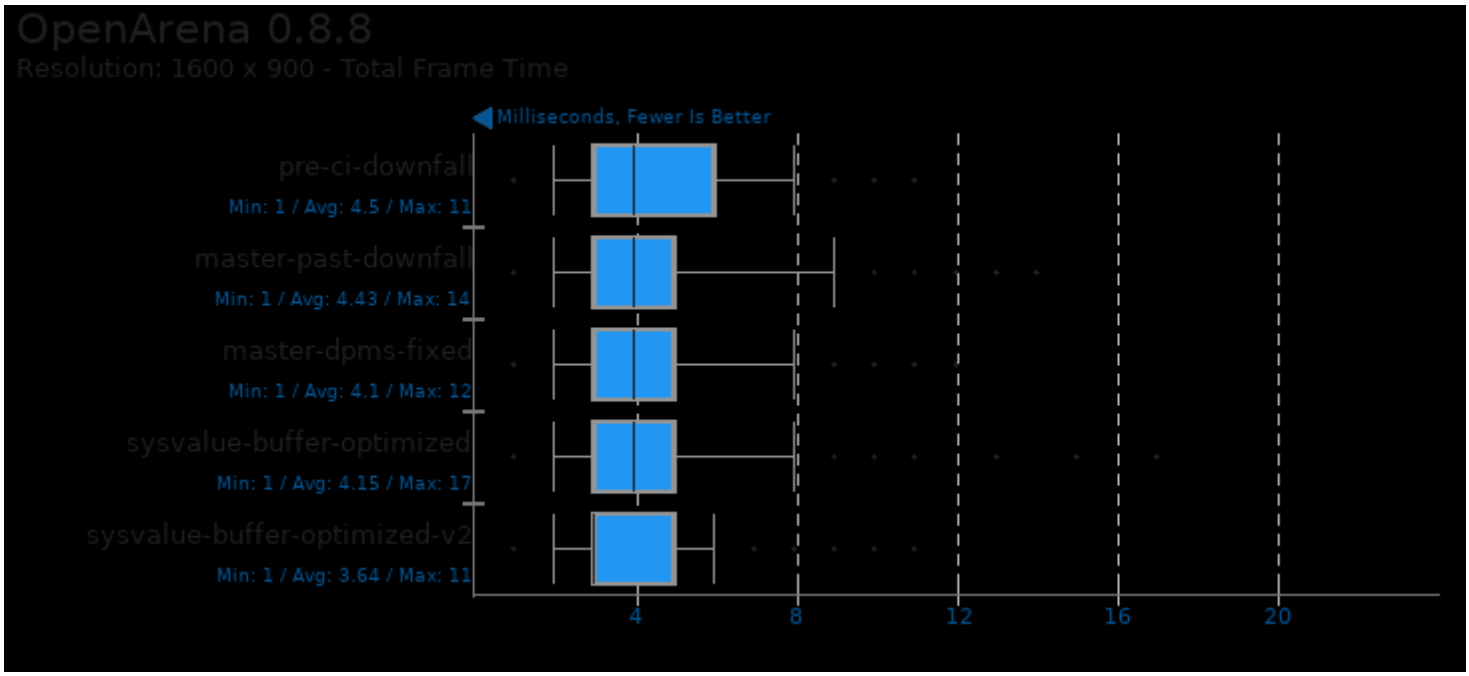
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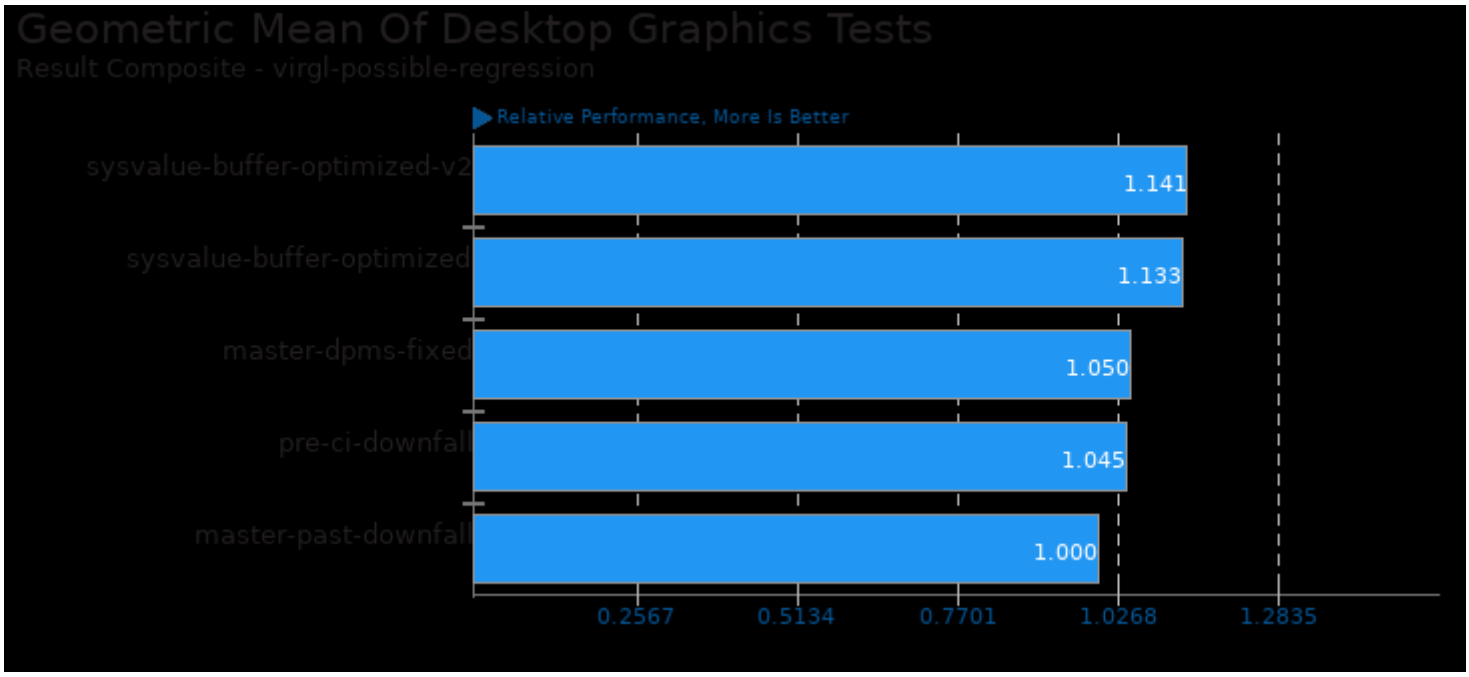


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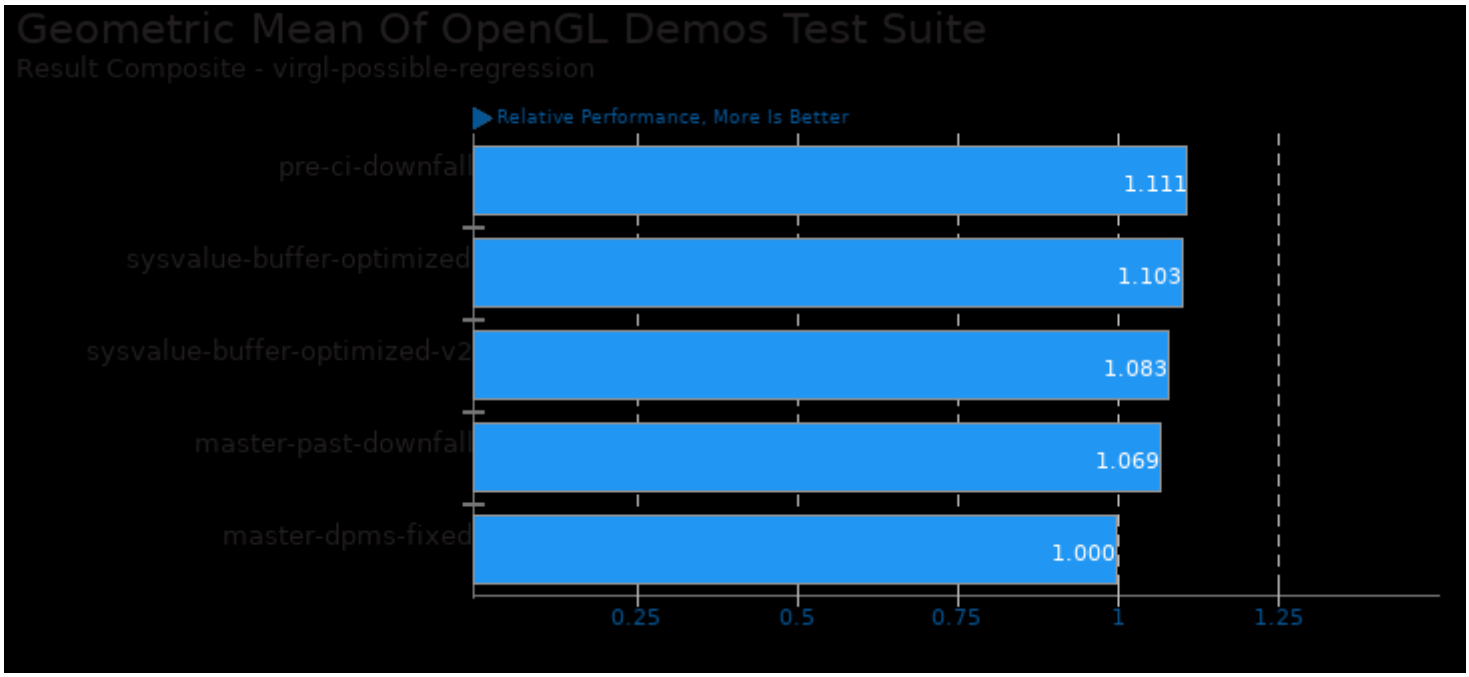


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These geometric means are based upon test groupings / test suites for this result file.

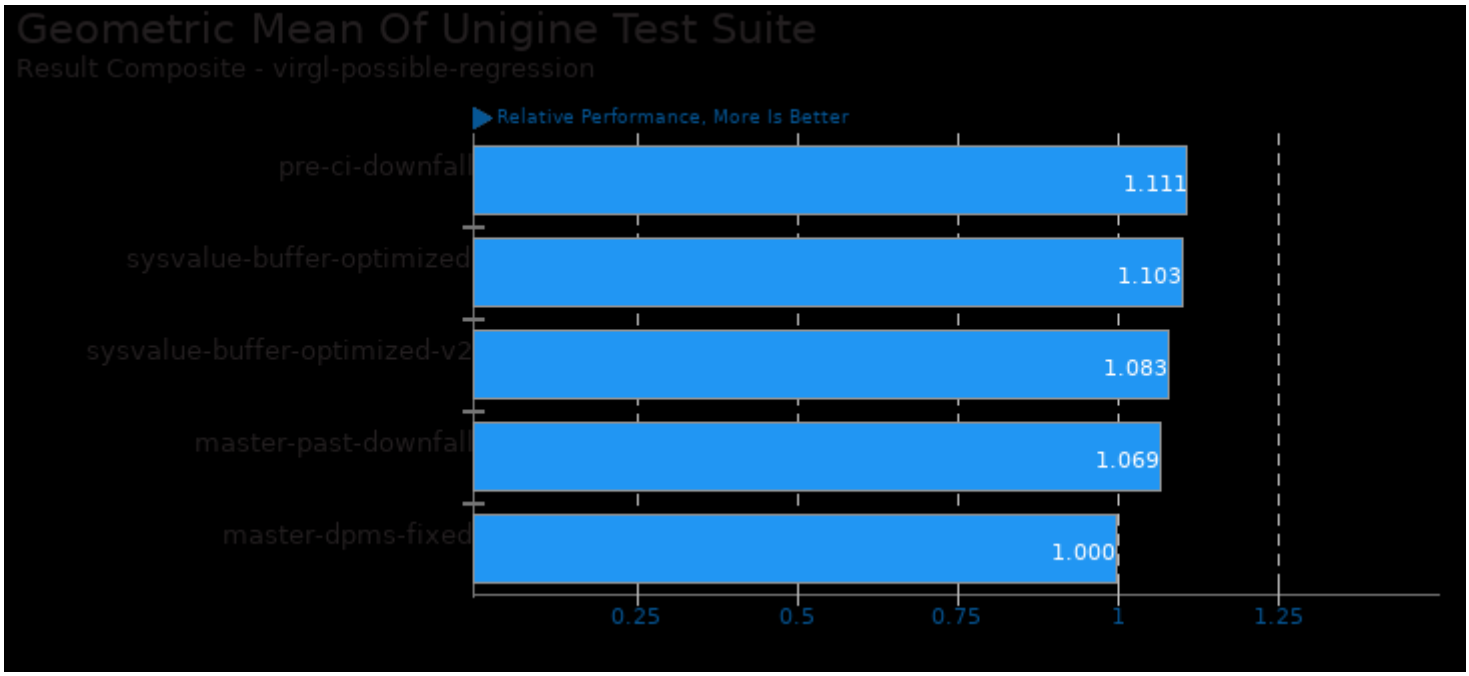


Geometric mean based upon tests: pts/xonotic, pts/openarena, pts/unigine-valley, pts/unigine-heaven and pts/glmark2



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

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

This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 11:24.