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Ubuntu 17.04 Intel Skylake HD 530 Graphics

Intel Core i5-6600K testing with a MSI Z170A GAMING PRO (MS-7984) v1.0 and Intel HD 530 (Skylake GT2) 3072MB on Ubuntu 17.04 via the Phoronix Test Suite.

Automated Executive Summary

Ubuntu 17.04 - Mesa 17.2-dev had the most wins, coming in first place for 46% of the tests.

Based on the geometric mean of all complete results, the fastest (Ubuntu 17.04 - Linux 4.10 + Mesa 17.0) was 1.01x the speed of the slowest (Ubuntu 17.04 - Mesa 17.2-dev). Ubuntu 17.04 - Linux 4.12 + Mesa 17.2-dev was 0.995x the speed of Ubuntu 17.04 - Linux 4.10 + Mesa 17.0 and Ubuntu 17.04 - Mesa 17.2-dev was 0.995x the speed of Ubuntu 17.04 - Linux 4.12 + Mesa 17.2-dev.

Test Systems:

Ubuntu 17.04 - Linux 4.10 + Mesa 17.0

Processor: Intel Core i5-6600K @ 3.90GHz (4 Cores), Motherboard: MSI Z170A GAMING PRO (MS-7984) v1.0,

Chipset: Intel Skylake, Memory: 15360MB, Disk: 256GB TS256GSSD370S, Graphics: Intel HD 530 (Skylake GT2) 3072MB (1150MHz), Audio: Realtek ALC1150, Monitor: DELL P2415Q, Network: Intel Connection

OS: Ubuntu 17.04, Kernel: 4.10.0-21-generic (x86_64), Desktop: Unity 7.5.0, Display Server: X Server 1.19.3, Display Driver: modesetting 1.19.3, OpenGL: 4.5 Mesa 17.0.3, Vulkan: 1.0.42, Compiler: GCC 6.3.0 20170406, File-System: ext4, Screen Resolution: 1920x1080

Processor Notes: Scaling Governor: intel_pstate powersave

Ubuntu 17.04 - Mesa 17.2-dev

Processor: Intel Core i5-6600K @ 3.90GHz (4 Cores), Motherboard: MSI Z170A GAMING PRO (MS-7984) v1.0, Chipset: Intel Skylake, Memory: 15360MB, Disk: 256GB TS256GSSD370S, Graphics: Intel HD 530 (Skylake GT2) 3072MB (1150MHz), Audio: Realtek ALC1150, Monitor: DELL P2415Q, Network: Intel Connection

OS: Ubuntu 17.04, Kernel: 4.10.0-21-generic (x86_64), Desktop: Unity 7.5.0, Display Server: X Server 1.19.3, Display Driver: modesetting 1.19.3, OpenGL: 4.5 Mesa 17.2.0-devel- padoka PPA, Vulkan: 1.0.42, Compiler: GCC 6.3.0 20170406, File-System: ext4, Screen Resolution: 1920x1080

Processor Notes: Scaling Governor: intel_pstate powersave

Ubuntu 17.04 - Linux 4.12 + Mesa 17.2-dev

Processor: Intel Core i5-6600K @ 3.90GHz (4 Cores), Motherboard: MSI Z170A GAMING PRO (MS-7984) v1.0, Chipset: Intel Skylake, Memory: 15360MB, Disk: 256GB TS256GSSD370S, Graphics: Intel HD 530 (Skylake GT2) 3072MB (1150MHz), Audio: Realtek ALC1150, Monitor: DELL P2415Q, Network: Intel Connection

OS: Ubuntu 17.04, Kernel: 4.12.0-999-generic (x86_64) 20170530, Desktop: Unity 7.5.0, Display Server: X Server 1.19.3, Display Driver: modesetting 1.19.3, OpenGL: 4.5 Mesa 17.2.0-devel- padoka PPA, Vulkan: 1.0.42, Compiler: GCC 6.3.0 20170406, File-System: ext4, Screen Resolution: 1920x1080

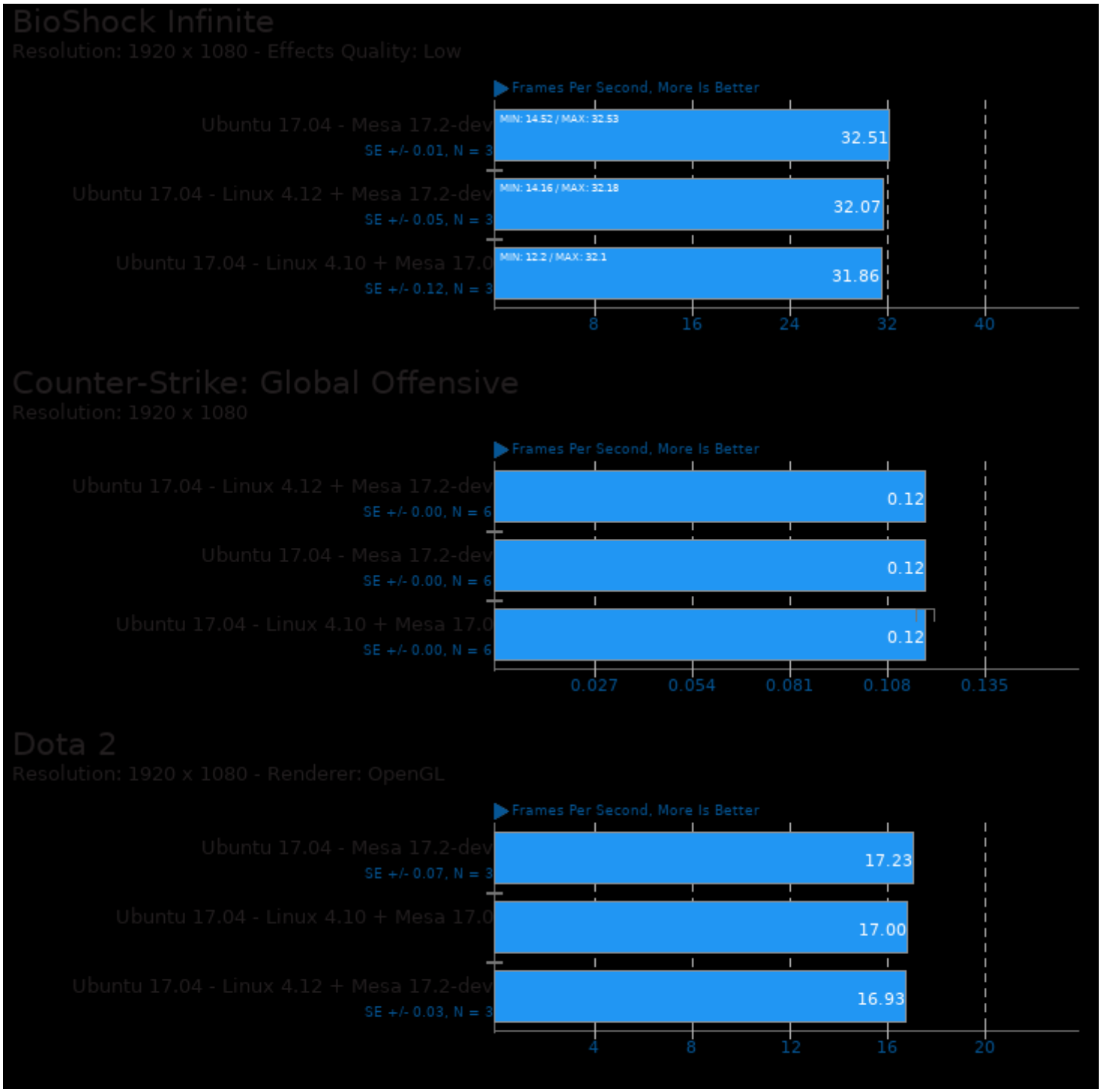
Processor Notes: Scaling Governor: intel_pstate powersave

	Ubuntu 17.04 - Linux 4.10 + Mesa 17.0	Ubuntu 17.04 - Mesa 17.2-dev	Ubuntu 17.04 - Linux 4.12 + Mesa 17.2-dev
BioShock Infinite - 1920 x 1080 - Low (FPS)	**31.86**	**32.51**	32.07
Normalized	98%	100%	98.65%
Standard Deviation	0.7%	0.1%	0.3%
Counter-Strike: Global Offensive - 1920 x 1080 (FPS)	0.12	0.12	0.12
Standard Deviation	5.3%	3.4%	3.4%
Dota 2 - 1920 x 1080 - OpenGL (FPS)	17	**17.23**	**16.93**
Normalized	98.67%	100%	98.26%
Standard Deviation		0.7%	0.3%
Dota 2 - 1920 x 1080 - Vulkan (FPS)	**17.37**	17.43	**17.53**
Normalized	99.09%	99.43%	100%
Standard Deviation	0.3%	0.7%	0.3%

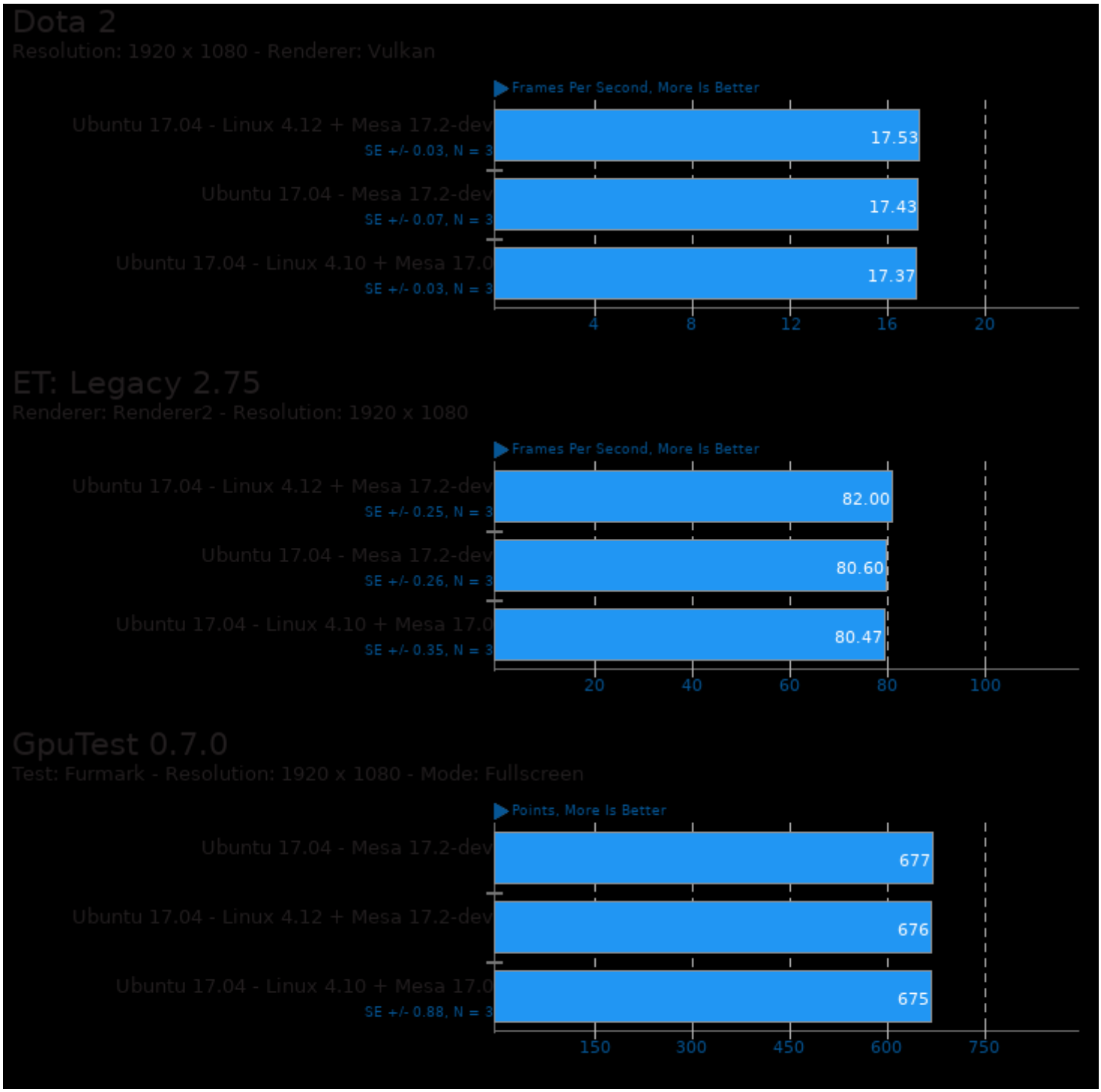
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ET: Legacy - Renderer2 - 1920 x 1080 (FPS)	**80.47**	80.60	**82.00**
Normalized	98.13%	98.29%	100%
Standard Deviation	0.7%	0.6%	0.5%
GpuTest - Furmark - 1920 x 1080 - Fullscreen (Points)	**675**	**677**	676
Normalized	99.7%	100%	99.85%
Standard Deviation	0.2%		
GpuTest - Triangle - 1920 x 1080 - Fullscreen (Points)	**23733**	23681	**23377**
Normalized	100%	99.78%	98.5%
Standard Deviation	0.2%	0.1%	0.1%
Portal - 1920 x 1080 (FPS)	**113.03**	**113.62**	113.20
Normalized	99.48%	100%	99.63%
Standard Deviation	1%	0.1%	0.1%
Tesseract - 1920 x 1080 (FPS)	**58.95**	**56.96**	57.79
Normalized	100%	96.62%	98.03%
Standard Deviation	0.3%	1.3%	0.5%
The Talos Principle - OpenGL - 1920 x 1080 (FPS)	**7.65**	**4.68**	4.83
Normalized	100%	61.18%	63.14%
Standard Deviation	106%	10.8%	11%
The Talos Principle - Vulkan - 1920 x 1080 (FPS)	**9.67**	13.60	**14.37**
Normalized	67.29%	94.64%	100%
Standard Deviation	4%	3.2%	2.6%
Xonotic - 1920 x 1080 - High (FPS)	108.52	**109.07**	**108.36**
Normalized	99.5%	100%	99.35%
Standard Deviation	0%	0.1%	0%
Xonotic - 1920 x 1080 - Ultra (FPS)	88.34	**88.82**	**88.30**
Normalized	99.46%	100%	99.41%
Standard Deviation	0.2%	0.2%	0%

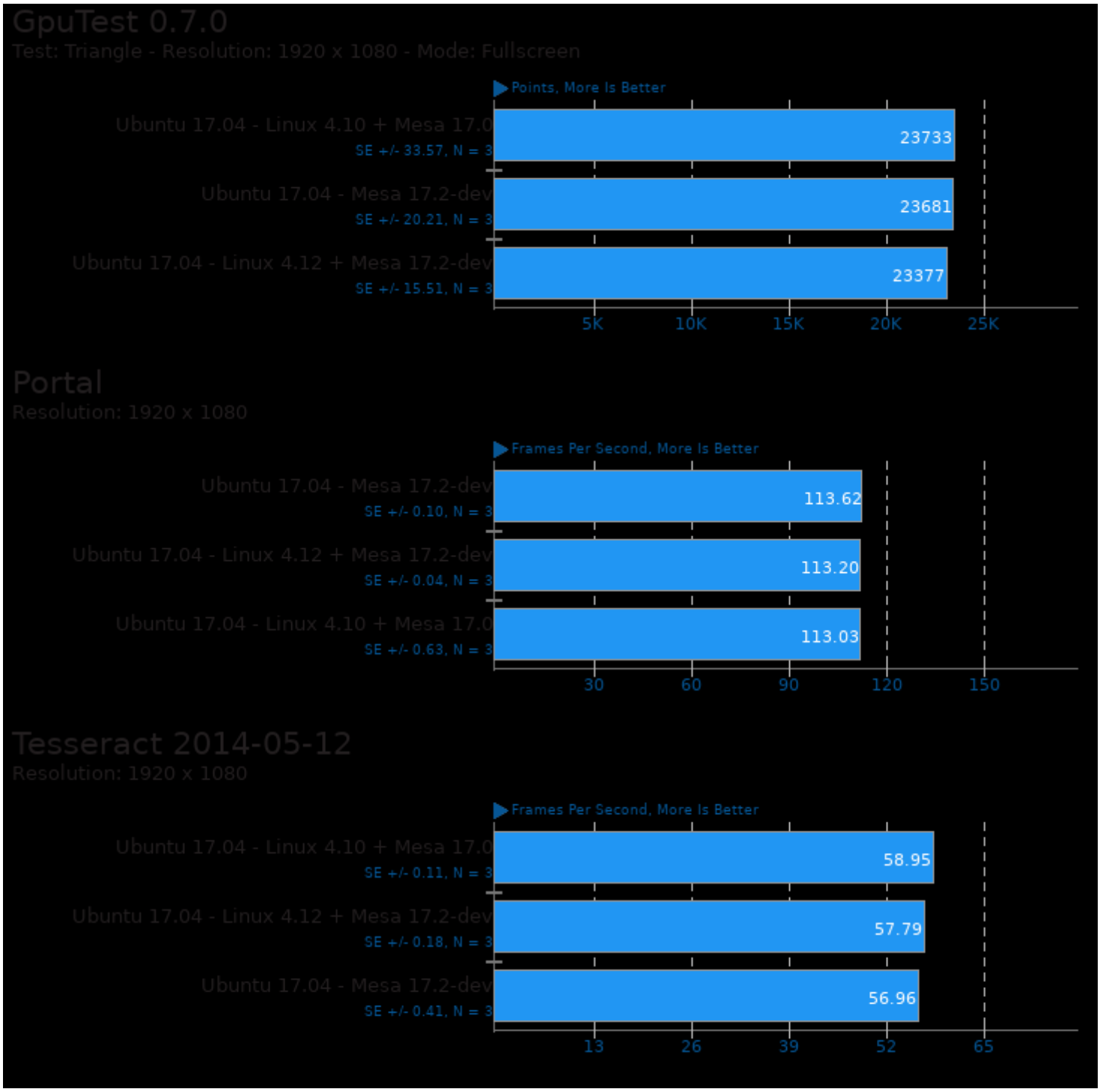
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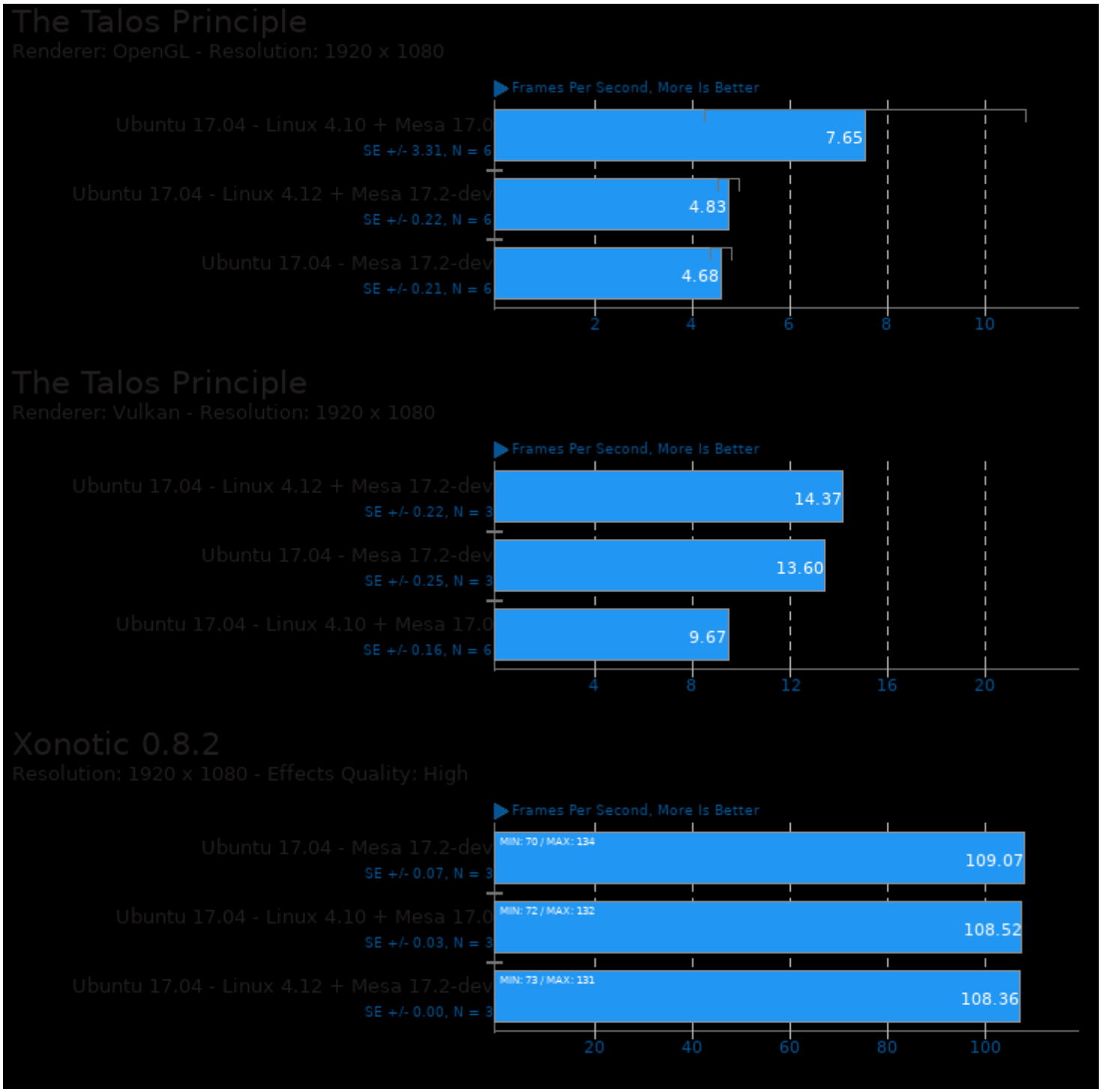
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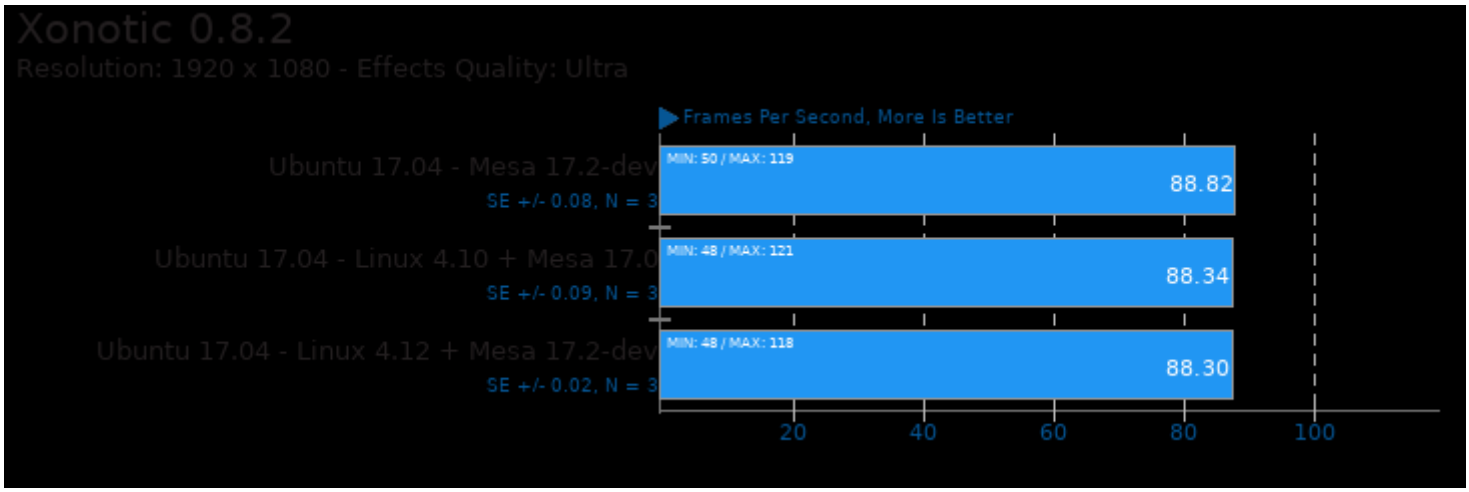
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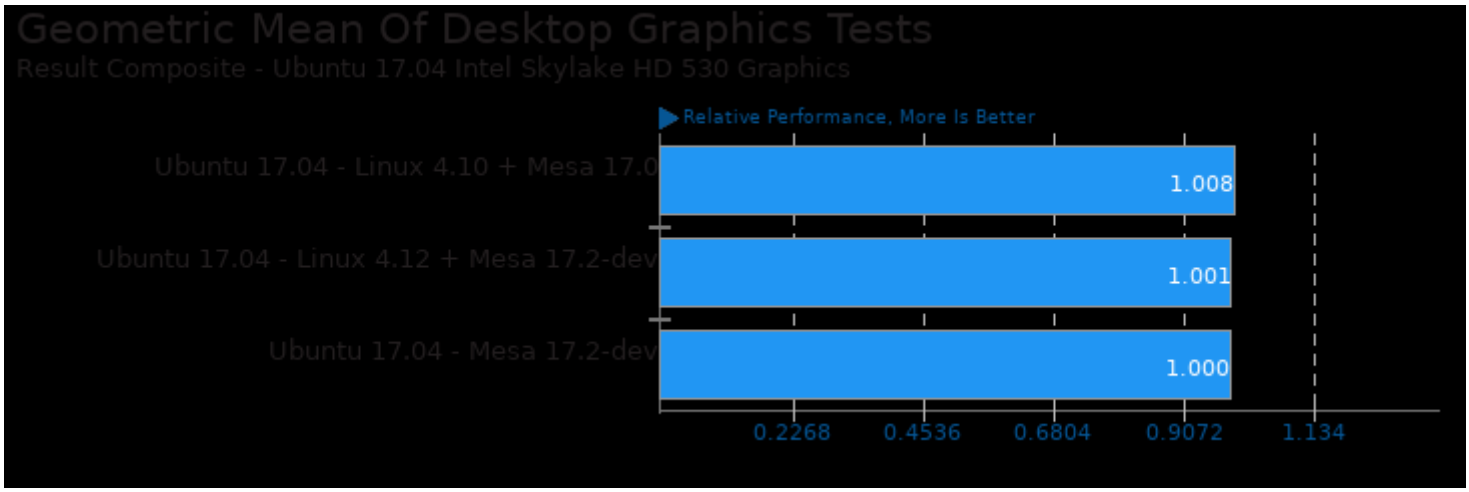


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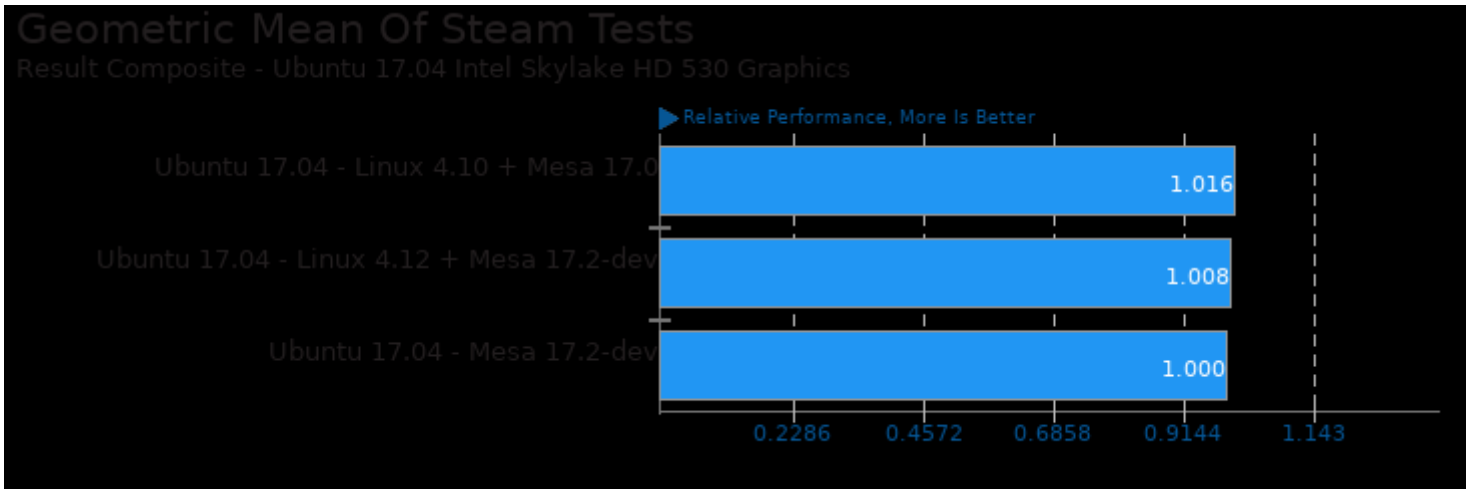


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These geometric means are based upon test groupings / test suites for this result file.



Geometric mean based upon tests: pts/xonotic and pts/tesseract



Geometric mean based upon tests: pts/bioshock-infinite, pts/csgo, pts/dota2, pts/portal and pts/talos-principle

This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 07:28.