

www.phoronix-test-suite.com

DRI2 DRI3 Ubuntu 16.04 R600g

Intel Xeon E5-2687W v3 testing with a MSI X99S SLI PLUS (MS-7885) v1.0 and AMD FirePro V7900 2048MB on Ubuntu 16.04 via the Phoronix Test Suite.

Automated Executive Summary

DRI3 had the most wins, coming in first place for 91% of the tests.

Based on the geometric mean of all complete results, the fastest (DRI3) was 1.051x the speed of the slowest (DRI2).

Test Systems:

DRI2

DRI3

Processor: Intel Xeon E5-2687W v3 @ 3.50GHz (20 Cores), Motherboard: MSI X99S SLI PLUS (MS-7885) v1.0, Chipset: Intel Xeon E7 v3/Xeon, Memory: 16384MB, Disk: PNY CS1211 120GB + 80GB INTEL SSDSCKGW08,

DRI2 DRI3 Ubuntu 16.04 R600g

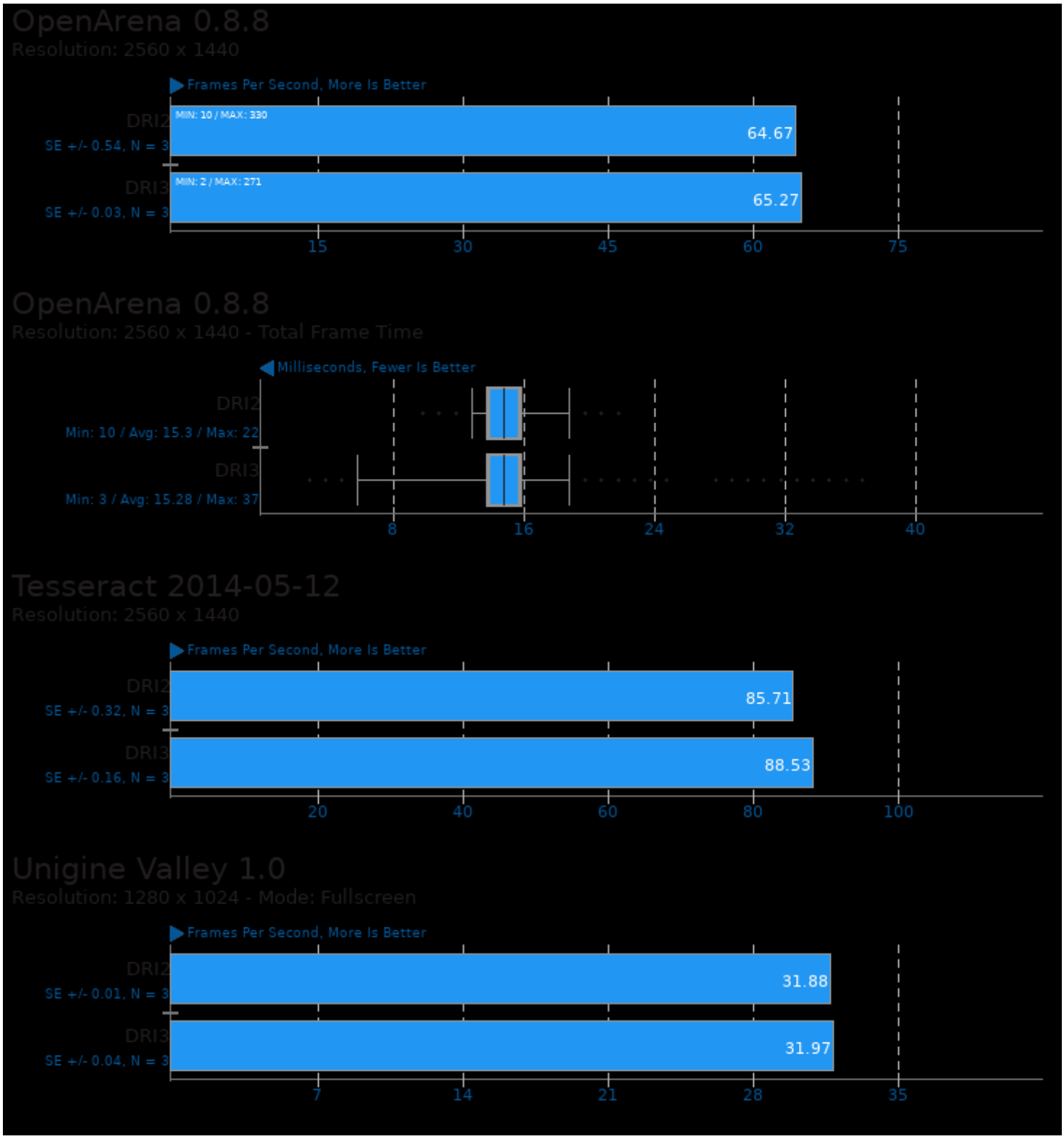
Graphics: AMD FirePro V7900 2048MB, Audio: Realtek ALC892, Monitor: ASUS PB278, Network: Intel Connection

OS: Ubuntu 16.04, Kernel: 4.4.0-21-generic (x86_64), Desktop: Unity 7.4.0, Display Server: X Server 1.18.3, OpenGL: 4.1 Mesa 11.2.0 Gallium 0.4, Compiler: GCC 5.3.1 20160413, File-System: ext4, Screen Resolution: 2560x1440

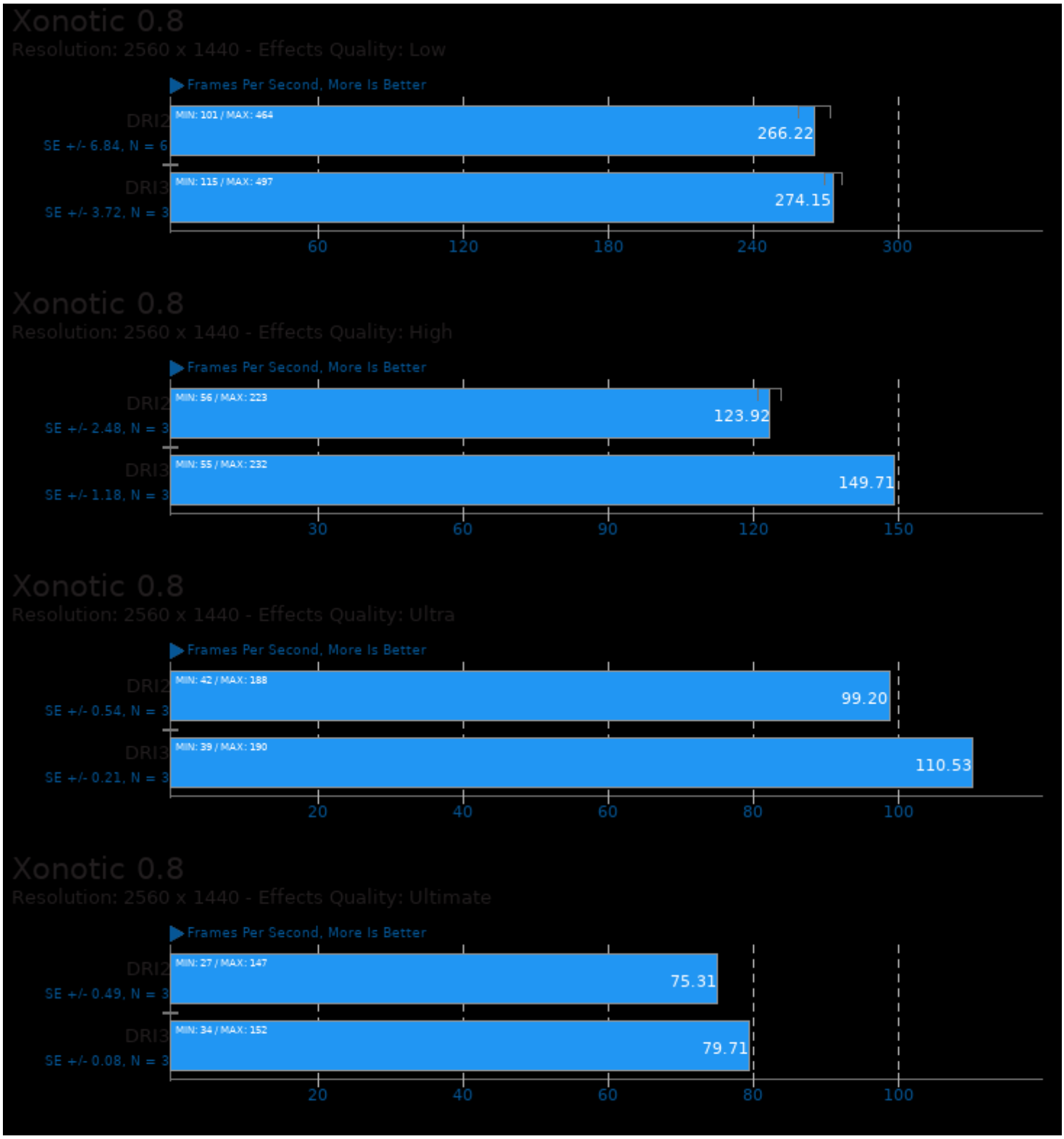
Processor Notes: Scaling Governor: intel_pstate powersave
Graphics Notes: EXA

	DRI2	DRI3
OpenArena - 2560 x 1440 (FPS)	**64.67**	**65.27**
Normalized	99.08%	100%
Standard Deviation	1.4%	0.1%
Tesseract - 2560 x 1440 (FPS)	**85.71**	**88.53**
Normalized	96.81%	100%
Standard Deviation	0.7%	0.3%
Unigine Valley - 1280 x 1024 - Fullscreen (FPS)	**31.88**	**31.97**
Normalized	99.72%	100%
Standard Deviation	0.1%	0.2%
Xonotic - 2560 x 1440 - Low (FPS)	**266.22**	**274.15**
Normalized	97.11%	100%
Standard Deviation	6.3%	2.3%
Xonotic - 2560 x 1440 - High (FPS)	**123.92**	**149.71**
Normalized	82.77%	100%
Standard Deviation	3.5%	1.4%
Xonotic - 2560 x 1440 - Ultra (FPS)	**99.20**	**110.53**
Normalized	89.75%	100%
Standard Deviation	0.9%	0.3%
Xonotic - 2560 x 1440 - Ultimate (FPS)	**75.31**	**79.71**
Normalized	94.48%	100%
Standard Deviation	1.1%	0.2%
GpuTest - Plot3D - 2560 x 1440 - Fullscreen (Points)	**24207**	**24224**
Normalized	99.93%	100%
Standard Deviation	0%	0%
GpuTest - Furmark - 2560 x 1440 - Fullscreen (Points)	**729**	**741**
Normalized	98.38%	100%
Standard Deviation	0.2%	0.1%
GpuTest - Triangle - 2560 x 1440 - Fullscreen (Points)	**81329**	**81295**
Normalized	100%	99.96%
Standard Deviation	0%	0%
GpuTest - Pixmark Piano - 2560 x 1440 - Fullscreen (Points)	**71680**	**82006**
Normalized	87.41%	100%
Standard Deviation	0.7%	0.3%
GpuTest - Pixmark Volplosion - 2560 x 1440 - Fullscreen (Points)	**82032**	**83293**
Normalized	98.49%	100%
Standard Deviation	0.2%	0.3%

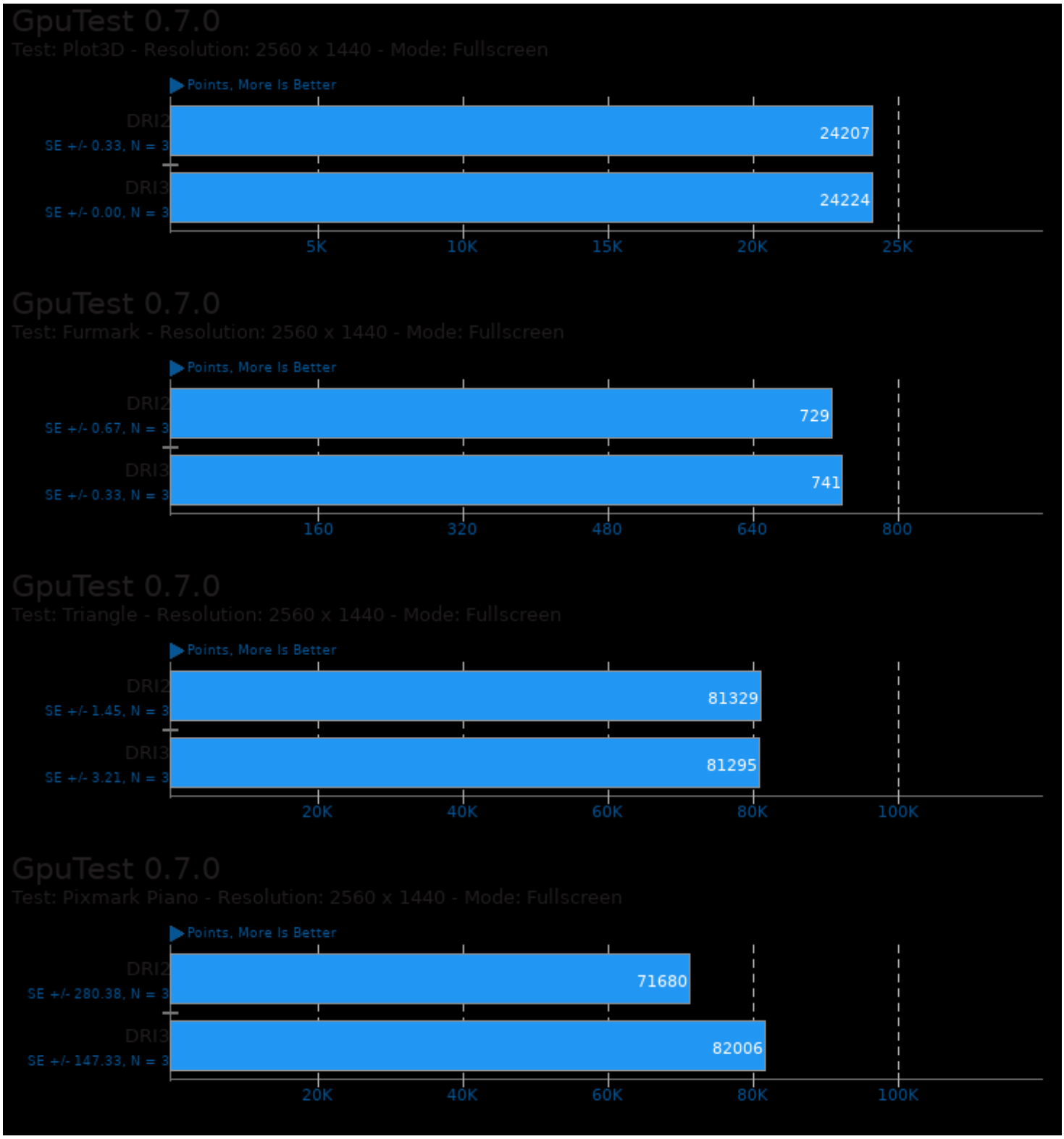
DRI2 DRI3 Ubuntu 16.04 R600g



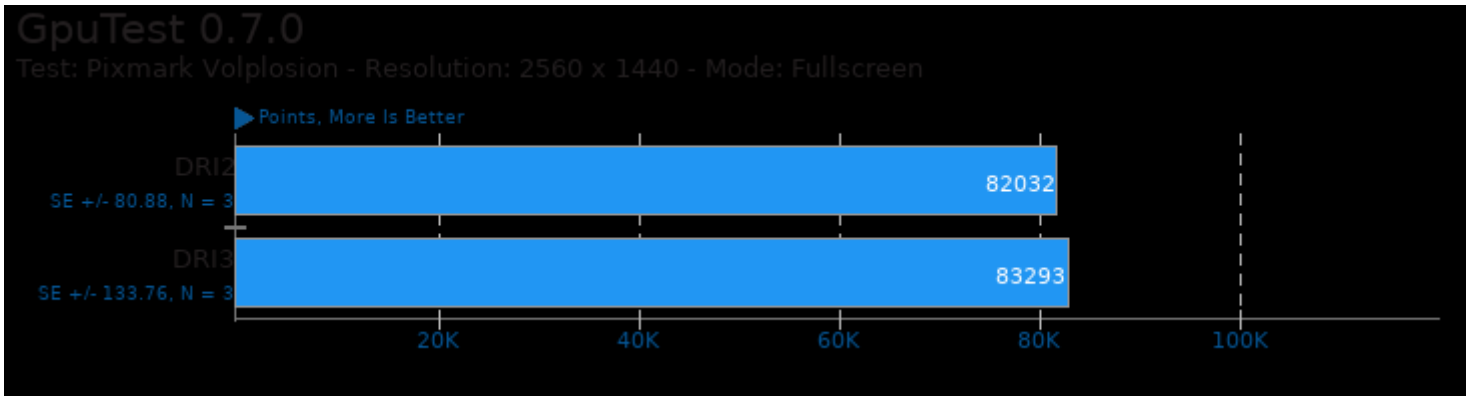
DRI2 DRI3 Ubuntu 16.04 R600g



DRI2 DRI3 Ubuntu 16.04 R600g

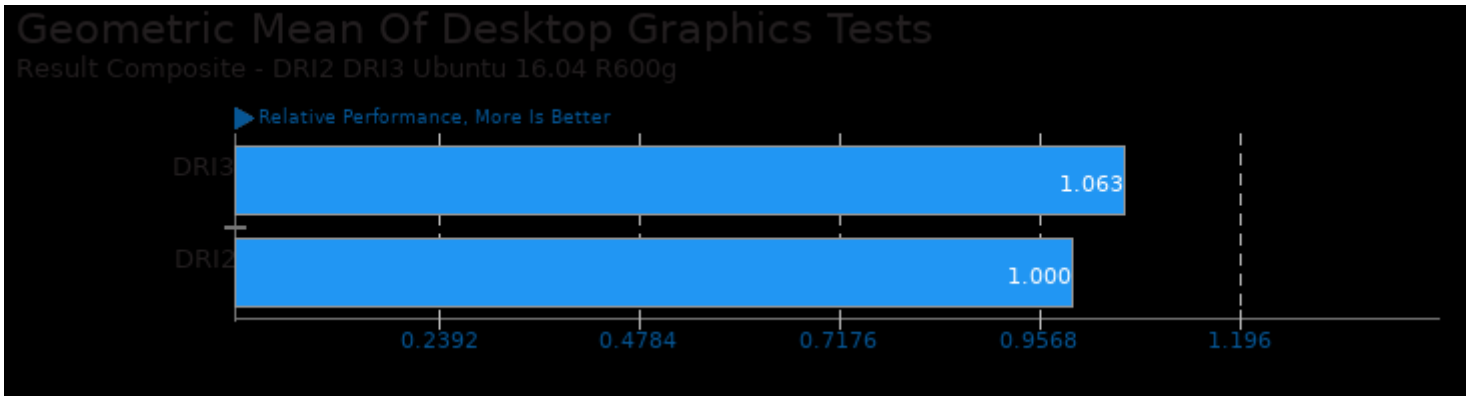


DRI2 DRI3 Ubuntu 16.04 R600g



DRI2 DRI3 Ubuntu 16.04 R600g

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 Thursday, 28 March 2024 20:28.