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Fedora 23 Stock vs. Wayland

Benchmarks by Michael Larabel.

Automated Executive Summary

Fedora 23 had the most wins, coming in first place for 77% of the tests.

Based on the geometric mean of all complete results, the fastest (Fedora 23) was 1.019x the speed of the slowest (Fedora 23 Wayland).

Test Systems:

Fedora 23

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: 80GB INTEL SSDSCKGW08, Graphics: AMD FirePro V7900 2048MB, Audio: Realtek ALC892, Monitor: ASUS PB278, Network: Intel Connection

Fedora 23 Stock vs. Wayland

OS: Fedora 23, Kernel: 4.2.3-300.fc23.x86_64 (x86_64), Desktop: GNOME Shell 3.18.1, OpenGL: 3.3 Mesa 11.0.3 (git-b4bfea0) Gallium 0.4, Compiler: GCC 5.1.1 20150618, File-System: ext4, Screen Resolution: 2560x1440

Compiler Notes: --build=x86_64-redhat-linux --disable-libgcj --disable-libunwind-exceptions --enable-__cxa_atexit --enable-bootstrap --enable-checking=release --enable-gnu-indirect-function --enable-gnu-unique-object --enable-initfini-array --enable-languages=c,c++,objc,obj-c++,fortran,ada,go,lto --enable-libmpx --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-arch_32=i686 --with-isl --with-linker-hash-style=gnu --with-tune=generic
Disk Notes: CFQ / data=ordered,relatime,rw,seclabel
Processor Notes: Scaling Governor: intel_pstate powersave
System Notes: Python 2.7.10. SELinux: Enabled.

Fedora 23 Wayland

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: 80GB INTEL SSDSCKGW08, Graphics: AMD FirePro V7900 2048MB, Audio: Realtek ALC892, Monitor: ASUS PB278, Network: Intel Connection

OS: Fedora 23, Kernel: 4.2.3-300.fc23.x86_64 (x86_64), Desktop: GNOME Shell 3.18.1, Display Server: Wayland, OpenGL: 3.3 Mesa 11.0.3 (git-b4bfea0) Gallium 0.4, Compiler: GCC 5.1.1 20150618, File-System: ext4, Screen Resolution: 2560x1440

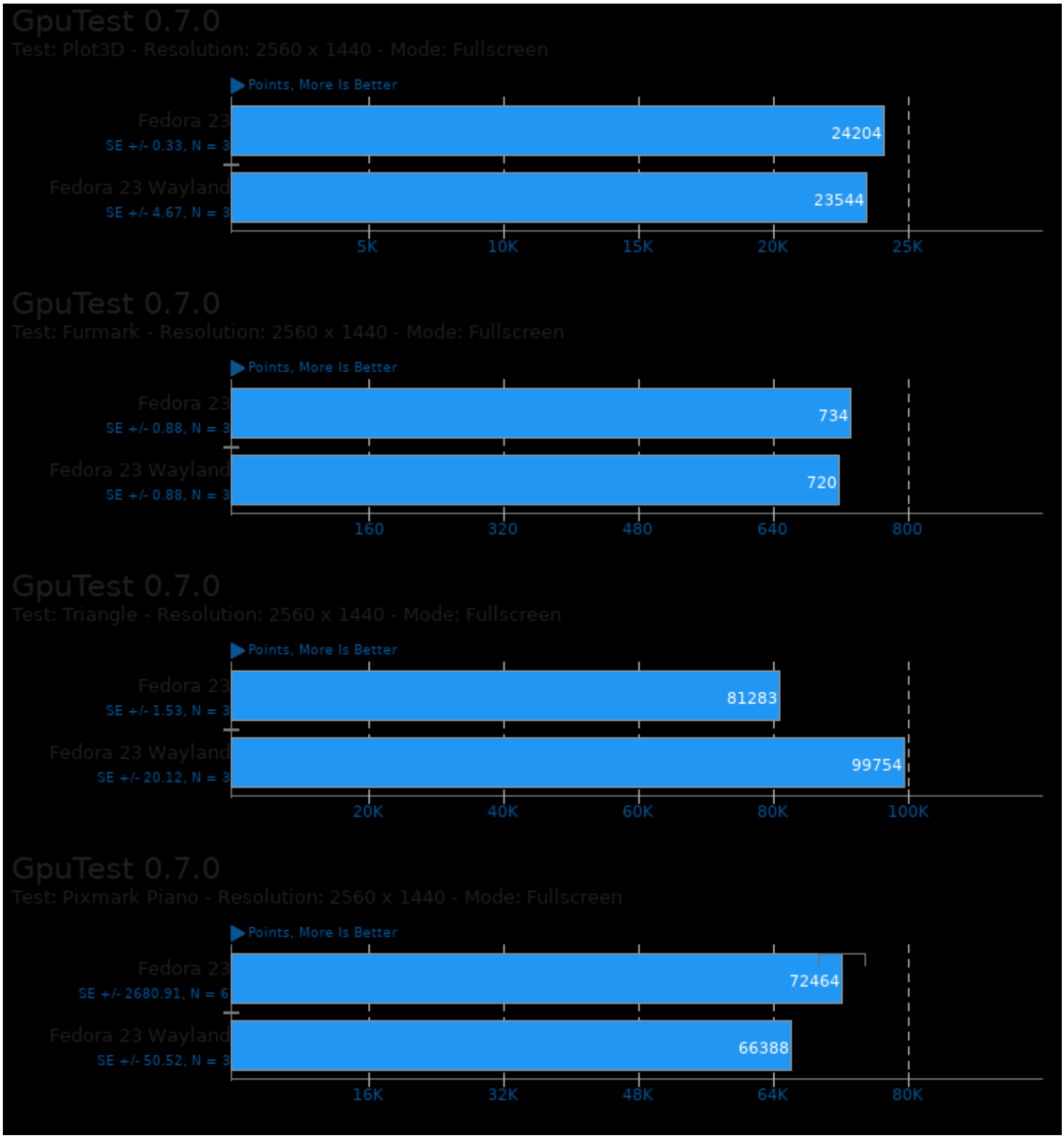
Processor Notes: Scaling Governor: intel_pstate powersave
System Notes: SELinux: Enabled.

	Fedora 23	Fedora 23 Wayland
GpuTest - Plot3D - 2560 x 1440 - Fullscreen (Points)	**24204**	**23544**
Normalized	100%	97.27%
Standard Deviation	0%	0%
GpuTest - Furmark - 2560 x 1440 - Fullscreen (Points)	**734**	**720**
Normalized	100%	98.09%
Standard Deviation	0.2%	0.2%
GpuTest - Triangle - 2560 x 1440 - Fullscreen (Points)	**81283**	**99754**
Normalized	81.48%	100%
Standard Deviation	0%	0%
GpuTest - Pixmark Piano - 2560 x 1440 - Fullscreen (Points)	**72464**	**66388**
Normalized	100%	91.62%
Standard Deviation	9.1%	0.1%
GpuTest - Pixmark Volplosion - 2560 x 1440 - Fullscreen (Points)	**74149**	**73499**
Normalized	100%	99.12%
Standard Deviation	17.3%	0.9%
OpenArena - 2560 x 1440 (FPS)	**63.17**	**54.90**
Normalized	100%	86.91%
Standard Deviation	0.9%	1.7%
Tesseract - 2560 x 1440 (FPS)	**80.80**	**75.18**
Normalized	100%	93.04%
Standard Deviation	0.9%	0.6%
Xonotic - 2560 x 1440 - High (FPS)	**128.44**	**130.18**
Normalized	98.66%	100%
Standard Deviation	0.3%	0.5%
Xonotic - 2560 x 1440 - Ultra (FPS)	**104.24**	**101.27**

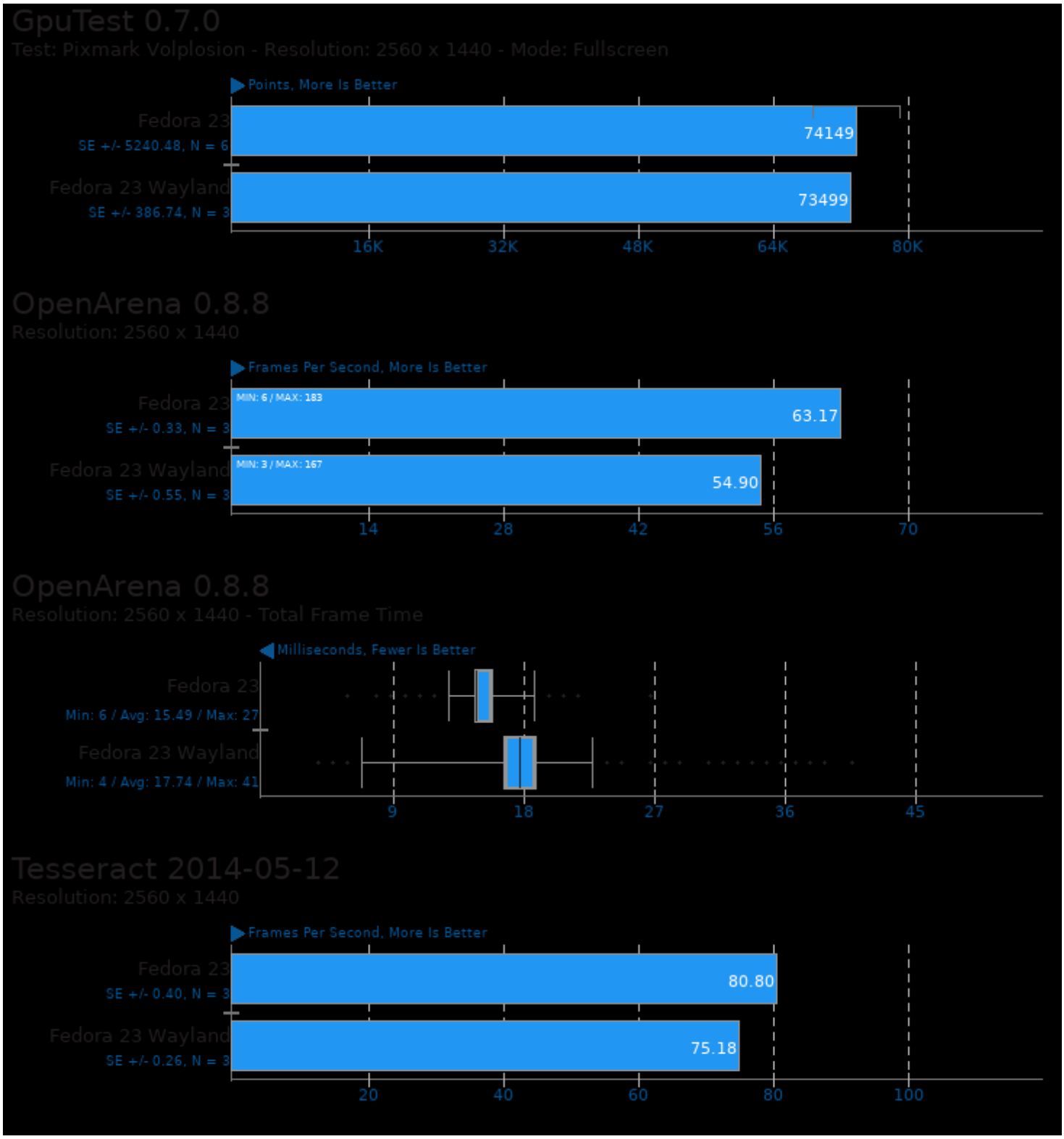
Fedora 23 Stock vs. Wayland

Normalized	100%	97.15%
Standard Deviation	0.1%	0.6%

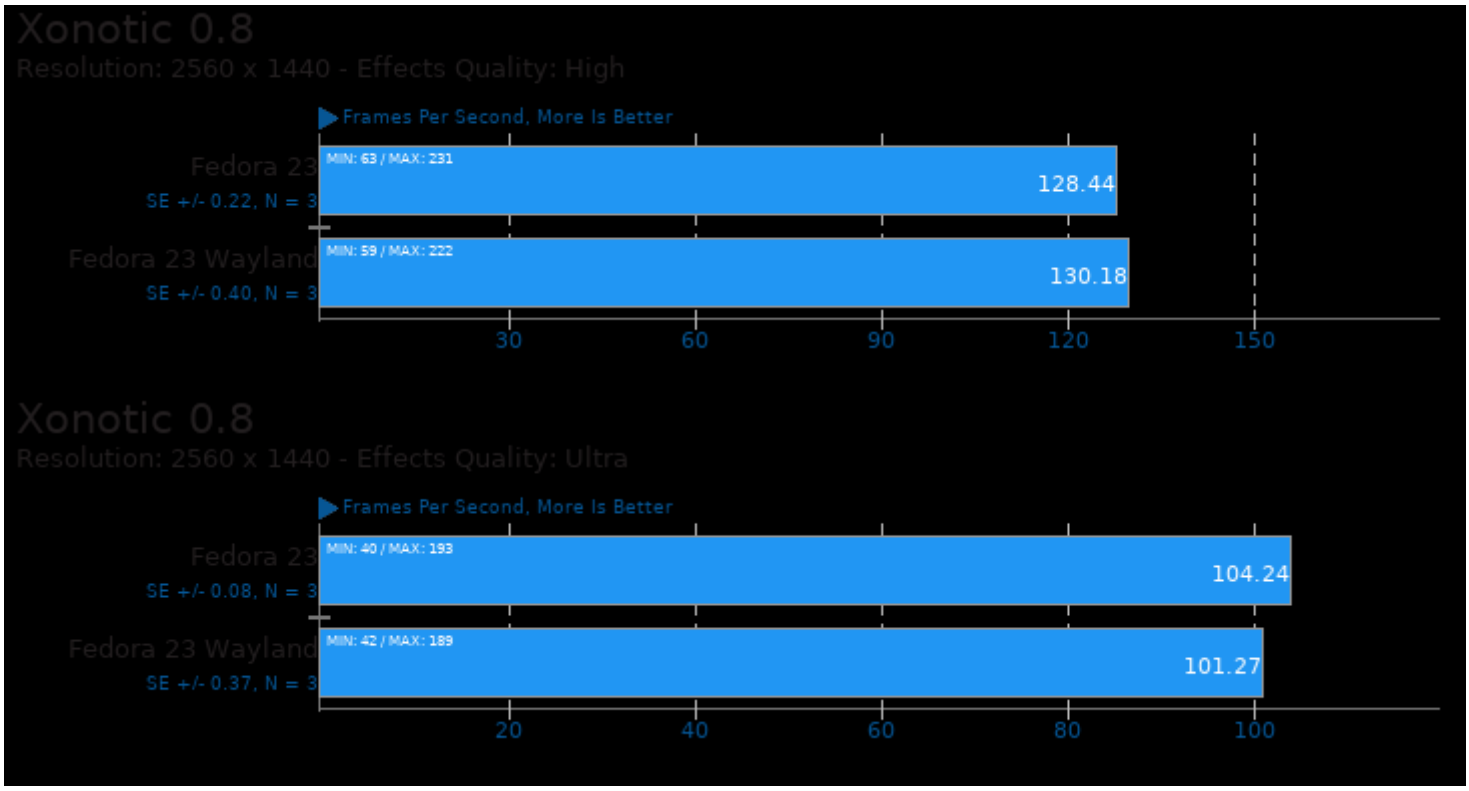
Fedora 23 Stock vs. Wayland



Fedora 23 Stock vs. Wayland

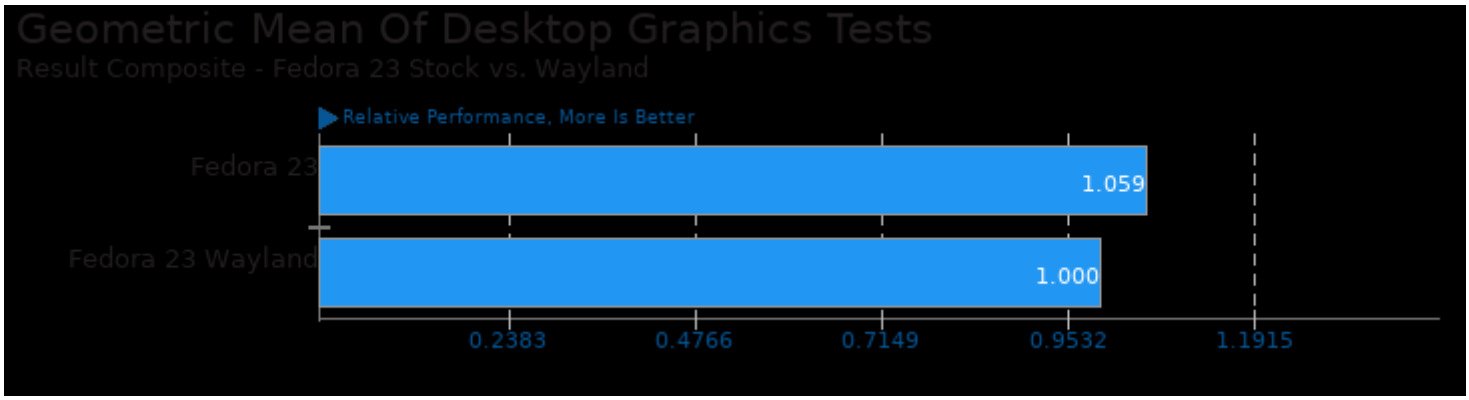


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These geometric means are based upon test groupings / test suites for this result file.



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

This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 04:32.