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keithp glamor

A Graphics comparison via the Phoronix Test Suite.

Automated Executive Summary

6770 exa had the most wins, coming in first place for 37% of the tests.

Based on the geometric mean of all complete results, the fastest (keithp) was 1.027x the speed of the slowest (upstream). 6770 exa was 0.988x the speed of keithp, 6770 glamor was 0.992x the speed of 6770 exa, upstream was 0.993x the speed of 6770 glamor.

Test Systems:

keithp

upstream

Processor: Intel Core i5-3330 @ 3.20GHz (4 Cores), Motherboard: ASRock H61M-ITX, Chipset: Intel Xeon E3-1200

v2/3rd, Memory: 8192MB, Disk: 160GB SAMSUNG HD161HJ + 60GB SPCC Solid State + 320GB SAMSUNG HD321KJ, Graphics: AMD Radeon HD 7790/8770 2048MB (1050/1500MHz), Audio: Intel 6 /C200, Monitor: H225W, Network: Realtek RTL8111/8168/8411

OS: openSUSE 13.1, Kernel: 3.15.0-rc7-24-desktop (x86_64), Desktop: KDE 4.13.0, Display Server: X Server 1.15.99.902 (1.16.0 RC 2), Display Driver: radeon 7.3.99, OpenGL: 3.3 Mesa 10.3.0-devel Gallium 0.4, Compiler: GCC 4.8.1 + Clang 3.5.0 + LLVM 3.5.0svn, File-System: btrfs, Screen Resolution: 1920x1080

Compiler Notes: --build=x86_64-suse-linux --disable-libgcj --disable-libmudflap --disable-libssp --disable-libstdcxx-pch --disable-plugin --enable-__cxa_atexit --enable-checking=release --enable-languages=c,c++,objc,fortran,obj-c++,java,ada --enable-libstdcxx-allocator=new --enable-linux-futex --enable-ssp --enable-version-specific-runtime-libs --mandir=/usr/share/man --with-arch-32=i586 --with-slibdir=/lib64 --with-tune=generic --without-system-libunwind
Processor Notes: Scaling Governor: intel_pstate performance
Graphics Notes: GLAMOR

6770 exa

6770 glamor

Processor: Intel Core i5-3330 @ 3.20GHz (4 Cores), Motherboard: ASRock H61M-ITX, Chipset: Intel Xeon E3-1200 v2/3rd, Memory: 8192MB, Disk: 160GB SAMSUNG HD161HJ + 60GB SPCC Solid State + 320GB SAMSUNG HD321KJ, Graphics: AMD Radeon HD 6770 1024MB (850/1200MHz), Audio: Intel 6 /C200, Monitor: H225W, Network: Realtek RTL8111/8168/8411

OS: openSUSE 13.1, Kernel: 3.15.0-rc7-24-desktop (x86_64), Desktop: KDE 4.13.0, Display Server: X Server 1.15.99.902 (1.16.0 RC 2), Display Driver: radeon 7.3.99, OpenGL: 3.3 Mesa 10.3.0-devel Gallium 0.4, Compiler: GCC 4.8.1 + Clang 3.5.0 + LLVM 3.5.0svn, File-System: btrfs, Screen Resolution: 1920x1080

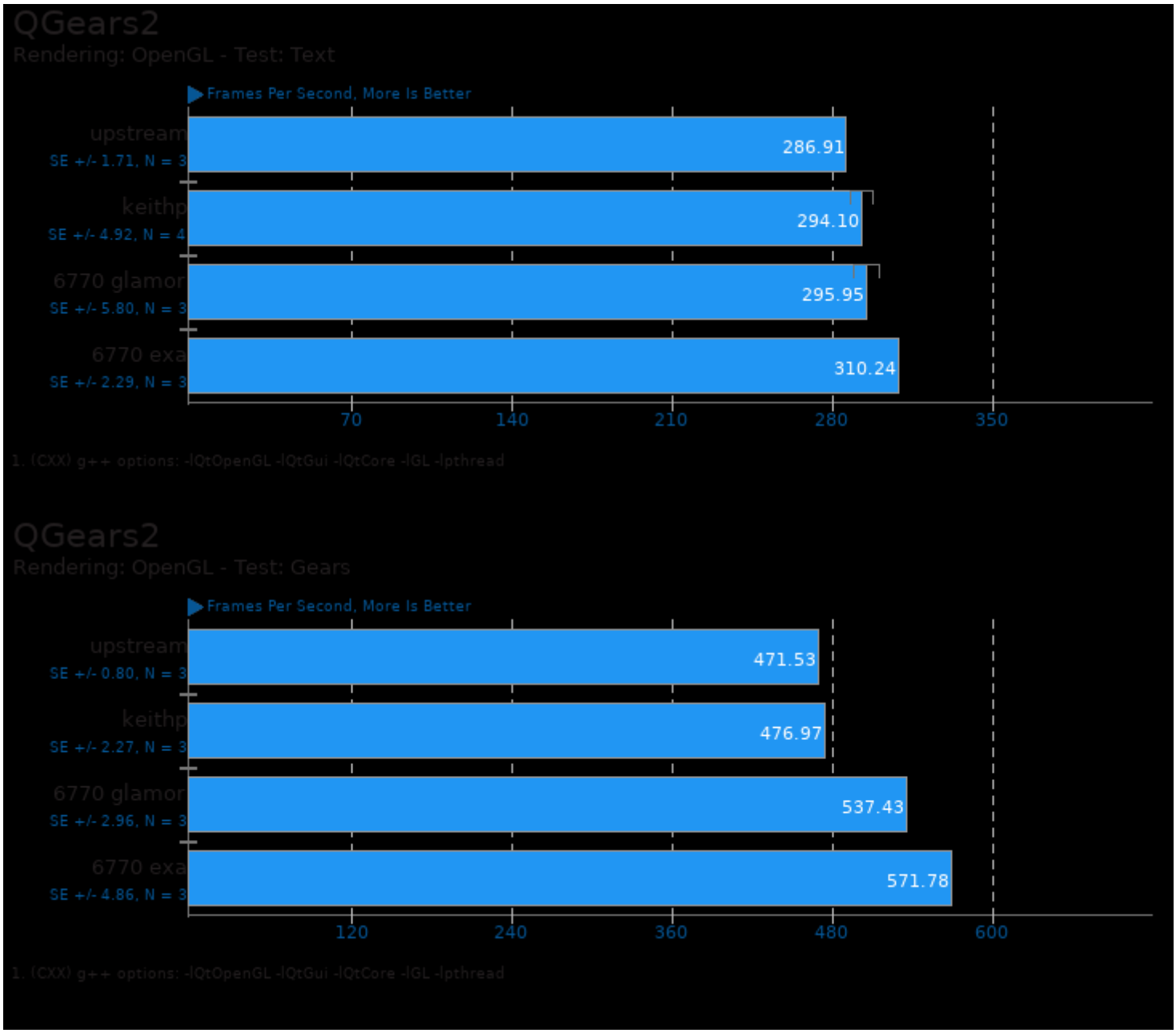
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Graphics Notes: GLAMOR

	keithp	upstream	6770 exa	6770 glamor
QGears2 - OpenGL - Text (FPS)	294.10	**286.91**	**310.24**	295.95
Normalized	94.8%	92.48%	100%	95.39%
Standard Deviation	3.3%	1%	1.3%	3.4%
QGears2 - OpenGL - Gears (FPS)	476.97	**471.53**	**571.78**	537.43
Normalized	83.42%	82.47%	100%	93.99%
Standard Deviation	0.8%	0.3%	1.5%	1%
QGears2 - OpenGL - Image Scaling (FPS)	4708	**4560**	**5903**	5570
Normalized	79.75%	77.25%	100%	94.37%
Standard Deviation	5.8%	4.5%	1.6%	4.5%
QGears2 - XRender Extension - Text (FPS)	187.28	182.75	**182.70**	**188.10**
Normalized	99.56%	97.16%	97.13%	100%
Standard Deviation	0.1%	0.9%	0.6%	0.2%

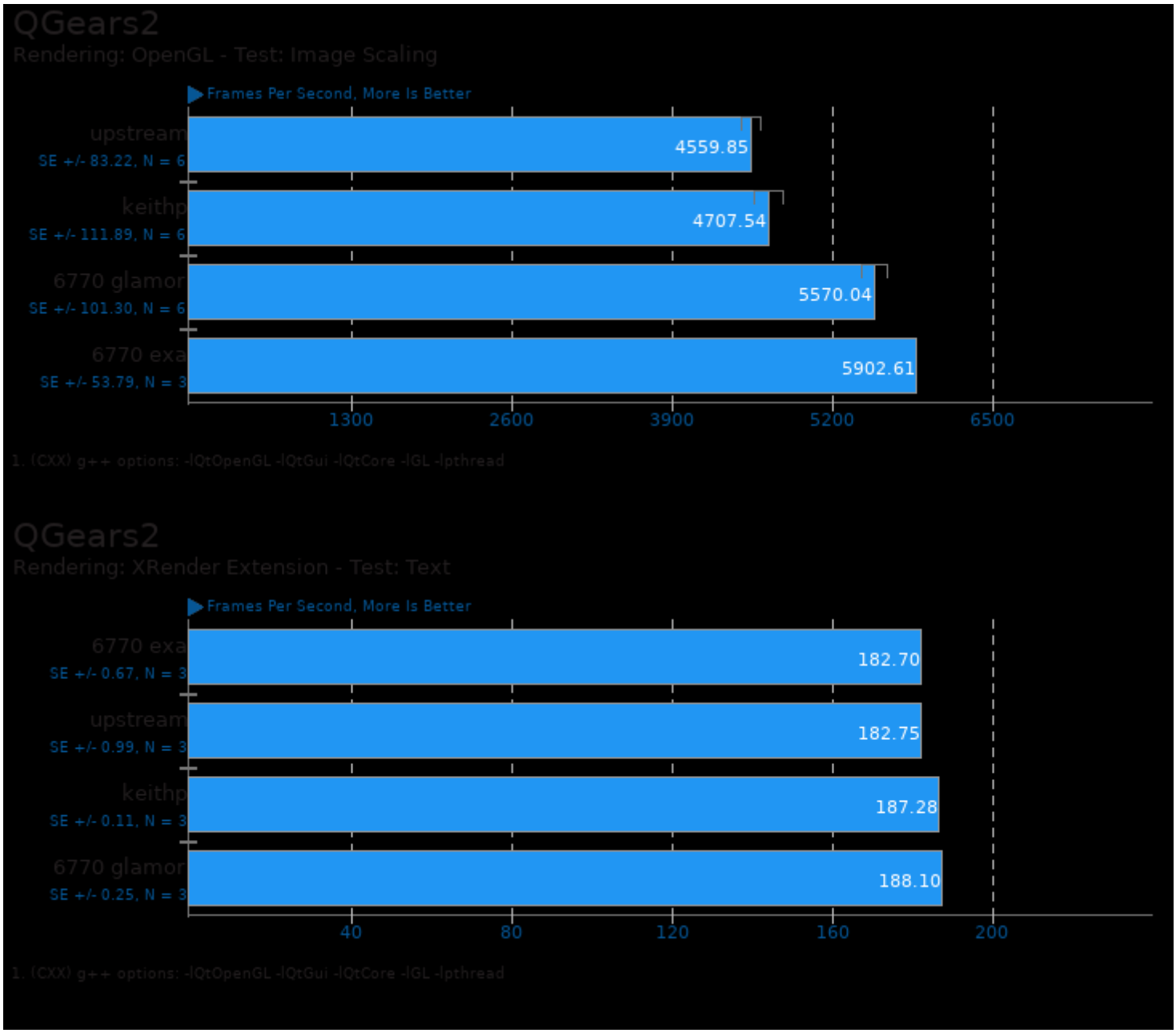
keithp glamor

QGears2 - XRender Extension - Gears (FPS)	166.73	**159.57**	162.45	**168.16**
Normalized	99.15%	94.89%	96.6%	100%
Standard Deviation	3.1%	0.4%	2.8%	3.3%
QGears2 - XRender Extension - Image Scaling (FPS)	**402.08**	**372.93**	379.17	397.34
Normalized	100%	92.75%	94.3%	98.82%
Standard Deviation	3.1%	0.8%	1.3%	0.3%
Lightsmark - 1920 x 1080 (FPS)	**450.10**	449.12	416.59	**412.64**
Normalized	100%	99.78%	92.55%	91.68%
Standard Deviation	0.2%	0.2%	0.1%	0%
GpuTest - Furmark - 1920 x 1080 (Points)	**1677**	1676	**1157**	1158
Normalized	100%	99.94%	68.99%	69.05%
Standard Deviation	0%	0%	0%	0%

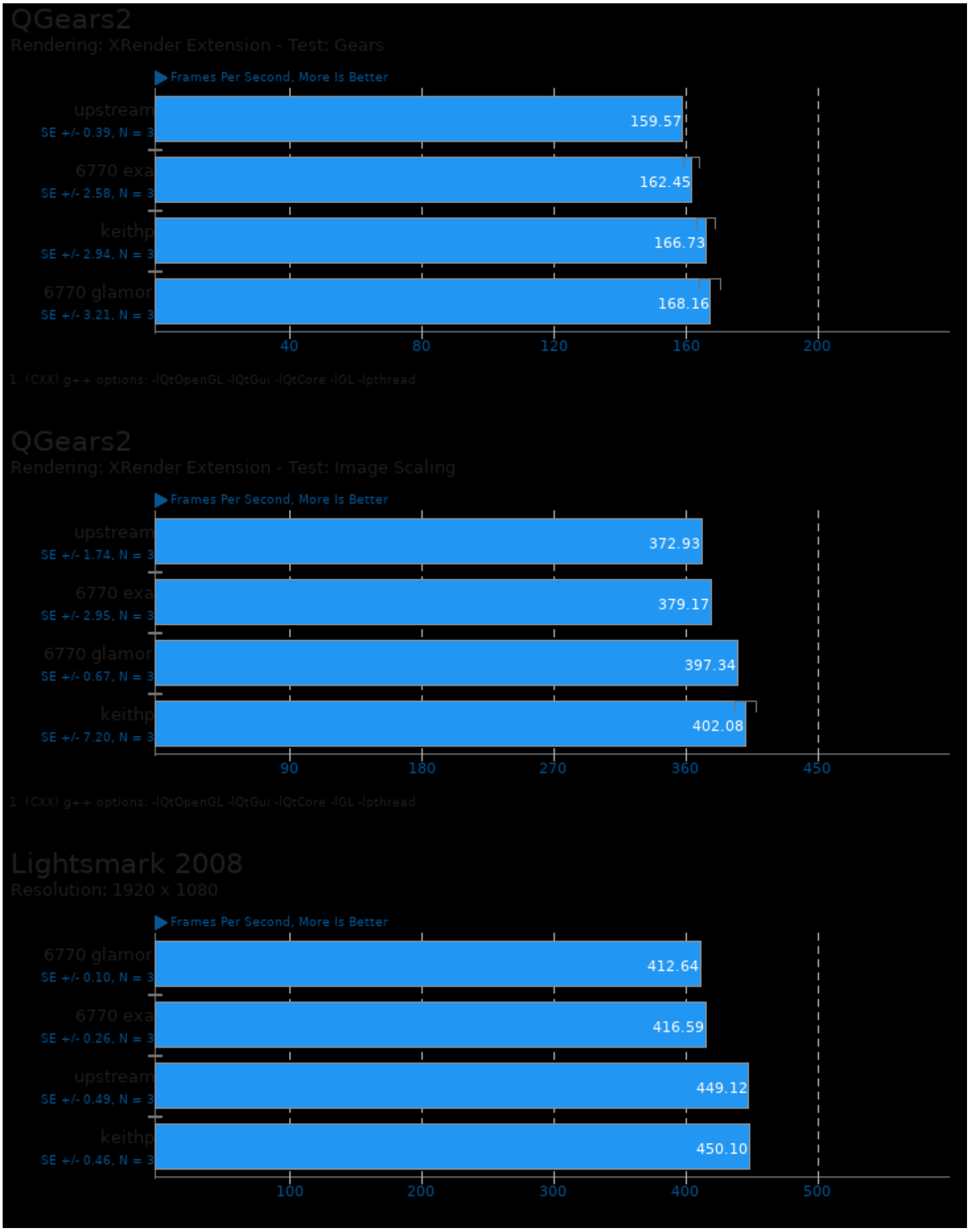
keithp glamor



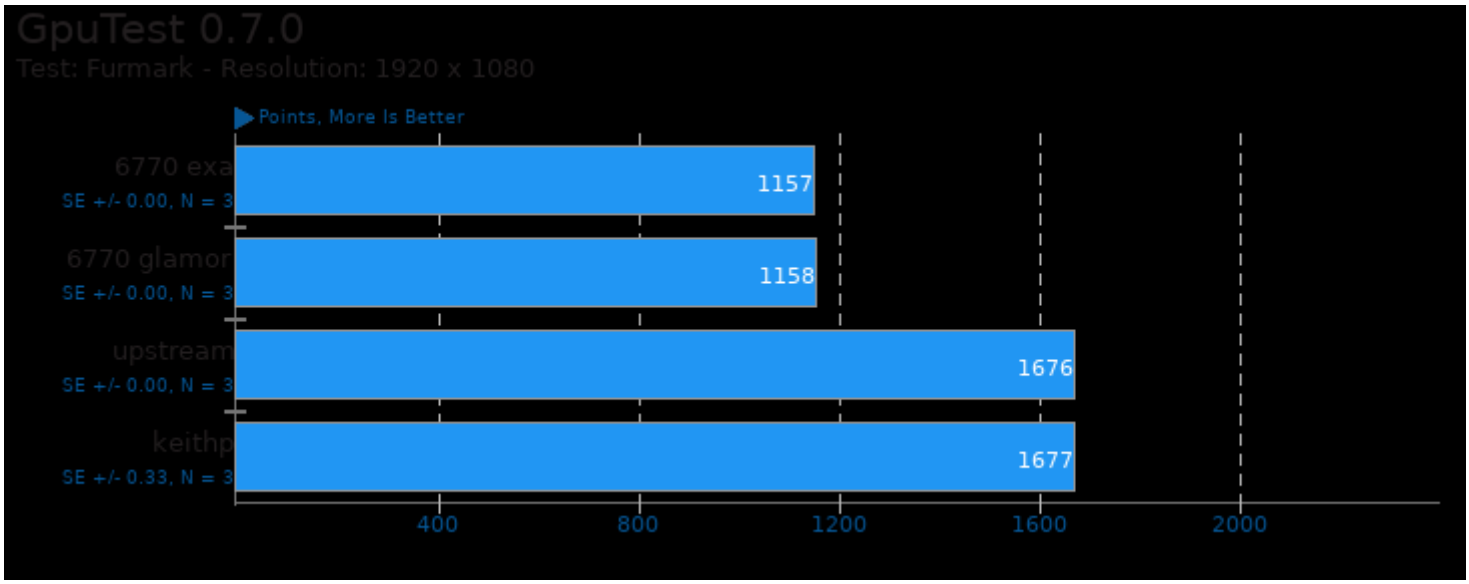
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