

www.phoronix-test-suite.com

Compar

Running pts/gtkperf-1.2.1, pts/qgears2-1.0.1, pts/nexuiz-1.6.0, pts/tremulous-1.1.0, pts/openarena-1.4.0, pts/padman-1.1.0, pts/etqw-demo-1.1.0, pts/lightsmark-1.2.0, pts/unigine-sanctuary-1.5.0, pts/unigine-tropics-1.5.0 via the Phoronix Test Suite.

Automated Executive Summary

2011-08-25 11:30 had the most wins, coming in first place for 93% of the tests.

Based on the geometric mean of all complete results, the fastest (2011-08-25 11:30) was 2.323x the speed of the slowest (GTS450).

The results with the greatest spread from best to worst included:

QGears2 (OpenGL + Image Scaling) at 21.661x
QGears2 (XRender + Image Scaling) at 19.006x
Nexuiz (1360 x 768) at 7.112x
QGears2 (OpenGL + Gears) at 6.464x
QGears2 (XRender + Text) at 5.642x
Unigine Tropics (1360 x 768) at 5.515x
Unigine Sanctuary (1360 x 768) at 4.262x
GtkPerf (GtkRadioButton) at 3.07x

OpenArena (1360 x 768) at 2.973x
World of Padman (1360 x 768) at 2.499x.

Test Systems:

2011-08-25 11:30

Processor: Intel Core i7 X 980 @ 3.33GHz (12 Cores), Motherboard: ASUS P6X58D PREMIUM, Chipset: Intel 5520/5500/X58 + ICH10R, Memory: 3 x 4096 MB 1066MHz, Disk: 400GB Seagate ST3400633AS, Graphics: NVIDIA GeForce GTX 580 1536MB (797/2025MHz), Audio: Realtek ALC889, Network: Marvell 88E8056 PCI-E Gigabit

OS: Debian 6.0.2, Kernel: 2.6.32-5-amd64 (x86_64), Desktop: GNOME 2.30.2, Display Server: X Server 1.7.7, Display Driver: NVIDIA 280.13, OpenGL: 4.1.0 NVIDIA 280.13, Compiler: GCC 4.4.5, File-System: ext3, Screen Resolution: 1360x768

System Notes: Intel SpeedStep was enabled.

GTS450

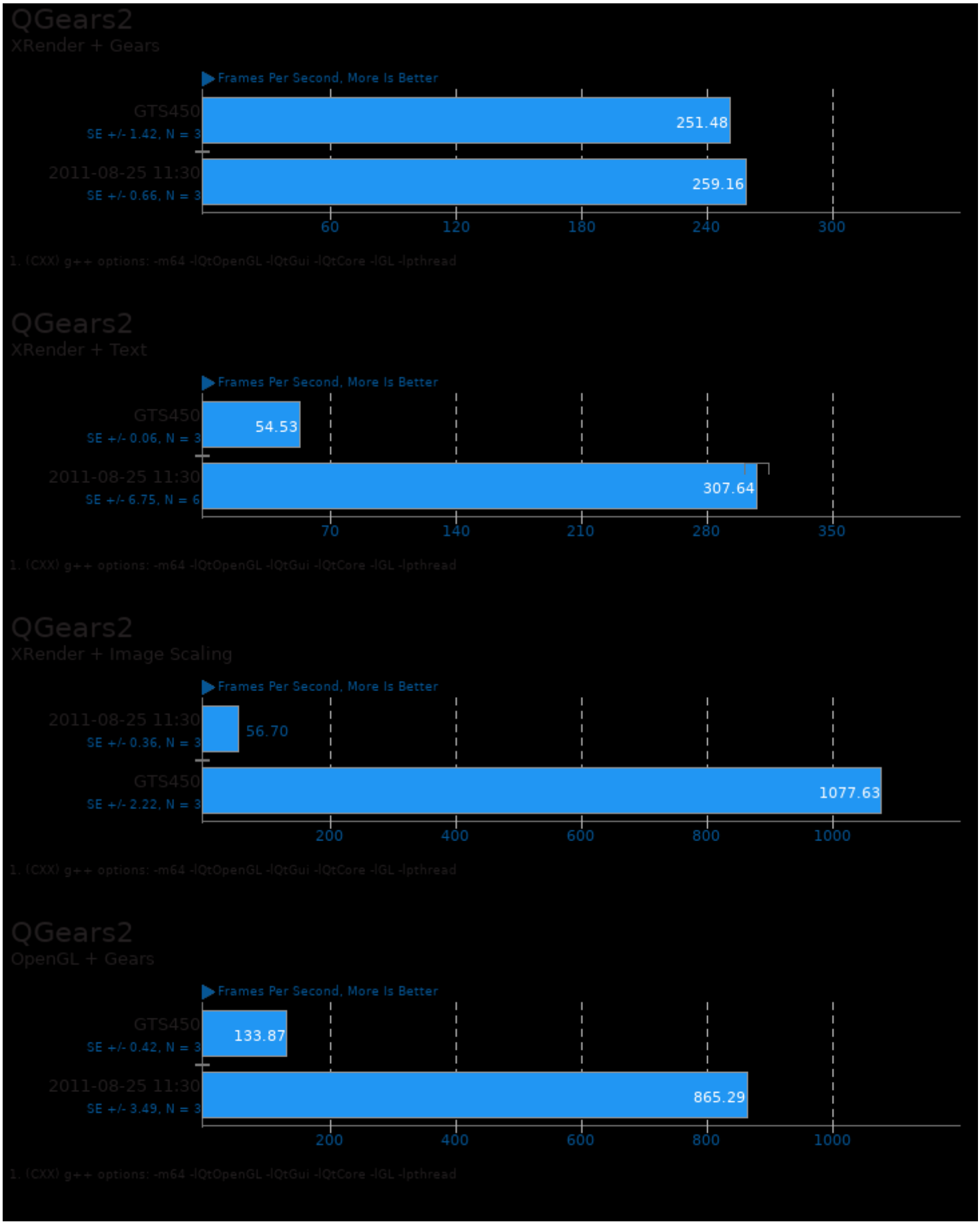
Processor: Intel Pentium G3258 @ 3.20GHz (2 Cores), Motherboard: MSI H81M-P33 (MS-7817) v1.0, Chipset: Intel 4th Gen Core DRAM, Memory: 2 x 8192 MB DDR3-1600MHz, Disk: 320GB Hitachi HDT72103 + 500GB HD-PVRU2, Graphics: NVIDIA GeForce GTS 450 Rev. 2 1024MB, Audio: Realtek ALC887-VD, Monitor: FR2401, Network: Realtek RTL8111/8168/8411

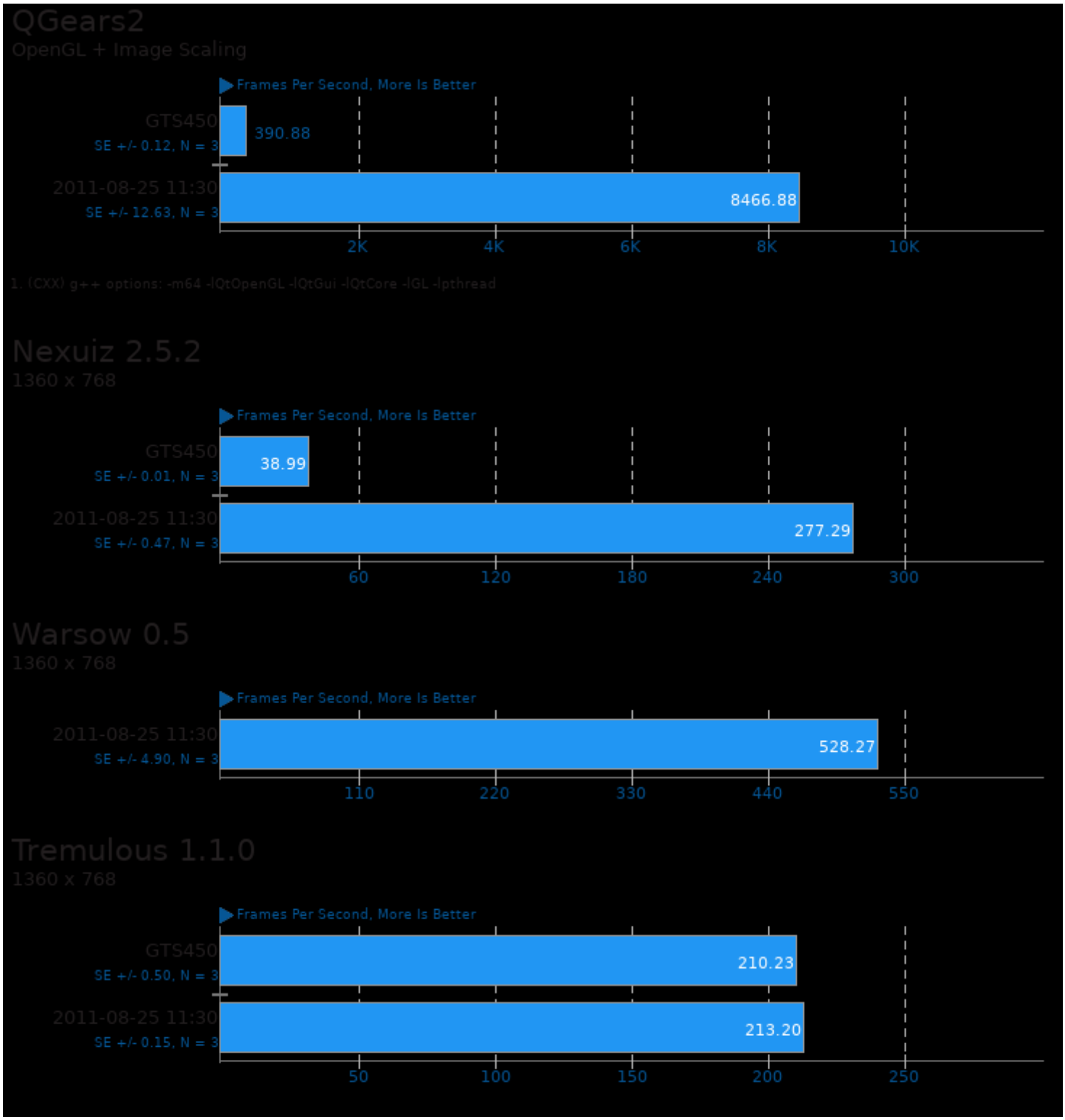
OS: Ubuntu 16.04, Kernel: 4.4.0-22-generic (x86_64), Desktop: Unity 7.4.0, Display Server: X Server 1.18.3, Display Driver: nouveau 1.0.12, OpenGL: 4.1 Mesa 11.2.0 Gallium 0.4, Compiler: GCC 5.3.1 20160413 + CUDA 7.5, File-System: ext4, Screen Resolution: 1920x1080

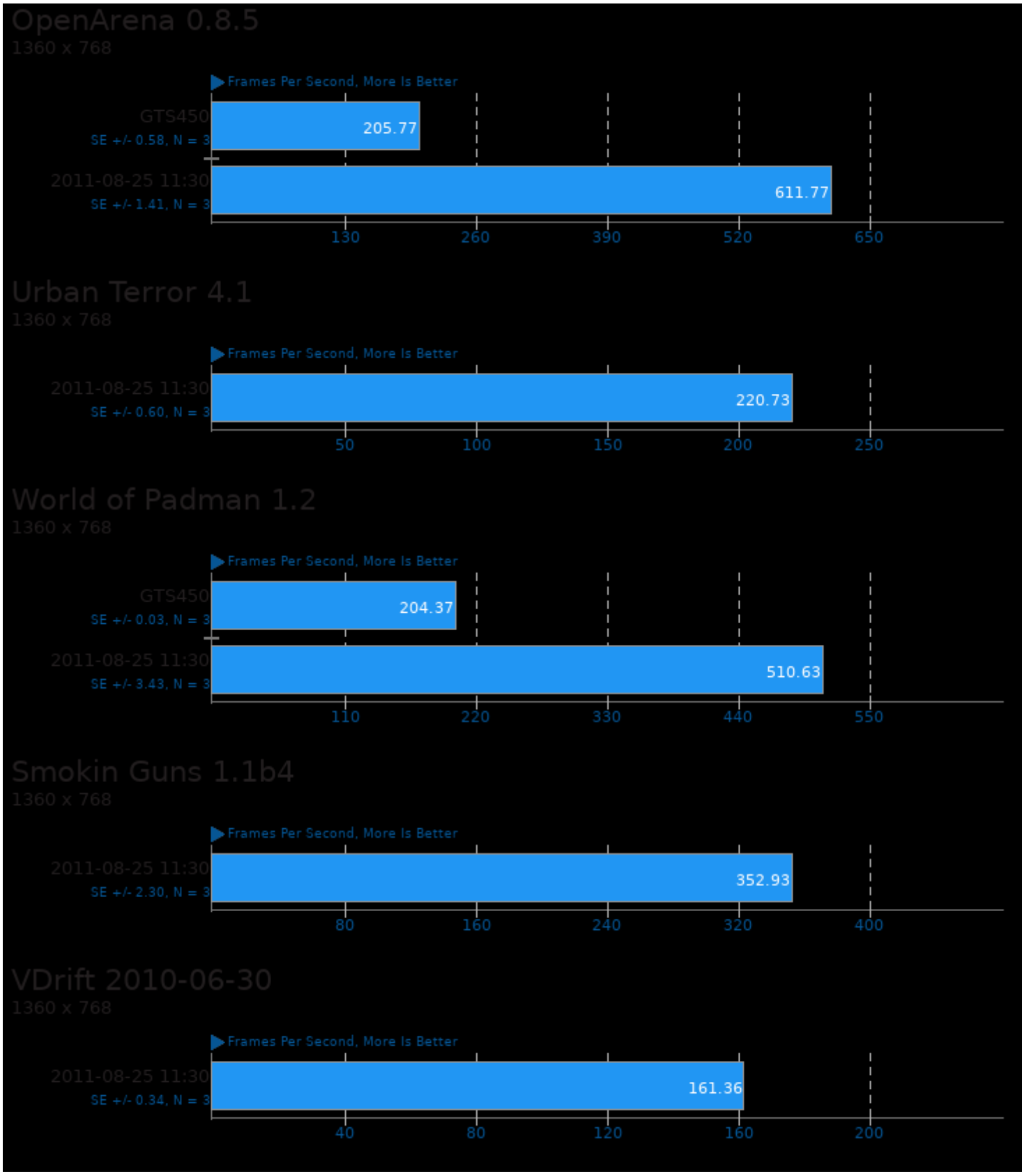
Compiler Notes: --build=x86_64-linux-gnu --disable-browser-plugin --disable-vtable-verify --disable-werror --enable-checking=release --enable-clocale=gnu --enable-gnu-unique-object --enable-gtk-cairo --enable-java-awt=gtk --enable-java-home --enable-languages=c,ada,c++,java,go,d,fortran,objc,obj-c++ --enable-libmpx --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-arch-directory=amd64 --with-default-libstdcxx-abi=new --with-multilib-list=m32,m64,mx32 --with-tune=generic -v
Processor Notes: Scaling Governor: intel_pstate powersave
Graphics Notes: EXA

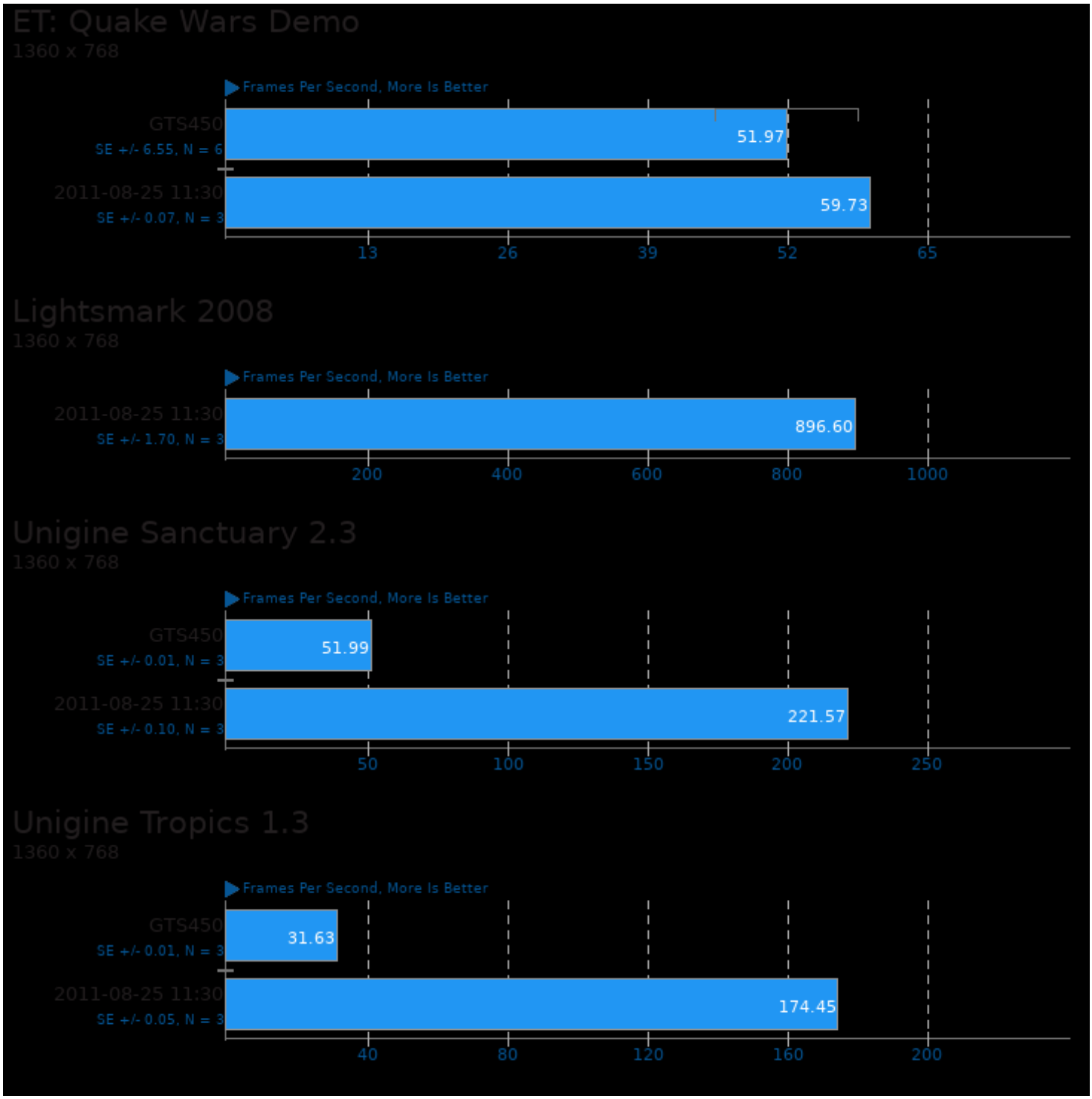
	2011-08-25 11:30	GTS450
QGears2 - XRender + Gears (FPS)	**259.16**	**251.48**
Normalized	100%	97.04%
Standard Deviation	0.4%	1%
QGears2 - XRender + Text (FPS)	**307.64**	**54.53**
Normalized	100%	17.73%
Standard Deviation	5.4%	0.2%
QGears2 - X.I.S (FPS)	**56.70**	**1078**
Normalized	5.26%	100%

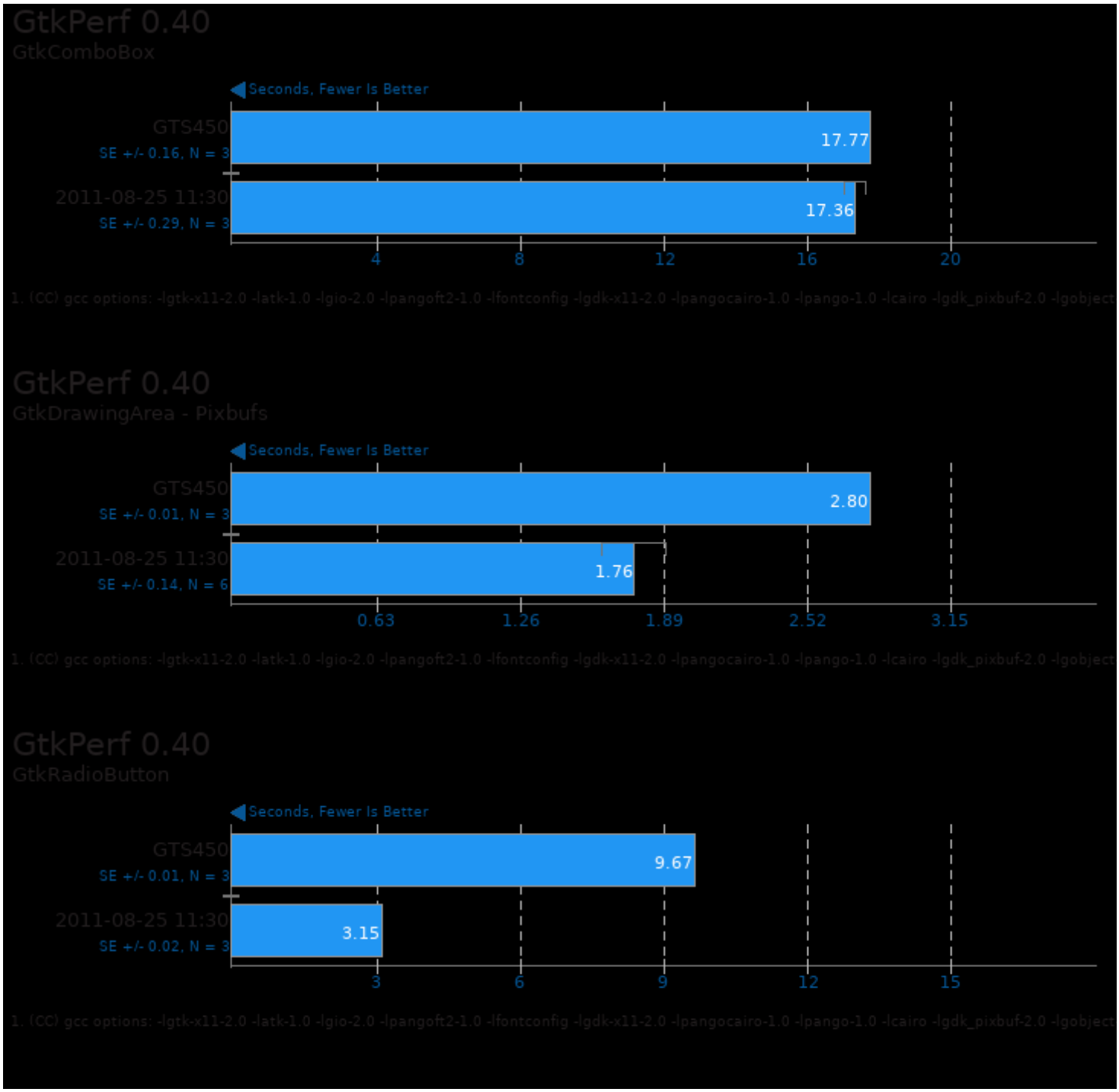
Standard Deviation	1.1%	0.4%
QGears2 - OpenGL + Gears (FPS)	**865.29**	**133.87**
Normalized	100%	15.47%
Standard Deviation	0.7%	0.5%
QGears2 - O.I.S (FPS)	**8467**	**390.88**
Normalized	100%	4.62%
Standard Deviation	0.3%	0.1%
Nexuiz - 1360 x 768 (FPS)	**277.29**	**38.99**
Normalized	100%	14.06%
Standard Deviation	0.3%	0.1%
Warsow - 1360 x 768 (FPS)	528.27	
Standard Deviation	1.6%	
Tremulous - 1360 x 768 (FPS)	**213.20**	**210.23**
Normalized	100%	98.61%
Standard Deviation	0.1%	0.4%
OpenArena - 1360 x 768 (FPS)	**611.77**	**205.77**
Normalized	100%	33.64%
Standard Deviation	0.4%	0.5%
Urban Terror - 1360 x 768 (FPS)	220.73	
Standard Deviation	0.5%	
World of Padman - 1360 x 768 (FPS)	**510.63**	**204.37**
Normalized	100%	40.02%
Standard Deviation	1.2%	0%
Smokin Guns - 1360 x 768 (FPS)	352.93	
Standard Deviation	1.1%	
VDrift - 1360 x 768 (FPS)	161.36	
Standard Deviation	0.4%	
ET: Quake Wars Demo - 1360 x 768 (FPS)	**59.73**	**51.97**
Normalized	100%	87.01%
Standard Deviation	0.2%	30.9%
Lightsmark - 1360 x 768 (FPS)	896.60	
Standard Deviation	0.3%	
Unigine Sanctuary - 1360 x 768 (FPS)	**221.57**	**51.99**
Normalized	100%	23.46%
Standard Deviation	0.1%	0%
Unigine Tropics - 1360 x 768 (FPS)	**174.45**	**31.63**
Normalized	100%	18.13%
Standard Deviation	0.1%	0%
GtkPerf - GtkComboBox (sec)	**17.36**	**17.77**
Normalized	100%	97.69%
Standard Deviation	2.9%	1.5%
GtkPerf - GtkDrawingArea - Pixbufs (sec)	**1.76**	**2.80**
Normalized	100%	62.86%
Standard Deviation	20%	0.7%
GtkPerf - GtkRadioButton (sec)	**3.15**	**9.67**
Normalized	100%	32.57%
Standard Deviation	0.8%	0.2%


QGears2
XRender + Gears
Frames Per Second, More Is Better
GTS450
SE +/- 1.42, N = 3
251.48
2011-08-25 11:30
SE +/- 0.66, N = 3
259.16
60
120
180
240
300
1. (CXX) g++ options: -m64 -lQtOpenGL -lQtGui -lQtCore -lGL -lpthread
QGears2
XRender + Text
Frames Per Second, More Is Better
GTS450
SE +/- 0.06, N = 3
54.53
2011-08-25 11:30
SE +/- 6.75, N = 6
307.64
70
140
210
280
350
1. (CXX) g++ options: -m64 -lQtOpenGL -lQtGui -lQtCore -lGL -lpthread
QGears2
XRender + Image Scaling
Frames Per Second, More Is Better
2011-08-25 11:30
SE +/- 0.36, N = 3
56.70
GTS450
SE +/- 2.22, N = 3
1077.63
200
400
600
800
1000
1. (CXX) g++ options: -m64 -lQtOpenGL -lQtGui -lQtCore -lGL -lpthread
QGears2
OpenGL + Gears
Frames Per Second, More Is Better
GTS450
SE +/- 0.42, N = 3
133.87
2011-08-25 11:30
SE +/- 3.49, N = 3
865.29
200
400
600
800
1000
1. (CXX) g++ options: -m64 -lQtOpenGL -lQtGui -lQtCore -lGL -lpthread


QGears2
OpenGL + Image Scaling
Frames Per Second, More Is Better
GTS450
SE +/- 0.12, N = 3
390.88
2011-08-25 11:30
SE +/- 12.63, N = 3
8466.88
2K
4K
6K
8K
10K
1. (CXX) g++ options: -m64 -lQtOpenGL -lQtGui -lQtCore -lGL -lpthread
Nexuiz 2.5.2
1360 x 768
Frames Per Second, More Is Better
GTS450
SE +/- 0.01, N = 3
38.99
2011-08-25 11:30
SE +/- 0.47, N = 3
277.29
60
120
180
240
300
Warsow 0.5
1360 x 768
Frames Per Second, More Is Better
2011-08-25 11:30
SE +/- 4.90, N = 3
528.27
110
220
330
440
550
Tremulous 1.1.0
1360 x 768
Frames Per Second, More Is Better
GTS450
SE +/- 0.50, N = 3
210.23
2011-08-25 11:30
SE +/- 0.15, N = 3
213.20
50
100
150
200
250

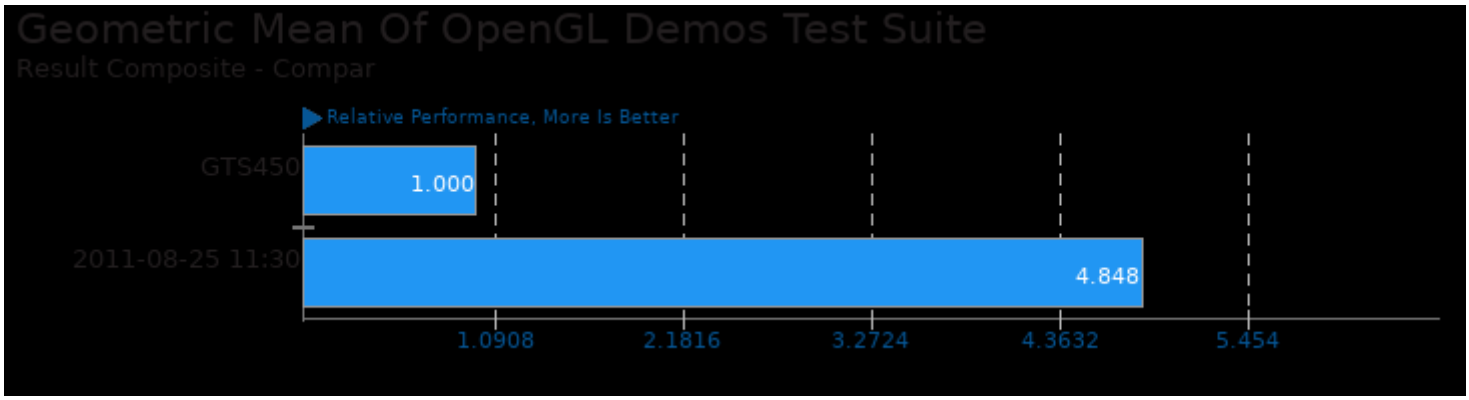

OpenArena 0.8.5
1360 x 768
Frames Per Second, More Is Better
GTS450
SE +/- 0.58, N = 3
205.77
2011-08-25 11:30
SE +/- 1.41, N = 3
611.77
130
260
390
520
650
Urban Terror 4.1
1360 x 768
Frames Per Second, More Is Better
2011-08-25 11:30
SE +/- 0.60, N = 3
220.73
50
100
150
200
250
World of Padman 1.2
1360 x 768
Frames Per Second, More Is Better
GTS450
SE +/- 0.03, N = 3
204.37
2011-08-25 11:30
SE +/- 3.43, N = 3
510.63
110
220
330
440
550
Smokin Guns 1.1b4
1360 x 768
Frames Per Second, More Is Better
2011-08-25 11:30
SE +/- 2.30, N = 3
352.93
80
160
240
320
400
VDrift 2010-06-30
1360 x 768
Frames Per Second, More Is Better
2011-08-25 11:30
SE +/- 0.34, N = 3
161.36
40
80
120
160
200


ET: Quake Wars Demo
1360 x 768
Frames Per Second, More Is Better
GTS450
SE +/- 6.55, N = 6
51.97
2011-08-25 11:30
SE +/- 0.07, N = 3
59.73
13
26
39
52
65
Lightsmark 2008
1360 x 768
Frames Per Second, More Is Better
2011-08-25 11:30
SE +/- 1.70, N = 3
896.60
200
400
600
800
1000
Unigine Sanctuary 2.3
1360 x 768
Frames Per Second, More Is Better
GTS450
SE +/- 0.01, N = 3
51.99
2011-08-25 11:30
SE +/- 0.10, N = 3
221.57
50
100
150
200
250
Unigine Tropics 1.3
1360 x 768
Frames Per Second, More Is Better
GTS450
SE +/- 0.01, N = 3
31.63
2011-08-25 11:30
SE +/- 0.05, N = 3
174.45
40
80
120
160
200

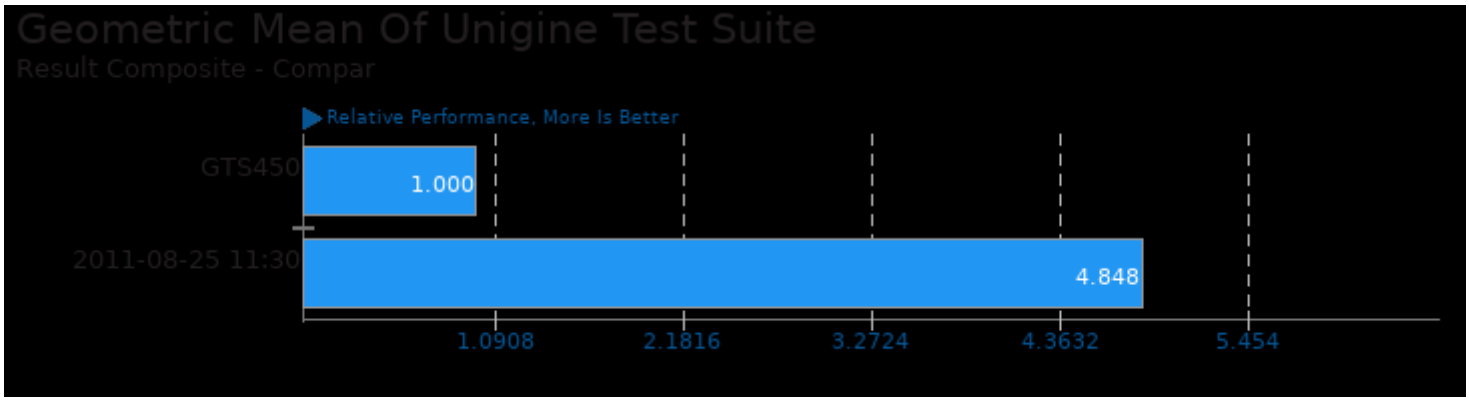

GtkPerf 0.40
GtkComboBox
Seconds, Fewer Is Better
GTS450
SE +/- 0.16, N = 3
17.77
2011-08-25 11:30
SE +/- 0.29, N = 3
17.36
4
8
12
16
20
1. (CC) gcc options: -lgtk-x11-2.0 -latk-1.0 -lgio-2.0 -lpangoft2-1.0 -lfontconfig -lgdk-x11-2.0 -lpangocairo-1.0 -lpango-1.0 -lcairo -lgdk_pixbuf-2.0 -lgobject
GtkPerf 0.40
GtkDrawingArea - Pixbufs
Seconds, Fewer Is Better
GTS450
SE +/- 0.01, N = 3
2.80
2011-08-25 11:30
SE +/- 0.14, N = 6
1.76
0.63
1.26
1.89
2.52
3.15
1. (CC) gcc options: -lgtk-x11-2.0 -latk-1.0 -lgio-2.0 -lpangoft2-1.0 -lfontconfig -lgdk-x11-2.0 -lpangocairo-1.0 -lpango-1.0 -lcairo -lgdk_pixbuf-2.0 -lgobject
GtkPerf 0.40
GtkRadioButton
Seconds, Fewer Is Better
GTS450
SE +/- 0.01, N = 3
9.67
2011-08-25 11:30
SE +/- 0.02, N = 3
3.15
3
6
9
12
15
1. (CC) gcc options: -lgtk-x11-2.0 -latk-1.0 -lgio-2.0 -lpangoft2-1.0 -lfontconfig -lgdk-x11-2.0 -lpangocairo-1.0 -lpango-1.0 -lcairo -lgdk_pixbuf-2.0 -lgobject

Compar

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



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



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

This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 21:51.