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## GPU-EXTENSIVE

AMD Athlon Silver 3050U testing with a HP 879E v84.51 (F.65 BIOS) and AMD RAVEN2 2GB on EndeavourOS rolling via the Phoronix Test Suite.

## Test Systems:

### 6900 XT

Processor: AMD Ryzen 7 5700X 8-Core @ 3.40GHz (8 Cores / 16 Threads), Motherboard: ASRock B550 Phantom Gaming-ITX/ax (P2.30 BIOS), Chipset: AMD Starship/Matisse, Memory: 32GB, Disk: 1000GB Samsung SSD 980 PRO 1TB + 2000GB Samsung SSD 970 EVO Plus 2TB, Graphics: AMD Radeon RX 6900 XT 16GB (2720/1000MHz), Audio: AMD Navi 21/23, Monitor: LC27G7xT, Network: Intel I225-V + Intel Wi-Fi 6 AX200

OS: EndeavourOS rolling, Kernel: 5.19.3-arch1-1 (x86\_64), Desktop: GNOME Shell 42.4, Display Server: X Server 1.21.1.4, OpenGL: 4.6 Mesa 22.1.6 (LLVM 14.0.6 DRM 3.47), Vulkan: 1.3.211, Compiler: GCC 12.2.0 + Clang 14.0.6 + LLVM 14.0.6, File-System: ext4, Screen Resolution: 2560x1440

Kernel Notes: Transparent Huge Pages: always  
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-werror --enable-\_\_cxa\_atexit --enable-bootstrap --enable-cet=auto --enable-checking=release

```
--enable-clocale-gnu      --enable-default-pie      --enable-default-ssp      --enable-gnu-indirect-function      --enable-gnu-unique-object
--enable-languages=c,c++,ada,fortran,go,ito,objc,obj-c++,d  --enable-libstdcxx-backtrace  --enable-link-serialization=1  --enable-lto  --enable-multilib  --enable-plugin
--enable-shared  --enable-threads=posix  --mandir=/usr/share/man  --with-build-config=bootstrap-lto  --with-linker-hash-style=gnu
Processor Notes: Scaling Governor: acpi-cpufreq performance (Boost: Enabled) - CPU Microcode: 0xa201205
Graphics Notes: GLAMOR - BAR1 / Visible vRAM Size: 16368 MB - vBIOS Version: 113-D41213-XTXH
Java Notes: OpenJDK Runtime Environment (build 18.0.2+0)
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + mmio_stale_data: Not affected + retbleed: Not affected + spec_store_bypass: Mitigation of SSB disabled via prctl + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Retpolines IPBP: conditional IBRS_FW STIBP: always-on RSB filling PBRSB-elBRS: Not affected + srbs: Not affected + tsx_async_abort: Not affected
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## Vega 2

Processor: AMD Athlon Silver 3050U @ 2.30GHz (2 Cores), Motherboard: HP 879E v84.51 (F.65 BIOS), Chipset: AMD Raven/Raven2, Memory: 30GB, Disk: 512GB XPG GAMMIX S5, Graphics: AMD RAVEN2 2GB (1100/1067MHz), Audio: AMD Raven/Raven2/Fenghuang, Network: Realtek RTL8111/8168/8411 + Realtek RTL8821CE 802.11ac PCIe

OS: EndeavourOS rolling, Kernel: 5.19.5-AMD (x86\_64), Desktop: KDE Plasma 5.25.4, Display Server: X Server 1.21.1.4, OpenGL: 4.6 Mesa 22.1.7 (LLVM 14.0.6 DRM 3.47), Vulkan: 1.3.211, Compiler: GCC 12.2.0 + Clang 14.0.6 + LLVM 14.0.6, File-System: ext4, Screen Resolution: 1920x1080

```
Kernel Notes: Transparent Huge Pages: always
Compiler Notes: --disable-libssp --disable-libstdcxx-pch  --disable-werror  --enable-_cxa_atexit  --enable-bootstrap  --enable-cet=auto  --enable-checking=release
--enable-clocale-gnu      --enable-default-pie      --enable-default-ssp      --enable-gnu-indirect-function      --enable-gnu-unique-object
--enable-languages=c,c++,ada,fortran,go,ito,objc,obj-c++,d  --enable-libstdcxx-backtrace  --enable-link-serialization=1  --enable-lto  --enable-multilib  --enable-plugin
--enable-shared  --enable-threads=posix  --mandir=/usr/share/man  --with-build-config=bootstrap-lto  --with-linker-hash-style=gnu
Processor Notes: Scaling Governor: acpi-cpufreq schedutil (Boost: Enabled) - CPU Microcode: 0x8108109
Graphics Notes: GLAMOR - BAR1 / Visible vRAM Size: 2048 MB - vBIOS Version: 113-RAVEN2-117
Java Notes: OpenJDK Runtime Environment (build 18.0.2+0)
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + mmio_stale_data: Not affected + retbleed: Mitigation of untrained return thunk; SMT disabled + spec_store_bypass: Mitigation of SSB disabled via prctl + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Retpolines IPBP: conditional STIBP: disabled RSB filling PBRSB-elBRS: Not affected + srbs: Not affected + tsx_async_abort: Not affected
```

	6900 XT	Vega 2
GpuTest - Pixmark Piano - 1600 x 1200 - Windowed (Points)	9686	99
Normalized	100%	1.02%
Standard Deviation	0.3%	0%
GpuTest - Pixmark Piano - 1920 x 1200 - Windowed (Points)	8155	84
Normalized	100%	1.03%
Standard Deviation	0.3%	0%
GpuTest - Pixmark Volplosion - 1920 x 1200 - Windowed (Points)	19269	214
Normalized	100%	1.11%
Standard Deviation	0%	0%
GpuTest - Plot3D - 800 x 600 - Windowed (Points)	252677	27699
Normalized	100%	10.96%
Standard Deviation	0%	0%
GpuTest - Triangle - 1280 x 1024 - Windowed (Points)	1632609	180803
Normalized	100%	11.07%
Standard Deviation	2.2%	0.1%
GpuTest - Pixmark Volplosion - 1600 x 1200 - Windowed (Points)	22612	255
Normalized	100%	1.13%

	Standard Deviation	0%	
<b>Unigine Valley - 2560 x 1440 - Windowed - OpenGL (FPS)</b>	<b>248.615</b>	<b>3.06551</b>	
	Normalized	100%	1.23%
	Standard Deviation	1.5%	0%
<b>Unigine Tropics - 800 x 600 - Fullscreen (FPS)</b>	<b>433.435</b>	<b>48.6936</b>	
	Normalized	100%	11.23%
	Standard Deviation	1.7%	0%
<b>Unigine Tropics - 800 x 600 - Windowed (FPS)</b>	<b>427.855</b>	<b>49.4166</b>	
	Normalized	100%	11.55%
	Standard Deviation	0.9%	0%
<b>GLmark2 - 1024 x 768 (Score)</b>	<b>26042</b>	<b>3116</b>	
	Normalized	100%	11.97%
<b>VKMark - 800 x 600 - Mailbox (VKMark Score)</b>	<b>29360</b>	<b>3595</b>	
	Normalized	100%	12.24%
	Standard Deviation	0.2%	0.2%
<b>VKMark - 800 x 600 - Immediate (VKMark Score)</b>	<b>29382</b>	<b>3607</b>	
	Normalized	100%	12.28%
	Standard Deviation	0.2%	0%
<b>GpuTest - Furmark - 1024 x 768 - Windowed (Points)</b>	<b>60000</b>	<b>774</b>	
	Normalized	100%	1.29%
	Standard Deviation	0.1%	0%
<b>GpuTest - Furmark - 800 x 600 - Windowed (Points)</b>	<b>79392</b>	<b>1040</b>	
	Normalized	100%	1.31%
	Standard Deviation	0.1%	0%
<b>GpuTest - Furmark - 1280 x 1024 - Windowed (Points)</b>	<b>40055</b>	<b>543</b>	
	Normalized	100%	1.36%
	Standard Deviation	0.3%	0%
<b>GpuTest - Furmark - 1920 x 1080 - Windowed (Points)</b>	<b>36025</b>	<b>534</b>	
	Normalized	100%	1.48%
	Standard Deviation	0%	0%
<b>GpuTest - Pixmark Piano - 1920 x 1200 - Fullscreen (Points)</b>	<b>5196</b>	<b>78</b>	
	Normalized	100%	1.5%
	Standard Deviation	0%	0%
<b>GpuTest - Pixmark Piano - 800 x 600 - Fullscreen (Points)</b>	<b>5195</b>	<b>78</b>	
	Normalized	100%	1.5%
	Standard Deviation	0.1%	0%
<b>GpuTest - Pixmark Piano - 1920 x 1080 - Fullscreen (Points)</b>	<b>5194</b>	<b>78</b>	
	Normalized	100%	1.5%
	Standard Deviation	0.2%	0%
<b>GpuTest - Pixmark Piano - 2560 x 1440 - Fullscreen (Points)</b>	<b>5190</b>	<b>78</b>	
	Normalized	100%	1.5%
	Standard Deviation	0%	0%
<b>GpuTest - Pixmark Piano - 1600 x 1200 - Fullscreen (Points)</b>	<b>5183</b>	<b>78</b>	
	Normalized	100%	1.5%
	Standard Deviation	0.3%	0%
<b>GpuTest - Pixmark Piano - 1280 x 1024 - Fullscreen (Points)</b>	<b>5179</b>	<b>78</b>	
	Normalized	100%	1.51%
	Standard Deviation	0.6%	0%

GpuTest - Pixmark Piano - 1024 x 768 -Fullscreen	<b>5167</b>	<b>78</b>
(Points)		
Normalized	100%	1.51%
Standard Deviation	0.2%	0%
GpuTest - Pixmark Piano - 2560 x 1440 - Windowed	<b>5422</b>	<b>84</b>
(Points)		
Normalized	100%	1.55%
Standard Deviation	0.5%	0%
GpuTest - Pixmark Volplosion - 1920 x 1080 -Fullscreen (Points)	<b>12329</b>	<b>199</b>
Normalized	100%	1.61%
Standard Deviation	0%	0%
GpuTest - Pixmark Volplosion - 1024 x 768 -Fullscreen (Points)	<b>12329</b>	<b>199</b>
Normalized	100%	1.61%
Standard Deviation	0%	0%
GpuTest - Pixmark Volplosion - 1600 x 1200 -Fullscreen (Points)	<b>12328</b>	<b>199</b>
Normalized	100%	1.61%
Standard Deviation	0%	0%
GpuTest - Pixmark Volplosion - 1920 x 1200 -Fullscreen (Points)	<b>12327</b>	<b>199</b>
Normalized	100%	1.61%
Standard Deviation	0%	0%
GpuTest - Pixmark Volplosion - 1280 x 1024 -Fullscreen (Points)	<b>12326</b>	<b>199</b>
Normalized	100%	1.61%
Standard Deviation	0%	0%
GpuTest - Pixmark Volplosion - 800 x 600 -Fullscreen (Points)	<b>12326</b>	<b>199</b>
Normalized	100%	1.61%
Standard Deviation	0%	0%
GpuTest - Pixmark Volplosion - 2560 x 1440 -Fullscreen (Points)	<b>12325</b>	<b>199</b>
Normalized	100%	1.61%
Standard Deviation	0%	0%
GpuTest - Pixmark Volplosion - 2560 x 1440 -Windowed (Points)	<b>12958</b>	<b>214</b>
Normalized	100%	1.65%
Standard Deviation	0%	0%
GLmark2 - 800 x 600 (Score)	<b>26493</b>	<b>4415</b>
Normalized	100%	16.66%
GpuTest - Furmark - 1920 x 1200 - Windowed (Points)	<b>31191</b>	<b>535</b>
Normalized	100%	1.72%
Standard Deviation	0%	0%
GpuTest - Furmark - 1600 x 1200 - Windowed (Points)	<b>31251</b>	<b>540</b>
Normalized	100%	1.73%
Standard Deviation	0.1%	0%
Unigine Valley - 1920 x 1200 - Windowed - OpenGL (FPS)	<b>253.983</b>	<b>5.04144</b>
Normalized	100%	1.98%
Standard Deviation	0.7%	0%
GpuTest - Triangle - 1024 x 768 - Windowed (Points)	<b>1641472</b>	<b>277449</b>

	Normalized	100%	16.9%
	Standard Deviation	0.5%	0.1%
GpuTest - Furmark - 1024 x 768 - Fullscreen (Points)	23416	481	
	Normalized	100%	2.05%
	Standard Deviation	0.2%	0%
GpuTest - Furmark - 1280 x 1024 - Fullscreen (Points)	23400	481	
	Normalized	100%	2.06%
	Standard Deviation	0%	0%
GpuTest - Furmark - 1600 x 1200 - Fullscreen (Points)	23392	481	
	Normalized	100%	2.06%
	Standard Deviation	0%	0%
GpuTest - Furmark - 2560 x 1440 - Fullscreen (Points)	23380	481	
	Normalized	100%	2.06%
	Standard Deviation	0%	0%
GpuTest - Furmark - 1920 x 1080 - Fullscreen (Points)	23374	481	
	Normalized	100%	2.06%
	Standard Deviation	0%	0%
GpuTest - Furmark - 1920 x 1200 - Fullscreen (Points)	23372	481	
	Normalized	100%	2.06%
	Standard Deviation	0%	0%
GpuTest - Furmark - 800 x 600 - Fullscreen (Points)	23355	481	
	Normalized	100%	2.06%
	Standard Deviation	0%	0%
GpuTest - Furmark - 2560 x 1440 - Windowed (Points)	25192	535	
	Normalized	100%	2.12%
	Standard Deviation	0%	0%
Unigine Valley - 1920 x 1200 - Fullscreen - OpenGL (FPS)	253.869	5.63938	
	Normalized	100%	2.22%
	Standard Deviation	1.3%	0.1%
Unigine Valley - 2560 x 1440 - Fullscreen - OpenGL (FPS)	250.259	5.66779	
	Normalized	100%	2.26%
	Standard Deviation	1.2%	0%
Unigine Valley - 1920 x 1080 - Fullscreen - OpenGL (FPS)	247.131	5.63510	
	Normalized	100%	2.28%
	Standard Deviation	1.2%	0%
Unigine Valley - 1600 x 1200 - Windowed - OpenGL (FPS)	261.215	5.98532	
	Normalized	100%	2.29%
	Standard Deviation	1.3%	0%
Unigine Valley - 1920 x 1080 - Windowed - OpenGL (FPS)	246.289	5.68359	
	Normalized	100%	2.31%
	Standard Deviation	1.9%	0%
GpuTest - Triangle - 800 x 600 - Windowed (Points)	1624651	391128	
	Normalized	100%	24.07%
	Standard Deviation	0.9%	1.8%
Unigine Valley - 1600 x 1200 - Fullscreen - OpenGL (FPS)	260.397	6.55317	
	Normalized	100%	2.52%
	Standard Deviation	1.2%	0.1%
Unigine Tropics - 2560 x 1440 - Fullscreen (FPS)	401.309	12.3626	

	Normalized	100%	3.08%
	Standard Deviation	0.5%	0.1%
<b>Unigine Tropics - 2560 x 1440 - Windowed (FPS)</b>	<b>400.715</b>	<b>12.4271</b>	
	Normalized	100%	3.1%
	Standard Deviation	0.8%	0%
<b>Unigine Valley - 1280 x 1024 - Windowed - OpenGL (FPS)</b>	<b>258.413</b>	<b>8.69913</b>	
	Normalized	100%	3.37%
	Standard Deviation	1.1%	0%
<b>Unigine Valley - 1280 x 1024 - Fullscreen - OpenGL (FPS)</b>	<b>254.223</b>	<b>8.61619</b>	
	Normalized	100%	3.39%
	Standard Deviation	0.1%	0%
<b>VKMark - 2560 x 1440 - Immediate (VKMark Score)</b>	<b>17841</b>	<b>669</b>	
	Normalized	100%	3.75%
	Standard Deviation	0.1%	0%
<b>VKMark - 2560 x 1440 - Mailbox (VKMark Score)</b>	<b>17840</b>	<b>669</b>	
	Normalized	100%	3.75%
	Standard Deviation	0.1%	0%
<b>GpuTest - TessMark - 800 x 600 - Windowed (Points)</b>	<b>70775</b>	<b>2778</b>	
	Normalized	100%	3.93%
	Standard Deviation	0%	0%
<b>GpuTest - GiMark - 1280 x 1024 - Windowed (Points)</b>	<b>28387</b>	<b>1190</b>	
	Normalized	100%	4.19%
	Standard Deviation	0%	0%
<b>Java 2D Microbenchmark - V.G.R (Units/sec)</b>	<b>23574899</b>	<b>991357</b>	
	Normalized	100%	4.21%
	Standard Deviation	0.2%	1.1%
<b>GpuTest - GiMark - 1600 x 1200 - Windowed (Points)</b>	<b>26239</b>	<b>1122</b>	
	Normalized	100%	4.28%
	Standard Deviation	0%	0%
<b>GpuTest - GiMark - 1920 x 1080 - Windowed (Points)</b>	<b>25085</b>	<b>1074</b>	
	Normalized	100%	4.28%
	Standard Deviation	0%	0%
<b>GpuTest - TessMark - 1024 x 768 - Windowed (Points)</b>	<b>59396</b>	<b>2554</b>	
	Normalized	100%	4.3%
	Standard Deviation	0%	0%
<b>GpuTest - GiMark - 1920 x 1200 - Windowed (Points)</b>	<b>24769</b>	<b>1074</b>	
	Normalized	100%	4.34%
	Standard Deviation	0%	0%
<b>Unigine Tropics - 1920 x 1200 - Fullscreen (FPS)</b>	<b>405.683</b>	<b>17.8894</b>	
	Normalized	100%	4.41%
	Standard Deviation	0.6%	0.9%
<b>VKMark - 1920 x 1200 - Immediate (VKMark Score)</b>	<b>22933</b>	<b>1013</b>	
	Normalized	100%	4.42%
	Standard Deviation	0.3%	0%
<b>VKMark - 1920 x 1200 - Mailbox (VKMark Score)</b>	<b>22948</b>	<b>1014</b>	
	Normalized	100%	4.42%
	Standard Deviation	0.1%	0.1%
<b>Unigine Tropics - 1920 x 1200 - Windowed (FPS)</b>	<b>409.443</b>	<b>18.1275</b>	
	Normalized	100%	4.43%
	Standard Deviation	1.7%	0%
<b>GpuTest - GiMark - 1024 x 768 - Windowed (Points)</b>	<b>30262</b>	<b>1355</b>	
	Normalized	100%	4.48%
	Standard Deviation	0%	0%

GpuTest - GiMark - 800 x 600 - Fullscreen (Points)	<b>22816</b>	<b>1035</b>
Normalized	100%	4.54%
Standard Deviation	0%	0.1%
GpuTest - GiMark - 1600 x 1200 - Fullscreen (Points)	<b>22751</b>	<b>1034</b>
Normalized	100%	4.54%
Standard Deviation	0%	0%
GpuTest - GiMark - 1920 x 1080 - Fullscreen (Points)	<b>22749</b>	<b>1034</b>
Normalized	100%	4.55%
Standard Deviation	0%	0%
GpuTest - GiMark - 1920 x 1200 - Fullscreen (Points)	<b>22747</b>	<b>1034</b>
Normalized	100%	4.55%
Standard Deviation	0.1%	0%
GpuTest - GiMark - 2560 x 1440 - Fullscreen (Points)	<b>22745</b>	<b>1034</b>
Normalized	100%	4.55%
Standard Deviation	0%	0%
GpuTest - GiMark - 1280 x 1024 - Fullscreen (Points)	<b>22735</b>	<b>1034</b>
Normalized	100%	4.55%
Standard Deviation	0.1%	0%
GpuTest - GiMark - 1024 x 768 - Fullscreen (Points)	<b>22726</b>	<b>1034</b>
Normalized	100%	4.55%
Standard Deviation	0.1%	0.1%
GLmark2 - 2560 x 1440 (Score)	<b>19451</b>	<b>889</b>
Normalized	100%	4.57%
GpuTest - GiMark - 800 x 600 - Windowed (Points)	<b>32460</b>	<b>1492</b>
Normalized	100%	4.6%
Standard Deviation	0%	0%
VKMark - 1920 x 1080 - Immediate (VKMark Score)	<b>24258</b>	<b>1127</b>
Normalized	100%	4.65%
Standard Deviation	0.2%	0%
VKMark - 1920 x 1080 - Mailbox (VKMark Score)	<b>24268</b>	<b>1131</b>
Normalized	100%	4.66%
Standard Deviation	0%	0.5%
GpuTest - GiMark - 2560 x 1440 - Windowed (Points)	<b>22795</b>	<b>1074</b>
Normalized	100%	4.71%
Standard Deviation	0%	0%
Unigine Tropics - 1920 x 1080 - Fullscreen (FPS)	<b>403.078</b>	<b>19.0398</b>
Normalized	100%	4.72%
Standard Deviation	1%	0%
VKMark - 1600 x 1200 - Immediate (VKMark Score)	<b>24642</b>	<b>1166</b>
Normalized	100%	4.73%
Standard Deviation	0%	0.1%
VKMark - 1600 x 1200 - Mailbox (VKMark Score)	<b>24637</b>	<b>1166</b>
Normalized	100%	4.73%
Standard Deviation	0.2%	0%
Unigine Tropics - 1920 x 1080 - Windowed (FPS)	<b>405.652</b>	<b>19.4615</b>
Normalized	100%	4.8%
Standard Deviation	0.6%	0%
Java 2D Microbenchmark - A.R.T (Units/sec)	<b>23756731</b>	<b>1168793</b>
Normalized	100%	4.92%
Standard Deviation	0.6%	0.6%
Unigine Tropics - 1600 x 1200 - Fullscreen (FPS)	<b>413.615</b>	<b>20.7763</b>
Normalized	100%	5.02%
Standard Deviation	0.7%	0%
GpuTest - TessMark - 1920 x 1080 - Windowed	<b>43203</b>	<b>2171</b>
Normalized	100%	5.03%

	Standard Deviation	0%	0%
GpuTest - TessMark - 1280 x 1024 - Windowed	44128	2238	
	Normalized	100%	5.07%
	Standard Deviation	0%	0%
Unigine Tropics - 1600 x 1200 - Windowed (FPS)	413.486	21.0657	
	Normalized	100%	5.09%
	Standard Deviation	1.4%	0%
Unigine Valley - 1024 x 768 - Fullscreen - OpenGL	260.433	13.5762	
	Normalized	100%	5.21%
	Standard Deviation	0.8%	0.1%
GpuTest - TessMark - 1920 x 1200 - Windowed	41589	2171	
	Normalized	100%	5.22%
	Standard Deviation	0.1%	0%
GpuTest - TessMark - 1600 x 1200 - Windowed	41736	2208	
	Normalized	100%	5.29%
	Standard Deviation	0%	0.1%
Unigine Valley - 1024 x 768 - Windowed - OpenGL	257.261	13.7304	
	Normalized	100%	5.34%
	Standard Deviation	0.4%	0.1%
GpuTest - TessMark - 1280 x 1024 - Fullscreen	36665	2082	
	Normalized	100%	5.68%
	Standard Deviation	0.1%	0%
GpuTest - TessMark - 1920 x 1200 - Fullscreen	36676	2084	
	Normalized	100%	5.68%
	Standard Deviation	0%	0%
GpuTest - TessMark - 1600 x 1200 - Fullscreen	36675	2084	
	Normalized	100%	5.68%
	Standard Deviation	0%	0%
GpuTest - TessMark - 1920 x 1080 - Fullscreen	36663	2084	
	Normalized	100%	5.68%
	Standard Deviation	0.1%	0%
GpuTest - TessMark - 2560 x 1440 - Fullscreen	36680	2085	
	Normalized	100%	5.68%
	Standard Deviation	0%	0%
GpuTest - TessMark - 1024 x 768 - Fullscreen (Points)	36648	2085	
	Normalized	100%	5.69%
	Standard Deviation	0.1%	0.1%
GpuTest - TessMark - 800 x 600 - Fullscreen (Points)	36659	2086	
	Normalized	100%	5.69%
	Standard Deviation	0.1%	0%
GpuTest - TessMark - 2560 x 1440 - Windowed	37815	2170	
	Normalized	100%	5.74%
	Standard Deviation	0.1%	0.1%
GLmark2 - 1920 x 1200 (Score)	22526	1295	
	Normalized	100%	5.75%
VKMark - 1280 x 1024 - Mailbox (VKMark Score)	27057	1615	
	Normalized	100%	5.97%
	Standard Deviation	0.1%	0%
VKMark - 1280 x 1024 - Immediate (VKMark Score)	27056	1615	
	Normalized	100%	5.97%
	Standard Deviation	0.1%	0%
GLmark2 - 1600 x 1200 (Score)	23075	1443	
	Normalized	100%	6.25%
GLmark2 - 1920 x 1080 (Score)	23133	1458	
	Normalized	100%	6.3%

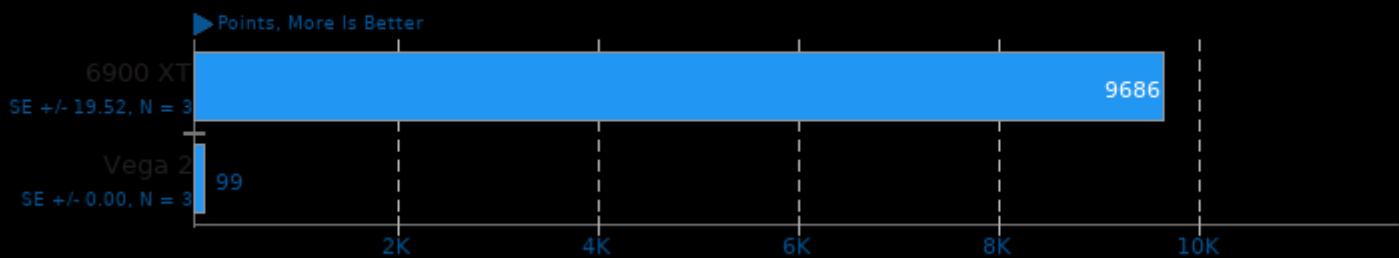
<b>Unigine Tropics - 1280 x 1024 - Fullscreen (FPS)</b>	<b>426.839</b>	<b>27.1341</b>
Normalized	100%	6.36%
Standard Deviation	0.9%	0%
<b>Java 2D Microbenchmark - Image Rendering</b>	<b>26965829</b>	<b>1736086</b>
Normalized	100%	6.44%
Standard Deviation	1.8%	0.4%
<b>Unigine Tropics - 1280 x 1024 - Windowed (FPS)</b>	<b>427.848</b>	<b>27.7287</b>
Normalized	100%	6.48%
Standard Deviation	0.3%	0%
<b>GpuTest - Plot3D - 1920 x 1080 - Windowed (Points)</b>	<b>204395</b>	<b>14945</b>
Normalized	100%	7.31%
Standard Deviation	0.1%	0%
<b>GpuTest - Plot3D - 800 x 600 - Fullscreen (Points)</b>	<b>184999</b>	<b>13556</b>
Normalized	100%	7.33%
Standard Deviation	0%	3.8%
<b>GpuTest - Triangle - 1280 x 1024 - Fullscreen (Points)</b>	<b>1612256</b>	<b>118597</b>
Normalized	100%	7.36%
Standard Deviation	1.4%	0.1%
<b>GpuTest - Plot3D - 1920 x 1200 - Windowed (Points)</b>	<b>202996</b>	<b>14945</b>
Normalized	100%	7.36%
Standard Deviation	0%	0%
<b>GpuTest - Triangle - 1920 x 1200 - Fullscreen (Points)</b>	<b>1606205</b>	<b>119232</b>
Normalized	100%	7.42%
Standard Deviation	0.7%	0.2%
<b>GpuTest - Triangle - 1600 x 1200 - Fullscreen (Points)</b>	<b>1603459</b>	<b>119228</b>
Normalized	100%	7.44%
Standard Deviation	1%	0.2%
<b>GpuTest - Plot3D - 1600 x 1200 - Windowed (Points)</b>	<b>215790</b>	<b>16109</b>
Normalized	100%	7.47%
Standard Deviation	0.1%	0%
<b>GpuTest - Triangle - 1920 x 1080 - Fullscreen (Points)</b>	<b>1587469</b>	<b>118538</b>
Normalized	100%	7.47%
Standard Deviation	1.1%	0.1%
<b>Unigine Valley - 800 x 600 - Fullscreen - OpenGL (FPS)</b>	<b>260.806</b>	<b>19.5219</b>
Normalized	100%	7.49%
Standard Deviation	0.6%	0%
<b>Unigine Valley - 800 x 600 - Windowed - OpenGL (FPS)</b>	<b>263.188</b>	<b>19.8067</b>
Normalized	100%	7.53%
Standard Deviation	1.1%	0.1%
<b>GpuTest - Triangle - 2560 x 1440 - Fullscreen (Points)</b>	<b>1592479</b>	<b>120063</b>
Normalized	100%	7.54%
Standard Deviation	1%	0.1%
<b>GpuTest - Triangle - 1024 x 768 - Fullscreen (Points)</b>	<b>1609964</b>	<b>122607</b>
Normalized	100%	7.62%
Standard Deviation	0.3%	0.3%
<b>GpuTest - Triangle - 1920 x 1200 - Windowed (Points)</b>	<b>1635476</b>	<b>124579</b>
Normalized	100%	7.62%
Standard Deviation	0.8%	0.2%
<b>GpuTest - Plot3D - 1920 x 1080 - Fullscreen (Points)</b>	<b>185351</b>	<b>14169</b>
Normalized	100%	7.64%
Standard Deviation	0.1%	0%
<b>GpuTest - Plot3D - 1920 x 1200 - Fullscreen (Points)</b>	<b>185247</b>	<b>14170</b>
Normalized	100%	7.65%
Standard Deviation	0%	0%
<b>GpuTest - Plot3D - 2560 x 1440 - Fullscreen (Points)</b>	<b>185271</b>	<b>14173</b>

	Normalized	100%	7.65%
	Standard Deviation	0.1%	0%
GpuTest - Plot3D - 1600 x 1200 -Fullscreen (Points)	185065	14158	
	Normalized	100%	7.65%
	Standard Deviation	0.1%	0.1%
GpuTest - Plot3D - 1280 x 1024 -Fullscreen (Points)	185013	14161	
	Normalized	100%	7.65%
	Standard Deviation	0%	0.1%
GpuTest - Triangle - 1920 x 1080 - Windowed (Points)	1626204	124616	
	Normalized	100%	7.66%
	Standard Deviation	0.6%	0%
GpuTest - Triangle - 800 x 600 -Fullscreen (Points)	1599544	122669	
	Normalized	100%	7.67%
	Standard Deviation	0.8%	0.1%
GpuTest - Plot3D - 1024 x 768 -Fullscreen (Points)	184892	14181	
	Normalized	100%	7.67%
	Standard Deviation	0%	0%
GpuTest - Triangle - 2560 x 1440 - Windowed (Points)	1618781	125281	
	Normalized	100%	7.74%
	Standard Deviation	0.7%	0%
GpuTest - Plot3D - 1280 x 1024 -Windowed (Points)	234508	18321	
	Normalized	100%	7.81%
	Standard Deviation	0.1%	0%
GpuTest - Plot3D - 2560 x 1440 -Windowed (Points)	185352	14949	
	Normalized	100%	8.07%
	Standard Deviation	0.1%	0%
GLmark2 - 1280 x 1024 (Score)	24487	2024	
	Normalized	100%	8.27%
GpuTest - Pixmark Piano - 1024 x 768 -Windowed (Points)	22711	198	
	Normalized	100%	0.87%
	Standard Deviation	0.1%	0%
GpuTest - Pixmark Piano - 1280 x 1024 -Windowed (Points)	14066	123	
	Normalized	100%	0.87%
	Standard Deviation	0.1%	0%
GpuTest - Pixmark Piano - 800 x 600 -Windowed	35418	319	
	Normalized	100%	0.9%
	Standard Deviation	0.1%	0%
VKMark - 1024 x 768 - Mailbox (VKMark Score)	29023	2495	
	Normalized	100%	8.6%
	Standard Deviation	0.1%	0.1%
VKMark - 1024 x 768 - Immediate (VKMark Score)	28999	2496	
	Normalized	100%	8.61%
	Standard Deviation	0.2%	0.1%
Unigine Tropics - 1024 x 768 -Fullscreen (FPS)	426.628	37.2911	
	Normalized	100%	8.74%
	Standard Deviation	1.1%	0%
Unigine Tropics - 1024 x 768 -Windowed (FPS)	424.574	38.1099	
	Normalized	100%	8.98%
	Standard Deviation	0.2%	0%
GpuTest - Pixmark Volplosion - 1024 x 768 -Windowed (Points)	55754	512	
	Normalized	100%	0.92%
	Standard Deviation	0%	0%

GpuTest - Pixmark Piano - 1920 x 1080 - Windowed	<b>9046</b>	<b>84</b>
(Points)		
Normalized	100%	0.93%
Standard Deviation	0.5%	0%
GpuTest - Pixmark Volplosion - 800 x 600 - Windowed	<b>88816</b>	<b>836</b>
(Points)		
Normalized	100%	0.94%
Standard Deviation	0.1%	0%
GpuTest - Pixmark Volplosion - 1280 x 1024 -	<b>32481</b>	<b>314</b>
Windowed (Points)		
Normalized	100%	0.97%
Standard Deviation	0%	0%
GpuTest - Pixmark Volplosion - 1920 x 1080 -	<b>21596</b>	<b>214</b>
Windowed (Points)		
Normalized	100%	0.99%
Standard Deviation	0%	0%
GpuTest - Triangle - 1600 x 1200 - Windowed (Points)	<b>1630270</b>	<b>150183</b>
Normalized	100%	9.21%
Standard Deviation	1.6%	0.2%
GpuTest - Plot3D - 1024 x 768 - Windowed (Points)	<b>242169</b>	<b>23337</b>
Normalized	100%	9.64%
Standard Deviation	0.1%	0%
Java 2D Microbenchmark - Text Rendering (Units/sec)	<b>22620</b>	<b>21052</b>
Normalized	100%	93.07%
Standard Deviation	9.7%	8.7%

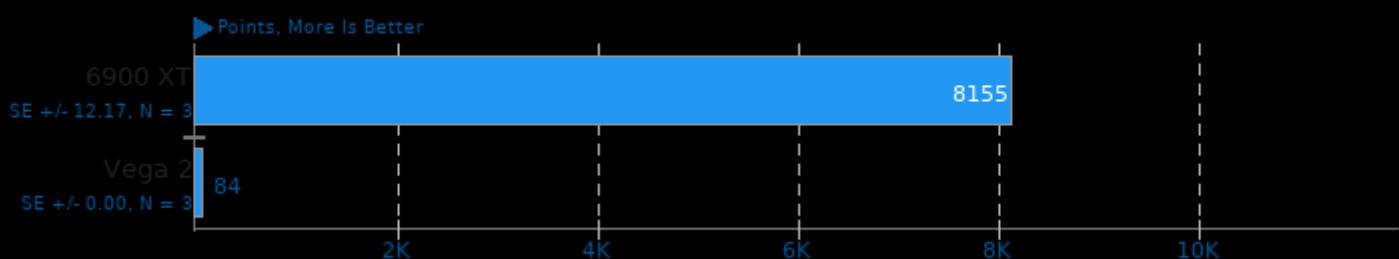
## GpuTest 0.7.0

Test: Pixmark Piano - Resolution: 1600 x 1200 - Mode: Windowed



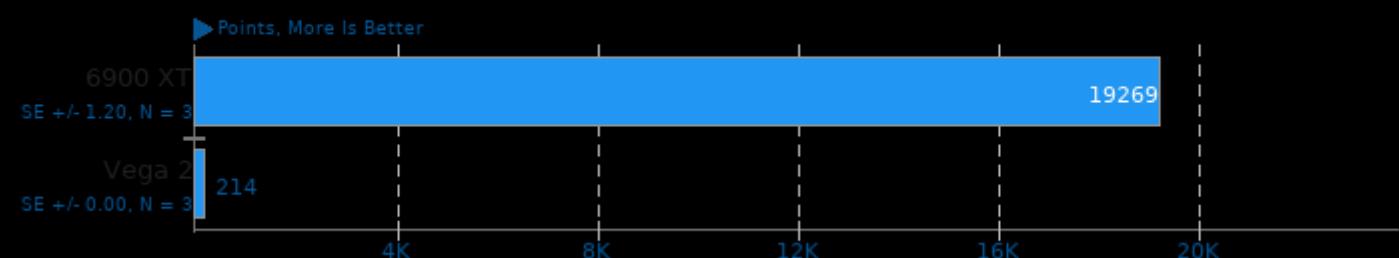
## GpuTest 0.7.0

Test: Pixmark Piano - Resolution: 1920 x 1200 - Mode: Windowed



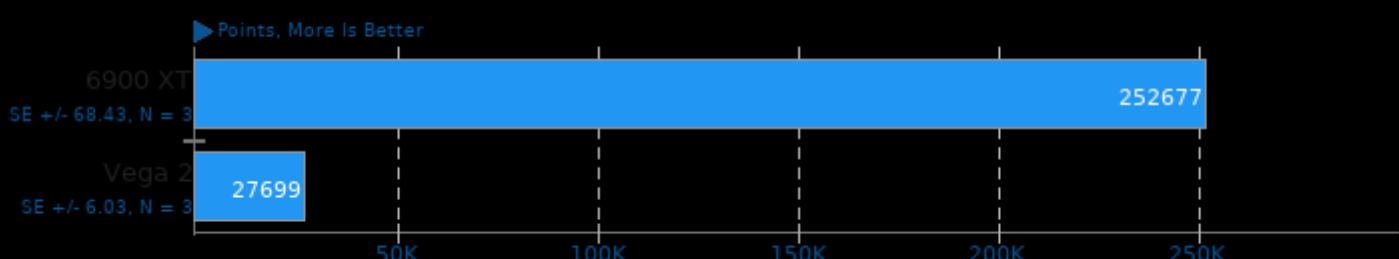
## GpuTest 0.7.0

Test: Pixmark Volpllosion - Resolution: 1920 x 1200 - Mode: Windowed



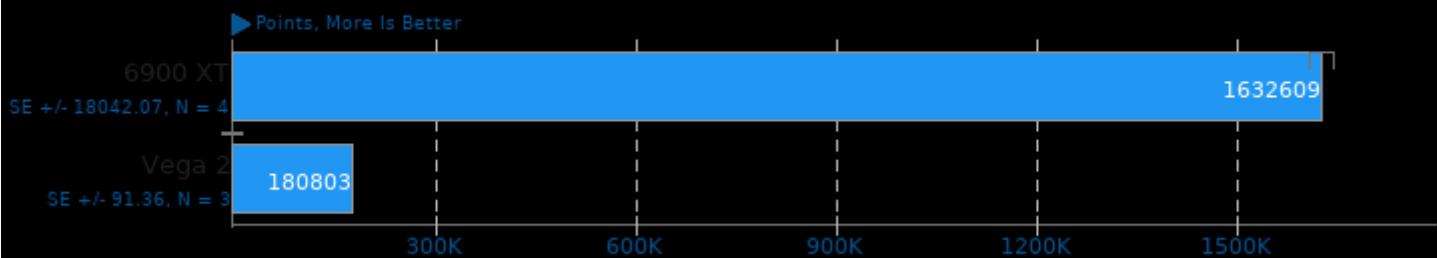
## GpuTest 0.7.0

Test: Plot3D - Resolution: 800 x 600 - Mode: Windowed



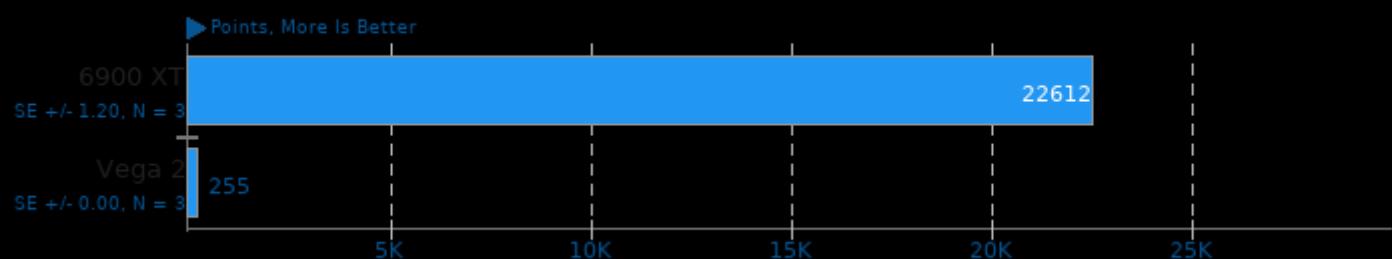
## GpuTest 0.7.0

Test: Triangle - Resolution: 1280 x 1024 - Mode: Windowed



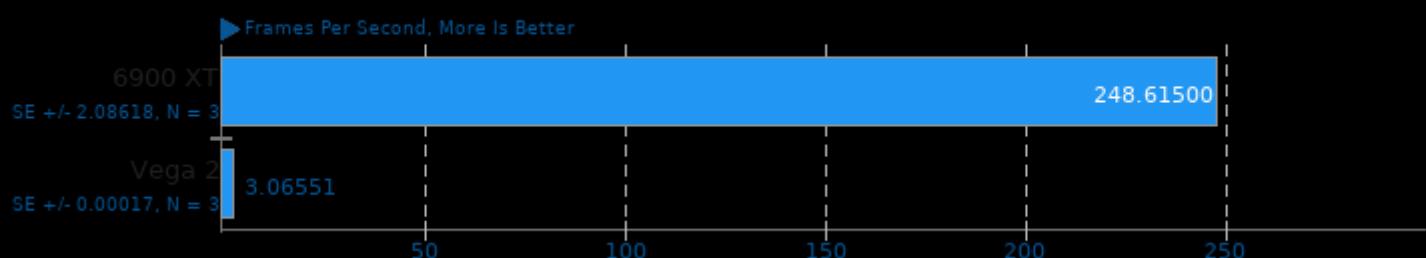
## GpuTest 0.7.0

Test: Pixmark Volplosion - Resolution: 1600 x 1200 - Mode: Windowed



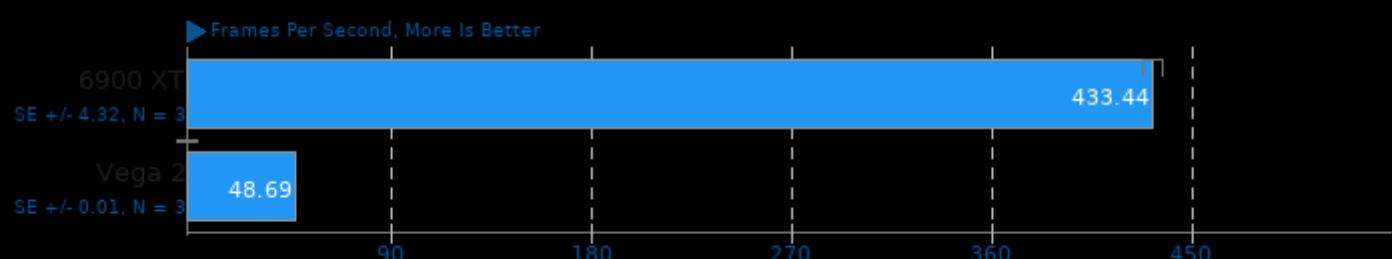
## Unigine Valley 1.0

Resolution: 2560 x 1440 - Mode: Windowed - Renderer: OpenGL



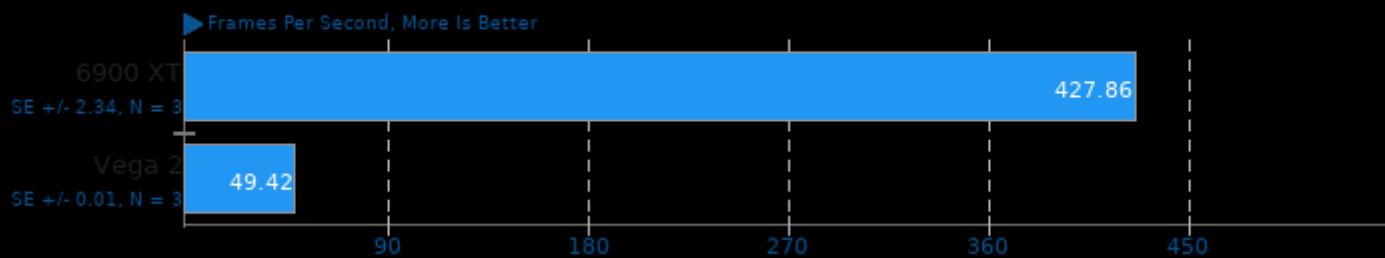
## Unigine Tropics 1.3

Resolution: 800 x 600 - Mode: Fullscreen



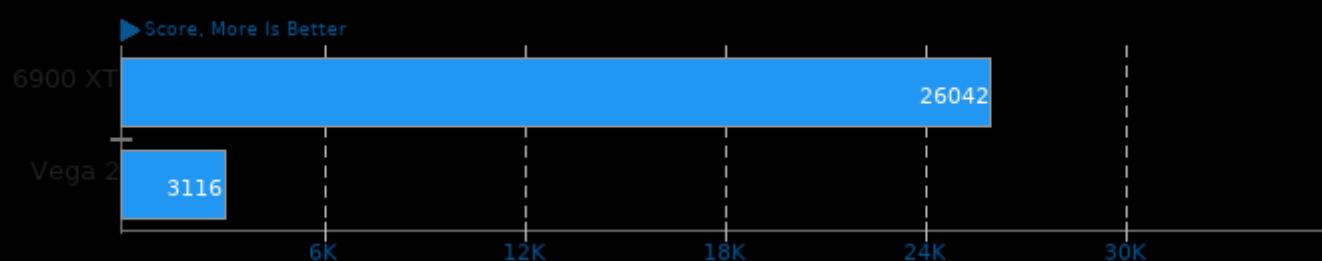
## Unigine Tropics 1.3

Resolution: 800 x 600 - Mode: Windowed



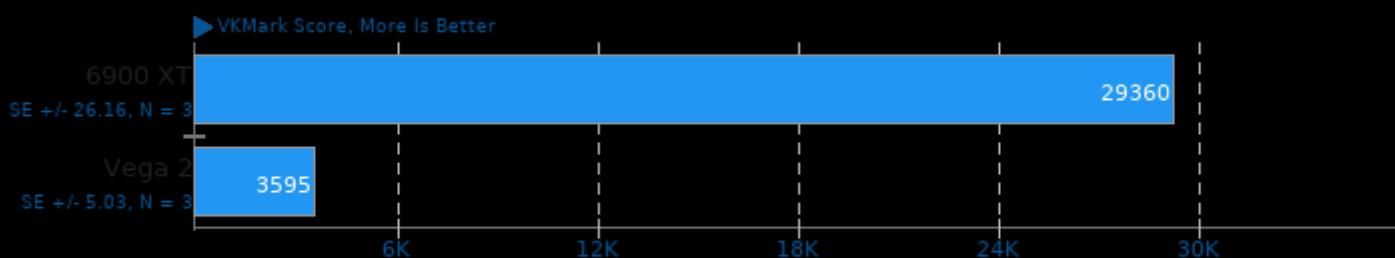
## GLmark2

Resolution: 1024 x 768



## VKMark 2022-05-16

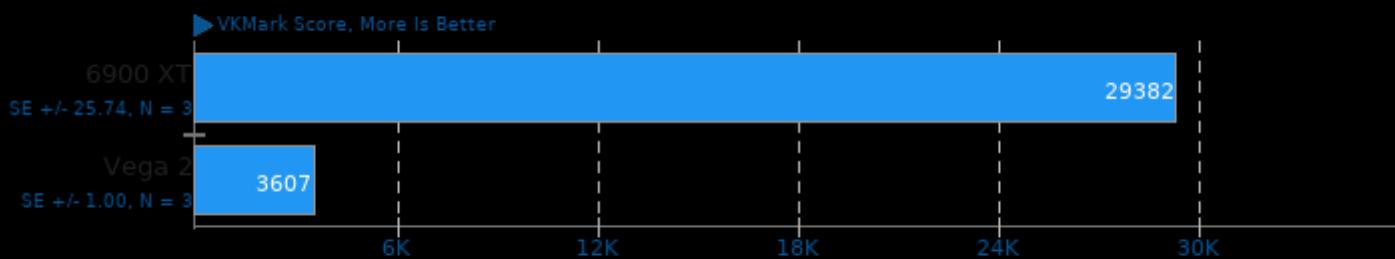
Resolution: 800 x 600 - Present Mode: Mailbox



1. (CXX) g++ options: -pthread -ldl -std=c++14 -O0 -MD -MQ -MF

## VKMark 2022-05-16

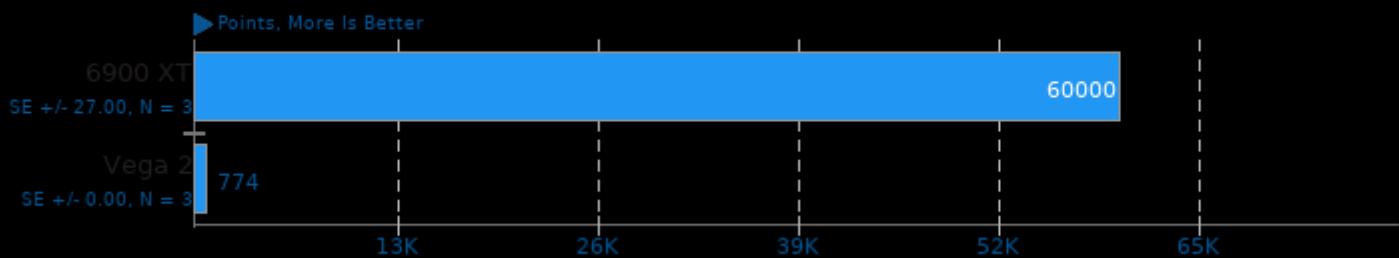
Resolution: 800 x 600 - Present Mode: Immediate



1. (CXX) g++ options: -pthread -ldl -std=c++14 -O0 -MD -MQ -MF

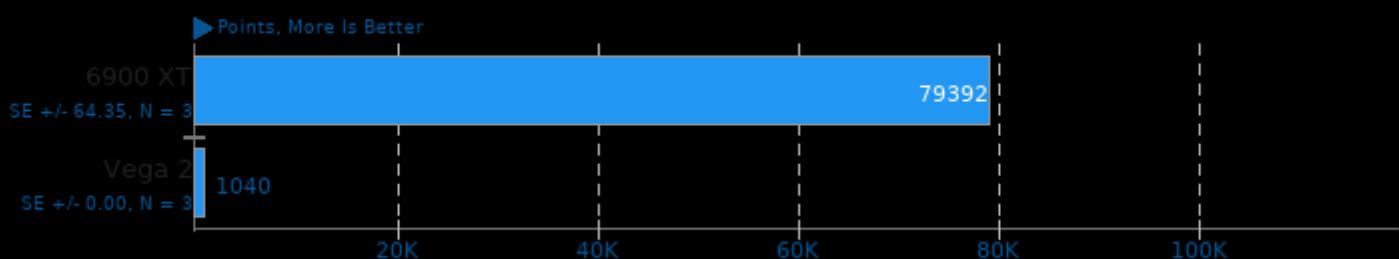
## GpuTest 0.7.0

Test: Furmark - Resolution: 1024 x 768 - Mode: Windowed



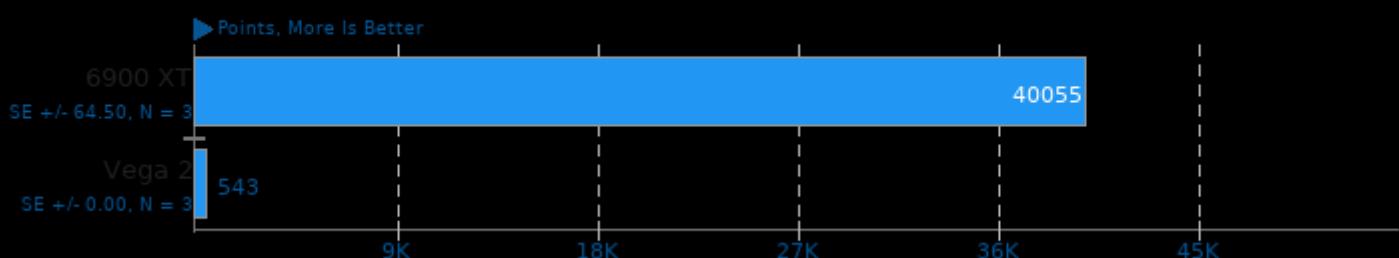
## GpuTest 0.7.0

Test: Furmark - Resolution: 800 x 600 - Mode: Windowed



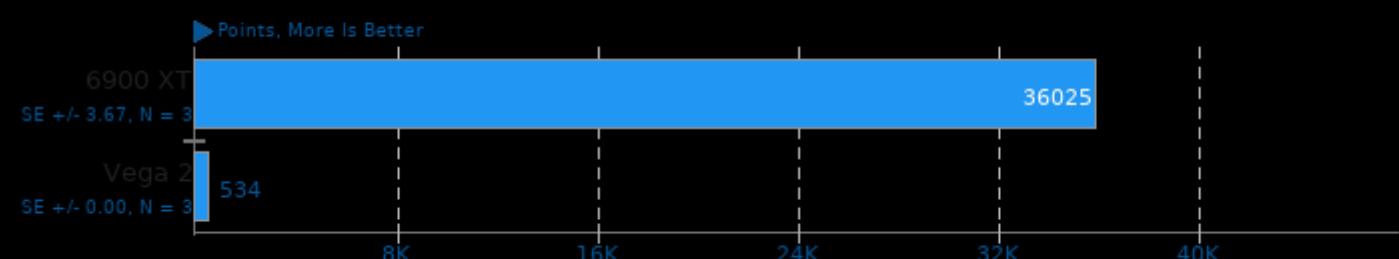
## GpuTest 0.7.0

Test: Furmark - Resolution: 1280 x 1024 - Mode: Windowed



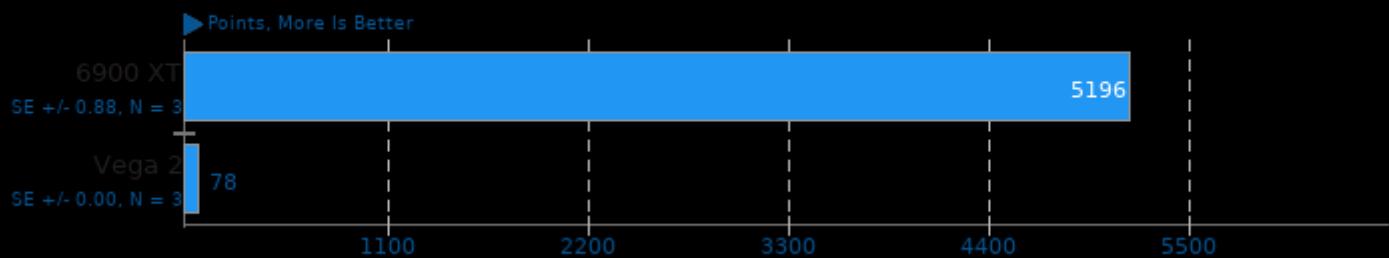
## GpuTest 0.7.0

Test: Furmark - Resolution: 1920 x 1080 - Mode: Windowed



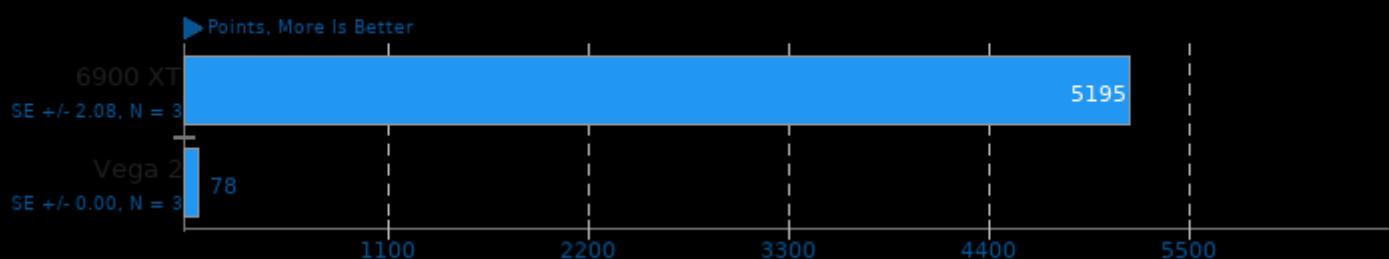
## GpuTest 0.7.0

Test: Pixmark Piano - Resolution: 1920 x 1200 - Mode: Fullscreen



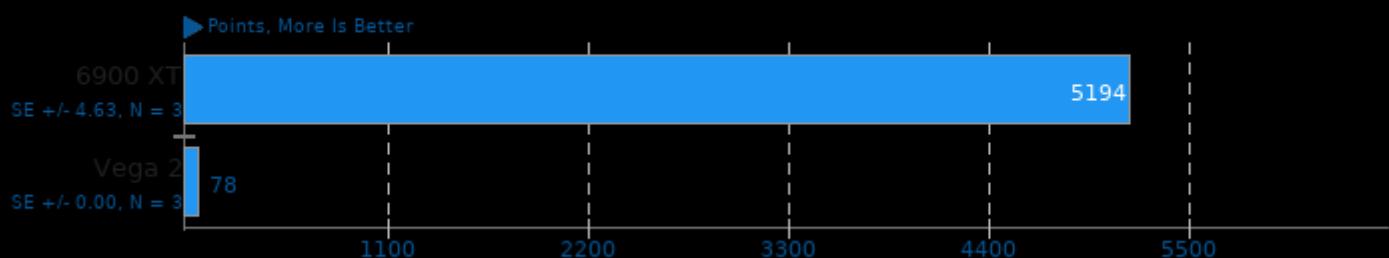
## GpuTest 0.7.0

Test: Pixmark Piano - Resolution: 800 x 600 - Mode: Fullscreen



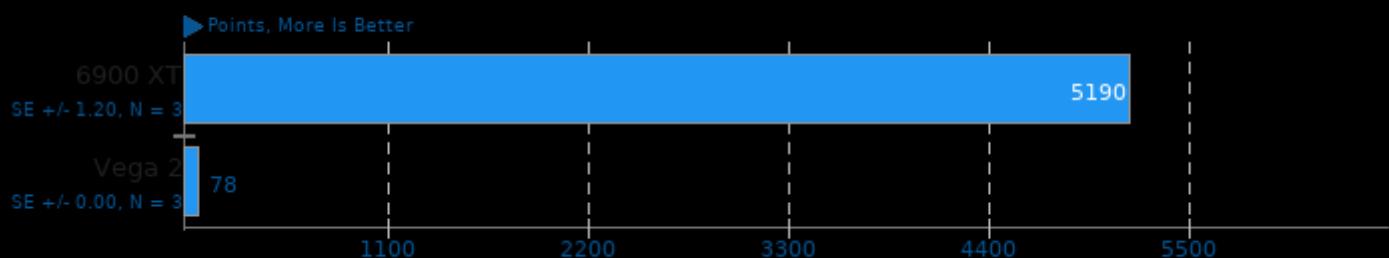
## GpuTest 0.7.0

Test: Pixmark Piano - Resolution: 1920 x 1080 - Mode: Fullscreen



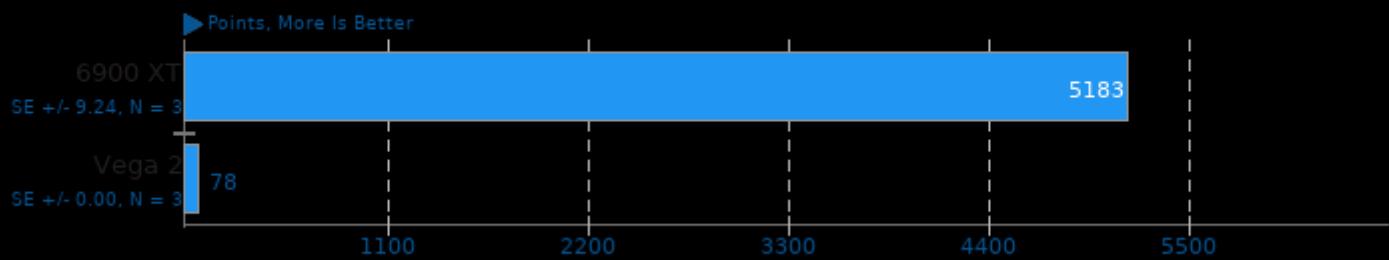
## GpuTest 0.7.0

Test: Pixmark Piano - Resolution: 2560 x 1440 - Mode: Fullscreen



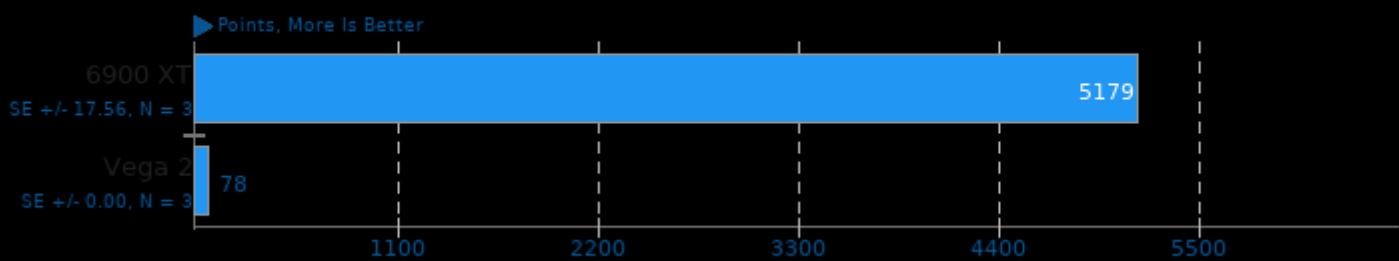
## GpuTest 0.7.0

Test: Pixmark Piano - Resolution: 1600 x 1200 - Mode:Fullscreen



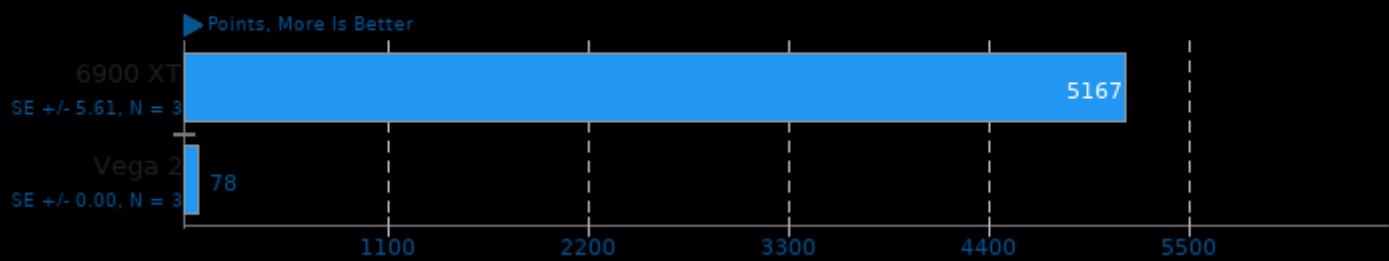
## GpuTest 0.7.0

Test: Pixmark Piano - Resolution: 1280 x 1024 - Mode:Fullscreen



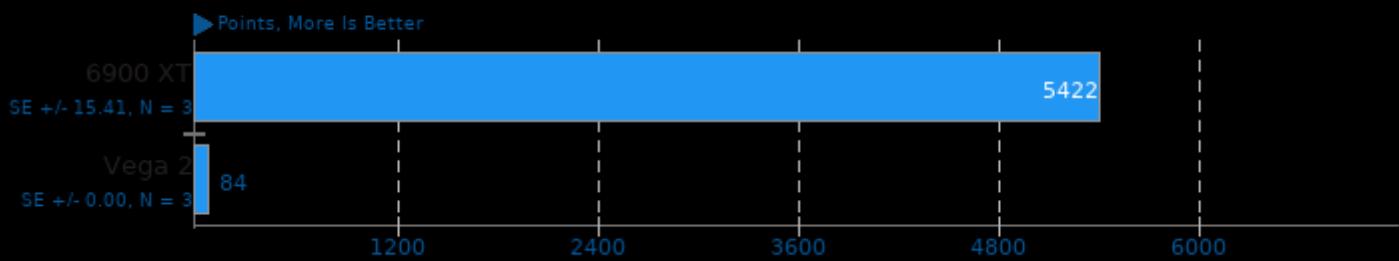
## GpuTest 0.7.0

Test: Pixmark Piano - Resolution: 1024 x 768 - Mode:Fullscreen



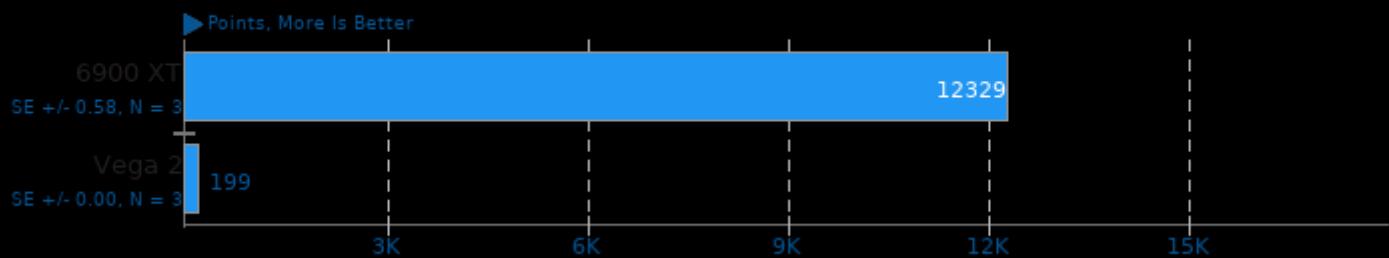
## GpuTest 0.7.0

Test: Pixmark Piano - Resolution: 2560 x 1440 - Mode:Windowed



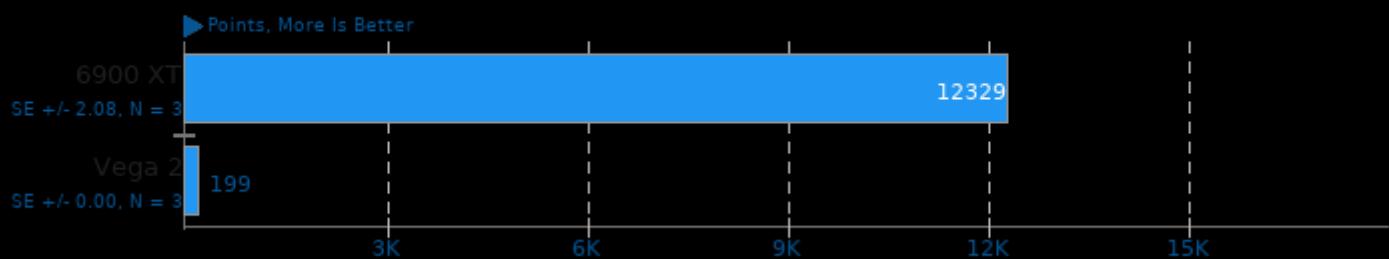
## GpuTest 0.7.0

Test: Pixmark Volplosion - Resolution: 1920 x 1080 - Mode: Fullscreen



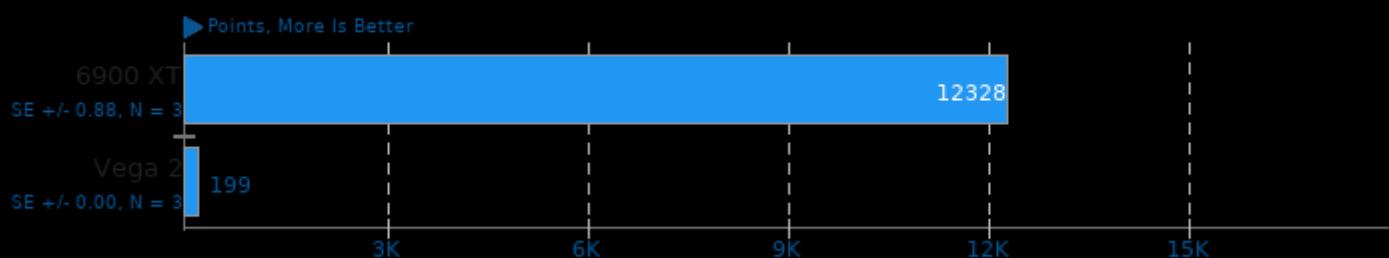
## GpuTest 0.7.0

Test: Pixmark Volplosion - Resolution: 1024 x 768 - Mode: Fullscreen



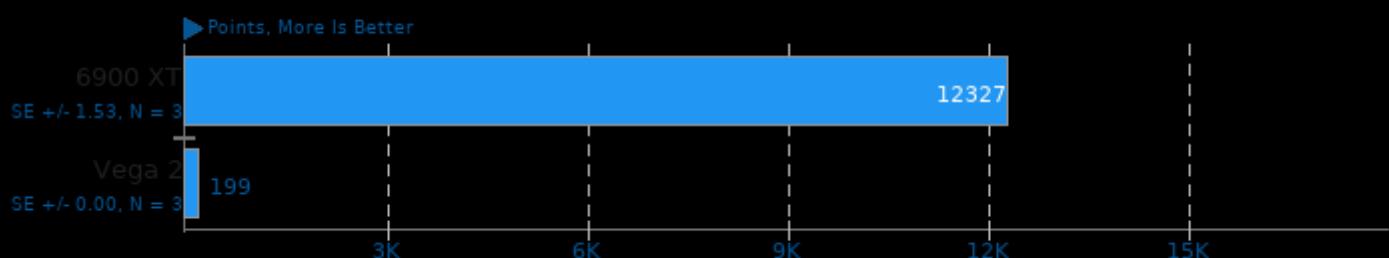
## GpuTest 0.7.0

Test: Pixmark Volplosion - Resolution: 1600 x 1200 - Mode: Fullscreen



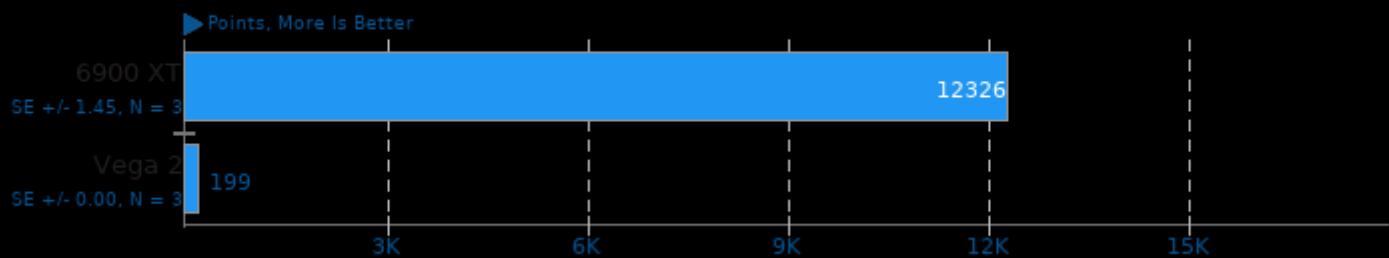
## GpuTest 0.7.0

Test: Pixmark Volplosion - Resolution: 1920 x 1200 - Mode: Fullscreen



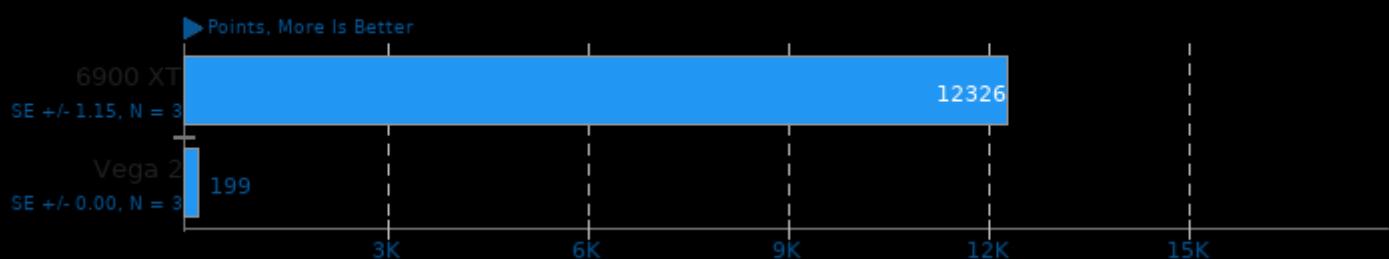
## GpuTest 0.7.0

Test: Pixmark Volplosion - Resolution: 1280 x 1024 - Mode: Fullscreen



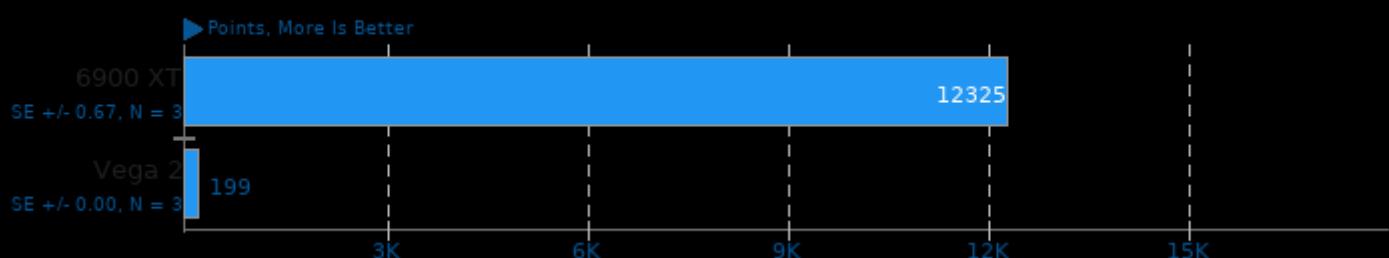
## GpuTest 0.7.0

Test: Pixmark Volplosion - Resolution: 800 x 600 - Mode: Fullscreen



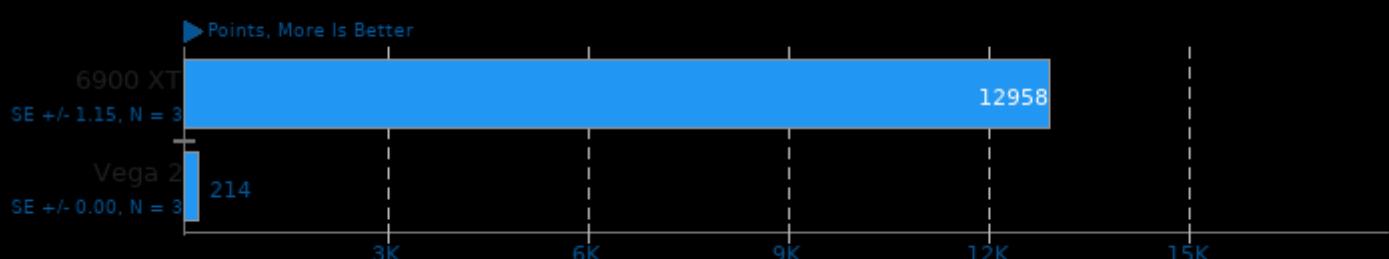
## GpuTest 0.7.0

Test: Pixmark Volplosion - Resolution: 2560 x 1440 - Mode: Fullscreen



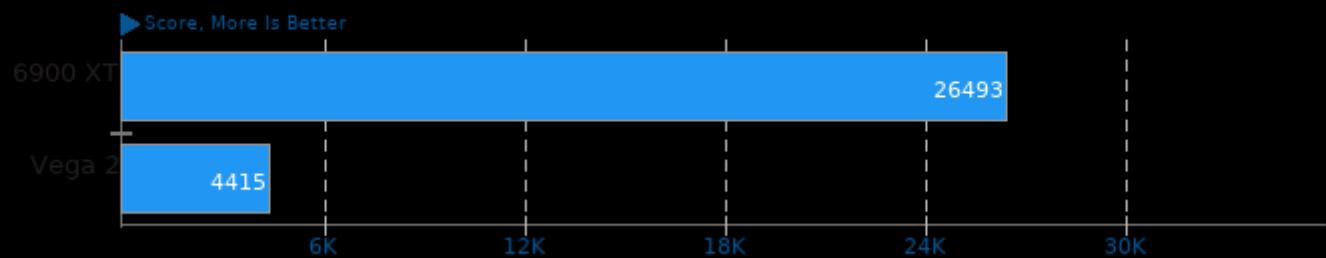
## GpuTest 0.7.0

Test: Pixmark Volplosion - Resolution: 2560 x 1440 - Mode: Windowed



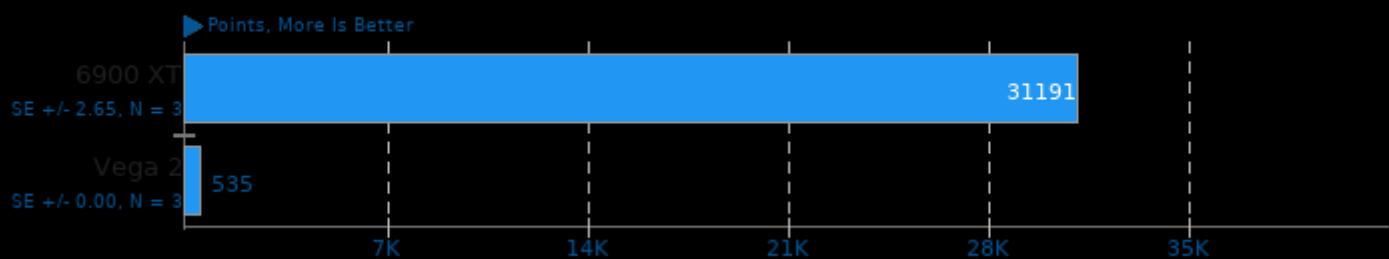
## GLmark2

Resolution: 800 x 600



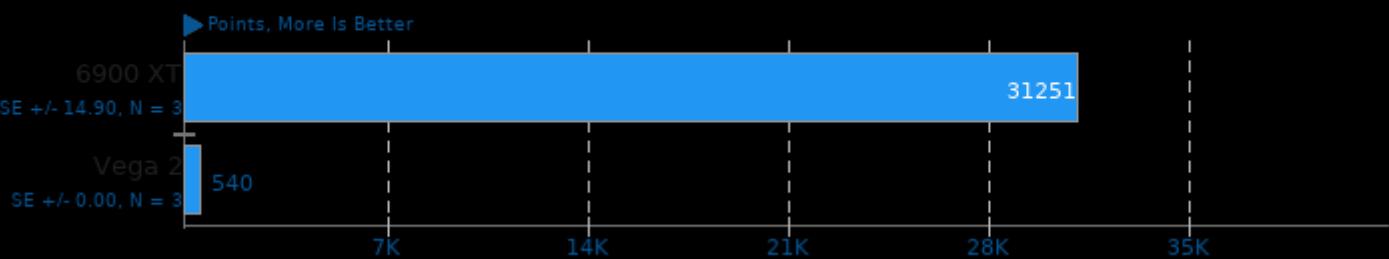
## GpuTest 0.7.0

Test: Furmark - Resolution: 1920 x 1200 - Mode: Windowed



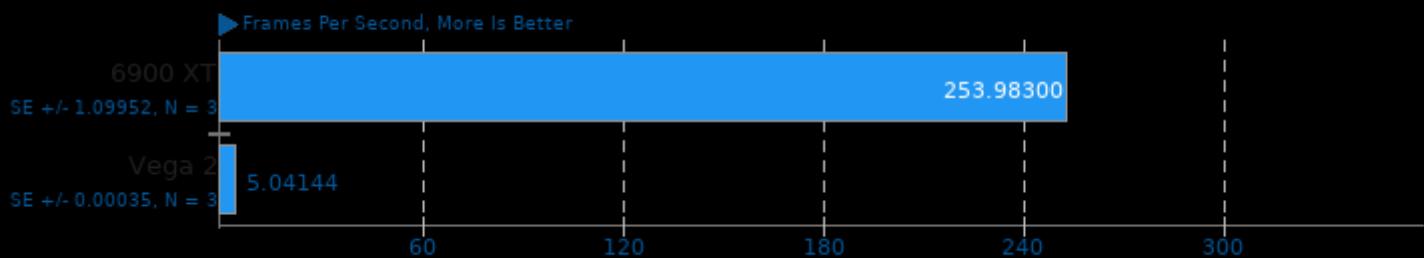
## GpuTest 0.7.0

Test: Furmark - Resolution: 1600 x 1200 - Mode: Windowed



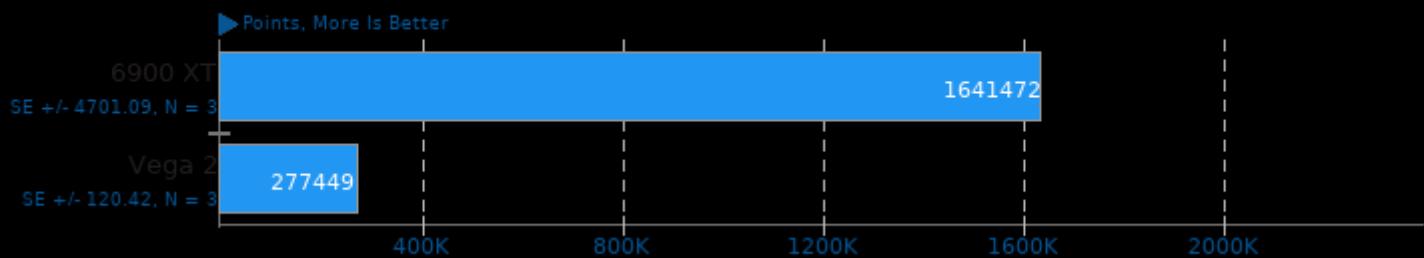
## Unigine Valley 1.0

Resolution: 1920 x 1200 - Mode: Windowed - Renderer: OpenGL



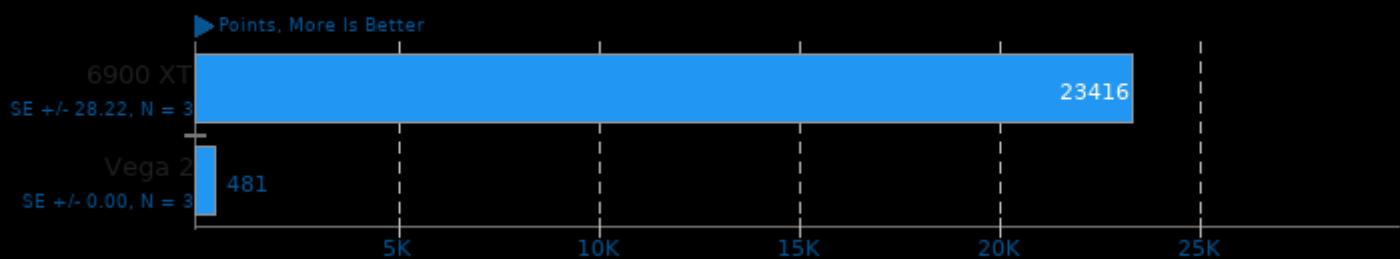
## GpuTest 0.7.0

Test: Triangle - Resolution: 1024 x 768 - Mode: Windowed



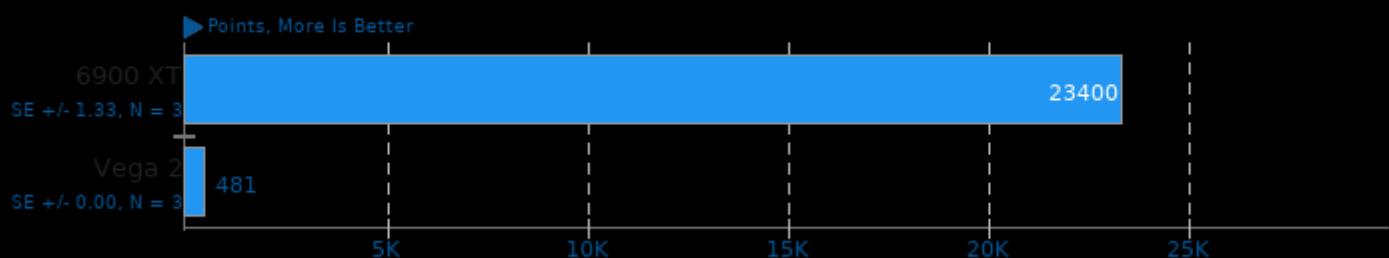
## GpuTest 0.7.0

Test: Furmark - Resolution: 1024 x 768 - Mode: Fullscreen



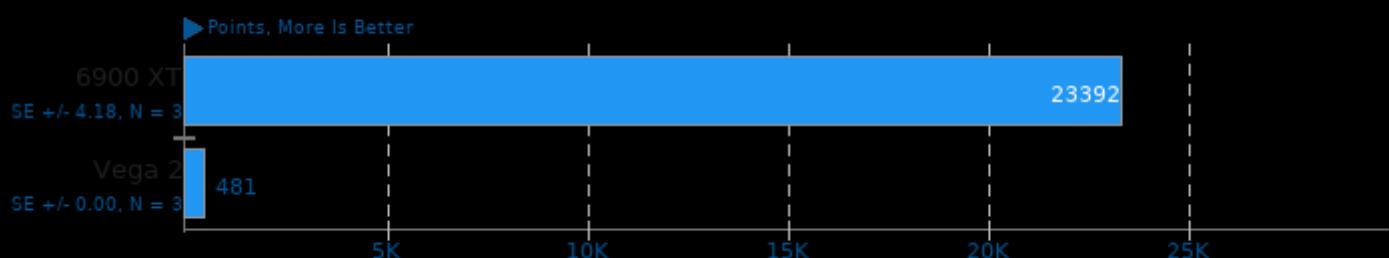
## GpuTest 0.7.0

Test: Furmark - Resolution: 1280 x 1024 - Mode: Fullscreen



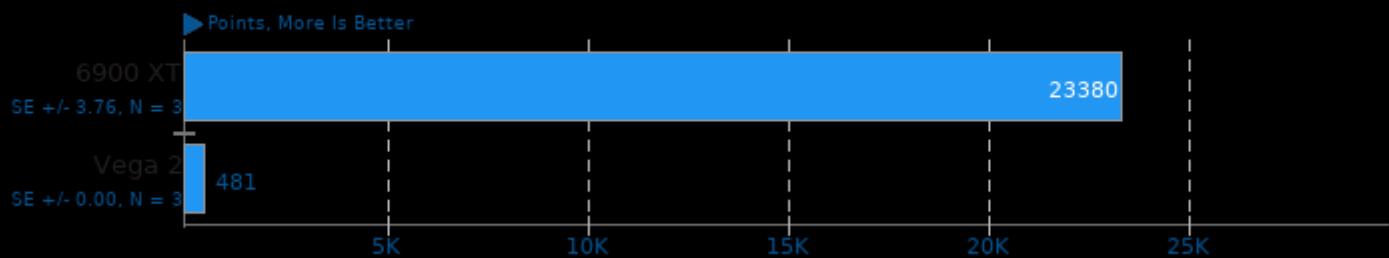
## GpuTest 0.7.0

Test: Furmark - Resolution: 1600 x 1200 - Mode: Fullscreen



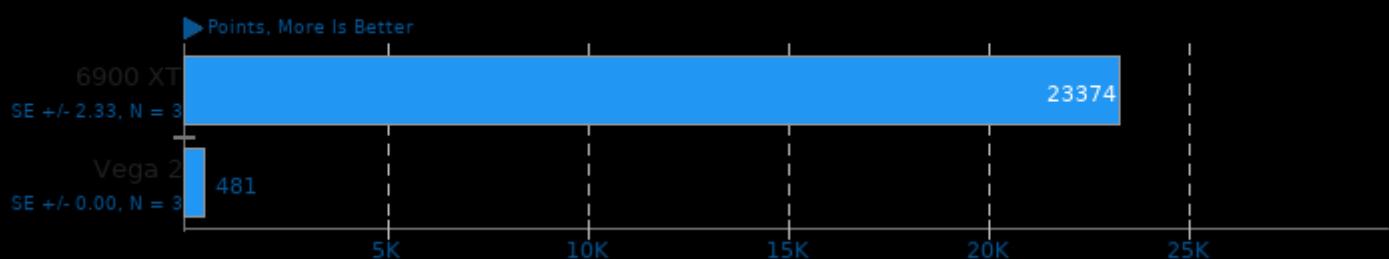
## GpuTest 0.7.0

Test: Furmark - Resolution: 2560 x 1440 - Mode: Fullscreen



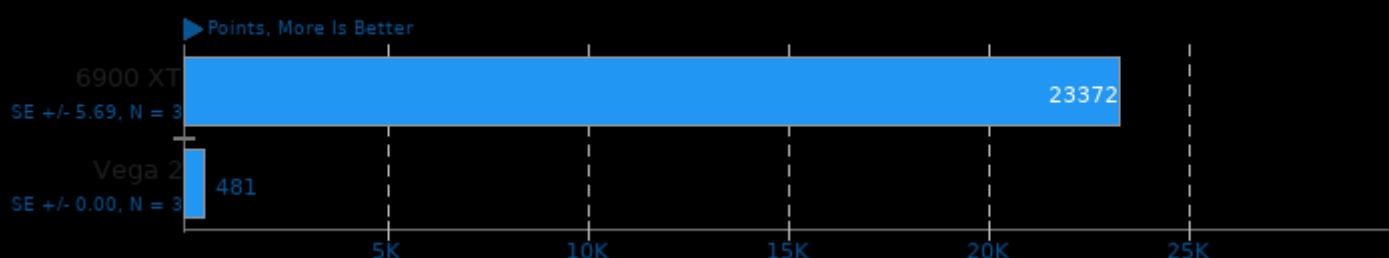
## GpuTest 0.7.0

Test: Furmark - Resolution: 1920 x 1080 - Mode: Fullscreen



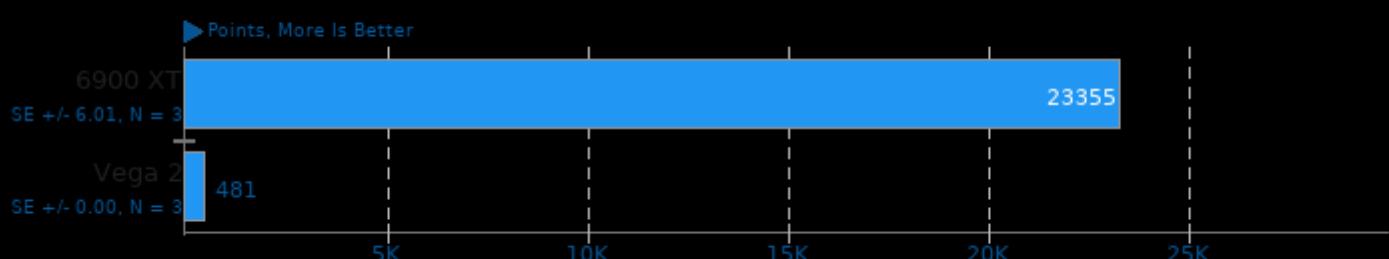
## GpuTest 0.7.0

Test: Furmark - Resolution: 1920 x 1200 - Mode: Fullscreen



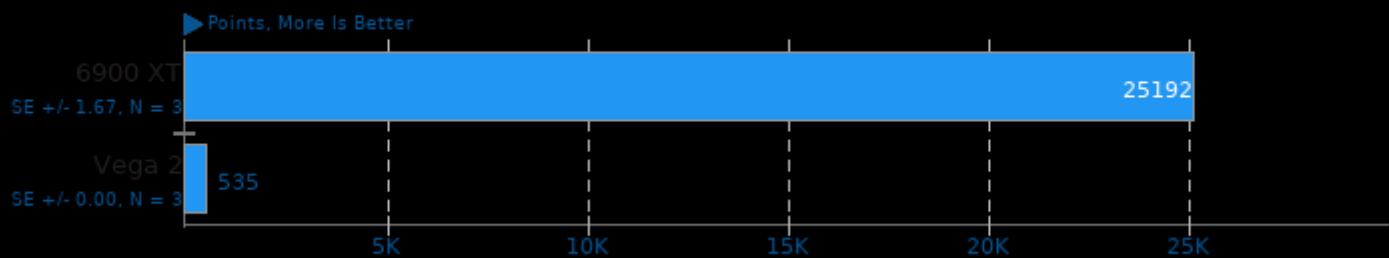
## GpuTest 0.7.0

Test: Furmark - Resolution: 800 x 600 - Mode: Fullscreen



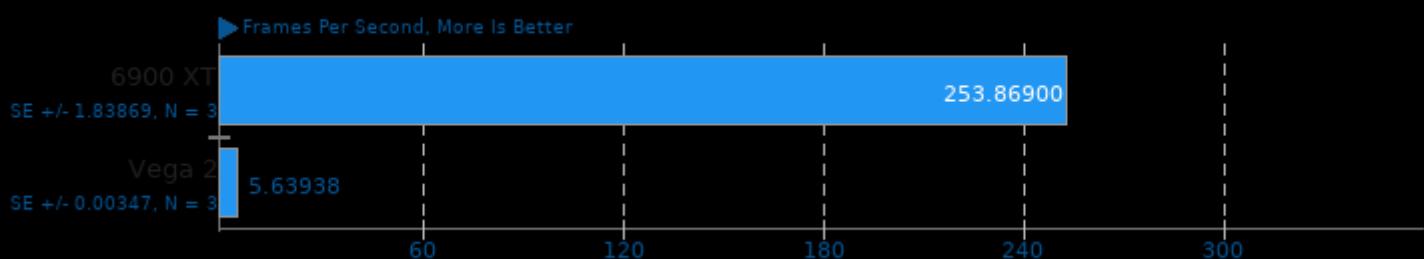
## GpuTest 0.7.0

Test: Furmark - Resolution: 2560 x 1440 - Mode: Windowed



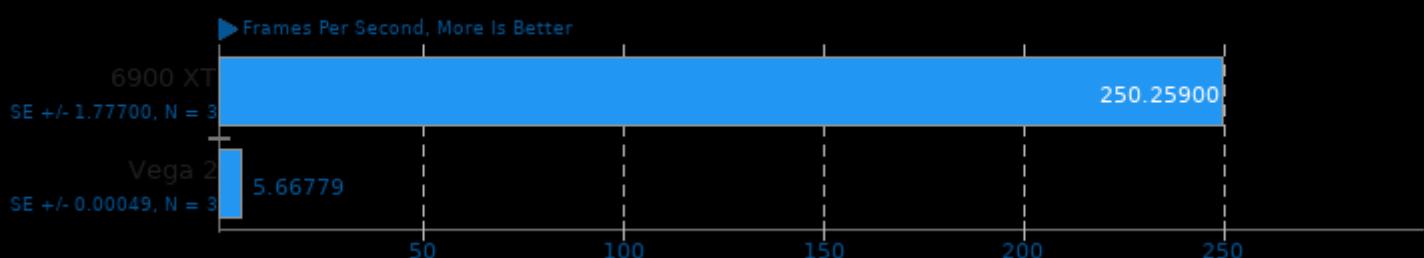
## Unigine Valley 1.0

Resolution: 1920 x 1200 - Mode: Fullscreen - Renderer: OpenGL



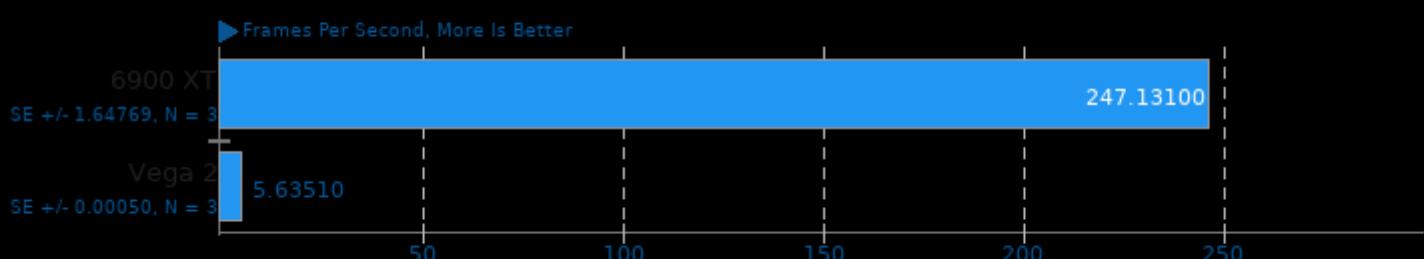
## Unigine Valley 1.0

Resolution: 2560 x 1440 - Mode: Fullscreen - Renderer: OpenGL



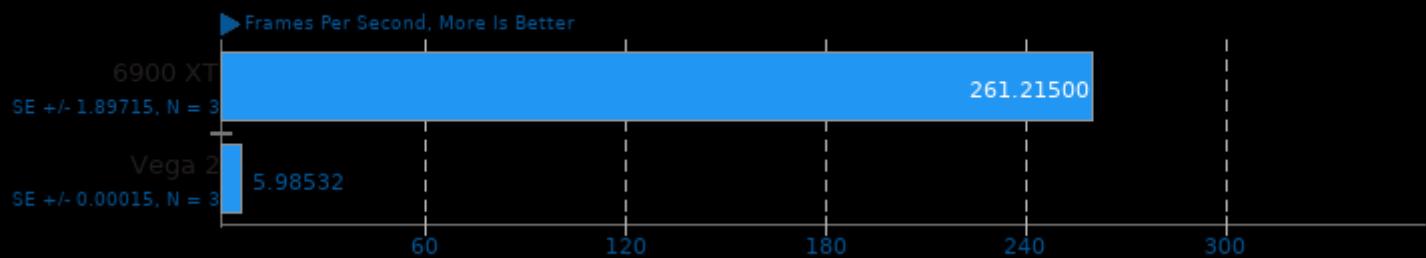
## Unigine Valley 1.0

Resolution: 1920 x 1080 - Mode: Fullscreen - Renderer: OpenGL



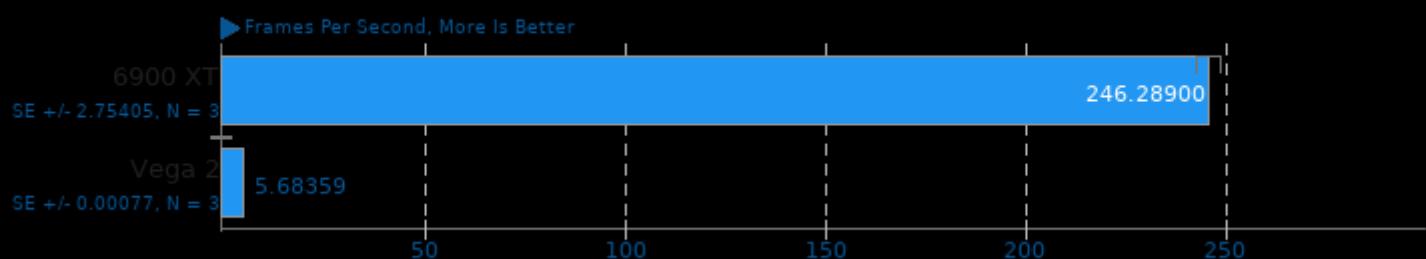
## Unigine Valley 1.0

Resolution: 1600 x 1200 - Mode: Windowed - Renderer: OpenGL



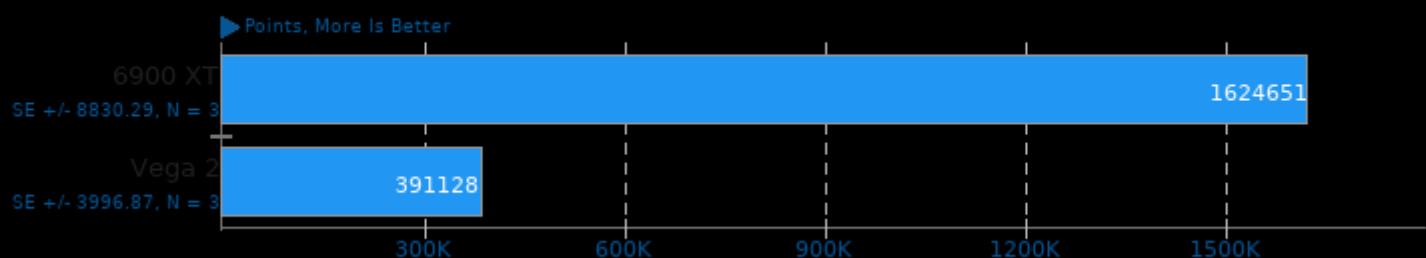
## Unigine Valley 1.0

Resolution: 1920 x 1080 - Mode: Windowed - Renderer: OpenGL



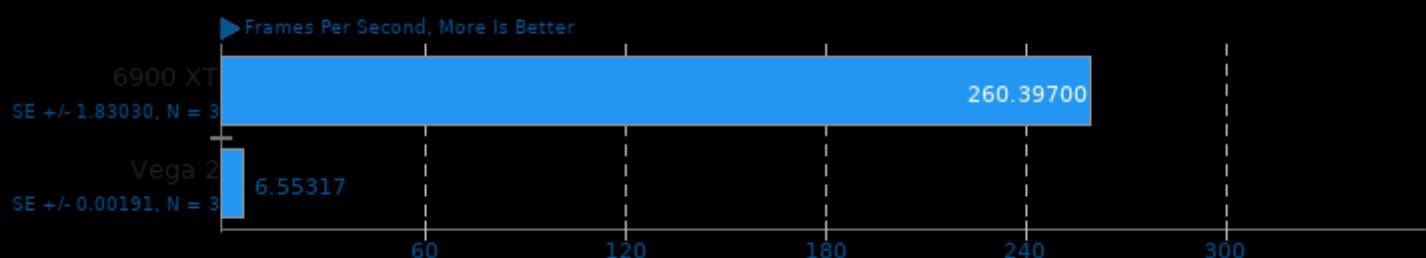
## GpuTest 0.7.0

Test: Triangle - Resolution: 800 x 600 - Mode: Windowed



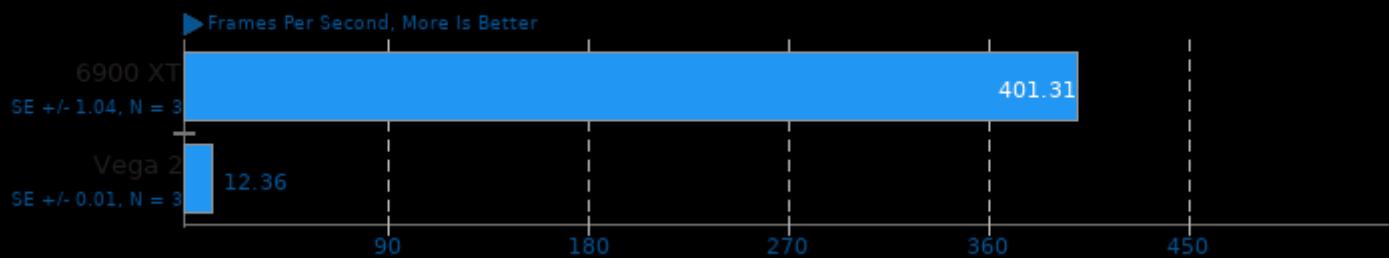
## Unigine Valley 1.0

Resolution: 1600 x 1200 - Mode: Fullscreen - Renderer: OpenGL



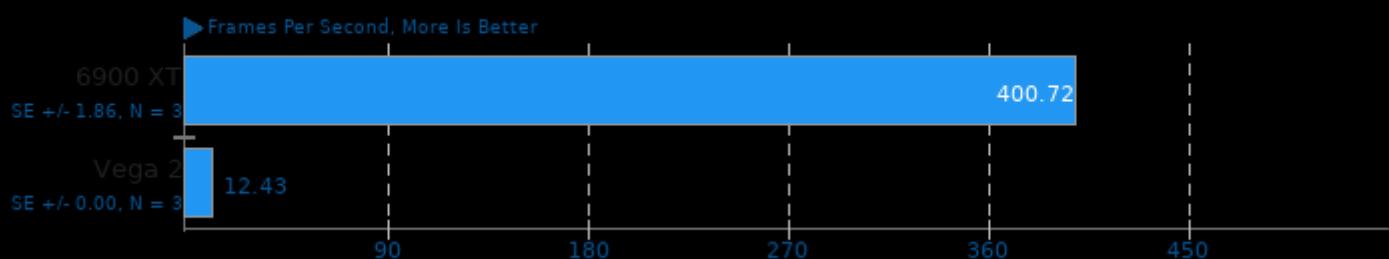
## Unigine Tropics 1.3

Resolution: 2560 x 1440 - Mode:Fullscreen



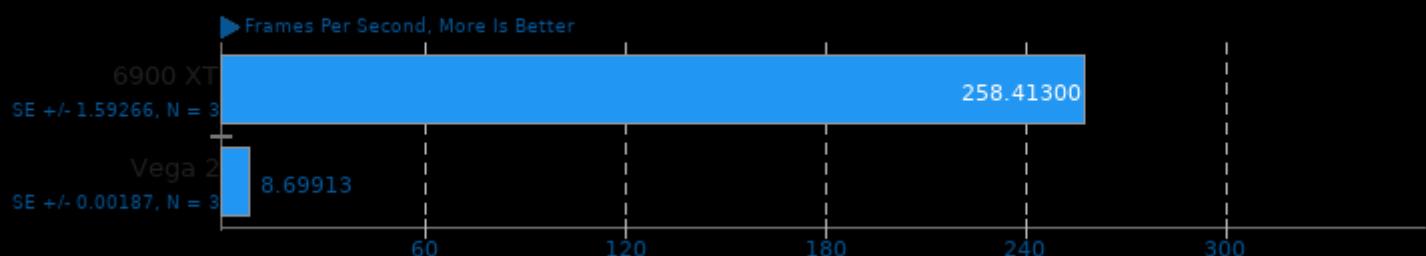
## Unigine Tropics 1.3

Resolution: 2560 x 1440 - Mode: Windowed



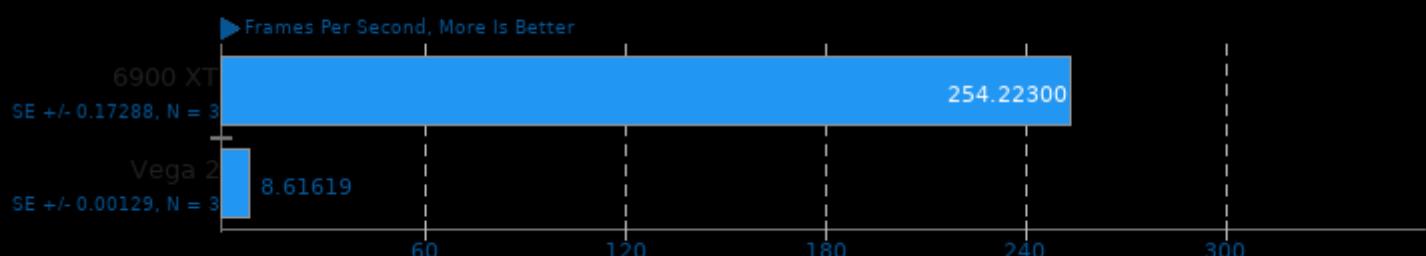
## Unigine Valley 1.0

Resolution: 1280 x 1024 - Mode: Windowed - Renderer: OpenGL



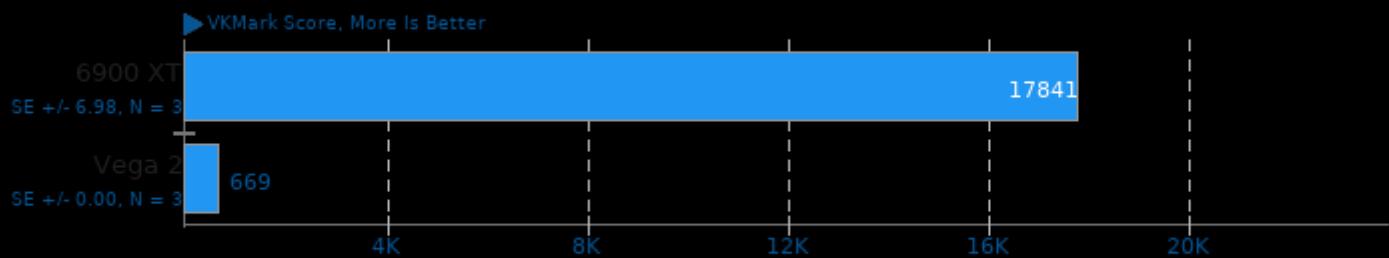
## Unigine Valley 1.0

Resolution: 1280 x 1024 - Mode:Fullscreen - Renderer: OpenGL



## VKMark 2022-05-16

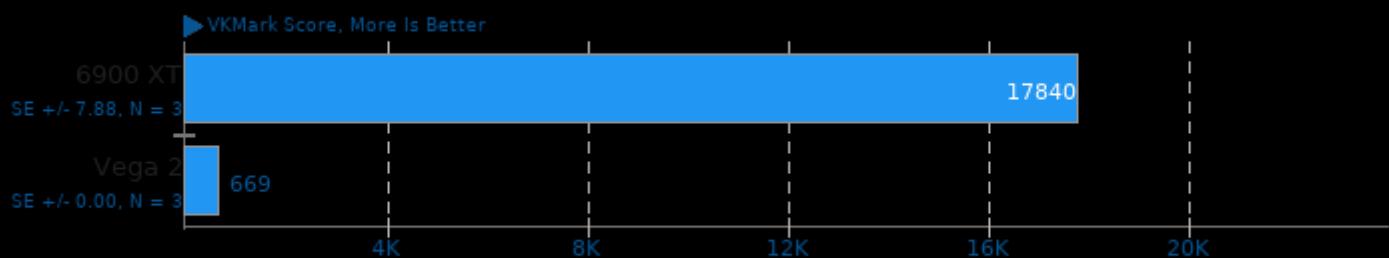
Resolution: 2560 x 1440 - Present Mode: Immediate



1. (CXX) g++ options: -pthread -ldl -std=c++14 -O0 -MD -MQ -MF

## VKMark 2022-05-16

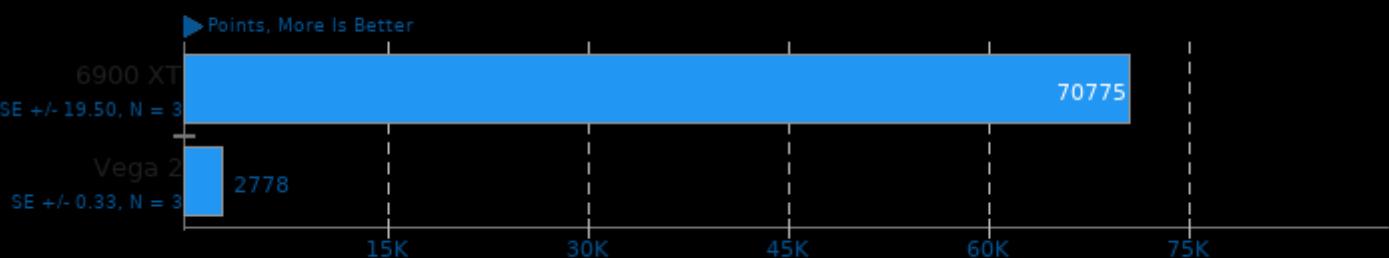
Resolution: 2560 x 1440 - Present Mode: Mailbox



1. (CXX) g++ options: -pthread -ldl -std=c++14 -O0 -MD -MQ -MF

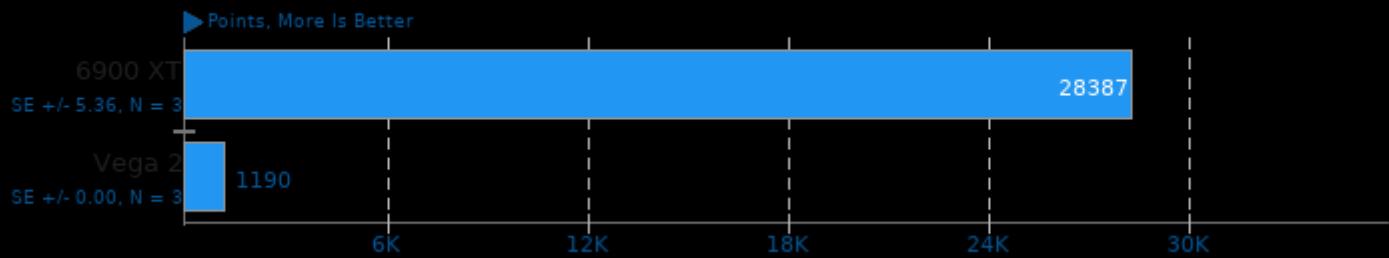
## GpuTest 0.7.0

Test: TessMark - Resolution: 800 x 600 - Mode: Windowed



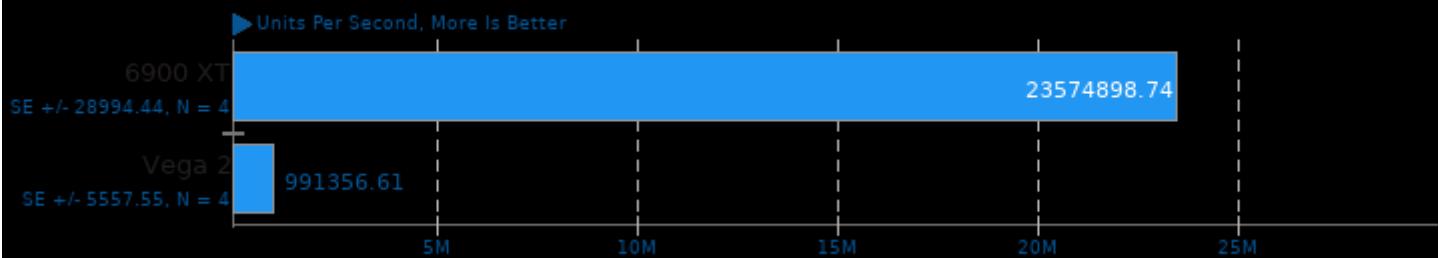
## GpuTest 0.7.0

Test: GiMark - Resolution: 1280 x 1024 - Mode: Windowed



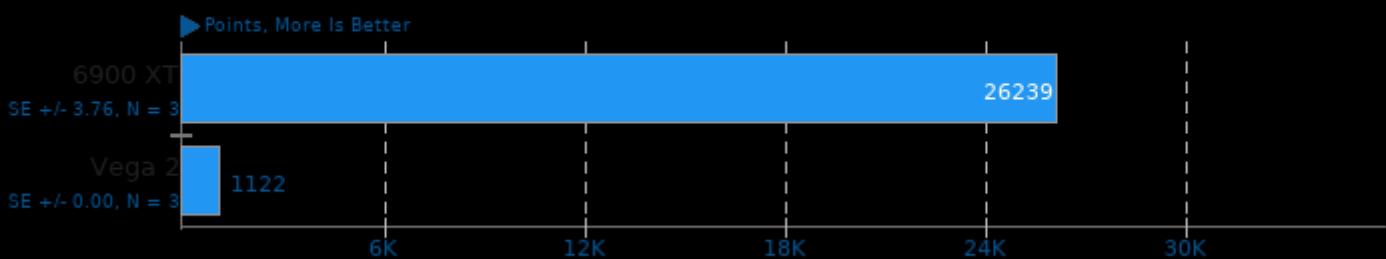
## Java 2D Microbenchmark 1.0

Rendering Test: Vector Graphics Rendering



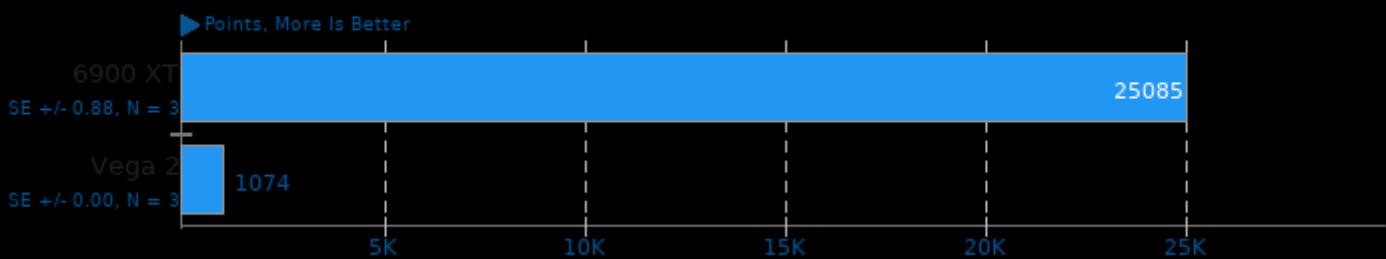
## GpuTest 0.7.0

Test: GiMark - Resolution: 1600 x 1200 - Mode: Windowed



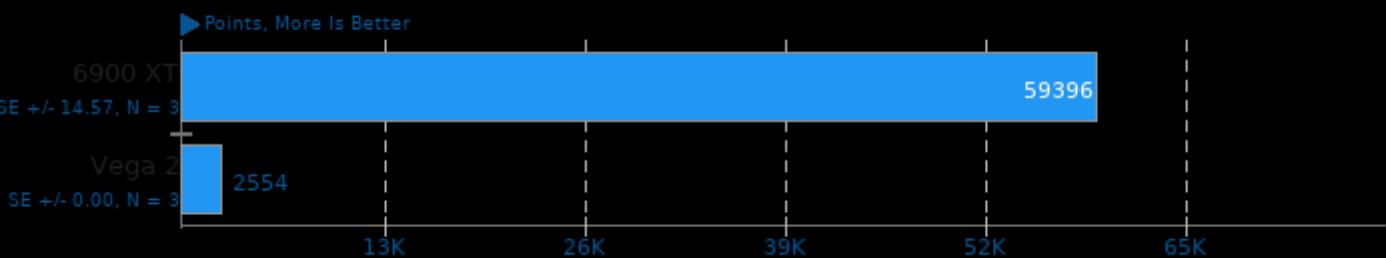
## GpuTest 0.7.0

Test: GiMark - Resolution: 1920 x 1080 - Mode: Windowed



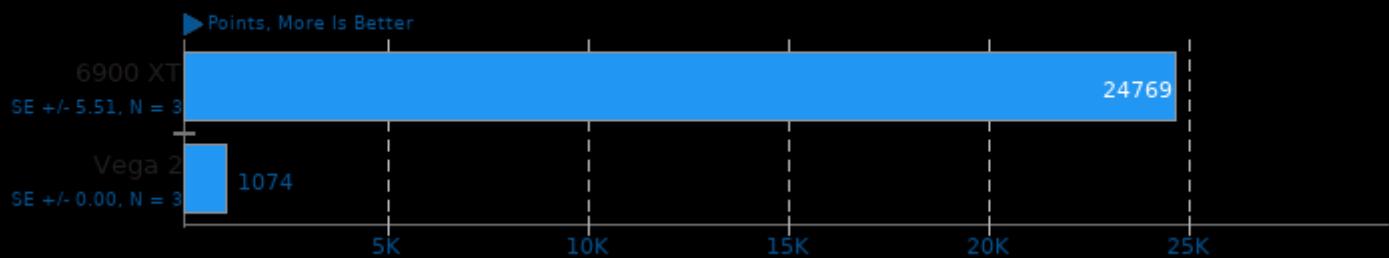
## GpuTest 0.7.0

Test: TessMark - Resolution: 1024 x 768 - Mode: Windowed



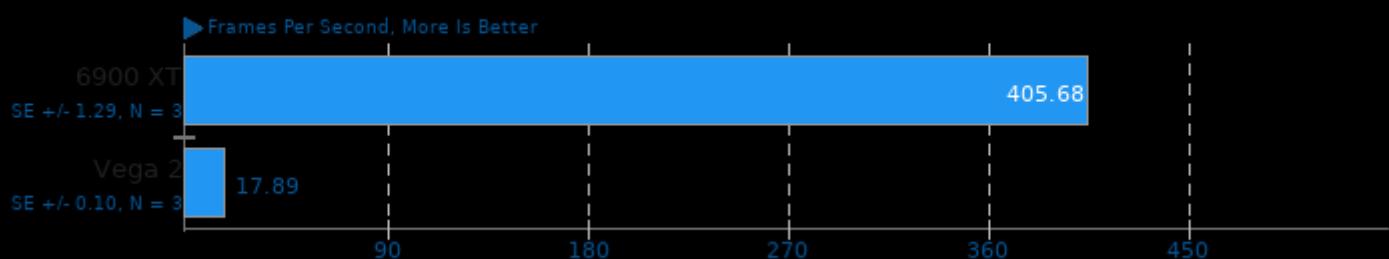
## GpuTest 0.7.0

Test: GiMark - Resolution: 1920 x 1200 - Mode: Windowed



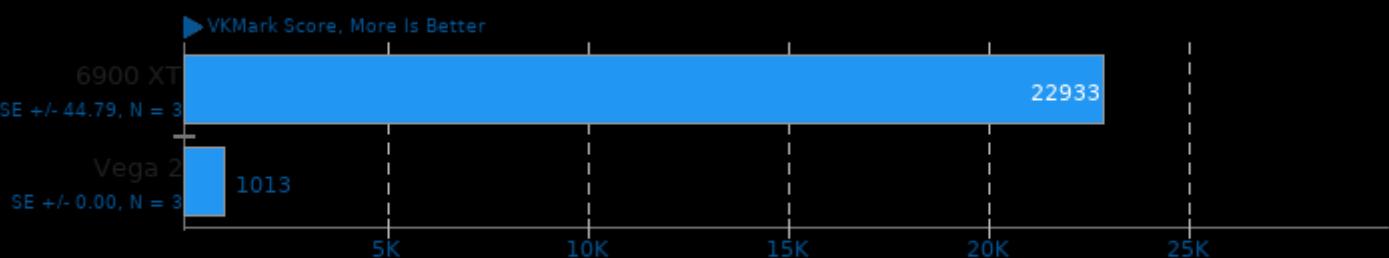
## Unigine Tropics 1.3

Resolution: 1920 x 1200 - Mode: Fullscreen



## VKMark 2022-05-16

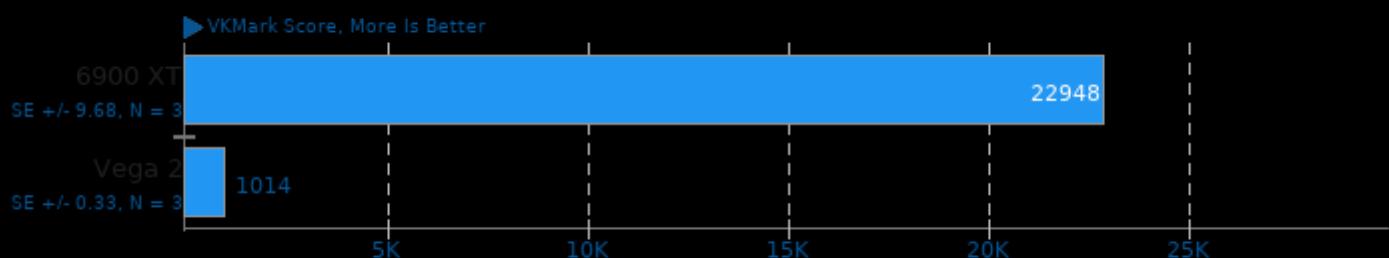
Resolution: 1920 x 1200 - Present Mode: Immediate



1. (CXX) g++ options: -pthread -ldl -std=c++14 -O0 -MD -MQ -MF

## VKMark 2022-05-16

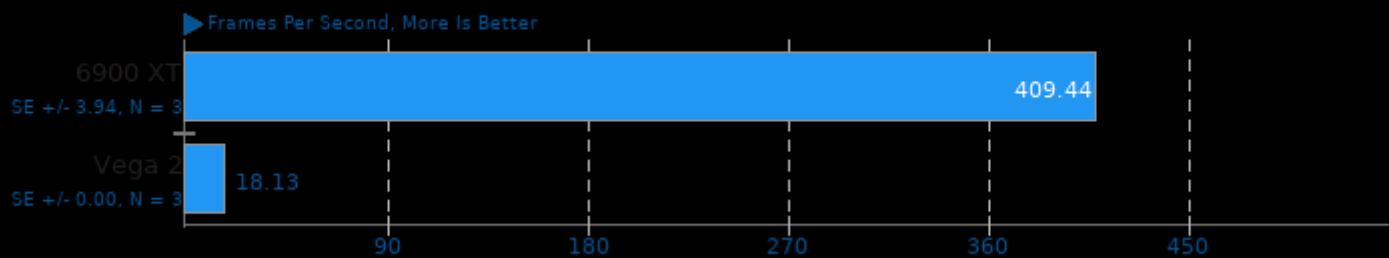
Resolution: 1920 x 1200 - Present Mode: Mailbox



1. (CXX) g++ options: -pthread -ldl -std=c++14 -O0 -MD -MQ -MF

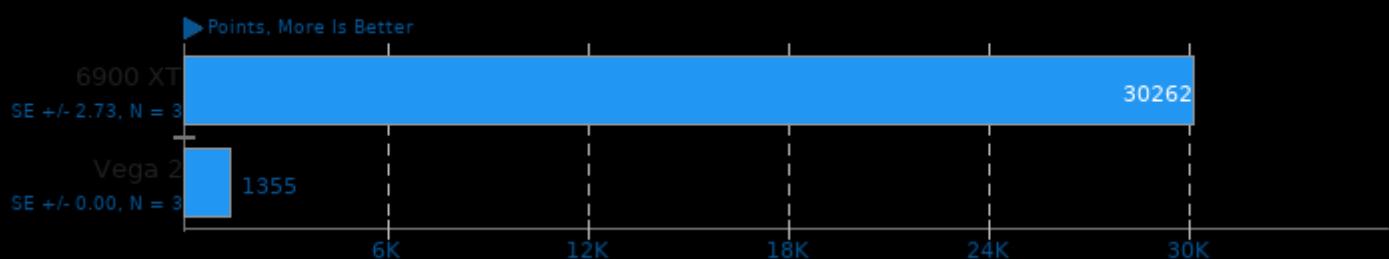
## Unigine Tropics 1.3

Resolution: 1920 x 1200 - Mode: Windowed



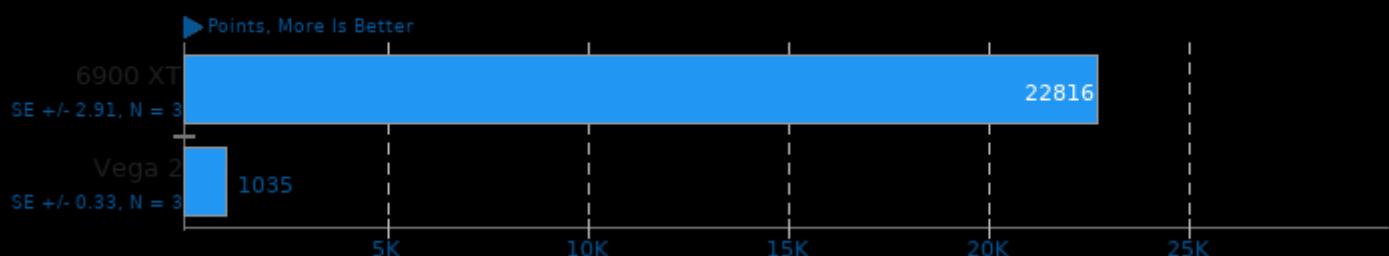
## GpuTest 0.7.0

Test: GiMark - Resolution: 1024 x 768 - Mode: Windowed



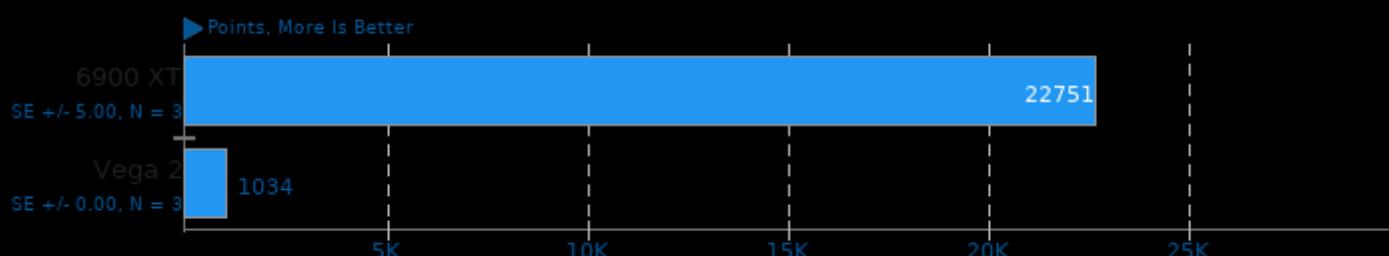
## GpuTest 0.7.0

Test: GiMark - Resolution: 800 x 600 - Mode: Fullscreen



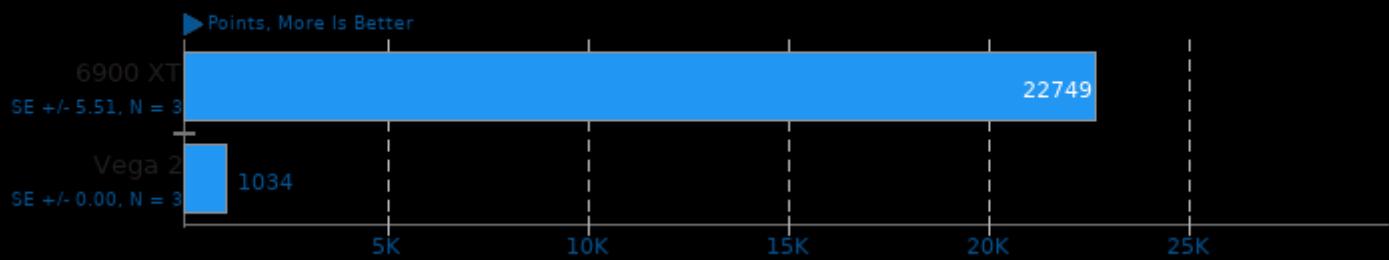
## GpuTest 0.7.0

Test: GiMark - Resolution: 1600 x 1200 - Mode: Fullscreen



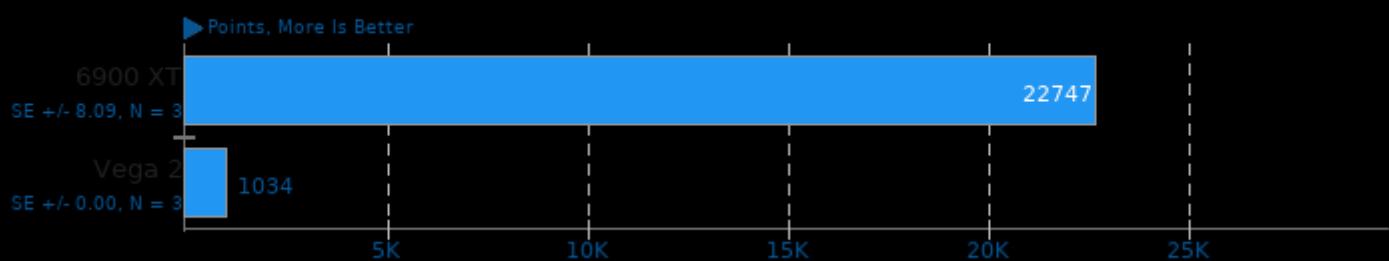
## GpuTest 0.7.0

Test: GiMark - Resolution: 1920 x 1080 - Mode: Fullscreen



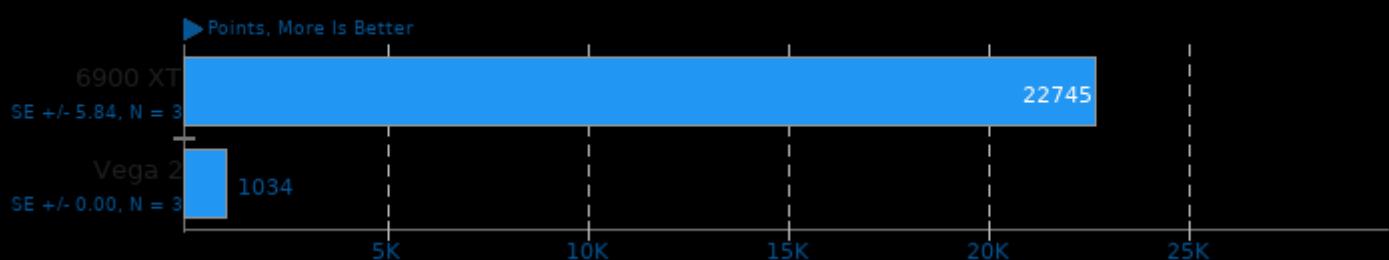
## GpuTest 0.7.0

Test: GiMark - Resolution: 1920 x 1200 - Mode: Fullscreen



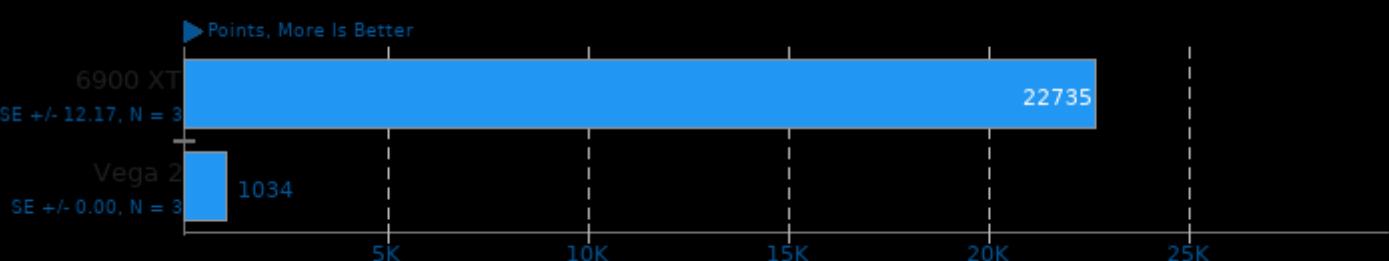
## GpuTest 0.7.0

Test: GiMark - Resolution: 2560 x 1440 - Mode: Fullscreen



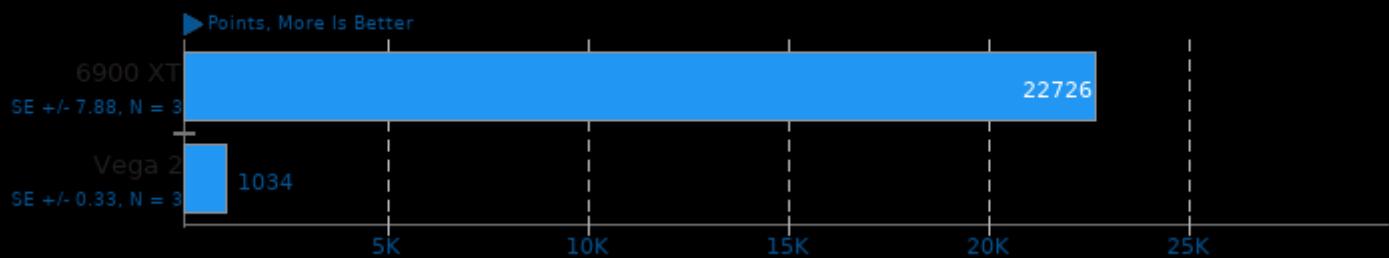
## GpuTest 0.7.0

Test: GiMark - Resolution: 1280 x 1024 - Mode: Fullscreen



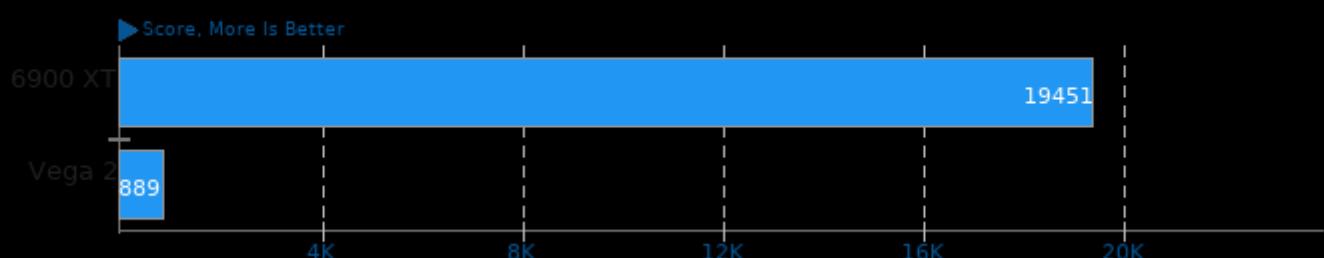
## GpuTest 0.7.0

Test: GiMark - Resolution: 1024 x 768 - Mode:Fullscreen



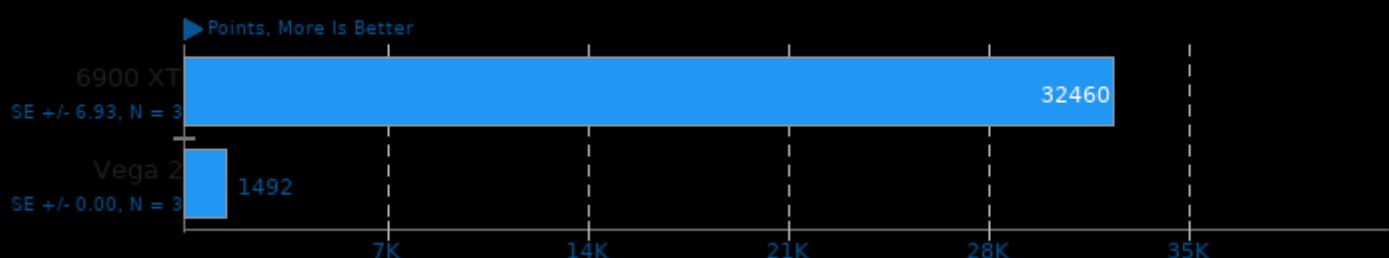
## GLmark2

Resolution: 2560 x 1440



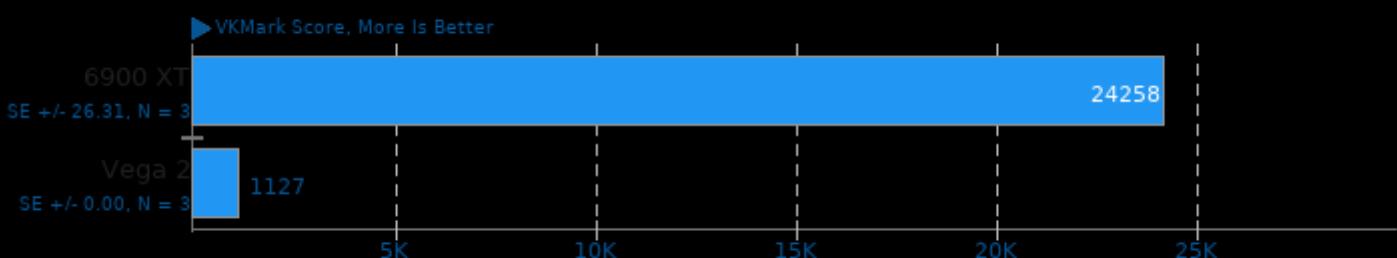
## GpuTest 0.7.0

Test: GiMark - Resolution: 800 x 600 - Mode: Windowed



## VKMark 2022-05-16

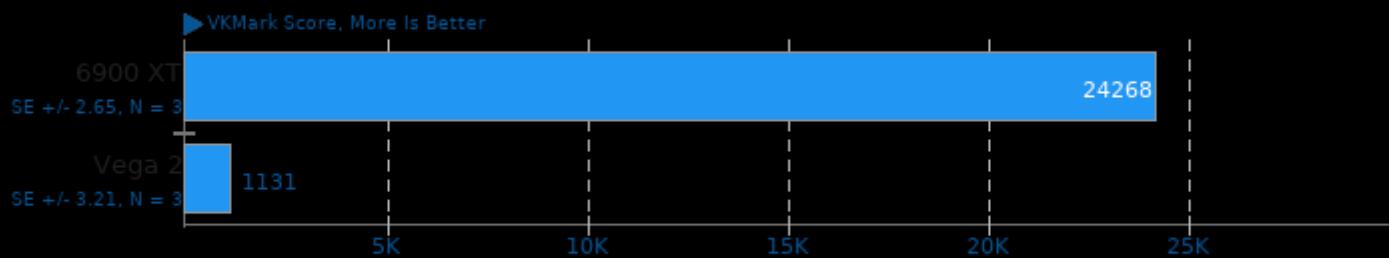
Resolution: 1920 x 1080 - Present Mode: Immediate



1. (CXX) g++ options: -pthread -ldl -std=c++14 -O0 -MD -MQ -MF

## VKMark 2022-05-16

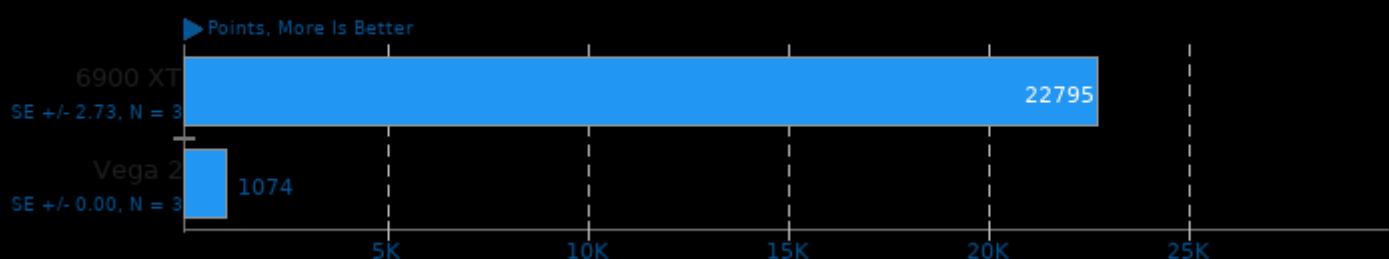
Resolution: 1920 x 1080 - Present Mode: Mailbox



1. (CXX) g++ options: -pthread -ldl -std=c++14 -O0 -MD -MQ -MF

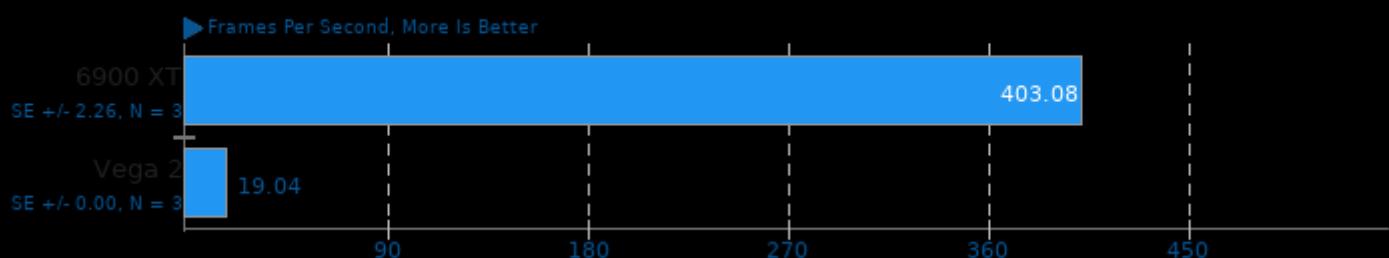
## GpuTest 0.7.0

Test: GiMark - Resolution: 2560 x 1440 - Mode: Windowed



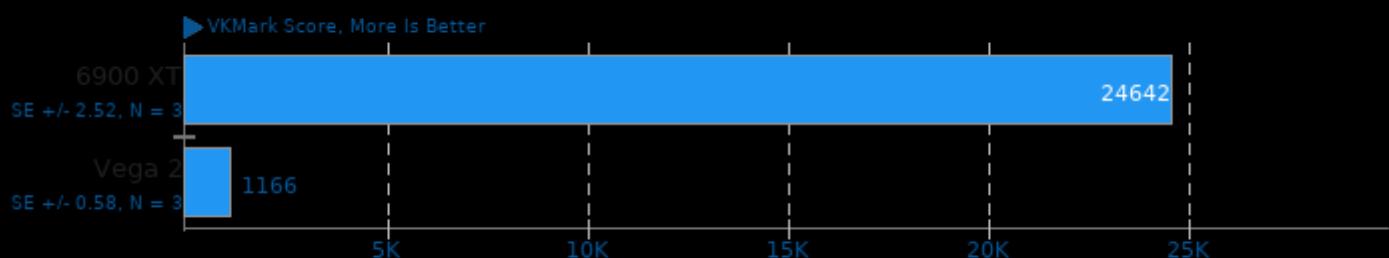
## Unigine Tropics 1.3

Resolution: 1920 x 1080 - Mode: Fullscreen



## VKMark 2022-05-16

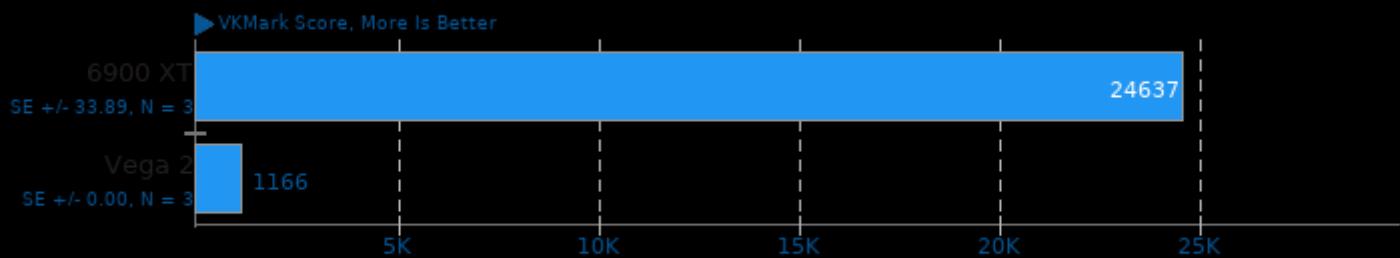
Resolution: 1600 x 1200 - Present Mode: Immediate



1. (CXX) g++ options: -pthread -ldl -std=c++14 -O0 -MD -MQ -MF

## VKMark 2022-05-16

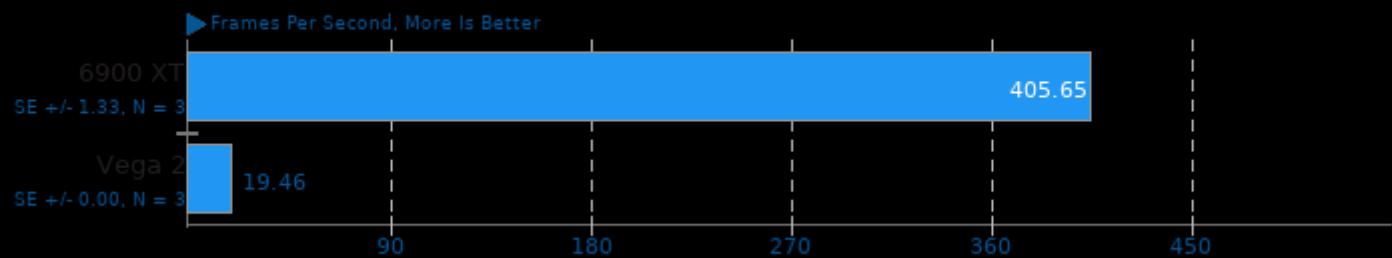
Resolution: 1600 x 1200 - Present Mode: Mailbox



1. (CXX) g++ options: -pthread -ldl -std=c++14 -O0 -MD -MQ -MF

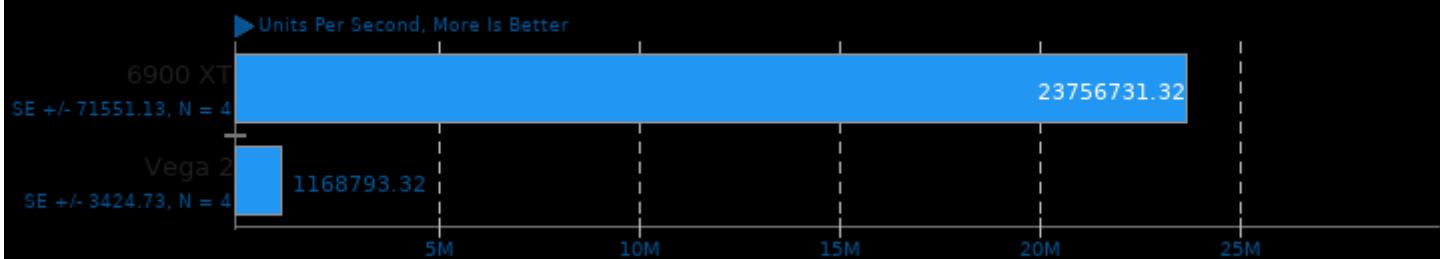
## Unigine Tropics 1.3

Resolution: 1920 x 1080 - Mode: Windowed



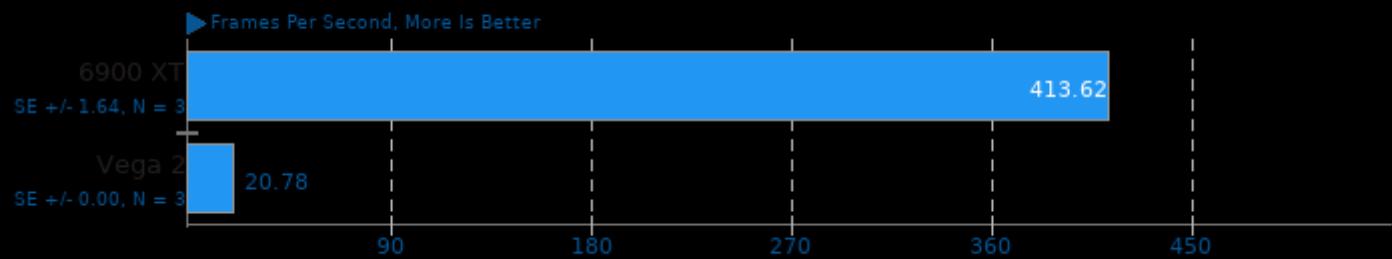
## Java 2D Microbenchmark 1.0

Rendering Test: All Rendering Tests



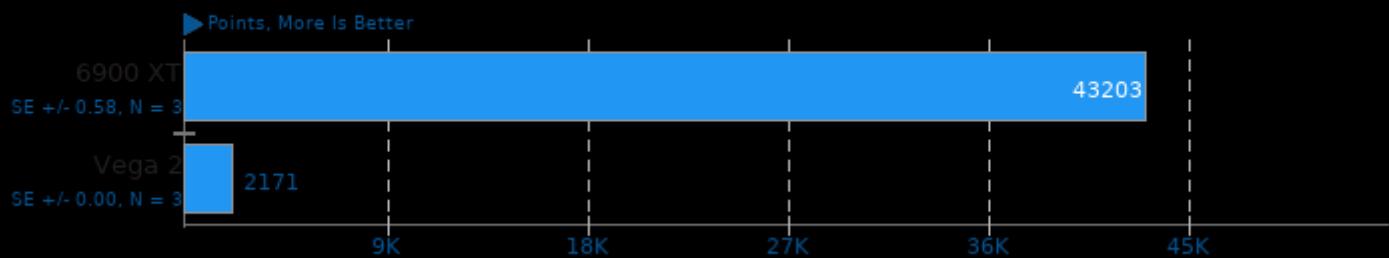
## Unigine Tropics 1.3

Resolution: 1600 x 1200 - Mode: Fullscreen



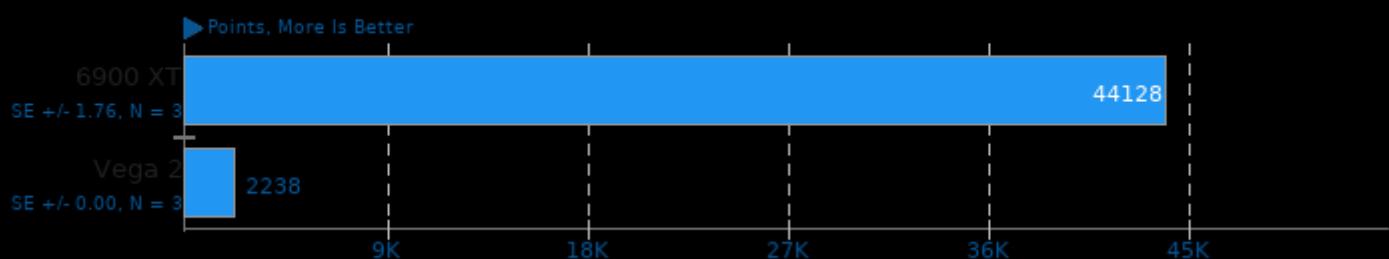
## GpuTest 0.7.0

Test: TessMark - Resolution: 1920 x 1080 - Mode: Windowed



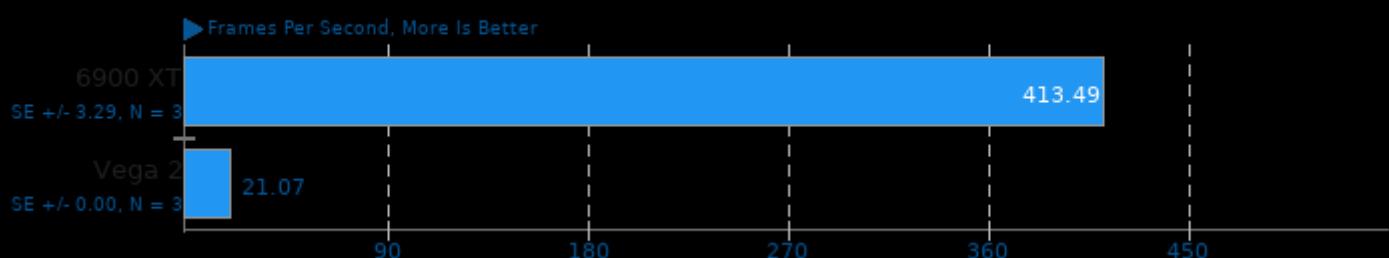
## GpuTest 0.7.0

Test: TessMark - Resolution: 1280 x 1024 - Mode: Windowed



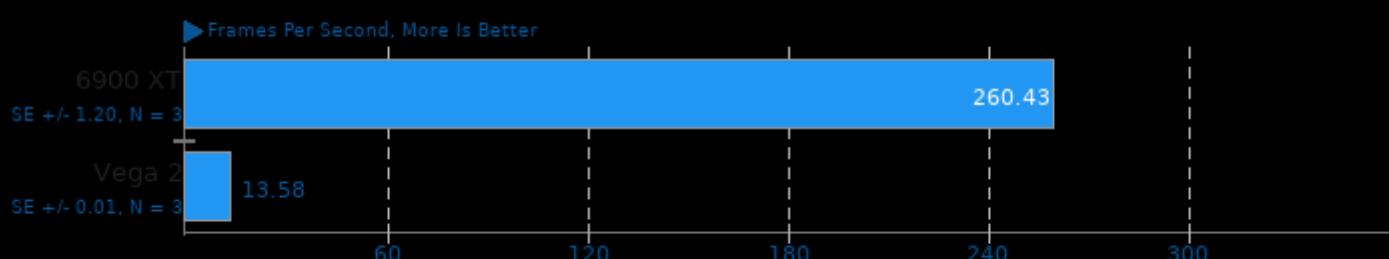
## Unigine Tropics 1.3

Resolution: 1600 x 1200 - Mode: Windowed



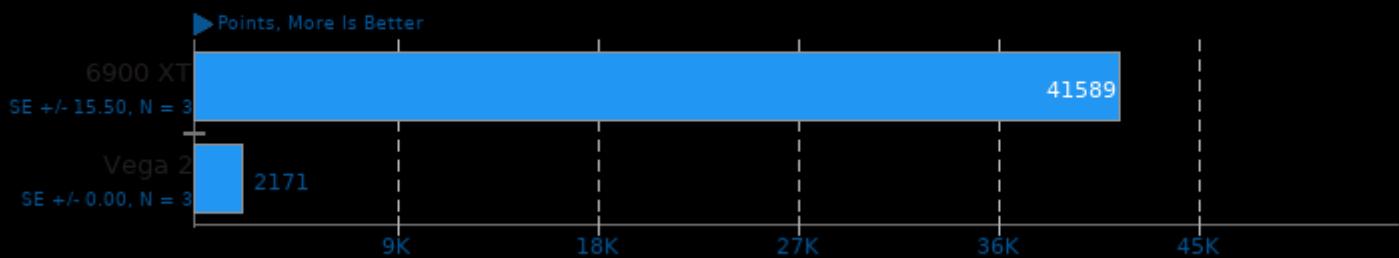
## Unigine Valley 1.0

Resolution: 1024 x 768 - Mode: Fullscreen - Renderer: OpenGL



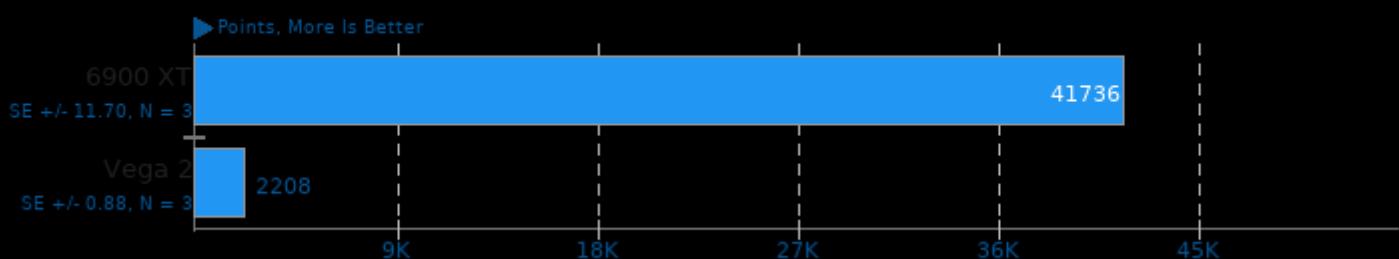
## GpuTest 0.7.0

Test: TessMark - Resolution: 1920 x 1200 - Mode: Windowed



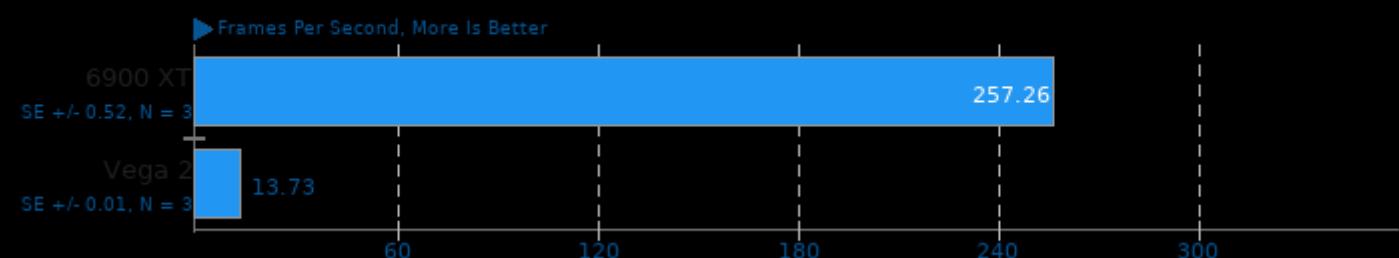
## GpuTest 0.7.0

Test: TessMark - Resolution: 1600 x 1200 - Mode: Windowed



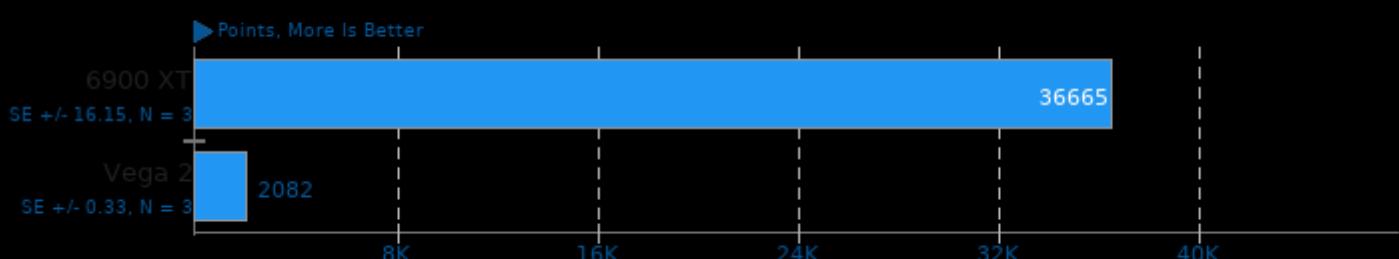
## Unigine Valley 1.0

Resolution: 1024 x 768 - Mode: Windowed - Renderer: OpenGL



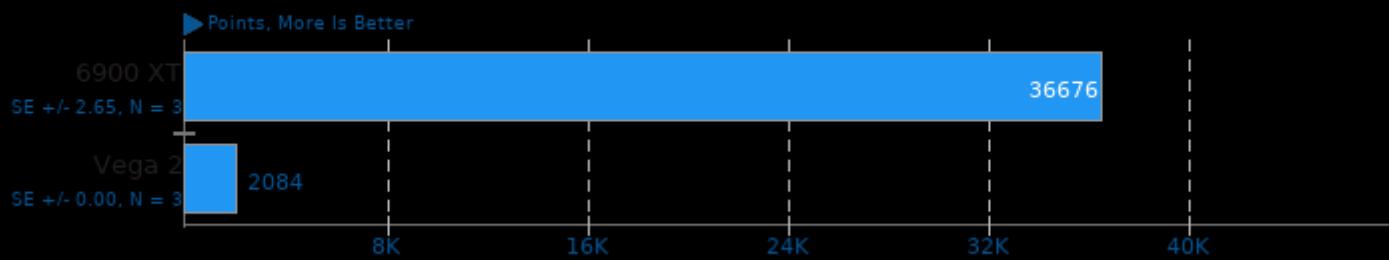
## GpuTest 0.7.0

Test: TessMark - Resolution: 1280 x 1024 - Mode: Fullscreen



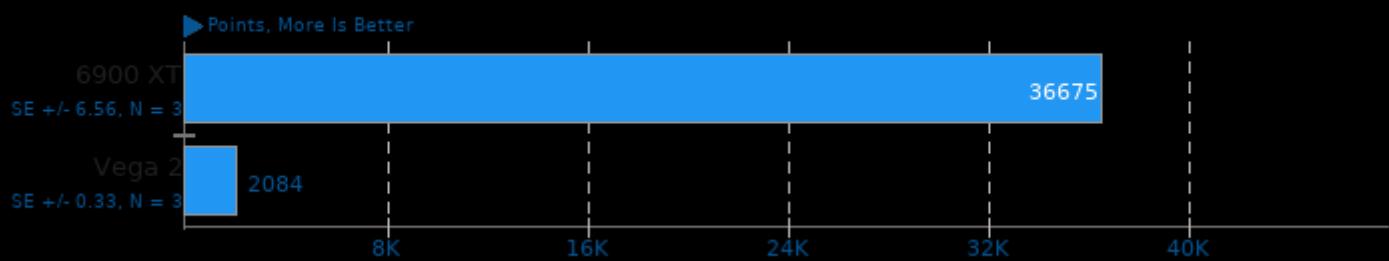
## GpuTest 0.7.0

Test: TessMark - Resolution: 1920 x 1200 - Mode: Fullscreen



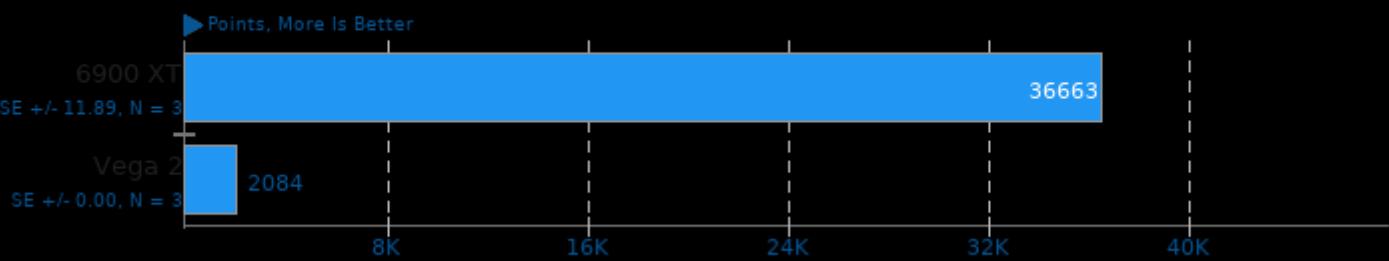
## GpuTest 0.7.0

Test: TessMark - Resolution: 1600 x 1200 - Mode: Fullscreen



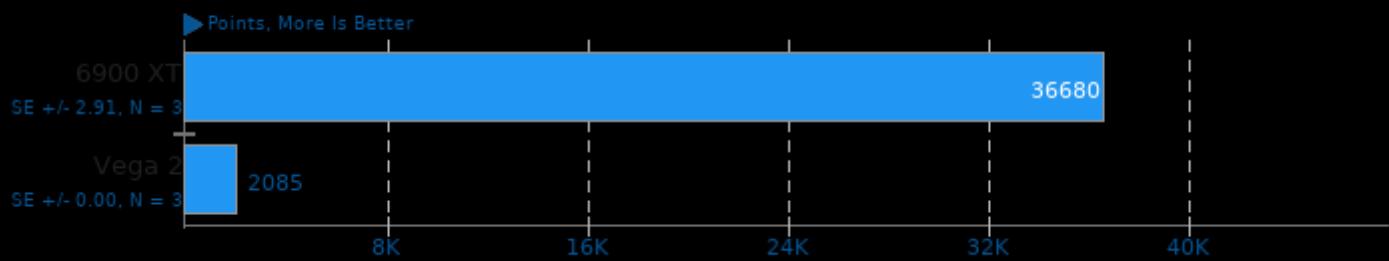
## GpuTest 0.7.0

Test: TessMark - Resolution: 1920 x 1080 - Mode: Fullscreen



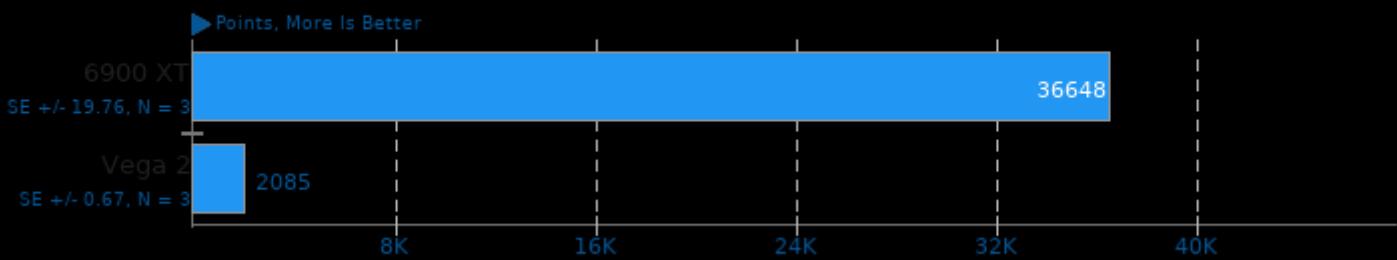
## GpuTest 0.7.0

Test: TessMark - Resolution: 2560 x 1440 - Mode: Fullscreen



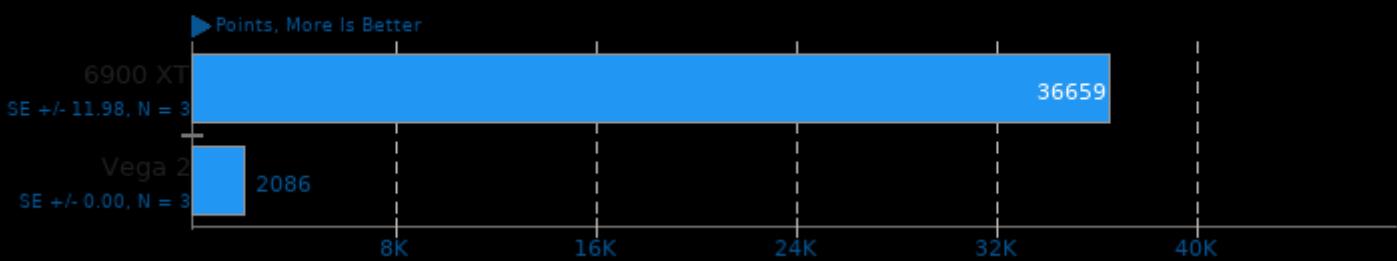
## GpuTest 0.7.0

Test: TessMark - Resolution: 1024 x 768 - Mode: Fullscreen



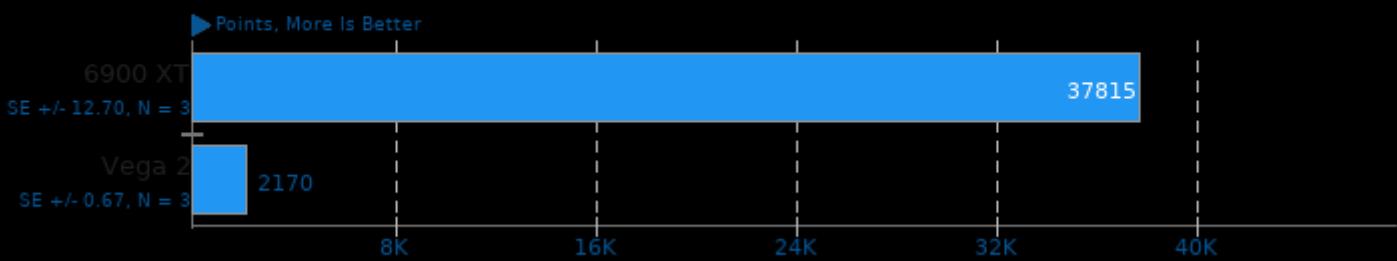
## GpuTest 0.7.0

Test: TessMark - Resolution: 800 x 600 - Mode: Fullscreen



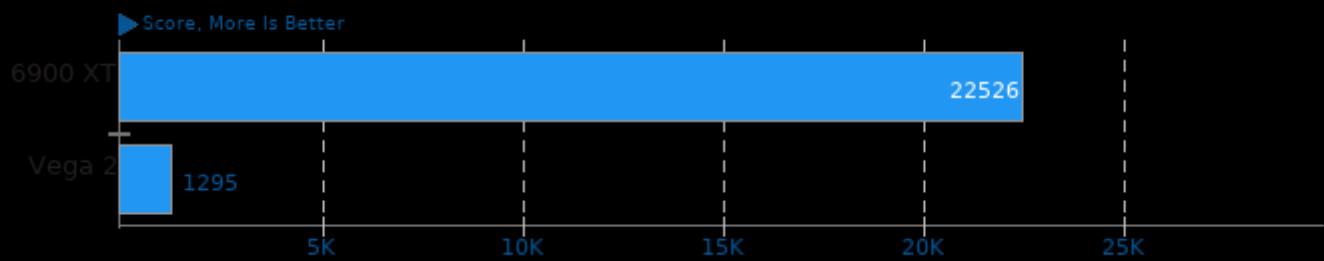
## GpuTest 0.7.0

Test: TessMark - Resolution: 2560 x 1440 - Mode: Windowed



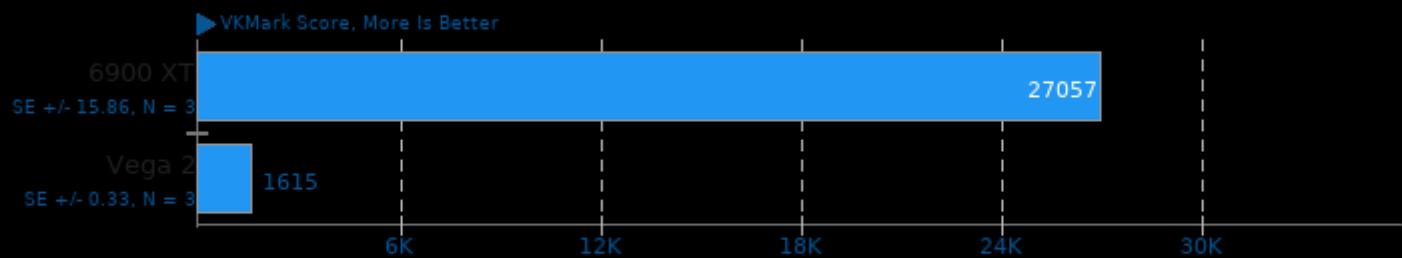
## GLmark2

Resolution: 1920 x 1200



## VKMark 2022-05-16

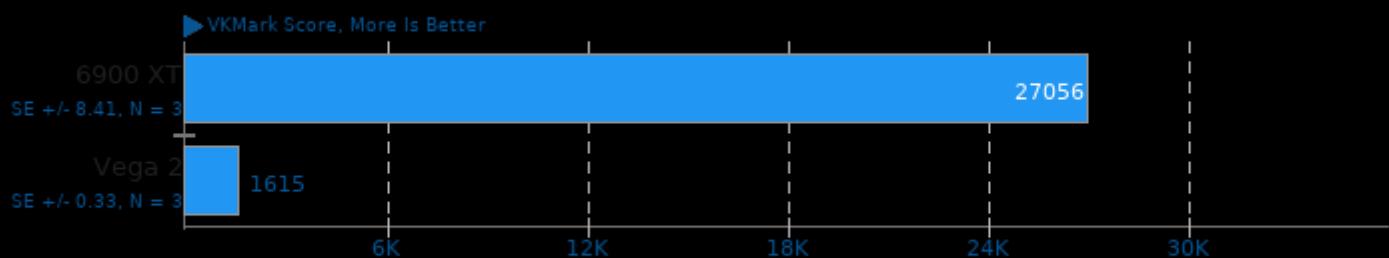
Resolution: 1280 x 1024 - Present Mode: Mailbox



1. (CXX) g++ options: -pthread -ldl -std=c++14 -O0 -MD -MQ -MF

## VKMark 2022-05-16

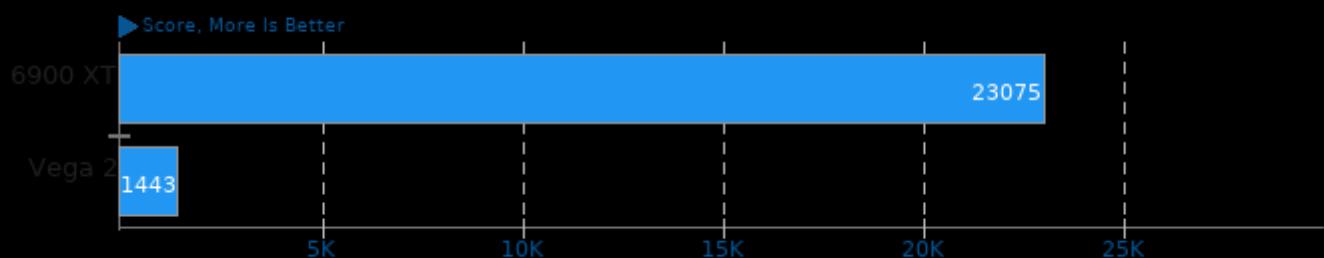
Resolution: 1280 x 1024 - Present Mode: Immediate



1. (CXX) g++ options: -pthread -ldl -std=c++14 -O0 -MD -MQ -MF

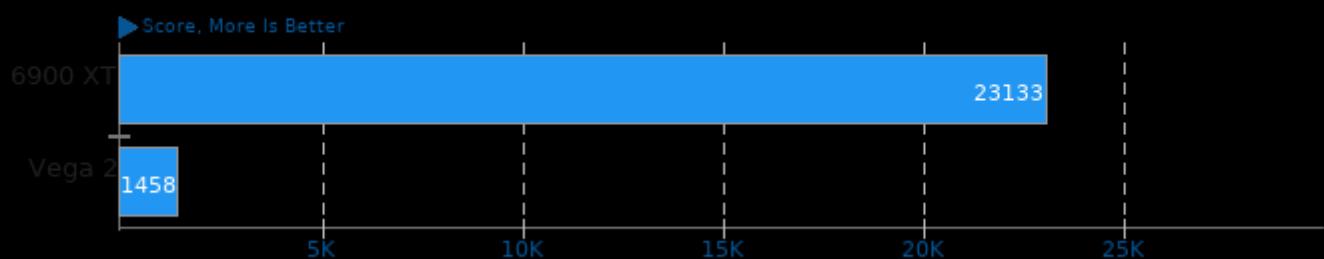
## GLmark2

Resolution: 1600 x 1200



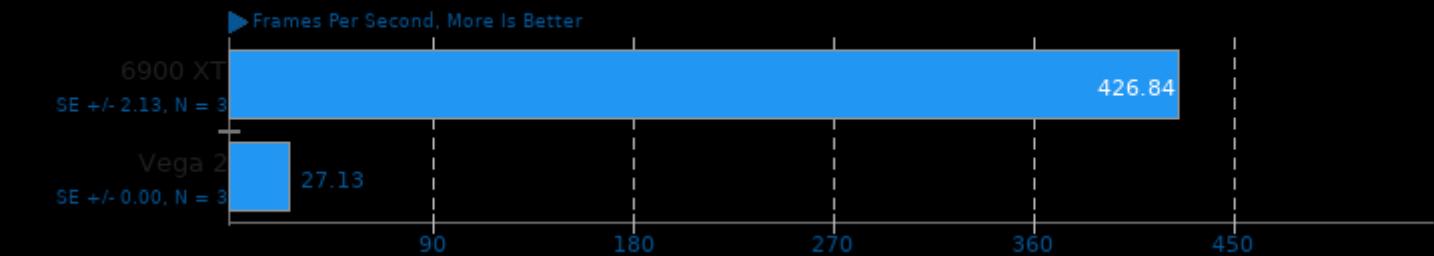
## GLmark2

Resolution: 1920 x 1080



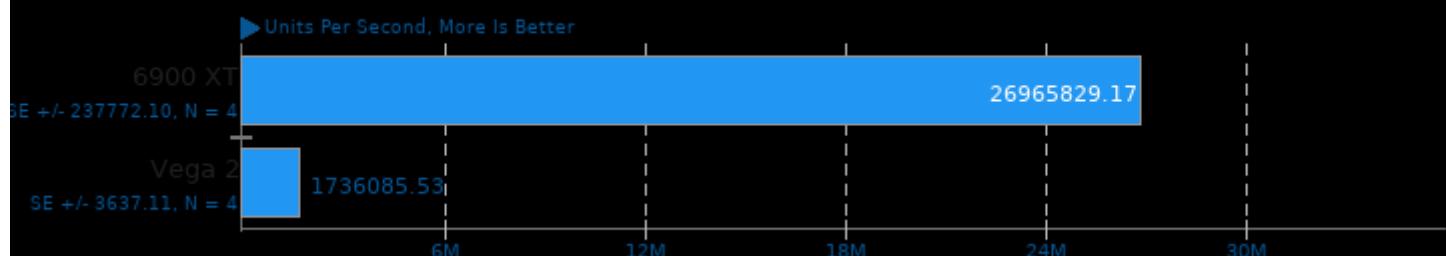
## Unigine Tropics 1.3

Resolution: 1280 x 1024 - Mode:Fullscreen



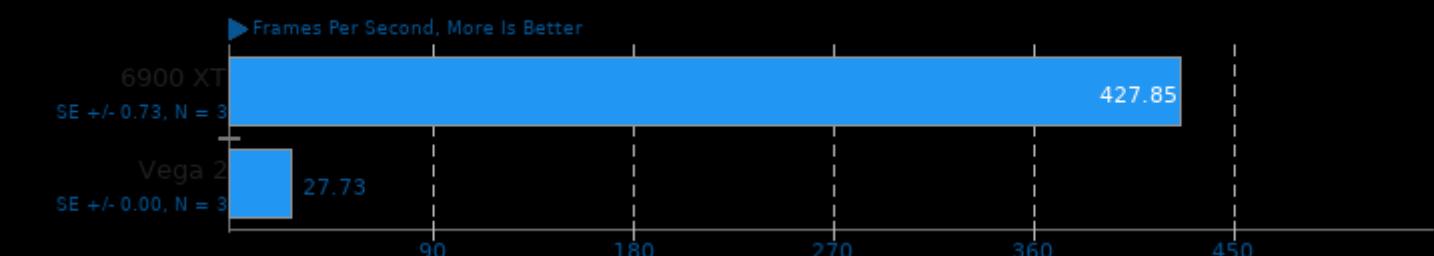
## Java 2D Microbenchmark 1.0

Rendering Test: Image Rendering



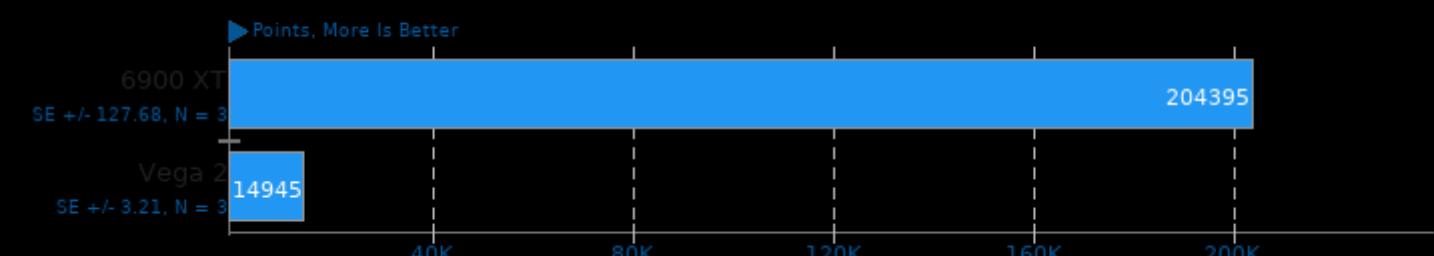
## Unigine Tropics 1.3

Resolution: 1280 x 1024 - Mode: Windowed



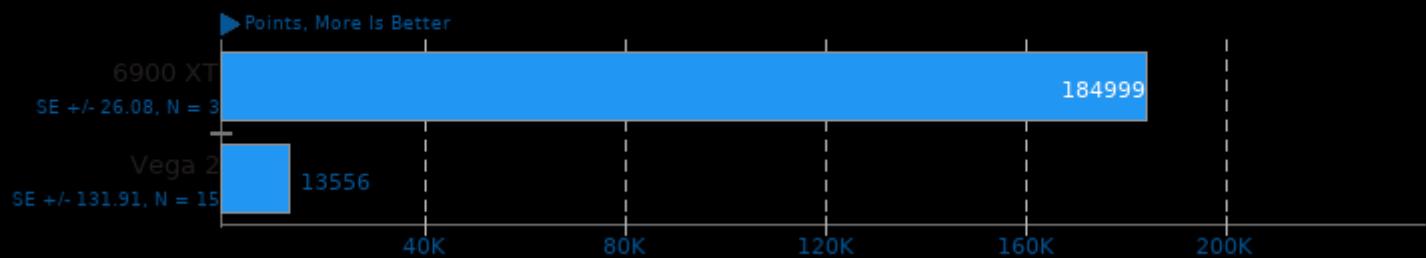
## GpuTest 0.7.0

Test: Plot3D - Resolution: 1920 x 1080 - Mode: Windowed



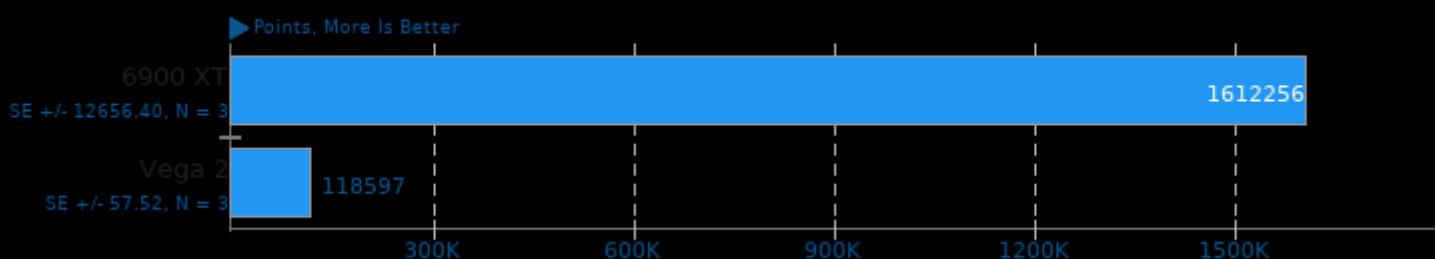
## GpuTest 0.7.0

Test: Plot3D - Resolution: 800 x 600 - Mode:Fullscreen



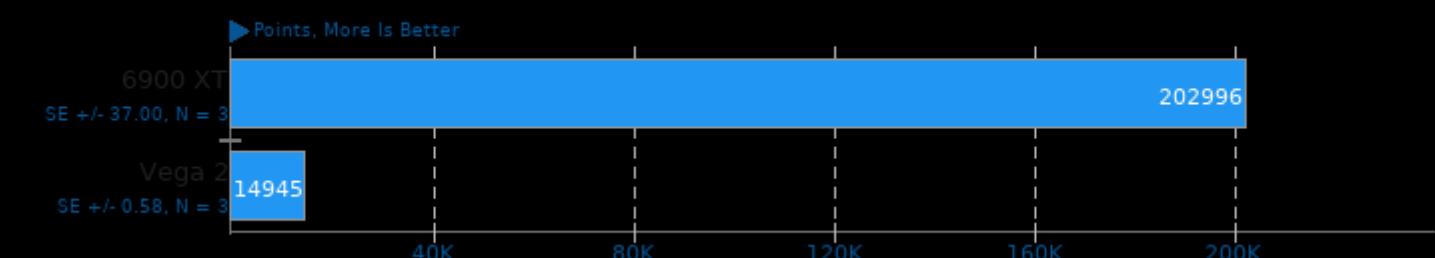
## GpuTest 0.7.0

Test: Triangle - Resolution: 1280 x 1024 - Mode:Fullscreen



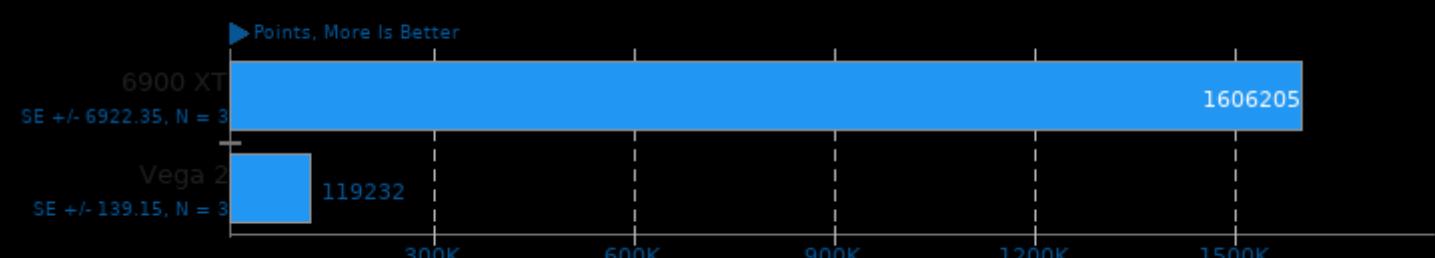
## GpuTest 0.7.0

Test: Plot3D - Resolution: 1920 x 1200 - Mode:Windowed



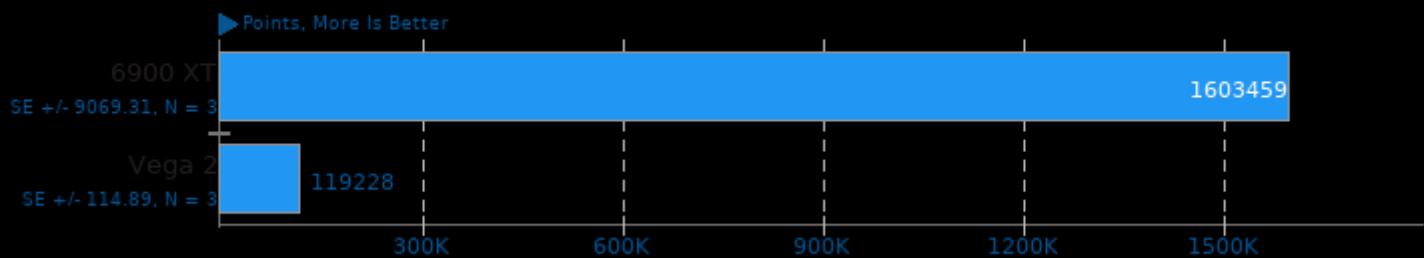
## GpuTest 0.7.0

Test: Triangle - Resolution: 1920 x 1200 - Mode:Fullscreen



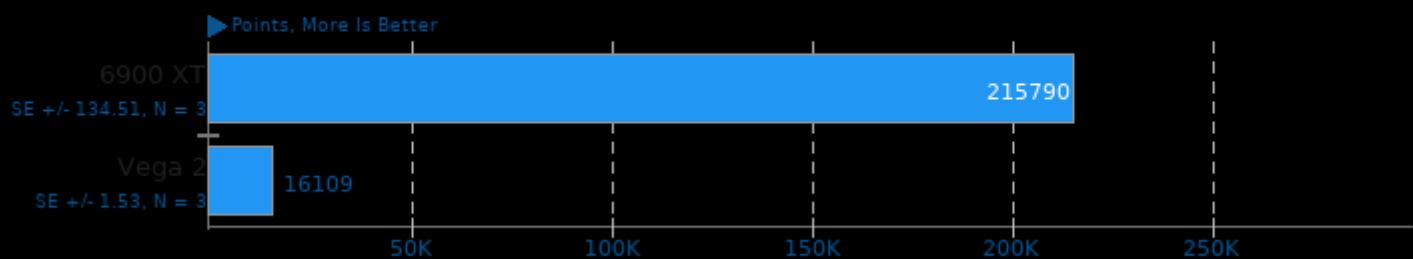
## GpuTest 0.7.0

Test: Triangle - Resolution: 1600 x 1200 - Mode: Fullscreen



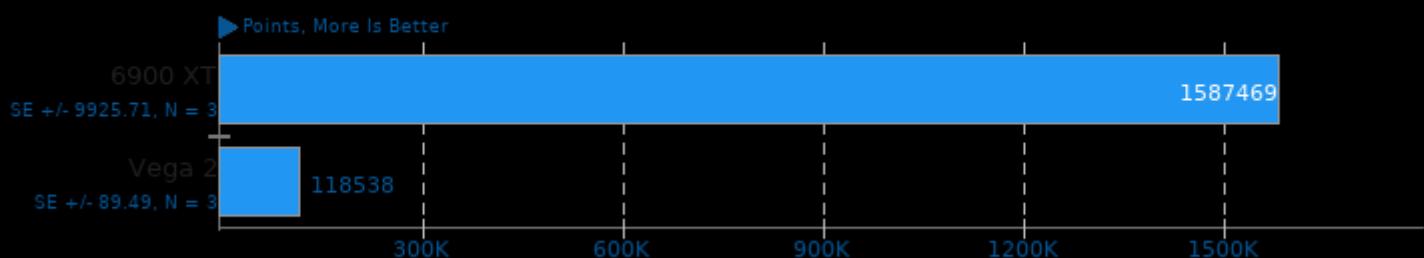
## GpuTest 0.7.0

Test: Plot3D - Resolution: 1600 x 1200 - Mode: Windowed



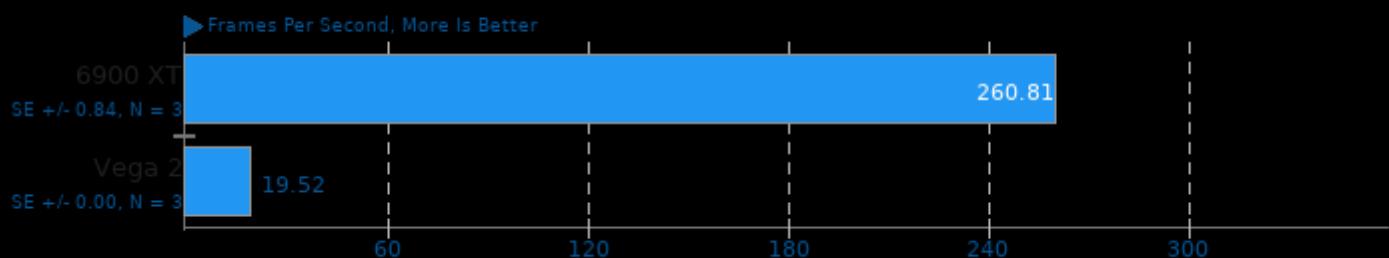
## GpuTest 0.7.0

Test: Triangle - Resolution: 1920 x 1080 - Mode: Fullscreen



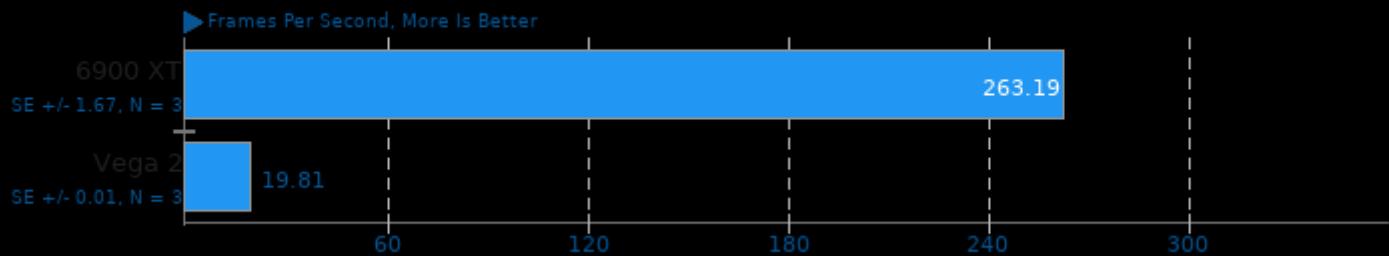
## Unigine Valley 1.0

Resolution: 800 x 600 - Mode: Fullscreen - Renderer: OpenGL



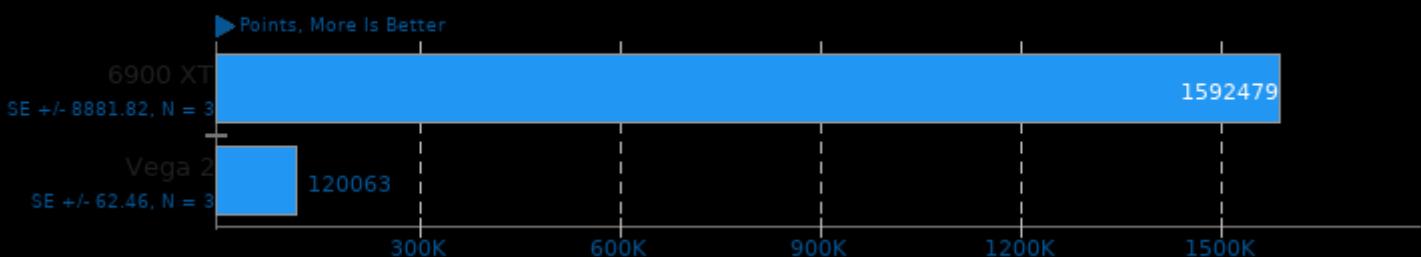
## Unigine Valley 1.0

Resolution: 800 x 600 - Mode: Windowed - Renderer: OpenGL



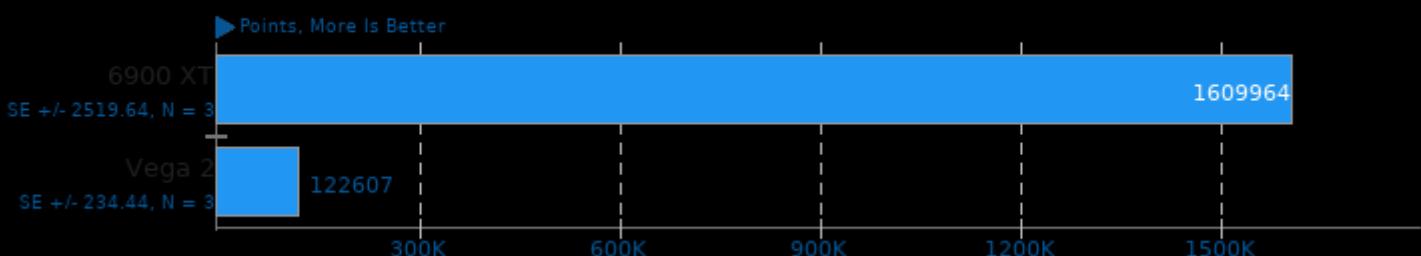
## GpuTest 0.7.0

Test: Triangle - Resolution: 2560 x 1440 - Mode: Fullscreen



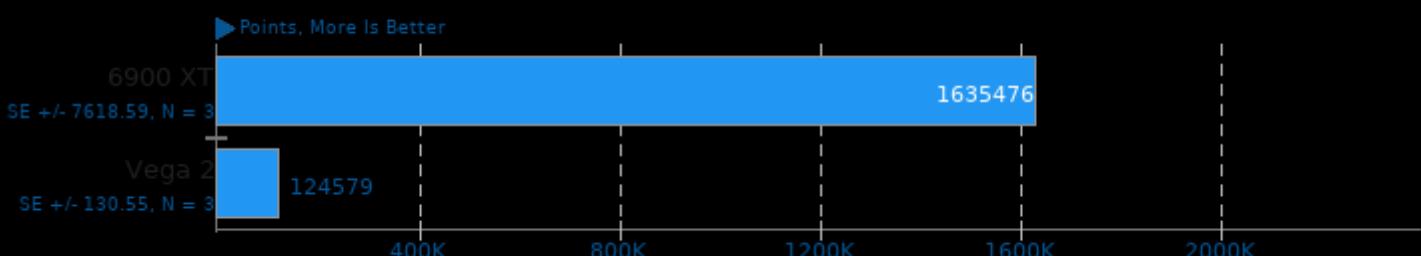
## GpuTest 0.7.0

Test: Triangle - Resolution: 1024 x 768 - Mode: Fullscreen



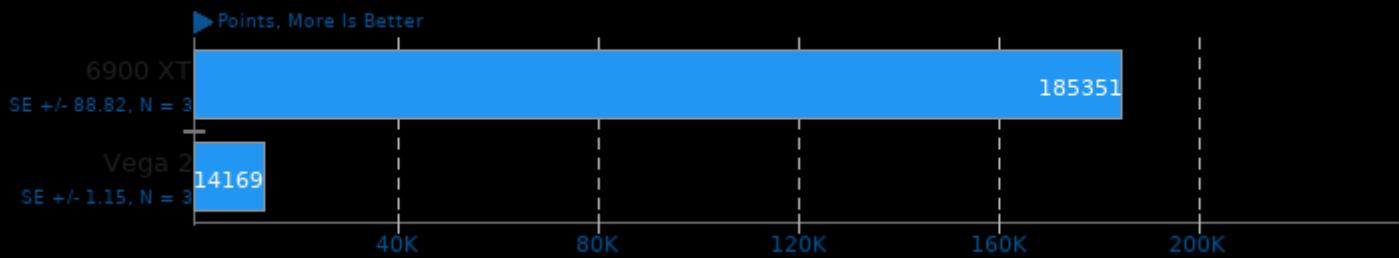
## GpuTest 0.7.0

Test: Triangle - Resolution: 1920 x 1200 - Mode: Windowed



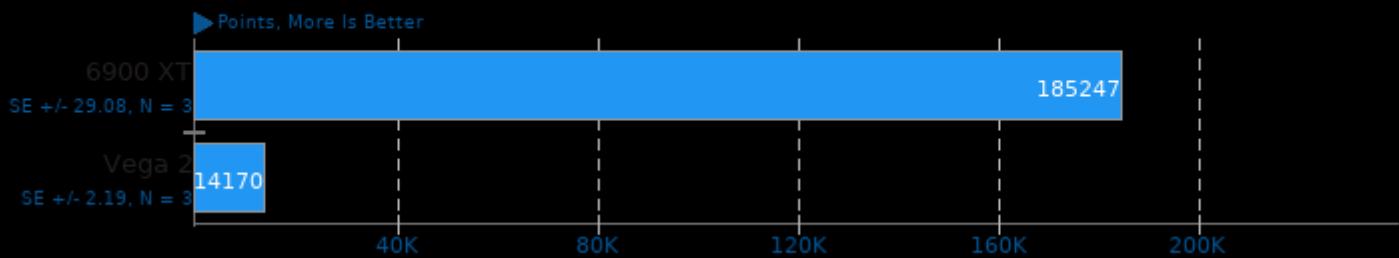
## GpuTest 0.7.0

Test: Plot3D - Resolution: 1920 x 1080 - Mode: Fullscreen



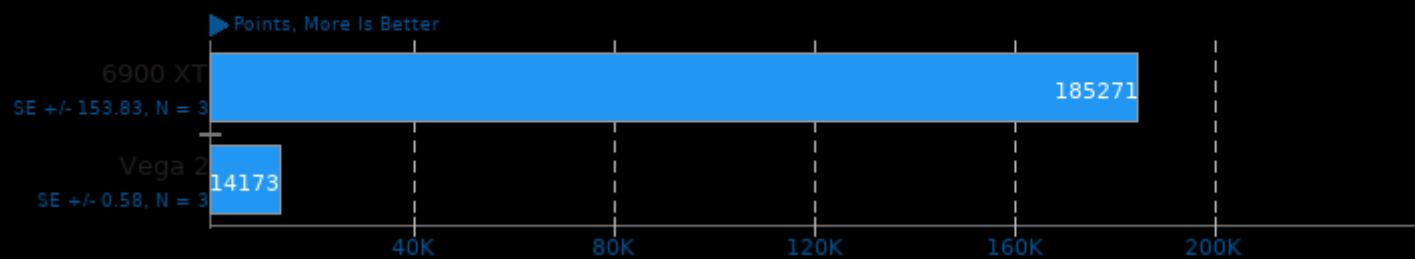
## GpuTest 0.7.0

Test: Plot3D - Resolution: 1920 x 1200 - Mode: Fullscreen



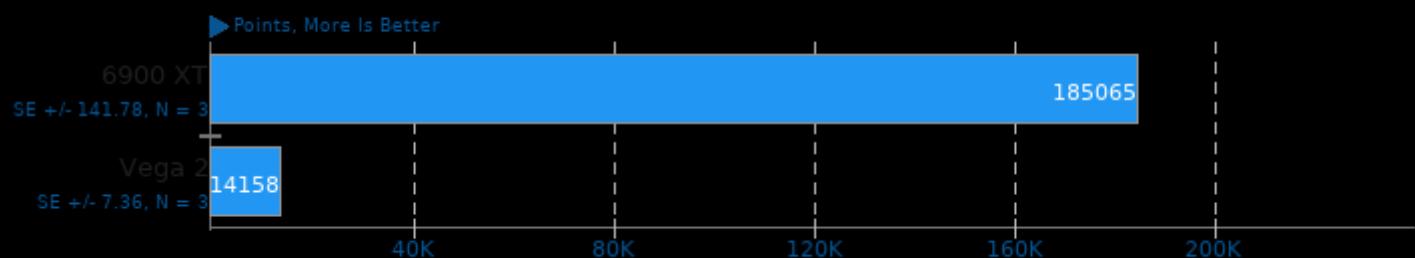
## GpuTest 0.7.0

Test: Plot3D - Resolution: 2560 x 1440 - Mode: Fullscreen



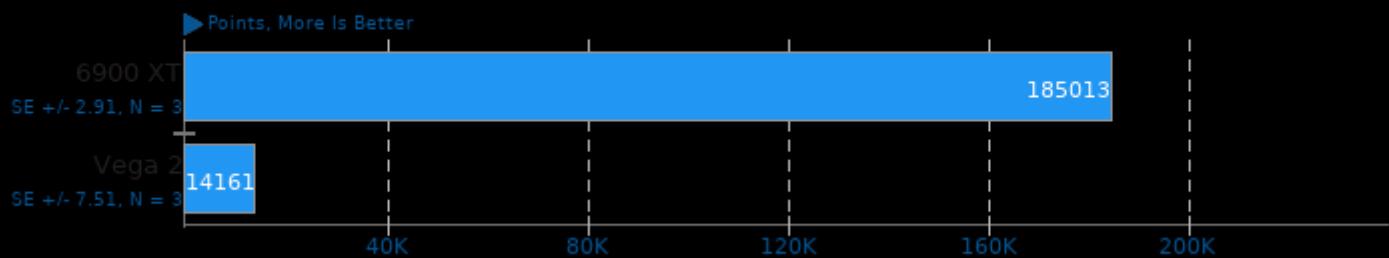
## GpuTest 0.7.0

Test: Plot3D - Resolution: 1600 x 1200 - Mode: Fullscreen



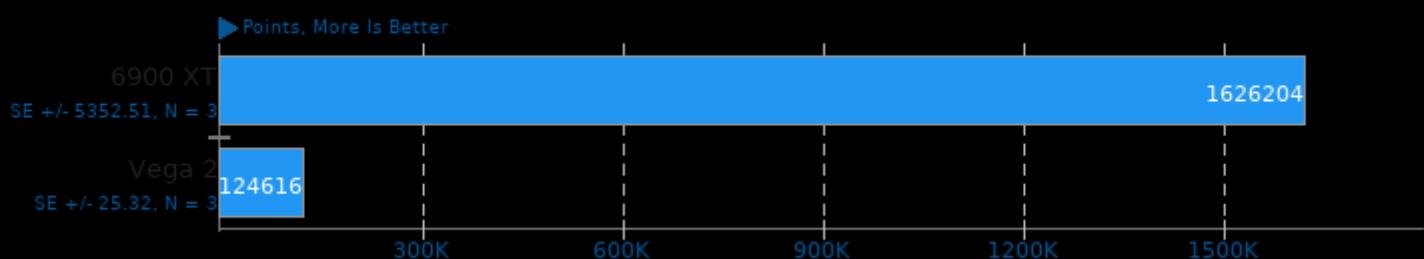
## GpuTest 0.7.0

Test: Plot3D - Resolution: 1280 x 1024 - Mode:Fullscreen



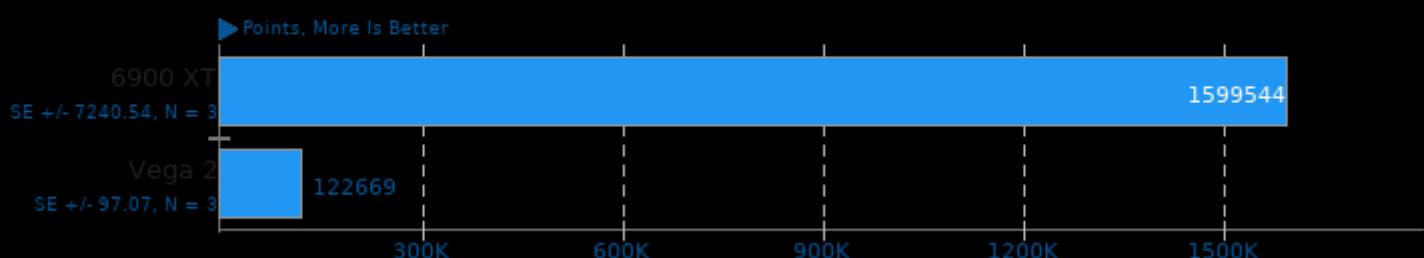
## GpuTest 0.7.0

Test: Triangle - Resolution: 1920 x 1080 - Mode: Windowed



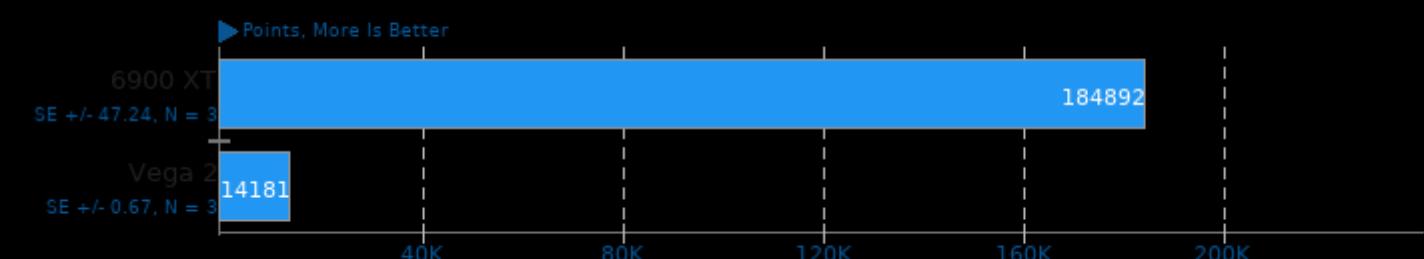
## GpuTest 0.7.0

Test: Triangle - Resolution: 800 x 600 - Mode:Fullscreen



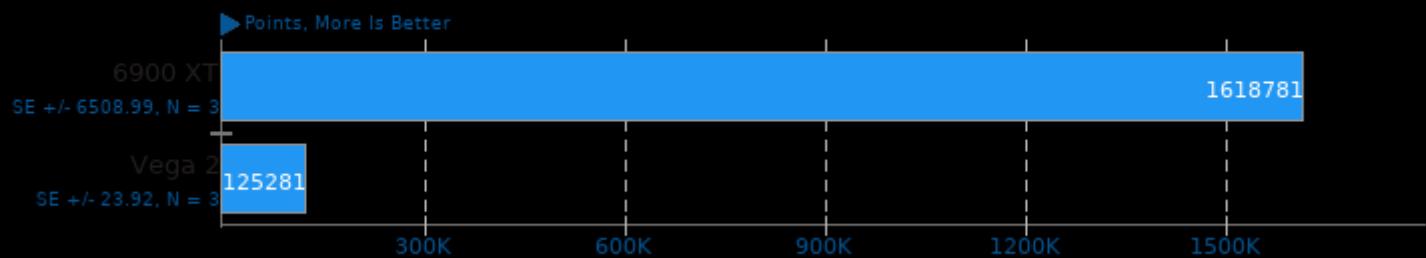
## GpuTest 0.7.0

Test: Plot3D - Resolution: 1024 x 768 - Mode:Fullscreen



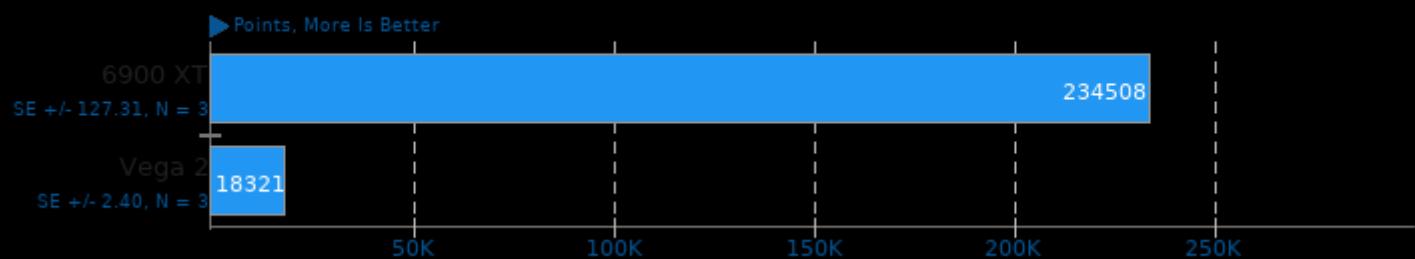
## GpuTest 0.7.0

Test: Triangle - Resolution: 2560 x 1440 - Mode: Windowed



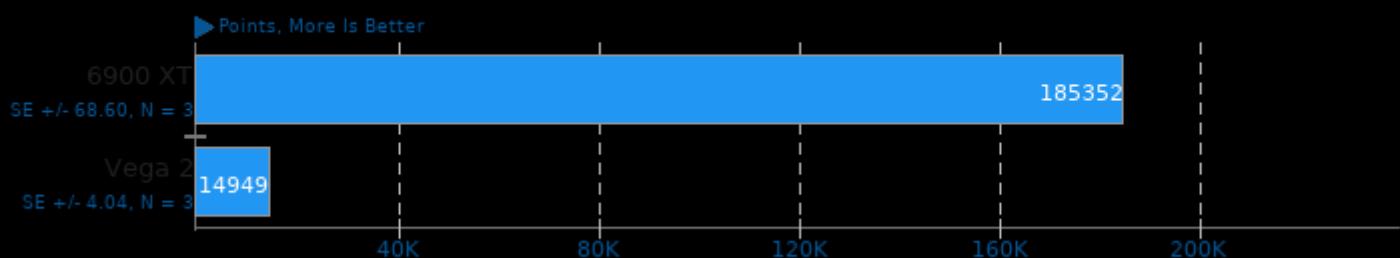
## GpuTest 0.7.0

Test: Plot3D - Resolution: 1280 x 1024 - Mode: Windowed



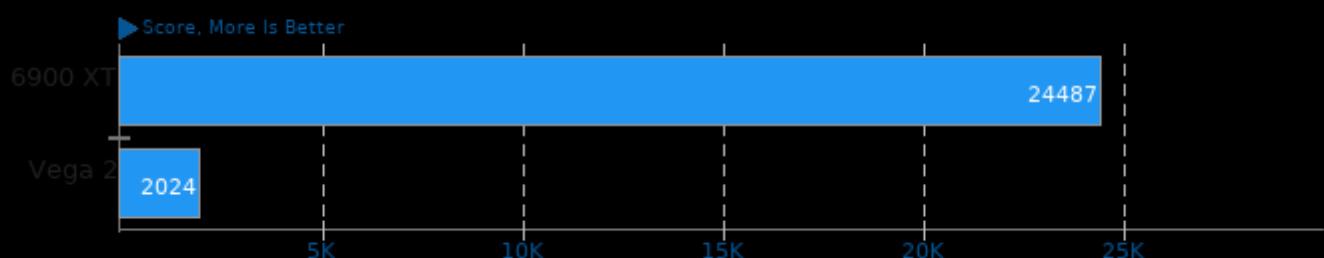
## GpuTest 0.7.0

Test: Plot3D - Resolution: 2560 x 1440 - Mode: Windowed



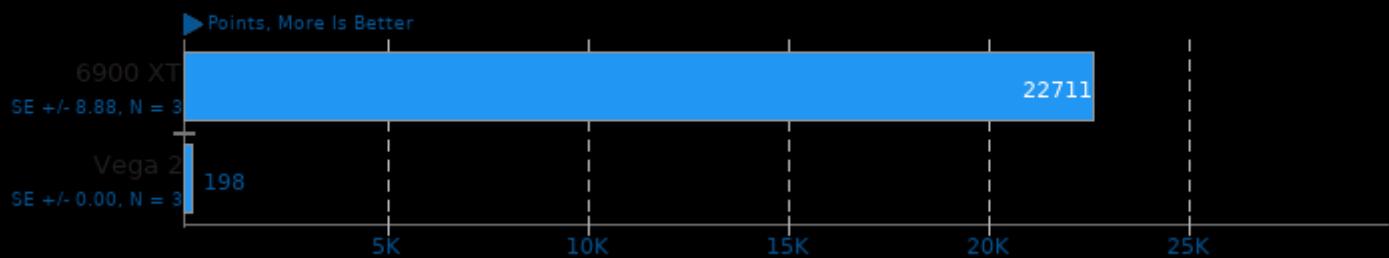
## GLmark2

Resolution: 1280 x 1024



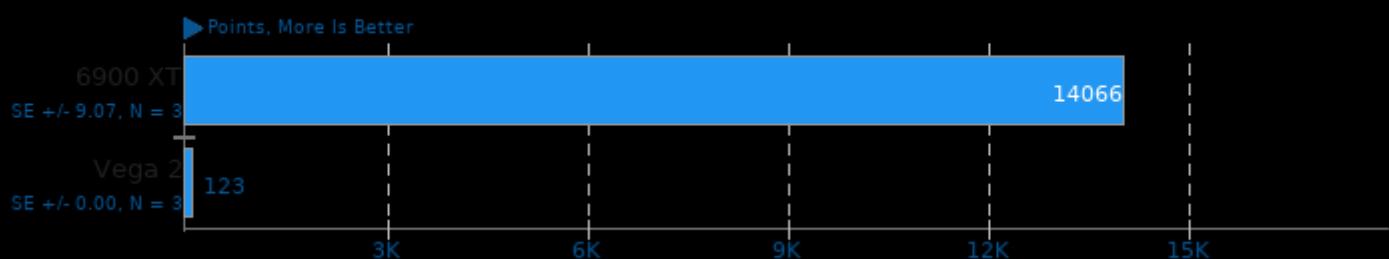
## GpuTest 0.7.0

Test: Pixmark Piano - Resolution: 1024 x 768 - Mode: Windowed



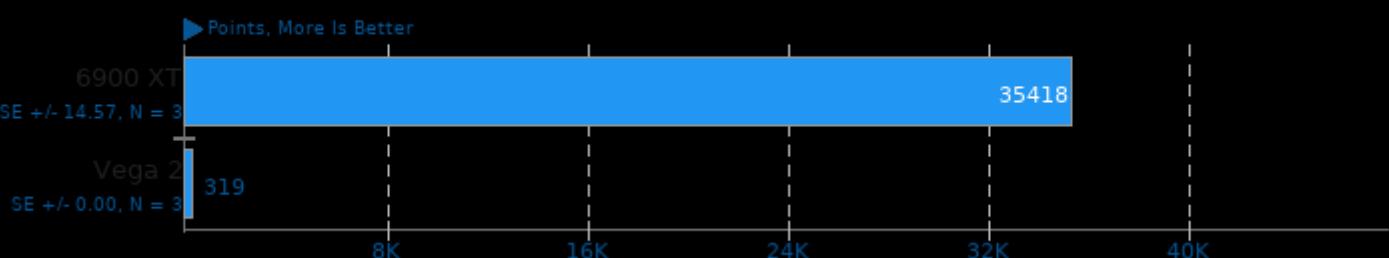
## GpuTest 0.7.0

Test: Pixmark Piano - Resolution: 1280 x 1024 - Mode: Windowed



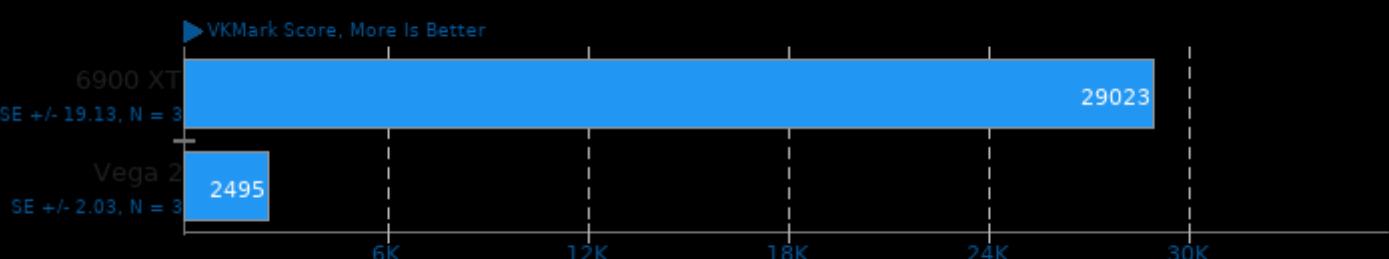
## GpuTest 0.7.0

Test: Pixmark Piano - Resolution: 800 x 600 - Mode: Windowed



## VKMark 2022-05-16

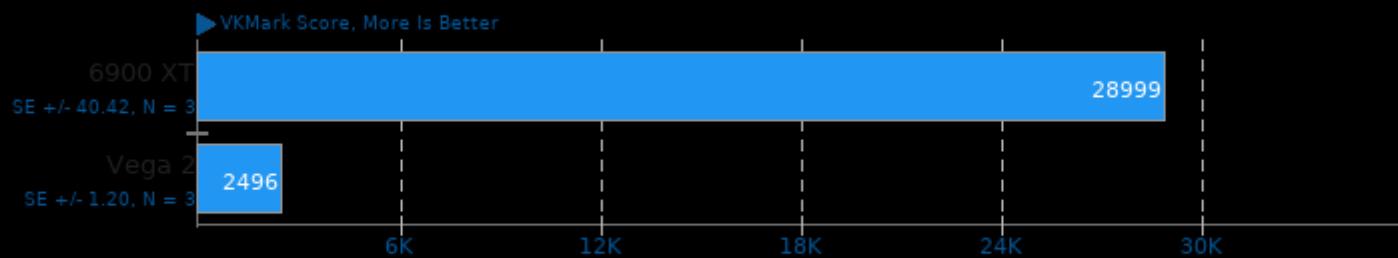
Resolution: 1024 x 768 - Present Mode: Mailbox



1. (CXX) g++ options: -pthread -ldl -std=c++14 -O0 -MD -MQ -MF

## VKMark 2022-05-16

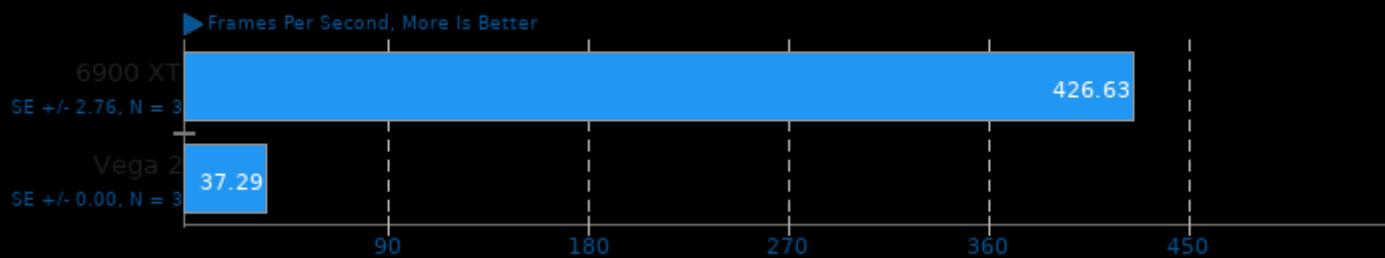
Resolution: 1024 x 768 - Present Mode: Immediate



1. (CXX) g++ options: -pthread -ldl -std=c++14 -O0 -MD -MQ -MF

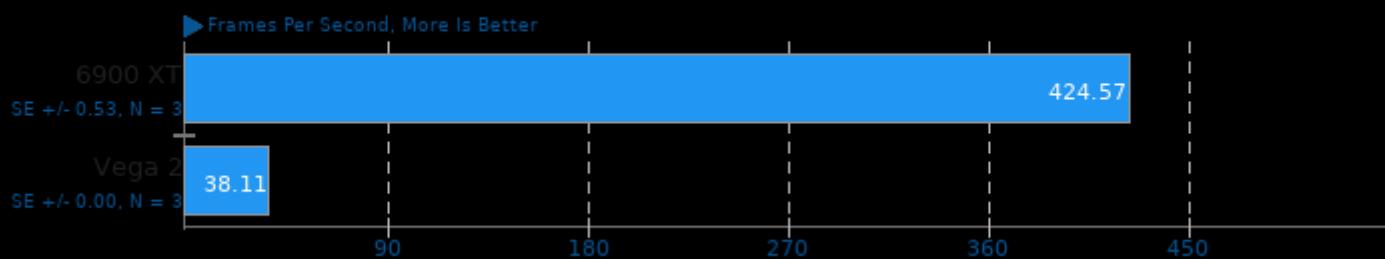
## Unigine Tropics 1.3

Resolution: 1024 x 768 - Mode: Fullscreen



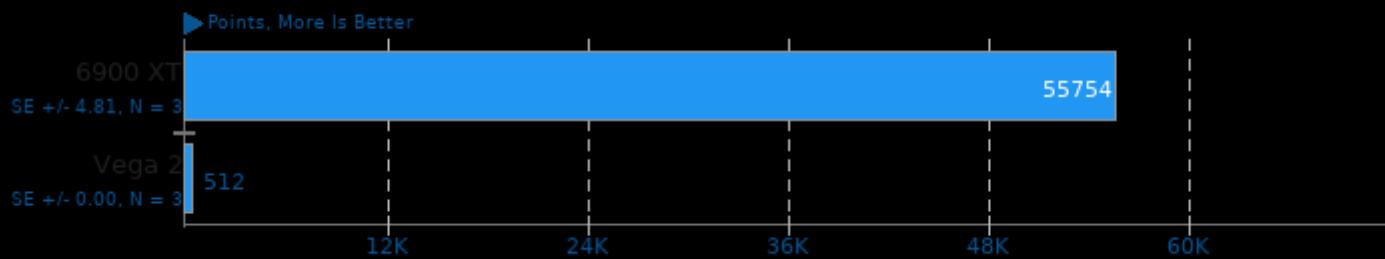
## Unigine Tropics 1.3

Resolution: 1024 x 768 - Mode: Windowed



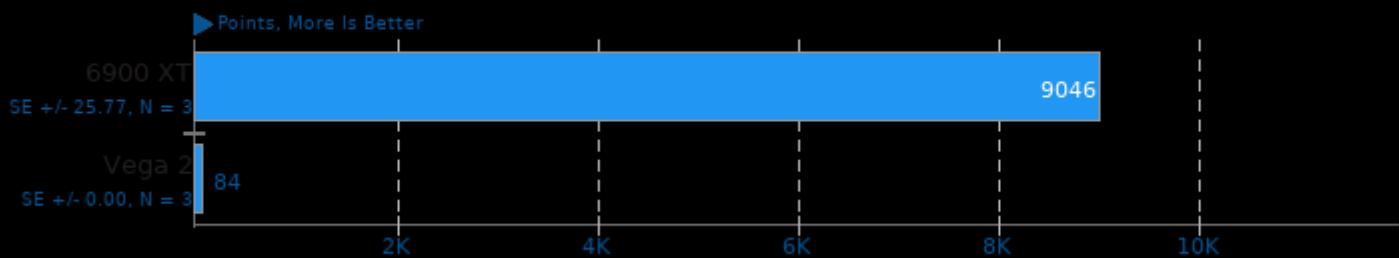
## GpuTest 0.7.0

Test: Pixmark Volplosion - Resolution: 1024 x 768 - Mode: Windowed



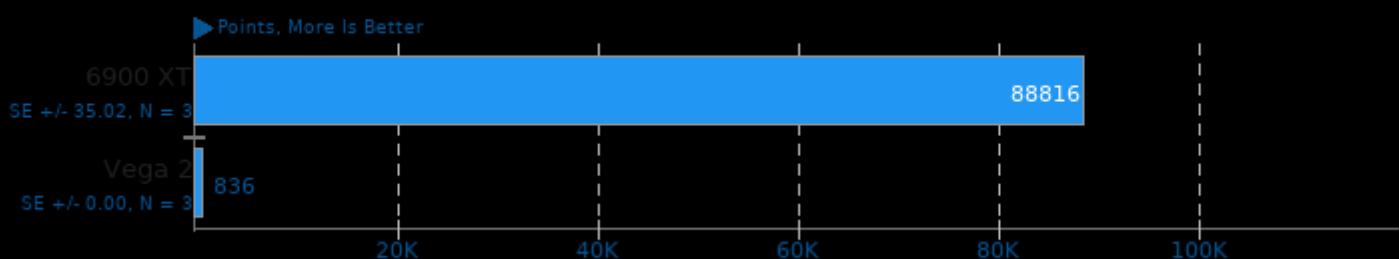
## GpuTest 0.7.0

Test: Pixmark Piano - Resolution: 1920 x 1080 - Mode: Windowed



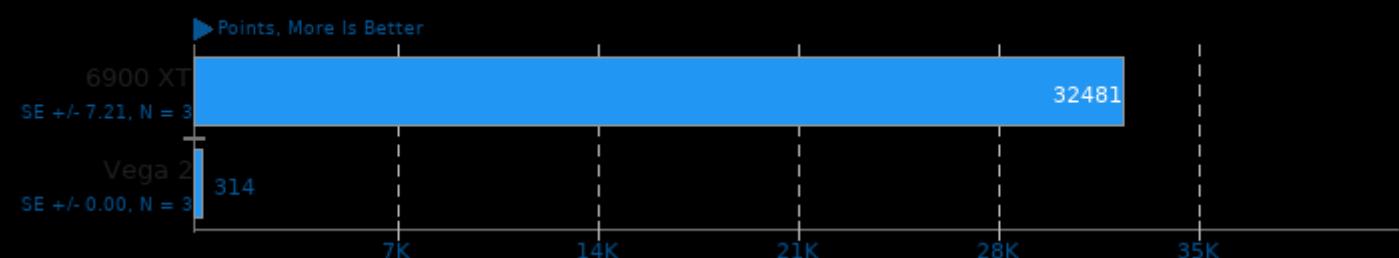
## GpuTest 0.7.0

Test: Pixmark Volplosion - Resolution: 800 x 600 - Mode: Windowed



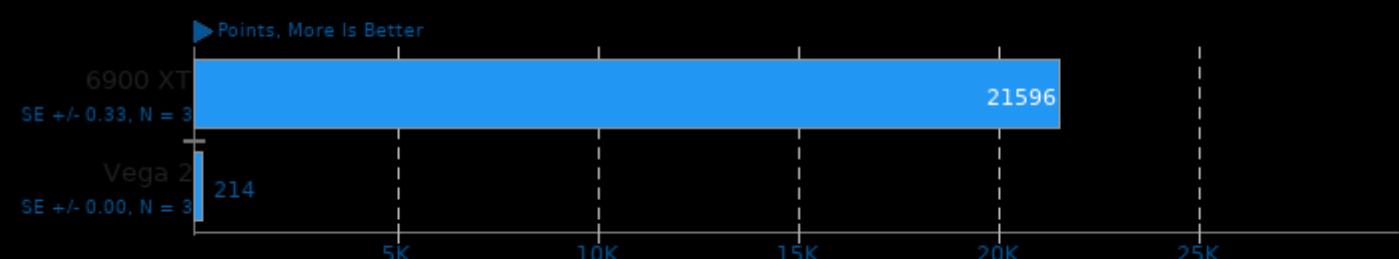
## GpuTest 0.7.0

Test: Pixmark Volplosion - Resolution: 1280 x 1024 - Mode: Windowed



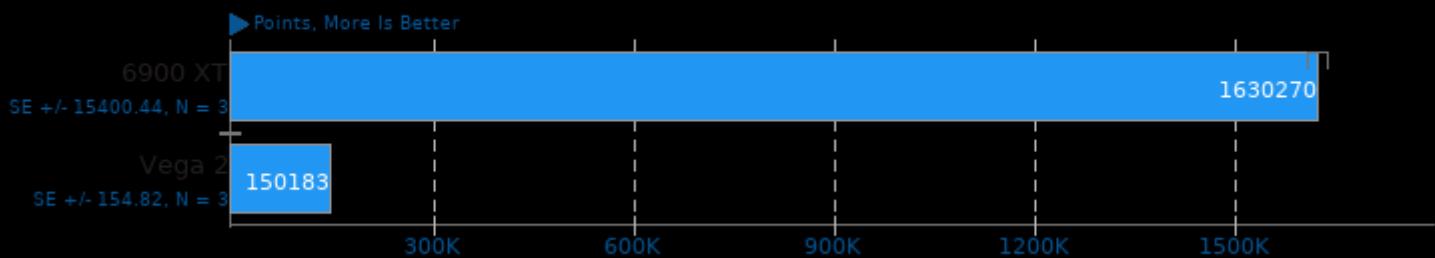
## GpuTest 0.7.0

Test: Pixmark Volplosion - Resolution: 1920 x 1080 - Mode: Windowed



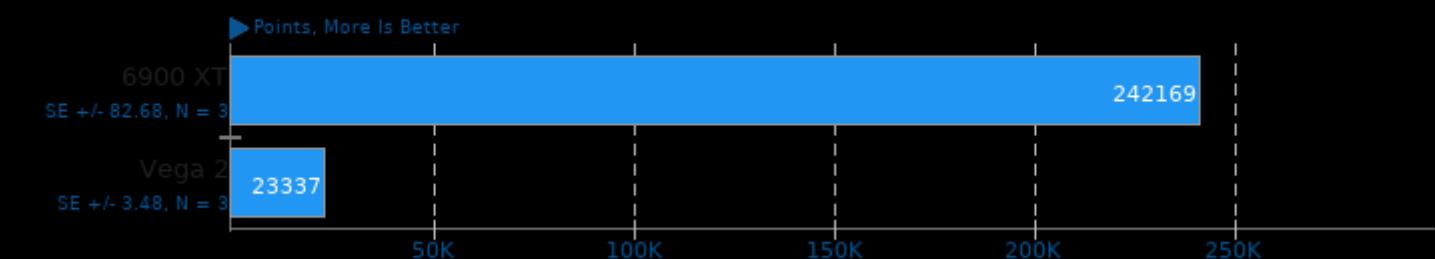
## GpuTest 0.7.0

Test: Triangle - Resolution: 1600 x 1200 - Mode: Windowed



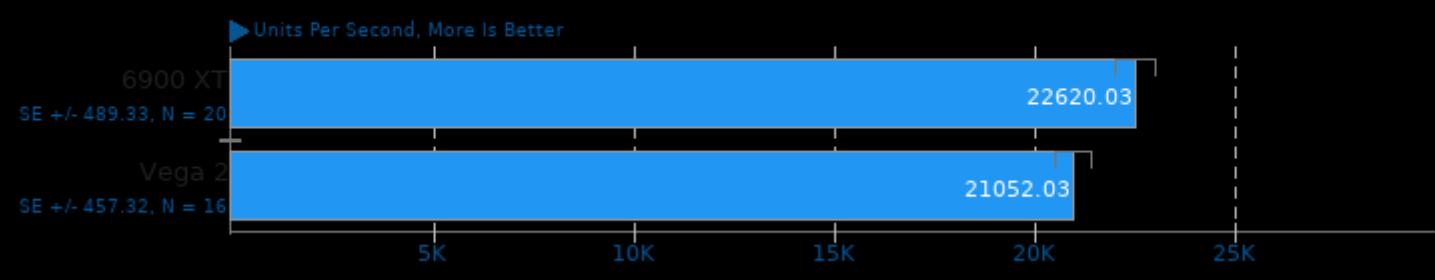
## GpuTest 0.7.0

Test: Plot3D - Resolution: 1024 x 768 - Mode: Windowed

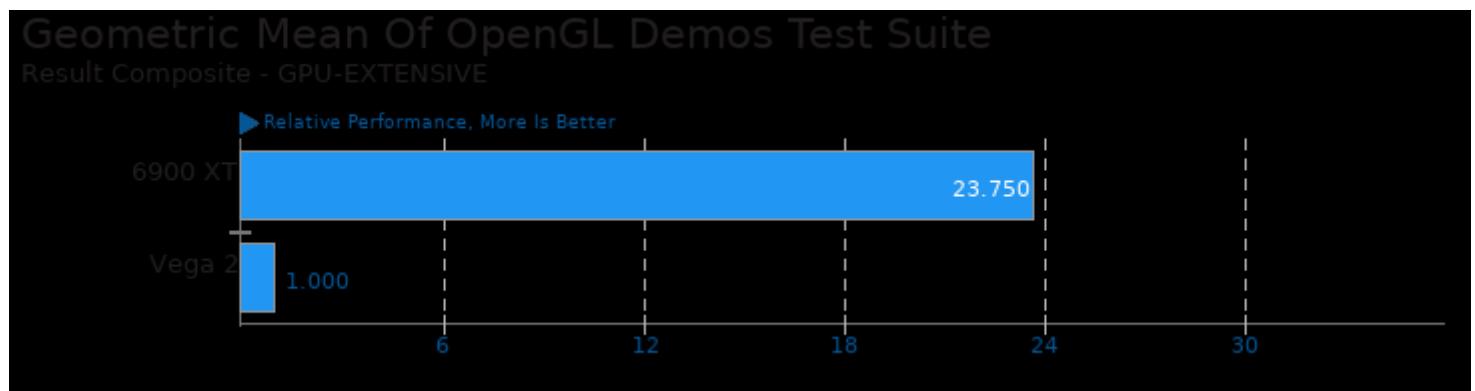


## Java 2D Microbenchmark 1.0

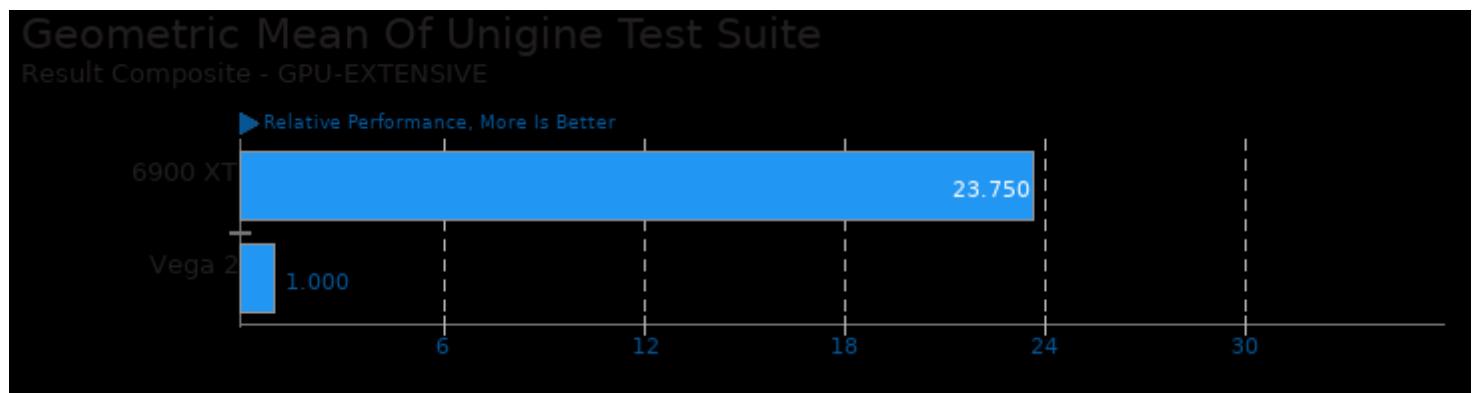
Rendering Test: Text Rendering



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



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



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

*This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 07:09.*