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## **virgl-gentoo-guest-debug-fixed-2**

Virgl testing

### **Automated Executive Summary**

*async-cmd-fixed-3 had the most wins, coming in first place for 75% of the tests.*

*Based on the geometric mean of all complete results, the fastest (async-cmd-fixed-3) was 1.004x the speed of the slowest (virgl async command stream submission).*

### **Test Systems:**

#### **virgl async command stream submission**

Processor: 8 x QEMU Virtual 2.5+ (8 Cores), Motherboard: QEMU Standard PC (Q35 + ICH9 2009) (rel-1.14.0-0-g155821a1990b-prebuilt.qemu.org BIOS), Chipset: Intel 82G33/G31/P35/P31 + ICH9, Memory: 32GB, Disk: 97GB, Graphics: virgl 12288GB, Audio: Intel 82801I, Monitor: QEMU Monitor, Network: Red Hat Virtio device

OS: Gentoo/Linux, Kernel: 5.15.11-gentoo-x86\_64 (x86\_64), Display Server: X Server 1.20.14, OpenGL: 4.3 Mesa 22.0.0-devel (git-4565cb50c5) (LLVM 13.0.0 D...), Compiler: GCC 11.2.0 + LLVM 13.0.0, File-System: ext4, Screen Resolution: 1024x768, System Layer: QEMU

Processor Notes: CPU Microcode: 0x1000065

Python Notes: Python 3.9.9

Security Notes: itlb\_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + spec\_store\_bypass: Not affected + spectre\_v1: Mitigation of usercopy/swapgs barriers and \_\_user pointer sanitization + spectre\_v2: Mitigation of Full AMD retrpoline STIBP: disabled RSB filling + srbs: Not affected + tsx\_async\_abort: Not affected

## async-cmd-fixed-3

Processor: 8 x QEMU Virtual 2.5+ (8 Cores), Motherboard: QEMU Standard PC (Q35 + ICH9 2009) (rel-1.14.0-0-g155821a1990b-prebuilt.qemu.org BIOS), Chipset: Intel 82G33/G31/P35/P31 + ICH9, Memory: 32GB, Disk: 97GB, Graphics: virgl 12288GB, Audio: Intel 82801I, Monitor: QEMU Monitor, Network: Red Hat Virtio device

OS: Gentoo/Linux, Kernel: 5.15.11-gentoo-x86\_64 (x86\_64), Display Server: X Server 1.20.14, OpenGL: 4.3 Mesa 22.0.0-devel (git-b987d669b7) (LLVM 13.0.0 D...), Compiler: GCC 11.2.0 + LLVM 13.0.0, File-System: ext4, Screen Resolution: 1024x768, System Layer: QEMU

Processor Notes: CPU Microcode: 0x1000065

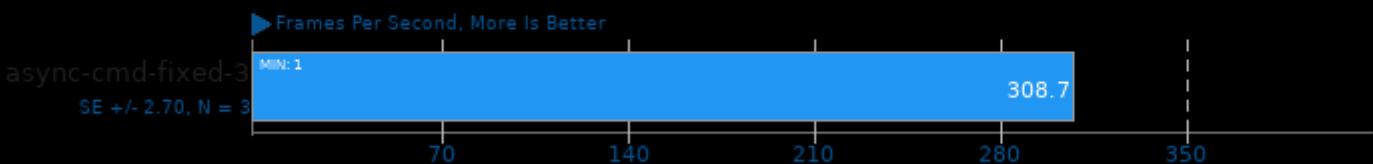
Python Notes: Python 3.9.9

Security Notes: itlb\_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + spec\_store\_bypass: Not affected + spectre\_v1: Mitigation of usercopy/swapgs barriers and \_\_user pointer sanitization + spectre\_v2: Mitigation of Full AMD retrpoline STIBP: disabled RSB filling + srbs: Not affected + tsx\_async\_abort: Not affected

	virgl async command stream submission	async-cmd-fixed-3
<b>OpenArena - 1024 x 768 (FPS)</b>	308.7	
Standard Deviation	1.5%	
<b>Unigine Heaven - 1024 x 768 - Fullscreen - OpenGL (FPS)</b>	<b>220.743</b>	<b>216.250</b>
Normalized	100%	97.96%
Standard Deviation	0.3%	1.1%
<b>Unigine Sanctuary - 1024 x 768 - Fullscreen (FPS)</b>	<b>228.877</b>	<b>216.323</b>
Normalized	100%	94.51%
Standard Deviation	11.4%	14.3%
<b>Unigine Tropics - 1024 x 768 - Fullscreen (FPS)</b>	<b>222.104</b>	<b>224.204</b>
Normalized	99.06%	100%
Standard Deviation	3.9%	4.9%
<b>Unigine Valley - 1024 x 768 - Fullscreen - OpenGL</b>	<b>179.288</b>	<b>180.911</b>
Normalized	99.1%	100%
Standard Deviation	2.4%	1.5%
<b>Xonotic - 1024 x 768 - Ultimate (FPS)</b>	<b>245.8750232</b>	<b>245.9273899</b>
Normalized	99.98%	100%
Standard Deviation	1.7%	0.2%
<b>GLmark2 - 1024 x 768 (Score)</b>	<b>4398</b>	<b>4791</b>
Normalized	91.8%	100%
<b>GpuTest - 1024 x 768 - Fullscreen (Points)</b>	<b>11710</b>	<b>11753</b>
Normalized	99.63%	100%
Standard Deviation	0.2%	0%

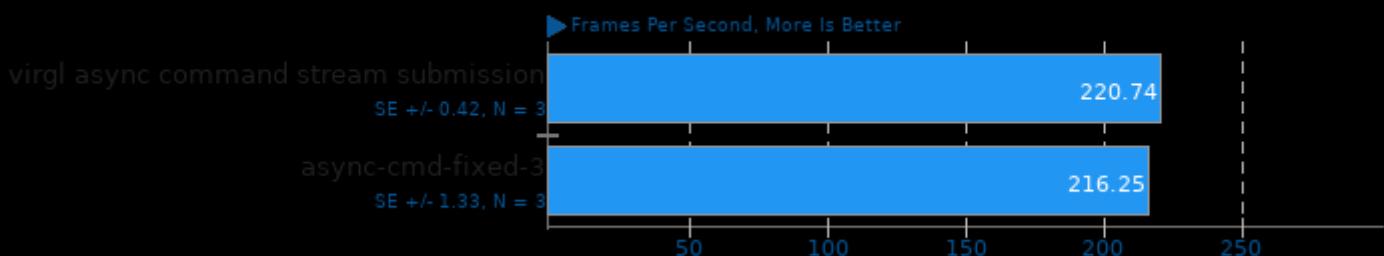
## OpenArena 0.8.8

Resolution: 1024 x 768



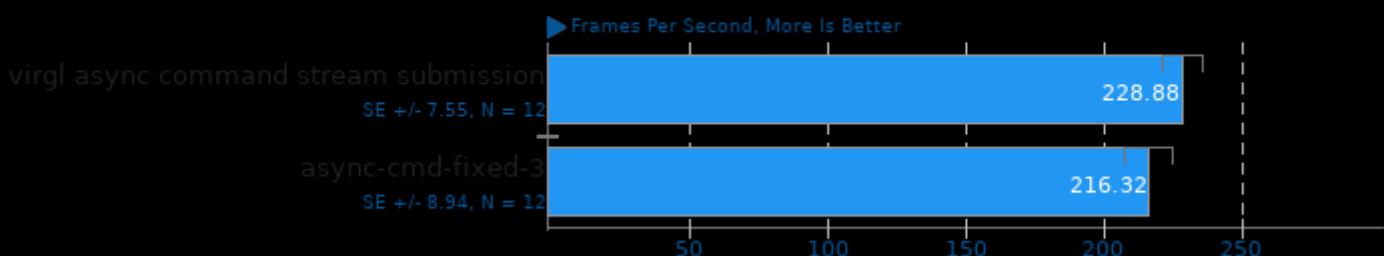
## Unigine Heaven 4.0

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



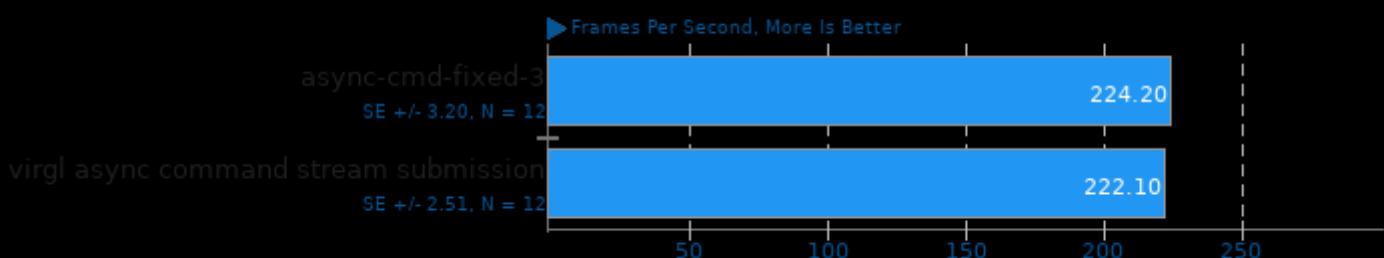
## Unigine Sanctuary 2.3

Resolution: 1024 x 768 - Mode: Fullscreen



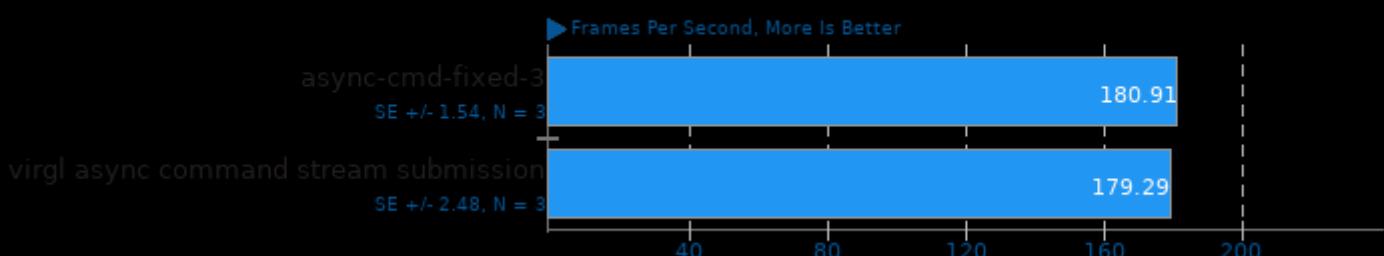
## Unigine Tropics 1.3

Resolution: 1024 x 768 - Mode: Fullscreen



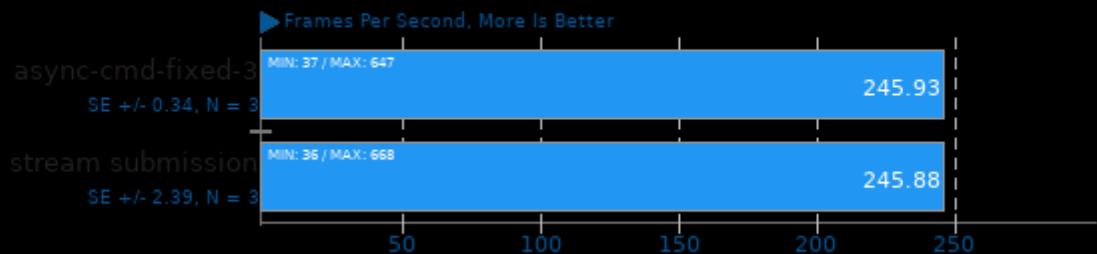
## Unigine Valley 1.0

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



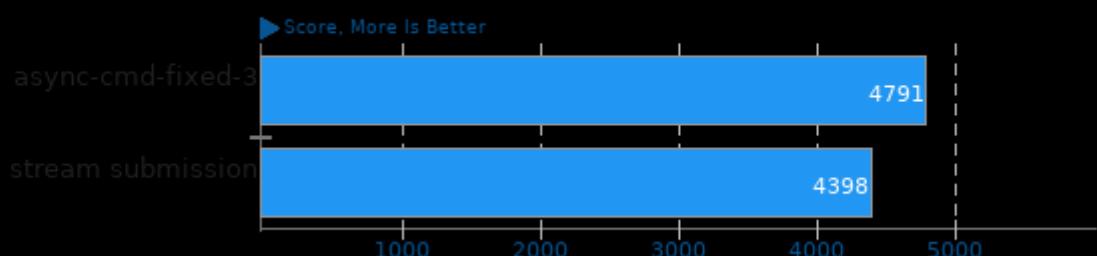
## Xonotic 0.8.2

Resolution: 1024 x 768 - Effects Quality: Ultimate



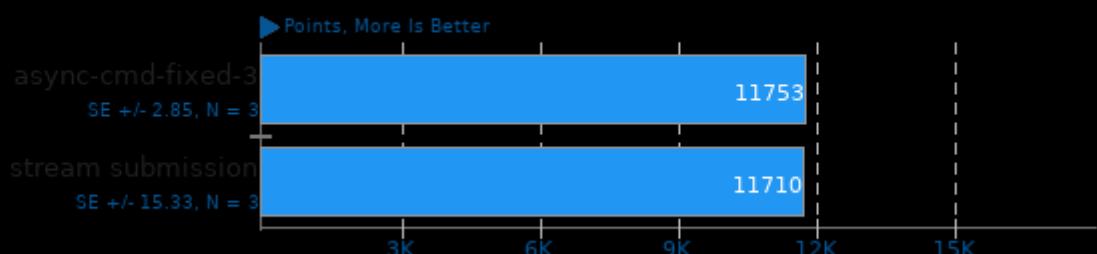
## GLmark2 2021.08.30

Resolution: 1024 x 768



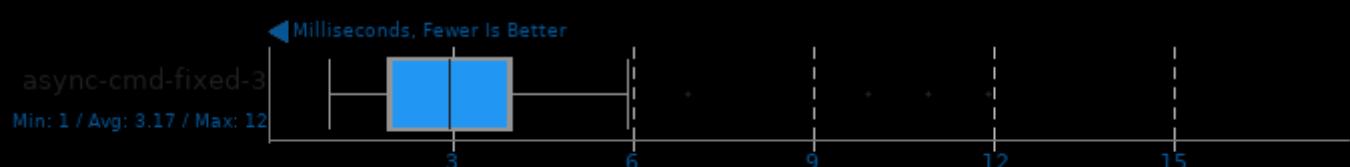
## GpuTest 0.7.0

Resolution: 1024 x 768 - Mode: Fullscreen

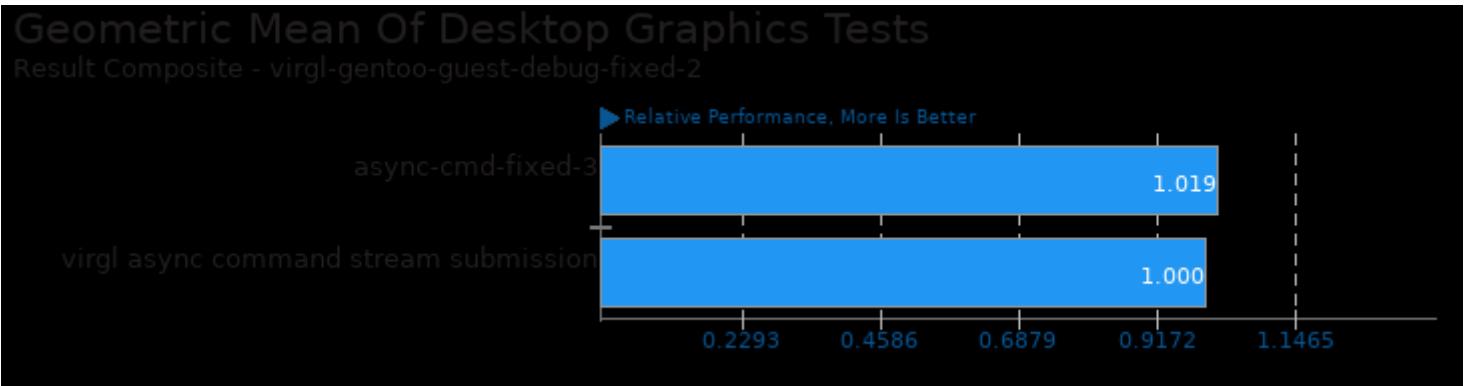


## OpenArena 0.8.8

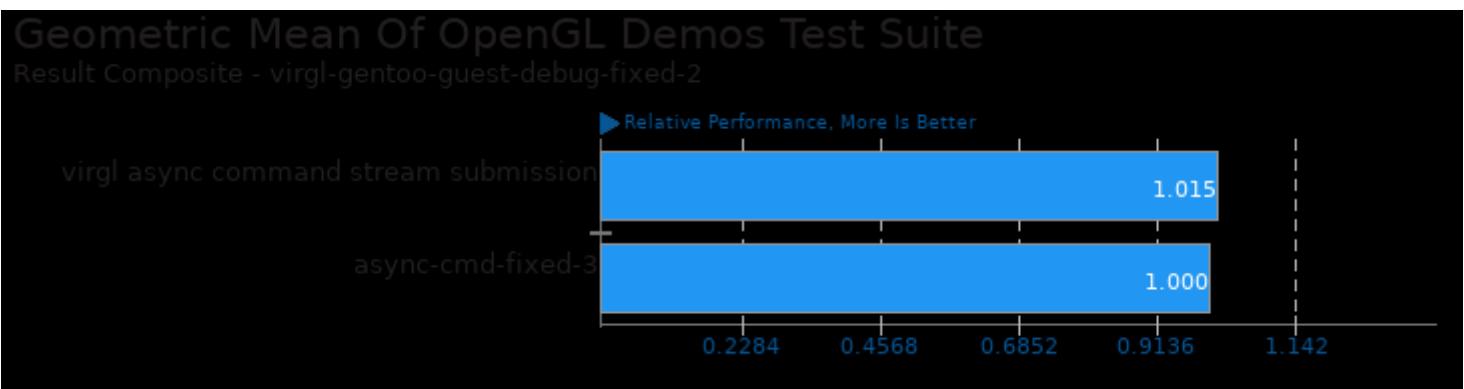
Resolution: 1024 x 768 - Total Frame Time



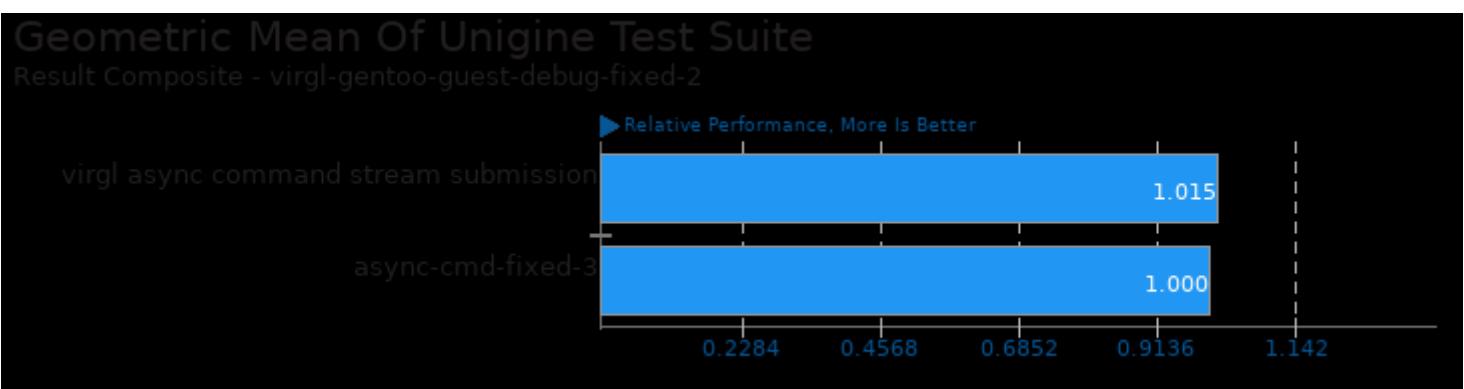
These geometric means are based upon test groupings / test suites for this result file.



Geometric mean based upon tests: pts/xonotic, pts/openarena, pts/unigine-valley, pts/unigine-heaven and pts/glmark2



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



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

*This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 07:27.*