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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 retpoline STIBP: disabled RSB filling + srbds: 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

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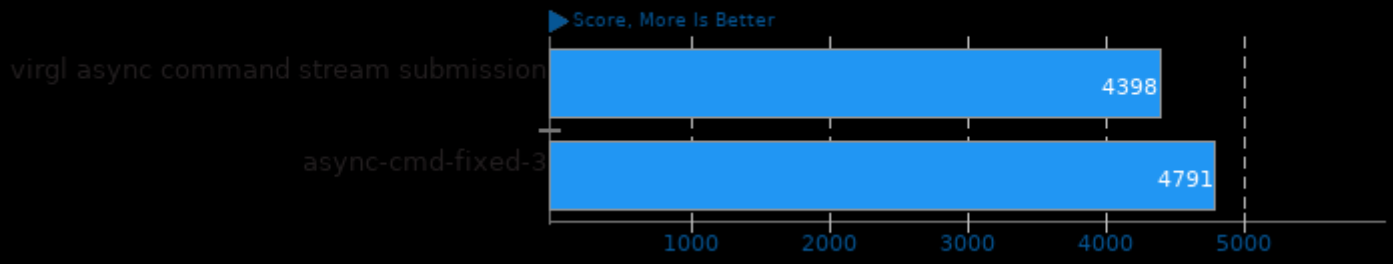
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| | virgl async command stream submission | async-cmd-fixed-3 |
|---|---|---|
| **GLmark2 - 1024 x 768 (Score)** | **4398** | **4791** |
| **Normalized** | 91.8% | 100% |
| **GpuTest - 1024 x 768 - Fullscreen (Points)** | **11710** | **11753** |
|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

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

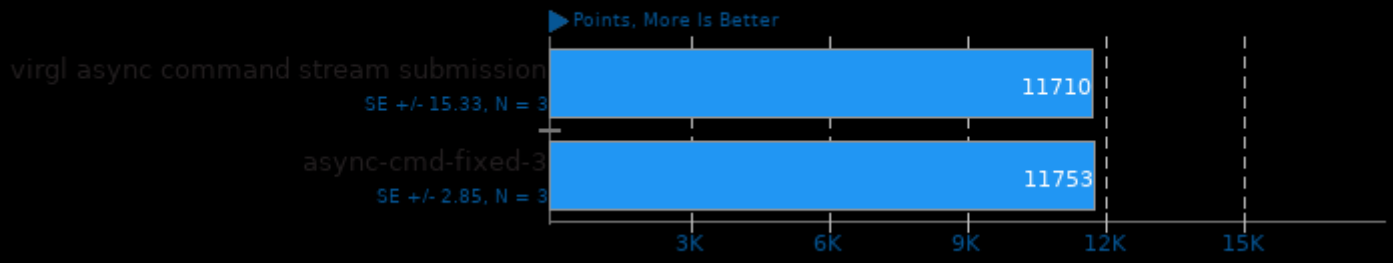
## GLmark2 2021.08.30

Resolution: 1024 x 768



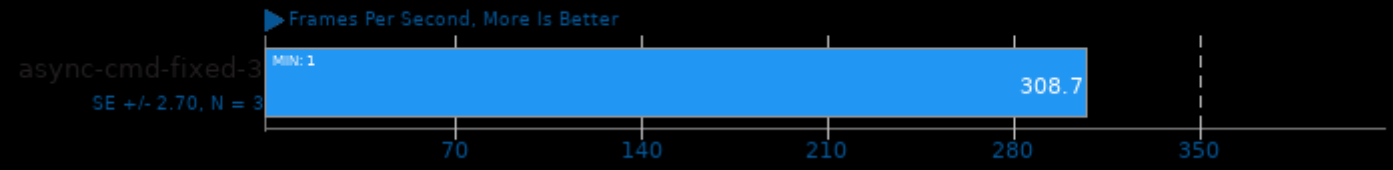

## GpuTest 0.7.0

Resolution: 1024 x 768 - Mode: Fullscreen



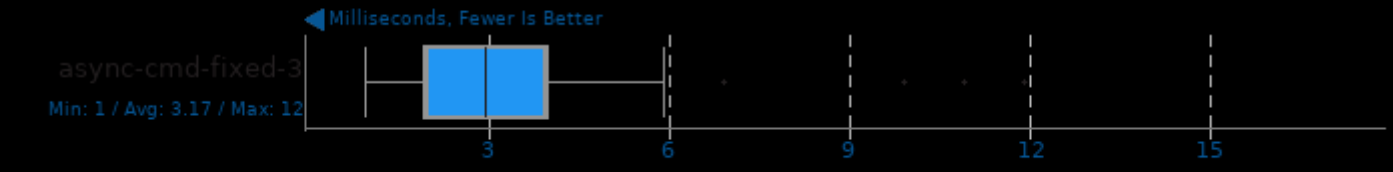

## OpenArena 0.8.8

Resolution: 1024 x 768



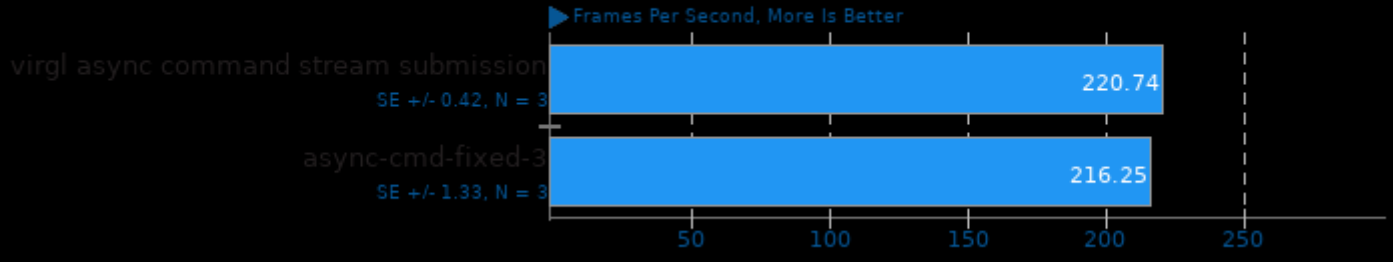

## OpenArena 0.8.8

Resolution: 1024 x 768 - Total Frame Time

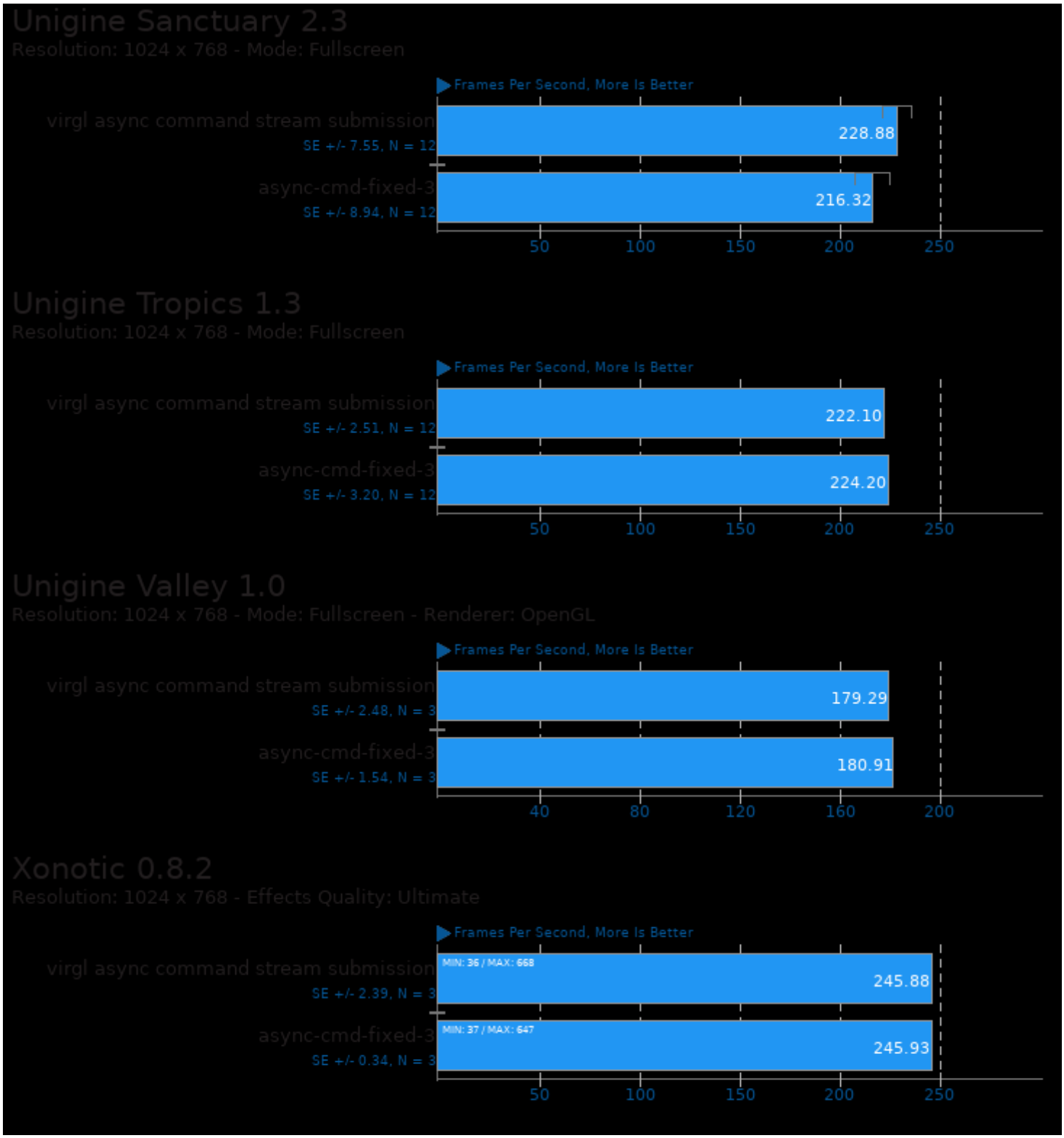



## Unigine Heaven 4.0

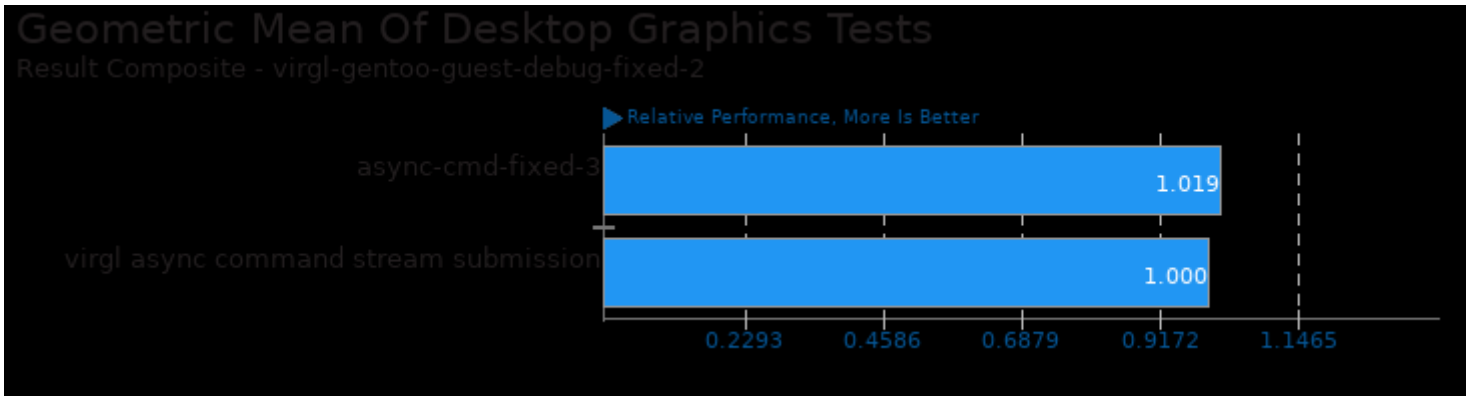
Resolution: 1024 x 768 - Mode: Fullscreen - Renderer: OpenGL



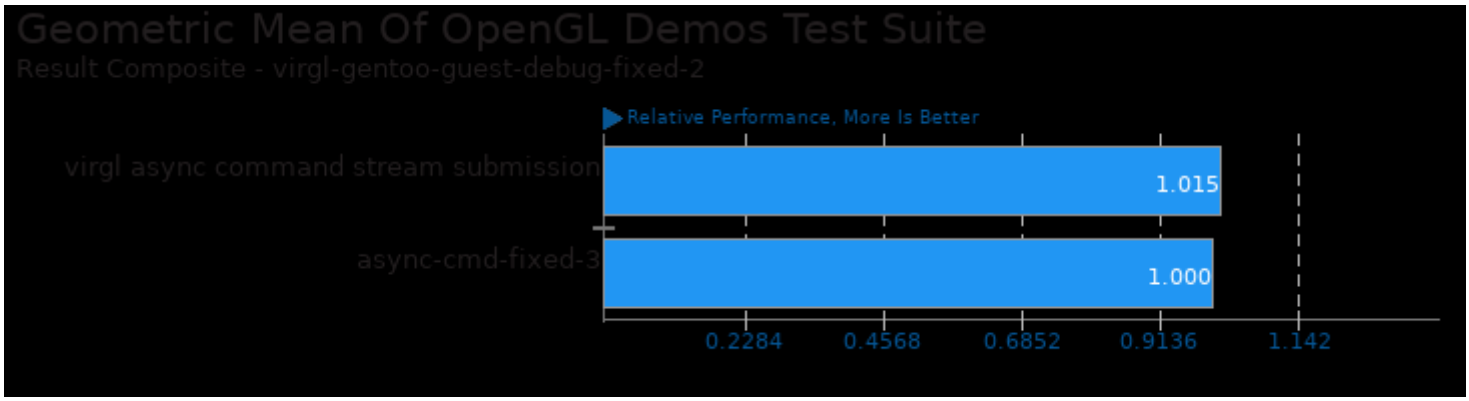
# virgl-gentoo-guest-debug-fixed-2



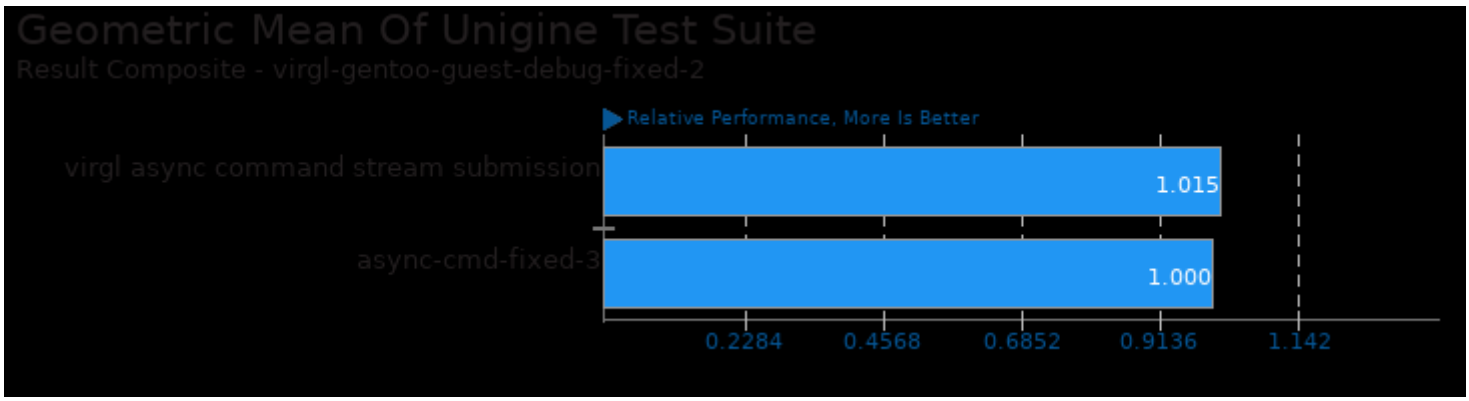
These geometric means are based upon test groupings / test suites for this result file.




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 15:37.*