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# kvazaar icelake

Intel Core i7-1065G7 testing with a Dell 06CDVY (1.0.9 BIOS) and Intel Iris Plus ICL GT2 3GB on Ubuntu 21.04 via the Phoronix Test Suite.

**Automated Executive Summary**

*1 had the most wins, coming in first place for 50% of the tests.*

*Based on the geometric mean of all complete results, the fastest (1) was 1.011x the speed of the slowest (2). 3 was 0.992x the speed of 1 and 2 was 0.998x the speed of 3.*

## Test Systems:

**1**

**2**

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## 3

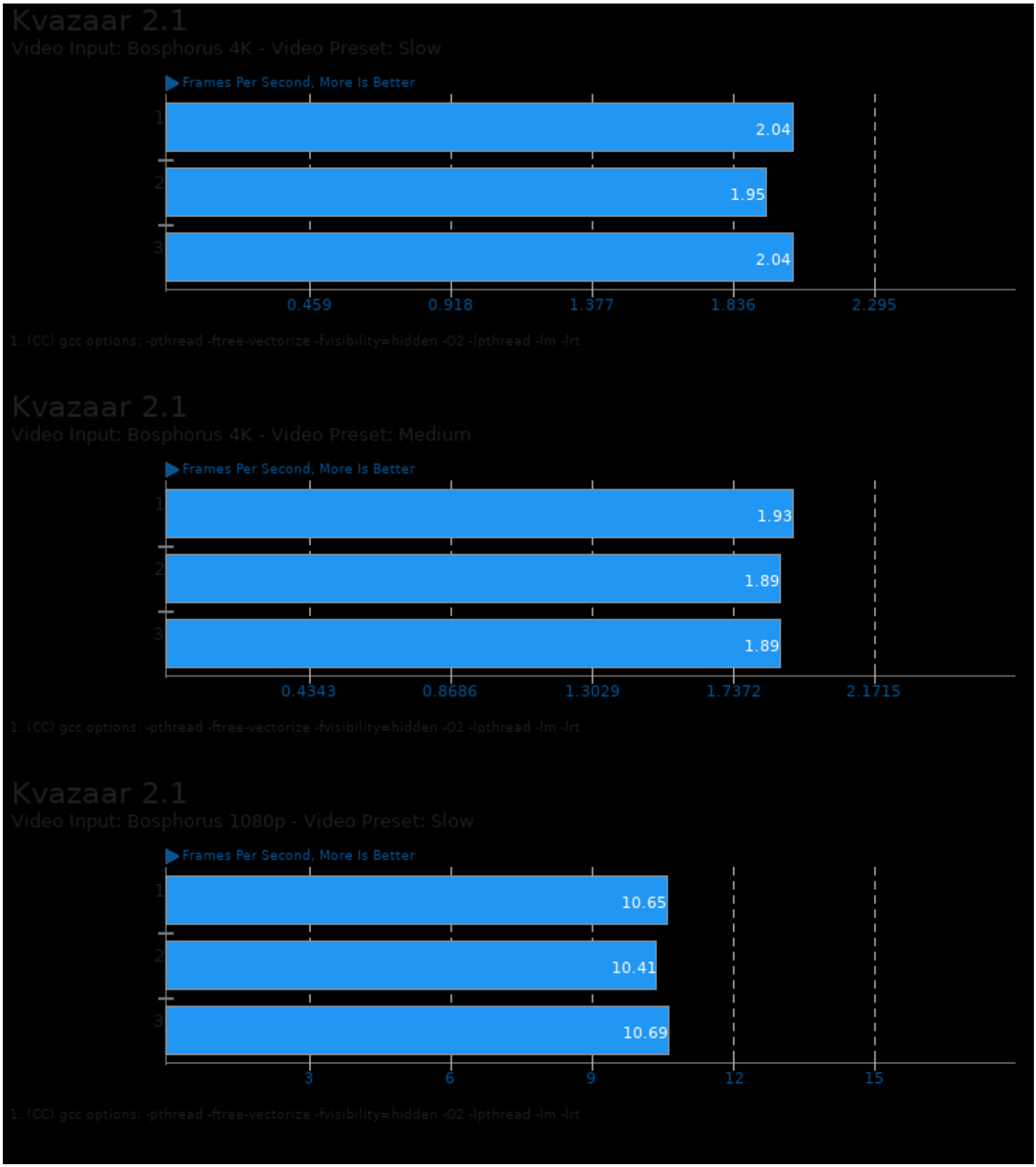
Processor: Intel Core i7-1065G7 @ 3.90GHz (4 Cores / 8 Threads), Motherboard: Dell 06CDVY (1.0.9 BIOS), Chipset: Intel Ice Lake-LP DRAM, Memory: 16GB, Disk: Toshiba KBG40ZPZ512G NVMe 512GB, Graphics: Intel Iris Plus ICL GT2 3GB (1100MHz), Audio: Realtek ALC289, Network: Intel Killer Wi-Fi 6 AX1650i 160MHz

OS: Ubuntu 21.04, Kernel: 5.13.0-051300-generic (x86_64), Desktop: GNOME Shell 3.38.4, Display Server: X Server + Wayland, OpenGL: 4.6 Mesa 21.2.0-devel (git-4698755 2021-07-03 hirsute-oibaf-ppa), Vulkan: 1.2.182, Compiler: GCC 10.3.0, File-System: ext4, Screen Resolution: 1920x1200

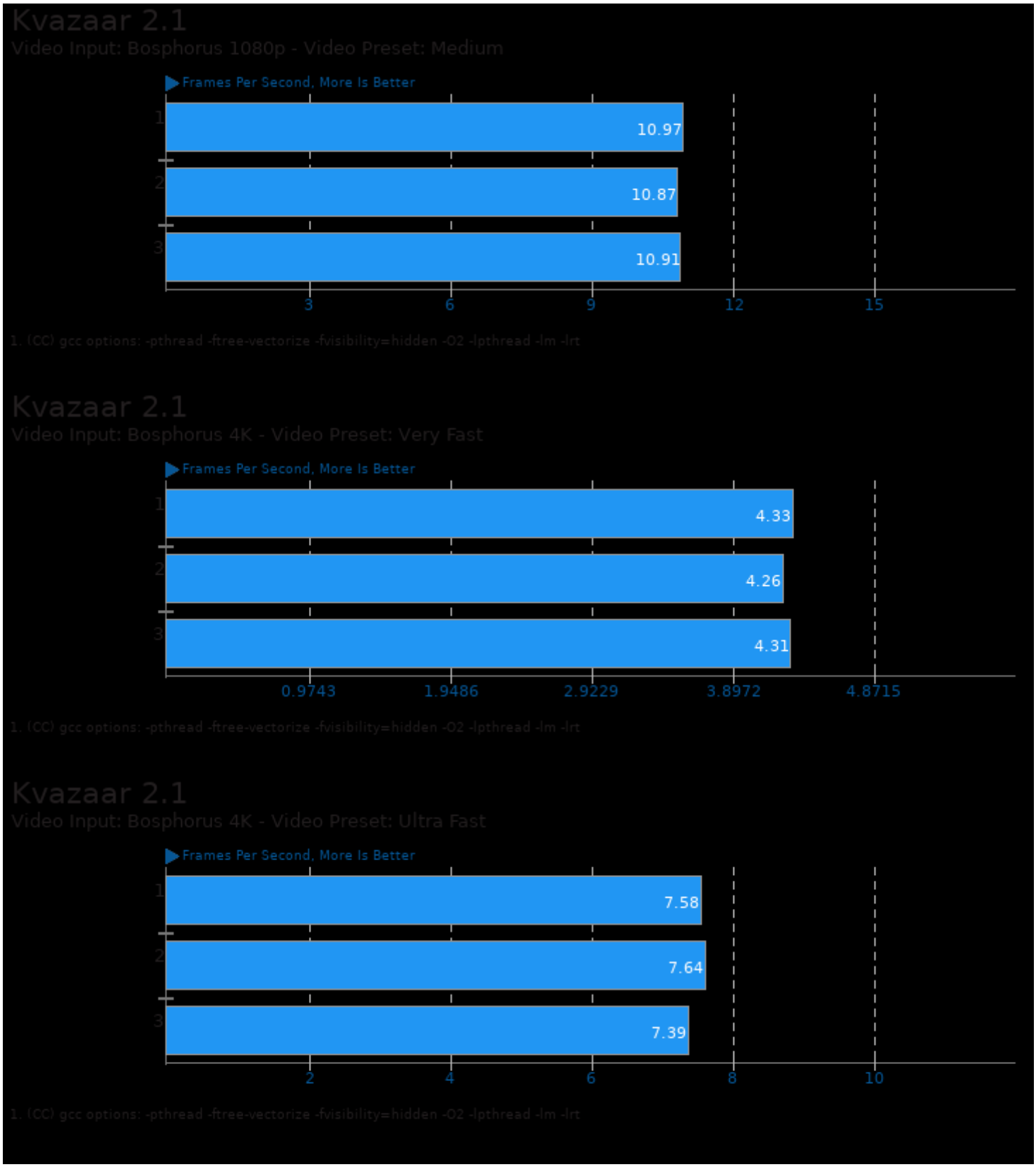
Kernel Notes: Transparent Huge Pages: madvise
Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-bootstrap --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++,m2 --enable-libphobos-checking=release --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-link-mutex --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none=/build/gcc-10-gDeRY6/gcc-10-10.3.0/debian/tmp-nvptx/usr,amdgcn-amdhsa=/build/gcc-10-gDeRY6/gcc-10-10.3.0/debian/tmp-gcn/usr, hsa --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --program-prefix=x86_64-linux-gnu- --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-build-config=bootstrap-lto-lean --with-default-libstdcxx-abi=new --with-gcc-major-version-only --with-multilib-list=m32,m64,mx32 --with-target-system-zlib=auto --with-tune=generic --without-cuda-driver -v
Processor Notes: Scaling Governor: intel_pstate powersave - CPU Microcode: 0xa6 - Thermald 2.4.3
Security Notes: itlb_multihit: KVM: Mitigation of VMX disabled + l1tf: Not affected + mds: Not affected + meltdown: Not affected + spec_store_bypass: Mitigation of SSB disabled via prctl and seccomp + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Enhanced IBRS IBPB: conditional RSB filling + srbds: Not affected + tsx_async_abort: Not affected

| | 1 | 2 | 3 |
|---|---|---|---|
| **Kvazaar - Bosphorus 4K - Slow (FPS)** | **2.04** | **1.95** | **2.04** |
| **Normalized** | 100% | 95.59% | 100% |
| **Kvazaar - Bosphorus 4K - Medium (FPS)** | **1.93** | **1.89** | **1.89** |
| **Normalized** | 100% | 97.93% | 97.93% |
| **Kvazaar - Bosphorus 1080p - Slow (FPS)** | 10.65 | **10.41** | **10.69** |
| **Normalized** | 99.63% | 97.38% | 100% |
| **Kvazaar - Bosphorus 1080p - Medium (FPS)** | **10.97** | **10.87** | 10.91 |
| **Normalized** | 100% | 99.09% | 99.45% |
| **Kvazaar - Bosphorus 4K - Very Fast (FPS)** | **4.33** | **4.26** | 4.31 |
| **Normalized** | 100% | 98.38% | 99.54% |
| **Kvazaar - Bosphorus 4K - Ultra Fast (FPS)** | 7.58 | **7.64** | **7.39** |
| **Normalized** | 99.21% | 100% | 96.73% |
| **Kvazaar - Bosphorus 1080p - Very Fast (FPS)** | 21.65 | **21.89** | **20.85** |
| **Normalized** | 98.9% | 100% | 95.25% |
| **Kvazaar - Bosphorus 1080p - Ultra Fast** | **39.7** | 40.09 | **40.61** |
| **Normalized** | 97.76% | 98.72% | 100% |

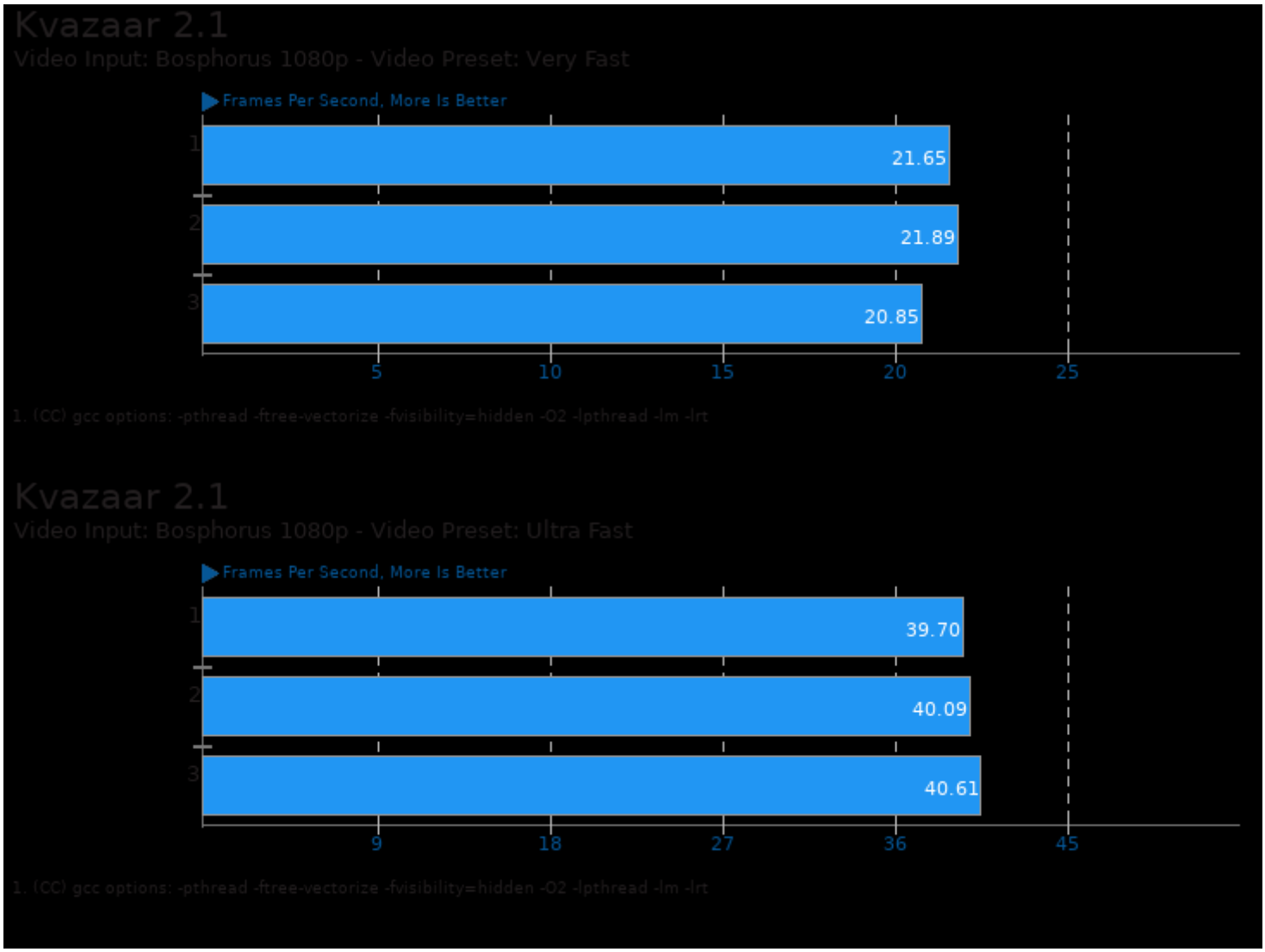
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*This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 16:32.*