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Intel Core i7-1065G7 testing with a Dell 06CDVY (1.0.9 BIOS) and Intel Iris Plus G7 3GB on Ubuntu 20.04 via the Phoronix Test Suite.

Automated Executive Summary

1 had the most wins, coming in first place for 66% of the tests.

Based on the geometric mean of all complete results, the fastest (2) was 1.003x the speed of the slowest (3). 1 was 0.997x the speed of 2 and 3 was 1x the speed of 1.

Test Systems:

1

2

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3

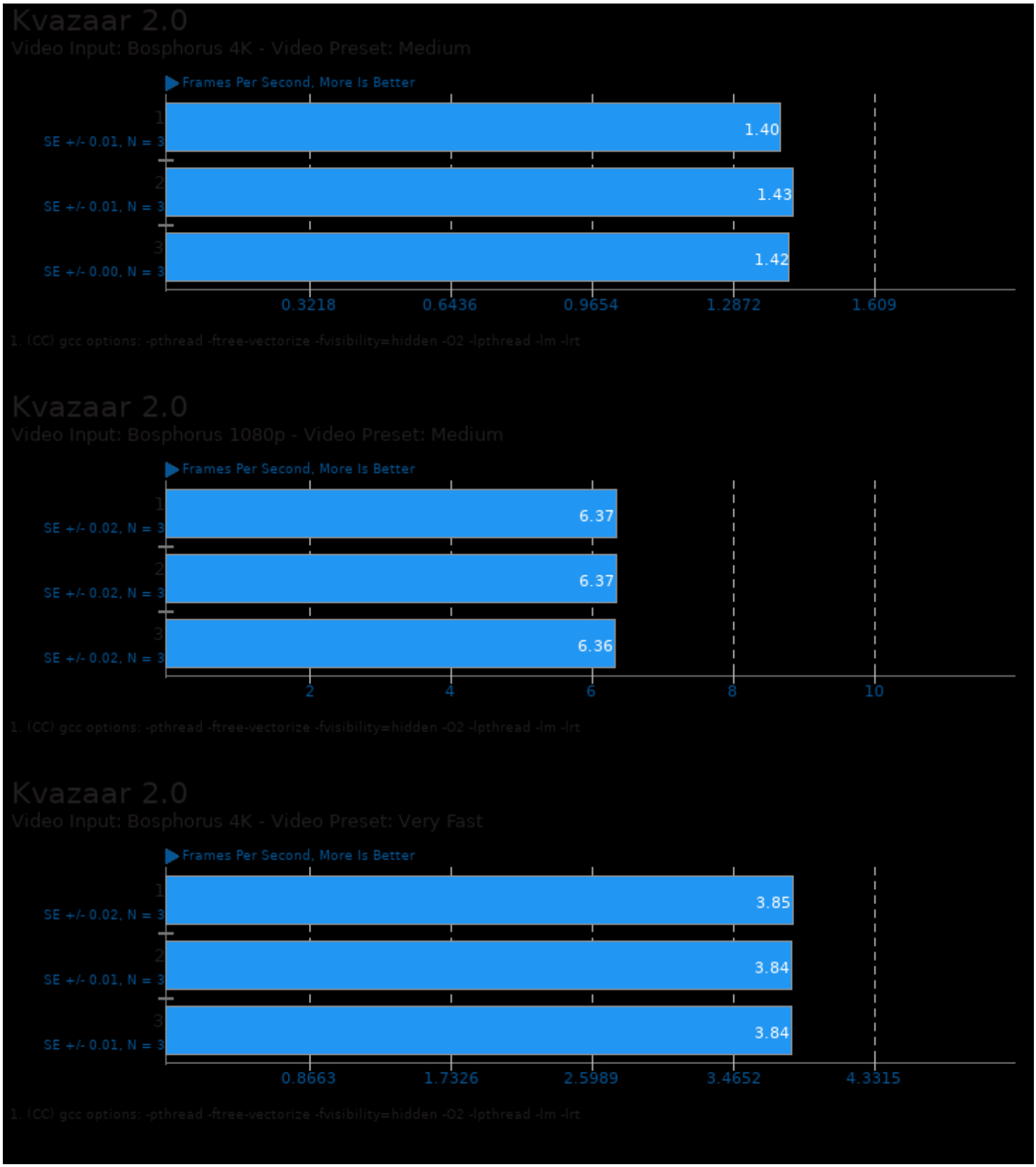
Processor: Intel Core i7-1065G7 @ 3.90GHz (4 Cores / 8 Threads), Motherboard: Dell 06CDVY (1.0.9 BIOS), Chipset: Intel Device 34ef, Memory: 16GB, Disk: KBG40ZPZ512G NVMe TOSHIBA 512GB, Graphics: Intel Iris Plus G7 3GB (1100MHz), Audio: Realtek ALC289, Network: Intel Killer Wi-Fi 6 AX1650i 160MHz

OS: Ubuntu 20.04, Kernel: 5.9.0-050900rc7daily20201003-generic (x86_64) 20201002, Desktop: GNOME Shell 3.36.4, Display Server: X Server 1.20.8, Display Driver: modesetting 1.20.8, OpenGL: 4.6 Mesa 20.3.0-devel (git-81cd4c8 2020-10-03 focal-oibaf-ppa), OpenCL: OpenCL 2.1, Vulkan: 1.2.145, Compiler: GCC 9.3.0, File-System: ext4, Screen Resolution: 1920x1200

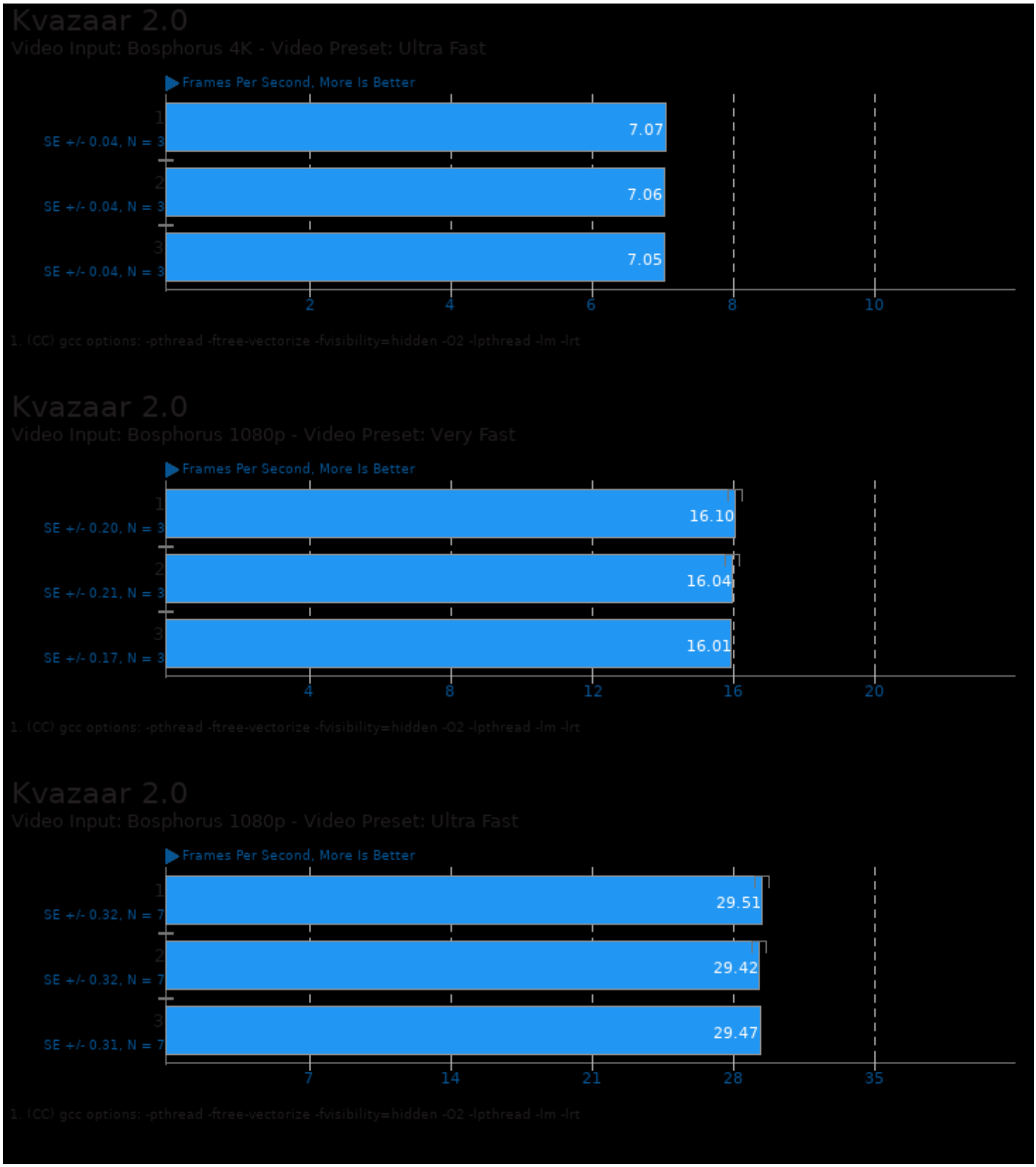
Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++,gm2 --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none=/build/gcc-9-HskZEa/gcc-9-9.3.0/debian/tmp-nvptx/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-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: 0x78
Java Notes: OpenJDK Runtime Environment (build 11.0.8+10-post-Ubuntu-0ubuntu120.04)
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 - Medium (FPS)	**1.40**	**1.43**	1.42
Normalized	97.9%	100%	99.3%
Standard Deviation	1.5%	0.8%	0.4%
Kvazaar - Bosphorus 1080p - Medium (FPS)	**6.37**	**6.37**	**6.36**
Normalized	100%	100%	99.84%
Standard Deviation	0.5%	0.6%	0.6%
Kvazaar - Bosphorus 4K - Very Fast (FPS)	**3.85**	**3.84**	**3.84**
Normalized	100%	99.74%	99.74%
Standard Deviation	0.7%	0.6%	0.4%
Kvazaar - Bosphorus 4K - Ultra Fast (FPS)	**7.07**	7.06	**7.05**
Normalized	100%	99.86%	99.72%
Standard Deviation	0.9%	0.9%	0.9%
Kvazaar - Bosphorus 1080p - Very Fast (FPS)	**16.10**	16.04	**16.01**
Normalized	100%	99.63%	99.44%
Standard Deviation	2.2%	2.3%	1.9%
Kvazaar - Bosphorus 1080p - Ultra Fast	**29.51**	**29.42**	29.47
Normalized	100%	99.7%	99.86%
Standard Deviation	2.9%	2.9%	2.8%
x265 - Bosphorus 4K (FPS)	**4.75**	**4.74**	**4.75**
Normalized	100%	99.79%	100%
Standard Deviation	1.1%	0.7%	0.9%
x265 - Bosphorus 1080p (FPS)	**21.89**	**22.02**	22.01
Normalized	99.41%	100%	99.95%
Standard Deviation	0.9%	3.9%	2.5%
Sunflow Rendering System - G.I.I.S (sec)	3.257	**3.216**	**3.287**
Normalized	98.74%	100%	97.84%
Standard Deviation	0.8%	1.9%	2.7%

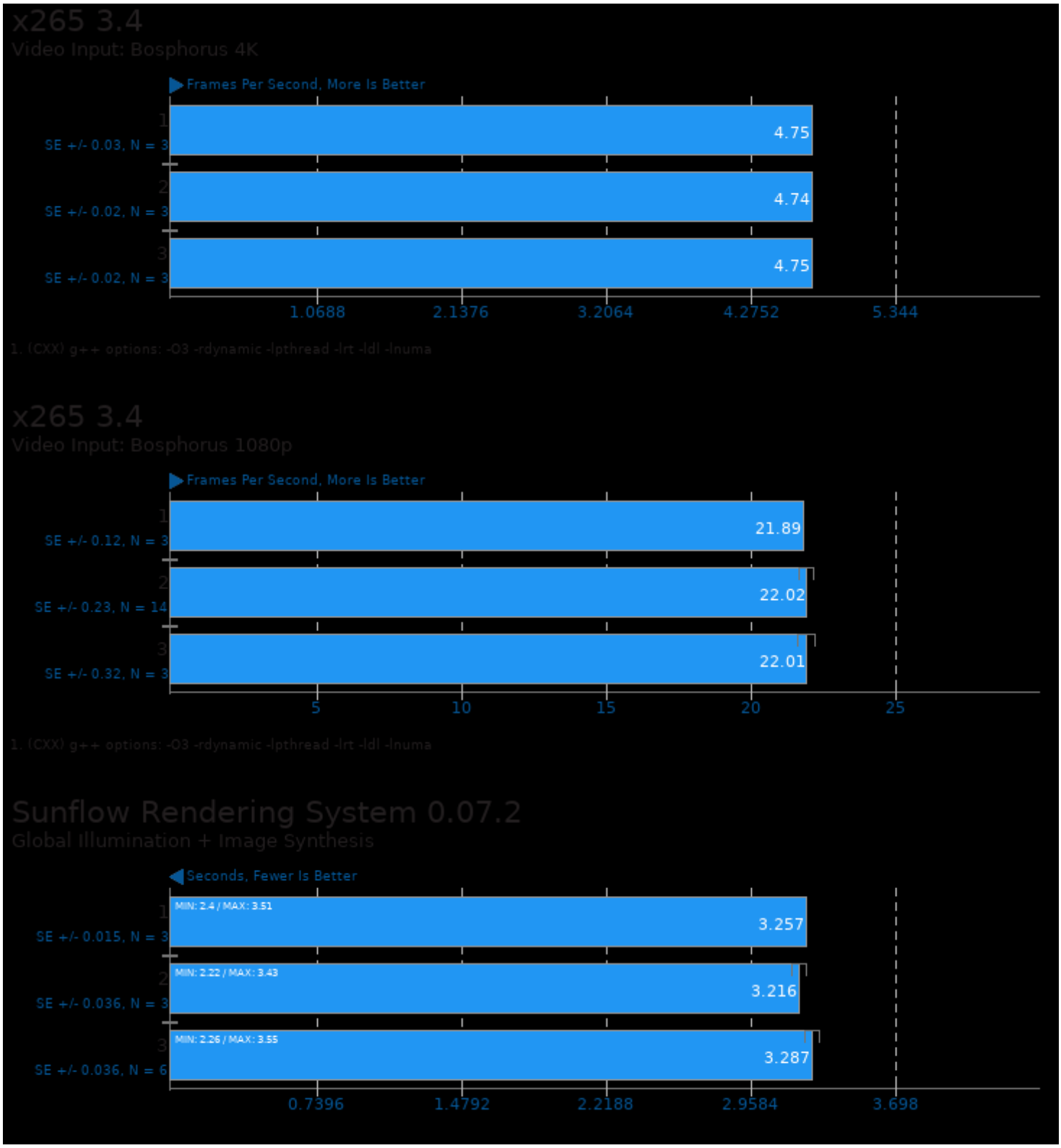
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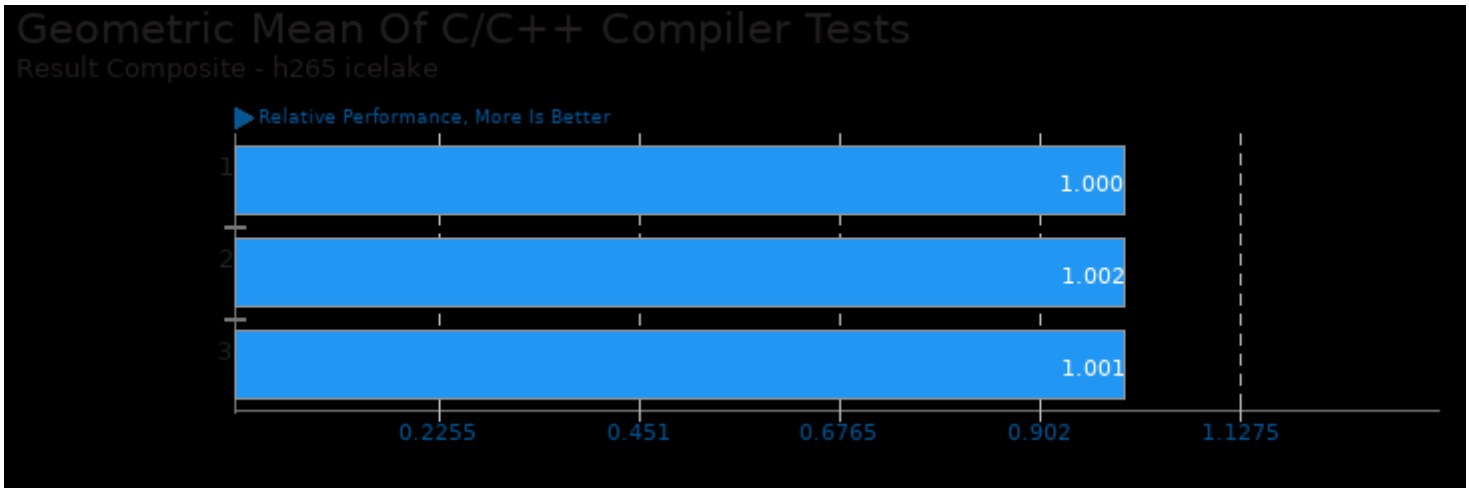


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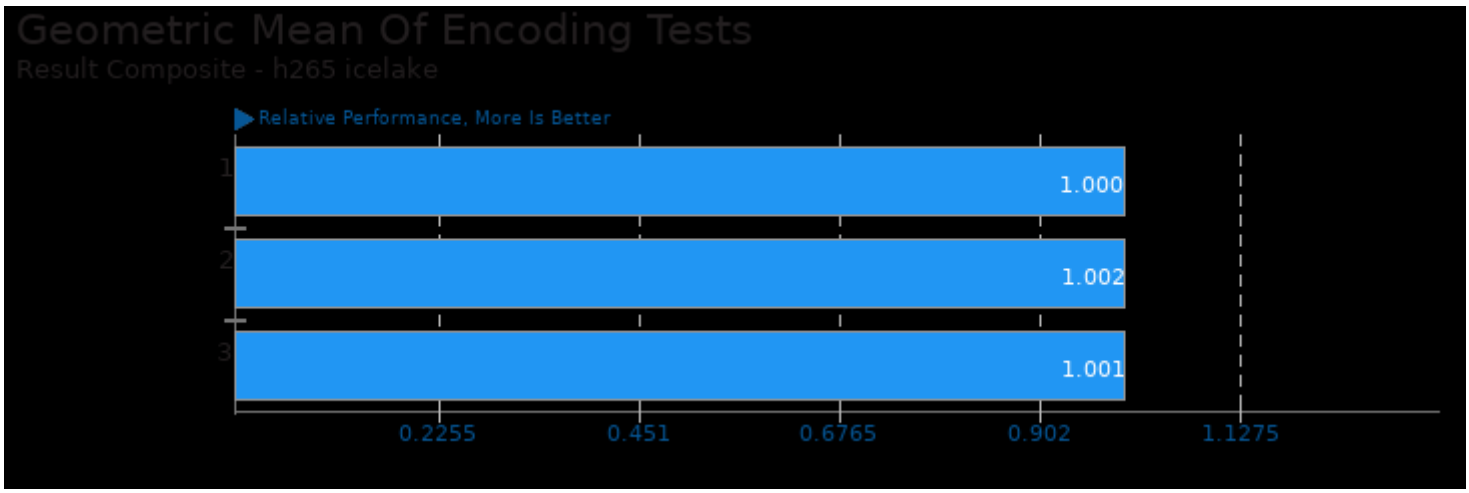
These geometric means are based upon test groupings / test suites for this result file.



Geometric mean based upon tests: pts/x265 and pts/kvazaar



Geometric mean based upon tests: pts/x265 and pts/kvazaar

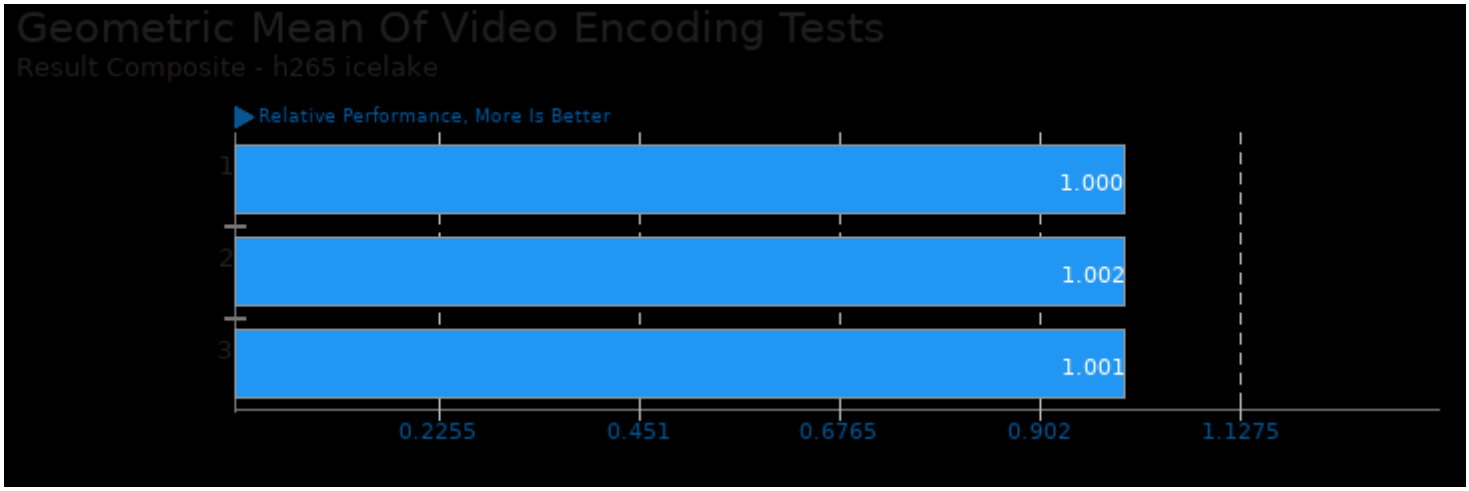


Geometric mean based upon tests: pts/x265 and pts/kvazaar

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Geometric mean based upon tests: pts/x265 and pts/kvazaar



Geometric mean based upon tests: pts/x265 and pts/kvazaar

This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 06:59.