



## 5950xCPU

Intel Core i7-13700K testing with a MSI MAG B660M MORTAR MAX WIFI DDR4 (MS-7D97) v1.0 (1.30 BIOS) and nouveaudrmfb on Debian GNU/Linux 11 via the Phoronix Test Suite.

### Automated Executive Summary

*AMD Ryzen 9 5950X 16-Core had the most wins, coming in first place for 40% of the tests.*

*Based on the geometric mean of all complete results, the fastest (AMD Ryzen 9 5950X 16-Core) was 1.093x the speed of the slowest (13700k). dajecPU was 0.95x the speed of AMD Ryzen 9 5950X 16-Core, stabile was 0.973x the speed of dajecPU, 13700k was 0.99x the speed of stabile.*

*The results with the greatest spread from best to worst included:*

*7-Zip Compression (Test: Decompression Rating) at 1.419x*

*Sysbench (Test: CPU) at 1.353x*

*Timed GCC Compilation (Time To Compile) at 1.325x*

*Rodinia (Test: OpenMP CFD Solver) at 1.318x*

*Kvazaar (Video Input: Bosphorus 4K - Video Preset: Slow) at 1.299x*

*Kvazaar (Video Input: Bosphorus 4K - Video Preset: Medium) at 1.294x*

*NAMD (ATPase Simulation - 327,506 Atoms) at 1.28x*

*ctx\_clock (Context Switch Time) at 1.25x*

*Kvazaar (Video Input: Bosphorus 4K - Video Preset: Ultra Fast) at 1.221x*  
*Kvazaar (Video Input: Bosphorus 1080p - Video Preset: Very Fast) at 1.213x.*

## Test Systems:

### dajeCPU

Processor: AMD Ryzen 9 5950X 16-Core @ 3.40GHz (16 Cores / 32 Threads), Motherboard: MSI MAG B550M MORTAR (MS-7C94) v1.0 (1.70 BIOS), Chipset: AMD Starship/Matisse, Memory: 2 x 8 GB DDR4-3200MT/s LD4BU008G-3200XG, Disk: 1000GB Sabrent Rocket 4.0 1TB + 1000GB Western Digital WDS100T1B0A-, Graphics: Zotac NVIDIA GeForce GT 710 2GB, Audio: NVIDIA GK208 HDMI/DP, Monitor: DELL P1917S, Network: Realtek RTL8125 2.5GbE

OS: Debian GNU/Linux 11, Kernel: 5.15.83-1-pve (x86\_64), Display Server: X Server, Vulkan: 1.0.2, Compiler: GCC 10.2.1 20210110, File-System: ext4, Screen Resolution: 1280x1024

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-Km9U7s/gcc-10-10.2.1/debian/tmp-nvptx/usr,amdgc-nv-none=/build/gcc-10-Km9U7s/gcc-10-10.2.1/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: acpi-cpufreq performance (Boost: Enabled) - CPU Microcode: 0x0

Security Notes: itlb\_multihit: Not affected + I1tf: 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 and seccomp + spectre\_v1: Mitigation of usercopy/swaps barriers and \_\_user pointer sanitization + spectre\_v2: Mitigation of Retpolines IBPB: conditional IBRS\_FW STIBP: always-on RSB filling PBRSE-IBRS: Not affected + srbds: Not affected + tsx\_async\_abort: Not affected

### AMD Ryzen 9 5950X 16-Core

Processor: AMD Ryzen 9 5950X 16-Core @ 4.60GHz (16 Cores / 32 Threads), Motherboard: MSI MAG B550M MORTAR (MS-7C94) v1.0 (1.70 BIOS), Chipset: AMD Starship/Matisse, Memory: 2 x 8 GB DDR4-3200MT/s LD4BU008G-3200XG, Disk: 1000GB Sabrent Rocket 4.0 1TB + 1000GB Western Digital WDS100T1B0A-, Graphics: Zotac NVIDIA GeForce GT 710 2GB, Audio: NVIDIA GK208 HDMI/DP, Monitor: DELL P1917S, Network: Realtek RTL8125 2.5GbE

OS: Debian GNU/Linux 11, Kernel: 5.15.83-1-pve (x86\_64), Display Server: X Server, Vulkan: 1.0.2, Compiler: GCC 10.2.1 20210110, File-System: ext4, Screen Resolution: 1280x1024

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-Km9U7s/gcc-10-10.2.1/debian/tmp-nvptx/usr,amdgc-nv-none=/build/gcc-10-Km9U7s/gcc-10-10.2.1/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: acpi-cpufreq performance (Boost: Enabled) - CPU Microcode: 0x0

Security Notes: itlb\_multihit: Not affected + I1tf: 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 and seccomp + spectre\_v1: Mitigation of usercopy/swaps barriers and \_\_user pointer sanitization + spectre\_v2: Mitigation of Retpolines IBPB: conditional IBRS\_FW STIBP: always-on RSB filling PBRSE-IBRS: Not affected + srbds: Not affected + tsx\_async\_abort: Not affected

### stable

Processor: AMD Ryzen 9 5950X 16-Core @ 3.40GHz (16 Cores / 32 Threads), Motherboard: MSI MAG B50M MORTAR (MS-7C94) v1.0 (1.70 BIOS), Chipset: AMD Starship/Matisse, Memory: 2 x 8 GB DDR4-3200MT/s LD4BU008G-3200XG, Disk: 1000GB Sabrent Rocket 4.0 1TB + 1000GB Western Digital WDS100T1B0A-, Graphics: Zotac NVIDIA GeForce GT 710 2GB, Audio: NVIDIA GK208 HDMI/DP, Monitor: DELL P1917S, Network: Realtek RTL8125 2.5GbE

OS: Debian GNU/Linux 11, Kernel: 5.15.83-1-pve (x86\_64), Display Server: X Server, Vulkan: 1.0.2, Compiler: GCC 10.2.1 20210110, File-System: ext4, Screen Resolution: 1280x1024

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-Km9U7s/gcc-10-10.2.1/debian/tmp-nvptx/usr,amdgc-n-amdhsa=/build/gcc-10-Km9U7s/gcc-10-10.2.1/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: acpi-cpufreq performance (Boost: Enabled) - CPU Microcode: 0x0  
 Security Notes: itlb\_multihit: Not affected + I1tf: 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 and seccomp + spectre\_v1: Mitigation of usercopy/swaps barriers and \_\_user pointer sanitization + spectre\_v2: Mitigation of Retpolines IBPB: conditional IBRS\_FW STIBP: always-on RSB filling PBRSE-elBRS: Not affected + srbds: Not affected + tsx\_async\_abort: Not affected

## 13700k

Processor: Intel Core i7-13700K @ 5.30GHz (16 Cores / 24 Threads), Motherboard: MSI MAG B660M MORTAR MAX WIFI DDR4 (MS-7D97) v1.0 (1.30 BIOS), Chipset: Intel Device 7aa7, Memory: 2 x 8 GB DDR4-3600MT/s, Disk: 2000GB Samsung SSD 980 PRO 2TB + 1000GB 00T1B0A-00H9, Graphics: nouveaudrmfb, Audio: Realtek ALC897, Monitor: BenQ EW3270U, Network: Realtek RTL8125 2.5GbE + Intel Device 7af0

OS: Debian GNU/Linux 11, Kernel: 5.15.83-1-pve (x86\_64), Display Server: X Server, Vulkan: 1.0.2, Compiler: GCC 10.2.1 20210110, File-System: ext4, Screen Resolution: 3840x2160

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-Km9U7s/gcc-10-10.2.1/debian/tmp-nvptx/usr,amdgc-n-amdhsa=/build/gcc-10-Km9U7s/gcc-10-10.2.1/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 performance (EPP: performance) - CPU Microcode: 0x10f  
 Security Notes: itlb\_multihit: Not affected + I1tf: 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 and seccomp + spectre\_v1: Mitigation of usercopy/swaps barriers and \_\_user pointer sanitization + spectre\_v2: Mitigation of Enhanced IBRS IBPB: conditional RSB filling PBRSE-elBRS: SW sequence + srbds: Not affected + tsx\_async\_abort: Not affected

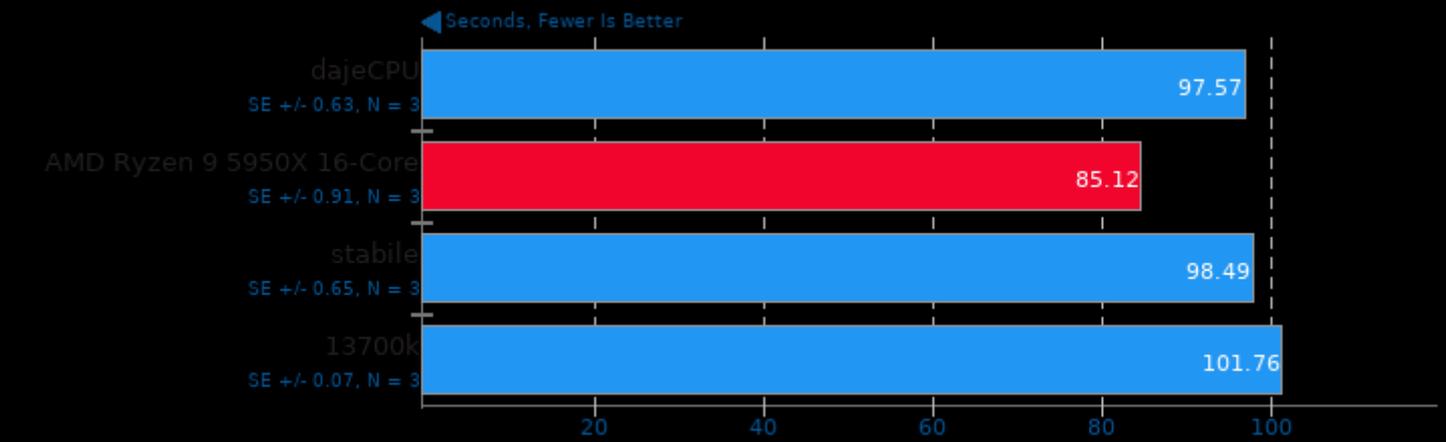
	dajeCPU	AMD Ryzen 9 5950X 16-Core	stabile	13700k
<b>Rodinia - OpenMP LavaMD (sec)</b>	97.565	<b>85.116</b>	98.492	<b>101.762</b>
Normalized	87.24%	100%	86.42%	83.64%
Standard Deviation	1.1%	1.9%	1.1%	0.1%
<b>Rodinia - OpenMP CFD Solver (sec)</b>	<b>11.104</b>	10.746	11.028	<b>8.425</b>
Normalized	75.87%	78.4%	76.4%	100%
Standard Deviation	0.8%	0.7%	0.6%	1.9%

<b>NAMD - ATPase Simulation - 327,506 Atoms (days/ns)</b>	<b>1.00772</b>	0.92787	0.99973	<b>0.78731</b>
Normalized	78.13%	84.85%	78.75%	100%
Standard Deviation	0.3%	0.6%	0.6%	0.1%
<b>Kvazaar - Bosphorus 4K - Slow (FPS)</b>	16.98	<b>18.57</b>	16.6	<b>14.30</b>
Normalized	91.44%	100%	89.39%	77.01%
Standard Deviation	1.6%	1.7%	1%	1.7%
<b>Kvazaar - Bosphorus 4K - Medium</b>	17.55	<b>19.29</b>	17.18	<b>14.91</b>
Normalized	90.98%	100%	89.06%	77.29%
Standard Deviation	0.1%	0.1%	0.1%	0.2%
<b>Kvazaar - Bosphorus 1080p - Slow (FPS)</b>	69.66	<b>71.99</b>	66.44	<b>61.37</b>
Normalized	96.76%	100%	92.29%	85.25%
Standard Deviation	0.1%	2.4%	2.4%	4.3%
<b>Kvazaar - Bosphorus 1080p - Medium (FPS)</b>	72.48	<b>75.43</b>	69.80	<b>64.32</b>
Normalized	96.09%	100%	92.54%	85.27%
Standard Deviation	0.1%	0.1%	0%	0.1%
<b>Kvazaar - Bosphorus 4K - Very Fast (FPS)</b>	38.46	<b>41.53</b>	37.16	<b>36.13</b>
Normalized	92.61%	100%	89.48%	87%
Standard Deviation	0.3%	0.3%	0%	0%
<b>Kvazaar - Bosphorus 4K - Ultra Fast (FPS)</b>	62.58	<b>67.62</b>	<b>55.39</b>	59.56
Normalized	92.55%	100%	81.91%	88.08%
Standard Deviation	0.3%	0.3%	1%	0.4%
<b>Kvazaar - Bosphorus 1080p - Very Fast (FPS)</b>	150.89	<b>158.01</b>	145.70	<b>130.24</b>
Normalized	95.49%	100%	92.21%	82.43%
Standard Deviation	0.2%	0.3%	0.3%	0.5%
<b>Kvazaar - Bosphorus 1080p - Ultra Fast (FPS)</b>	237.15	<b>248.33</b>	<b>229.75</b>	233.05
Normalized	95.5%	100%	92.52%	93.85%
Standard Deviation	0.2%	0.2%	0.5%	0%
<b>x264 - Bosphorus 4K (FPS)</b>	52.29	<b>53.15</b>	<b>50.44</b>	51.61
Normalized	98.38%	100%	94.9%	97.1%
Standard Deviation	15.9%	20.1%	18.1%	17%
<b>x264 - Bosphorus 1080p (FPS)</b>	213.15	<b>222.54</b>	<b>205.67</b>	217.97
Normalized	95.78%	100%	92.42%	97.95%
Standard Deviation	16.3%	16.5%	15.6%	12.1%
<b>x265 - Bosphorus 4K (FPS)</b>	28.10	28.92	<b>27.17</b>	<b>30.35</b>
Normalized	92.59%	95.29%	89.52%	100%
Standard Deviation	3.2%	2.6%	2.4%	1.5%
<b>x265 - Bosphorus 1080p (FPS)</b>	<b>93.29</b>	93.23	<b>91.45</b>	91.77
Normalized	100%	99.94%	98.03%	98.37%
Standard Deviation	0.9%	1.1%	1%	3.4%
<b>7-Zip Compression - Compression Rating (MIPS)</b>	95850	95612	<b>96404</b>	<b>93857</b>
Normalized	99.43%	99.18%	100%	97.36%
Standard Deviation	0.2%	0.1%	0.6%	0%
<b>7-Zip Compression - D.R (MIPS)</b>	149990	<b>153966</b>	148858	<b>108519</b>
Normalized	97.42%	100%	96.68%	70.48%
Standard Deviation	0.2%	0.2%	0.2%	1.4%
<b>Stockfish - Total Time (Nodes/s)</b>	56065368		<b>56557496</b>	<b>52568946</b>

	Normalized	99.13%	100%	92.95%
	Standard Deviation	1.8%	3.9%	2.3%
<b>asmFish - 1.H.M.2.D (Nodes/s)</b>		<b>63855244</b>	63665759	<b>58404154</b>
	Normalized	100%	99.7%	91.46%
	Standard Deviation	1.6%	0.9%	0.7%
<b>Timed GCC Compilation - Time To Compile (sec)</b>		<b>637.364</b>	633.159	<b>481.095</b>
	Normalized	75.48%	75.98%	100%
	Standard Deviation	0.4%	0.4%	0.9%
<b>Timed Linux Kernel Compilation - defconfig (sec)</b>		<b>52.493</b>	52.252	<b>47.403</b>
	Normalized	90.3%	90.72%	100%
	Standard Deviation	1.5%	2%	2.1%
<b>Timed Linux Kernel Compilation - allmodconfig (sec)</b>		<b>659.635</b>	658.430	<b>592.649</b>
	Normalized	89.84%	90.01%	100%
	Standard Deviation	0.5%	0.5%	0.2%
<b>POV-Ray - Trace Time (sec)</b>		<b>20.951</b>	20.690	<b>20.247</b>
	Normalized	96.64%	97.86%	100%
	Standard Deviation	0.9%	0.6%	0.1%
<b>Radiance Benchmark - Serial (sec)</b>		<b>421.588</b>	420.959	<b>369.127</b>
	Normalized	87.56%	87.69%	100%
<b>Radiance Benchmark - SMP Parallel (sec)</b>		<b>133.619</b>	129.061	<b>117.184</b>
	Normalized	87.7%	90.8%	100%
<b>OpenSSL - SHA256 (byte/s)</b>		28831228430	<b>29629629750</b>	<b>25653814643</b>
	Normalized	97.31%	100%	86.58%
	Standard Deviation	0.2%	0.2%	0.4%
<b>OpenSSL - RSA4096 (sign/s)</b>		<b>5198</b>	5136	<b>4557</b>
	Normalized	100%	98.81%	87.66%
	Standard Deviation	0.3%	0.1%	0.2%
<b>OpenSSL - RSA4096 (verify/s)</b>		<b>339156</b>	333254	<b>297817</b>
	Normalized	100%	98.26%	87.81%
	Standard Deviation	0.1%	0.1%	0%
<b>ctx_clock - C.S.T (Clocks)</b>		<b>170</b>	<b>136</b>	157
	Normalized	80%	100%	86.62%
	Standard Deviation			0.4%
<b>Sysbench - CPU (Events/sec)</b>		94434	<b>96497</b>	<b>71344</b>
	Normalized	97.86%	100%	73.93%
	Standard Deviation	0.1%	0.1%	0%

### Rodinia 3.1

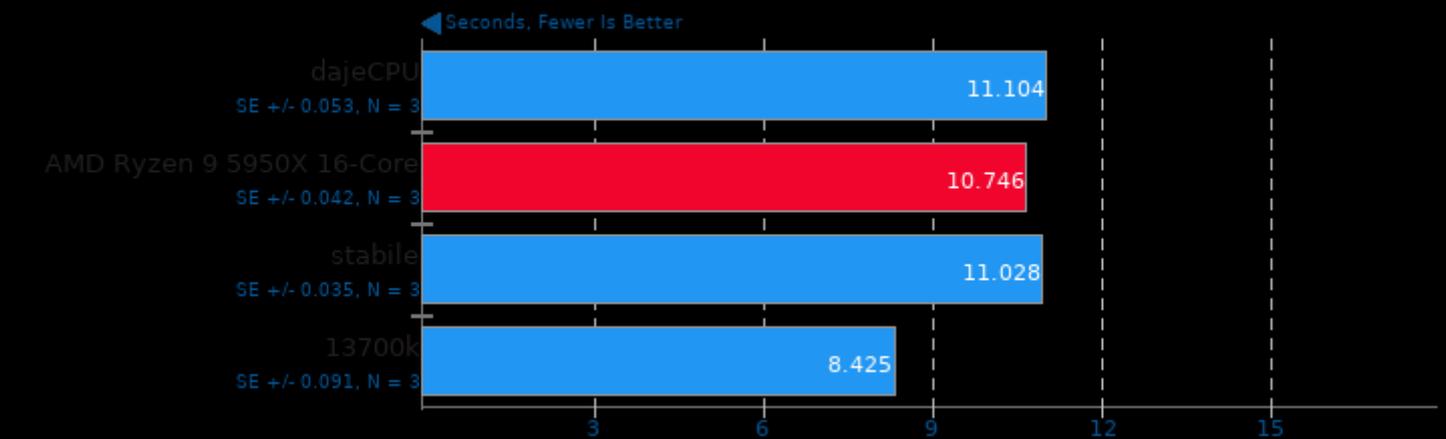
Test: OpenMP LavaMD



1. (CXX) g++ options: -O2 -lOpenCL

### Rodinia 3.1

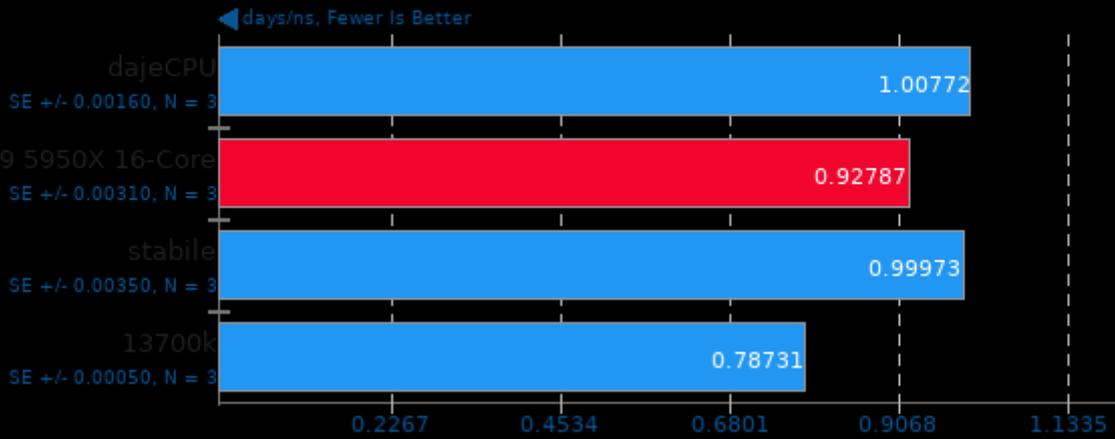
Test: OpenMP CFD Solver



1. (CXX) g++ options: -O2 -lOpenCL

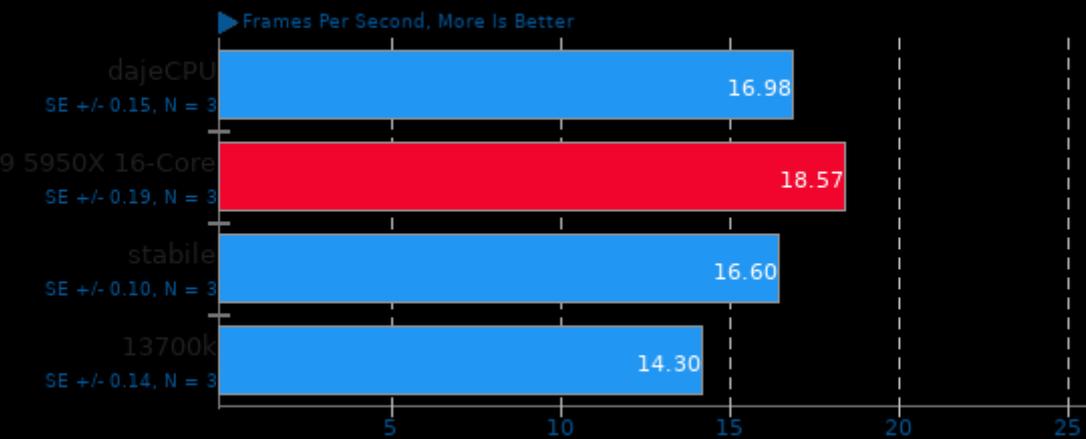
## NAMD 2.14

ATPase Simulation - 327,506 Atoms



## Kvazaar 2.2

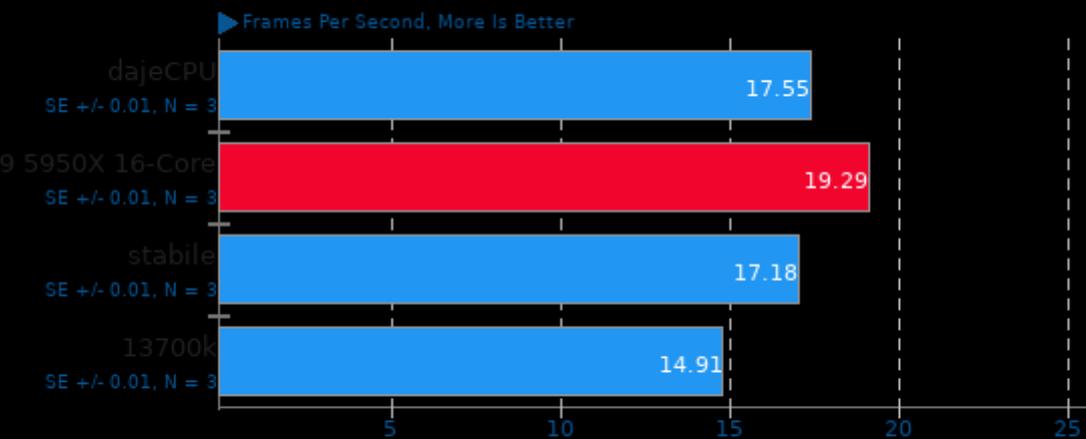
Video Input: Bosphorus 4K - Video Preset: Slow



1. (C) gcc options: -pthread -free-vectorize -fvisibility=hidden -O2 -lthread -lm -lrt

## Kvazaar 2.2

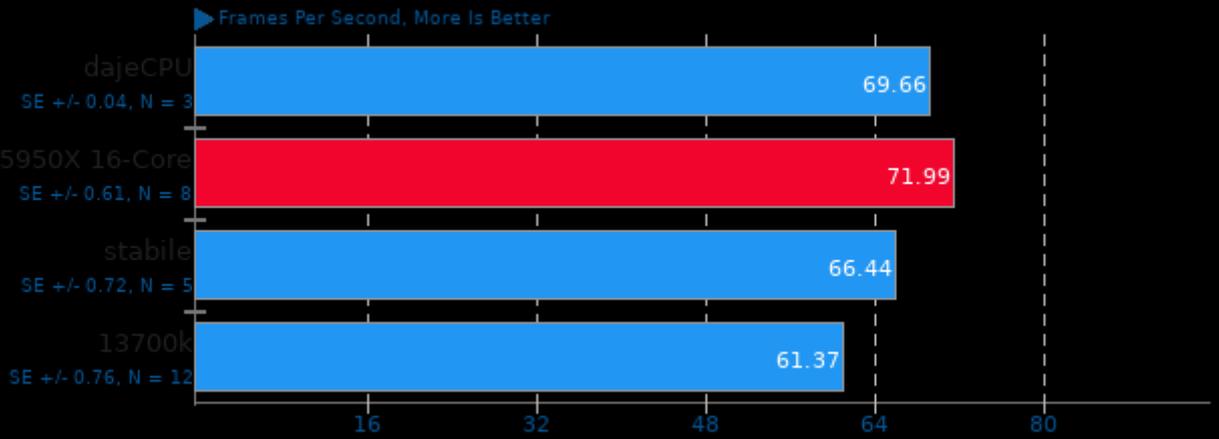
Video Input: Bosphorus 4K - Video Preset: Medium



1. (C) gcc options: -pthread -free-vectorize -fvisibility=hidden -O2 -lthread -lm -lrt

### Kvazaar 2.2

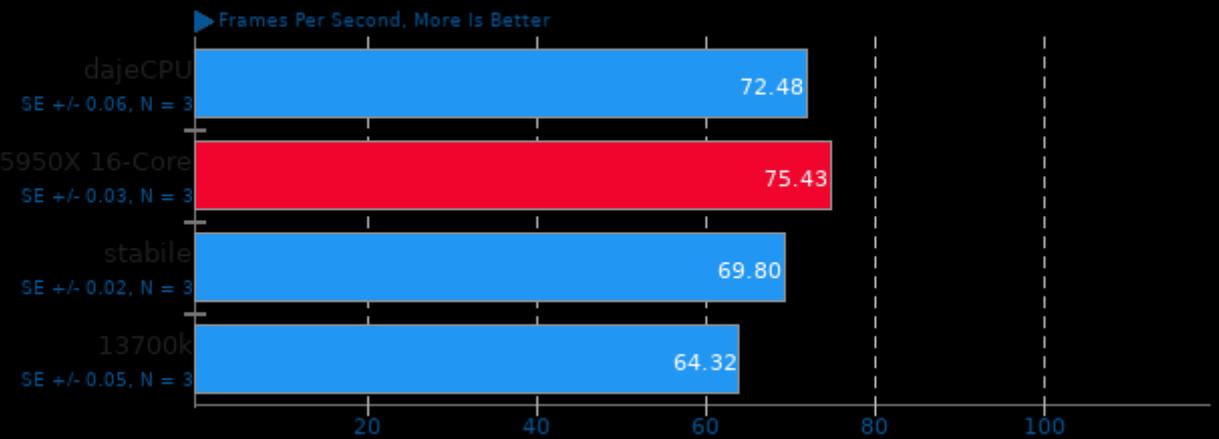
Video Input: Bosphorus 1080p - Video Preset: Slow



1. (CC) gcc options: -pthread -fthread-local-vectorize -fvisibility=hidden -O2 -lpthread -lm -lrt

### Kvazaar 2.2

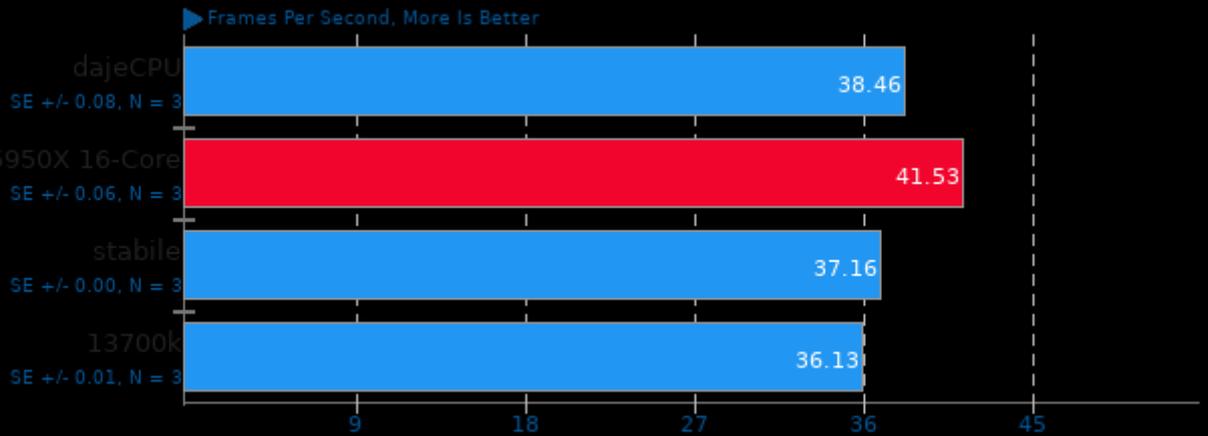
Video Input: Bosphorus 1080p - Video Preset: Medium



1. (CC) gcc options: -pthread -fthread-local-vectorize -fvisibility=hidden -O2 -lpthread -lm -lrt

## Kvazaar 2.2

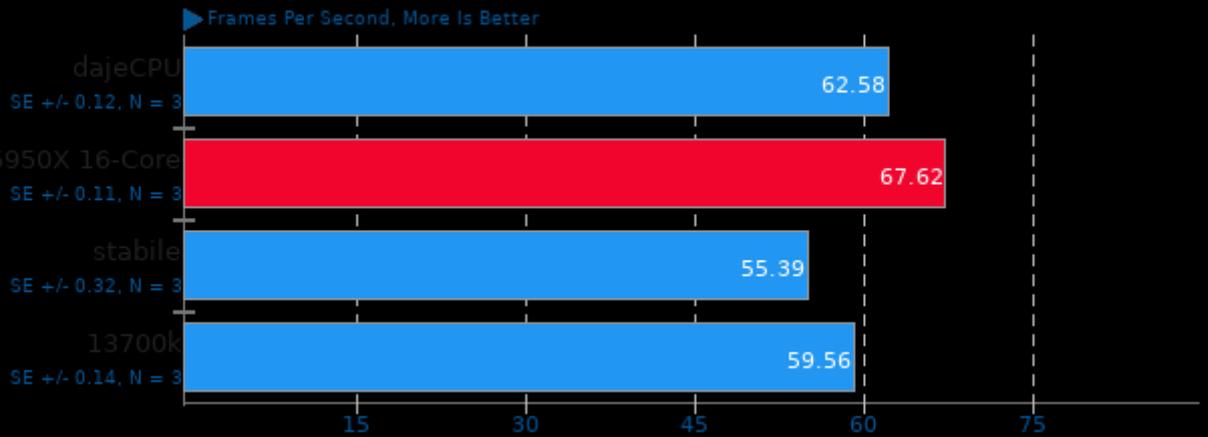
Video Input: Bosphorus 4K - Video Preset: Very Fast



1. (CC) gcc options: -pthread -fthread-local -fvisibility=hidden -O2 -lpthread -lm -lrt

## Kvazaar 2.2

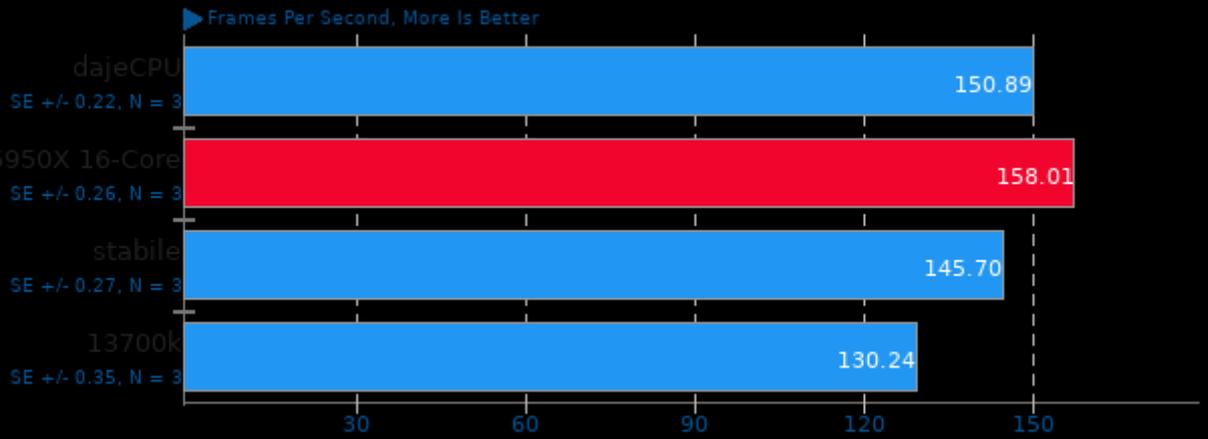
Video Input: Bosphorus 4K - Video Preset: Ultra Fast



1. (CC) gcc options: -pthread -fthread-local -fvisibility=hidden -O2 -lpthread -lm -lrt

## Kvazaar 2.2

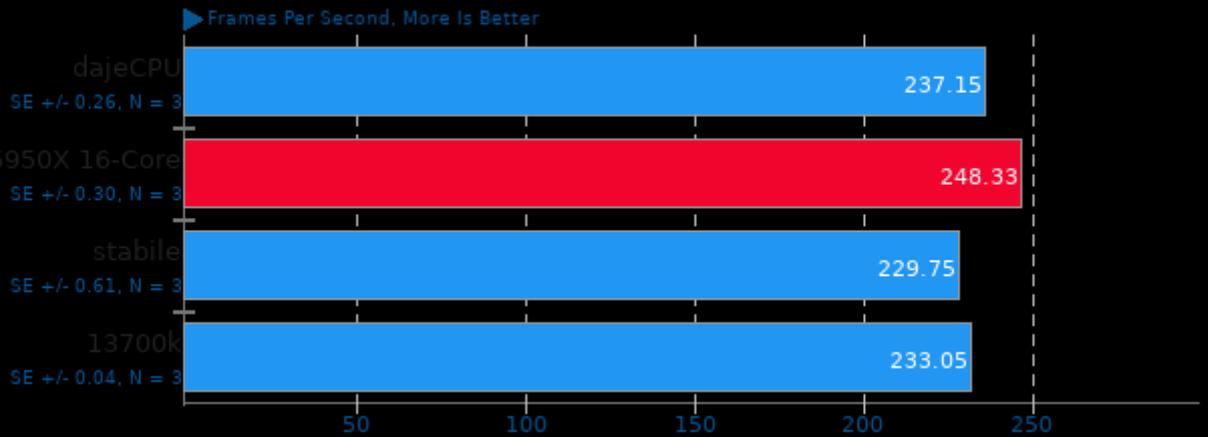
Video Input: Bosphorus 1080p - Video Preset: Very Fast



1. (CC) gcc options: -pthread -ftriple-precision-float -fvisibility=hidden -O2 -lthread -lm -lrt

## Kvazaar 2.2

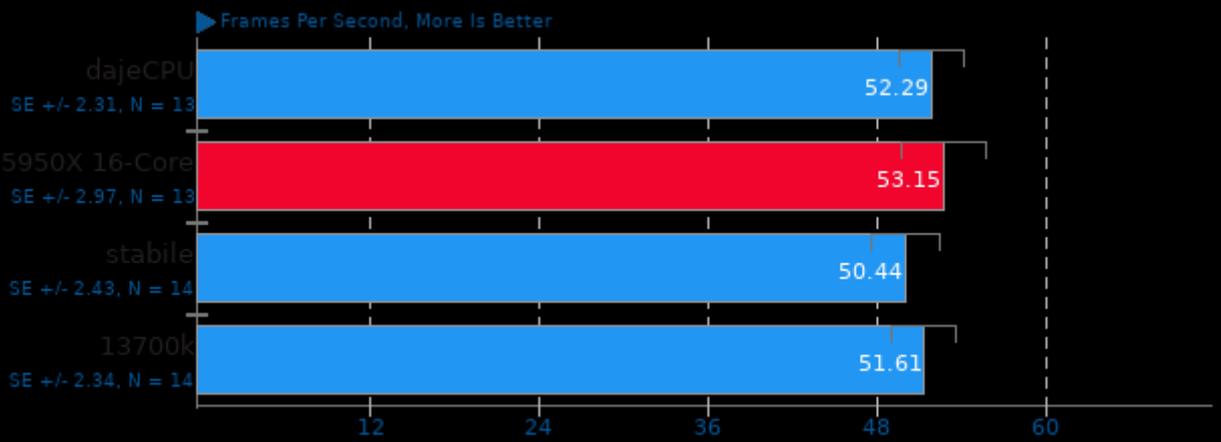
Video Input: Bosphorus 1080p - Video Preset: Ultra Fast



1. (CC) gcc options: -pthread -ftriple-precision-float -fvisibility=hidden -O2 -lthread -lm -lrt

x264 2022-02-22

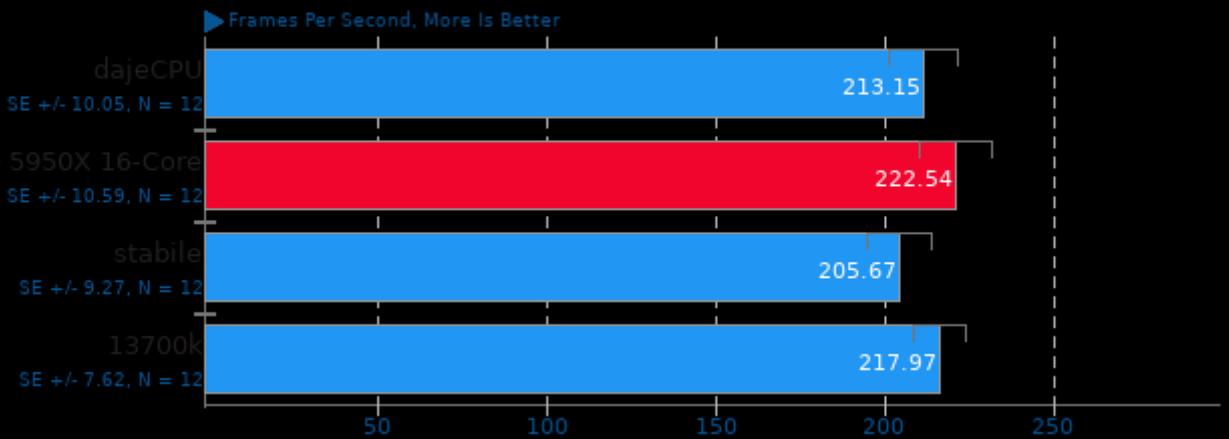
Video Input: Bosphorus 4K



1. (CC) gcc options: -ldl -m64 -lm -lpthread -O3 -fno

x264 2022-02-22

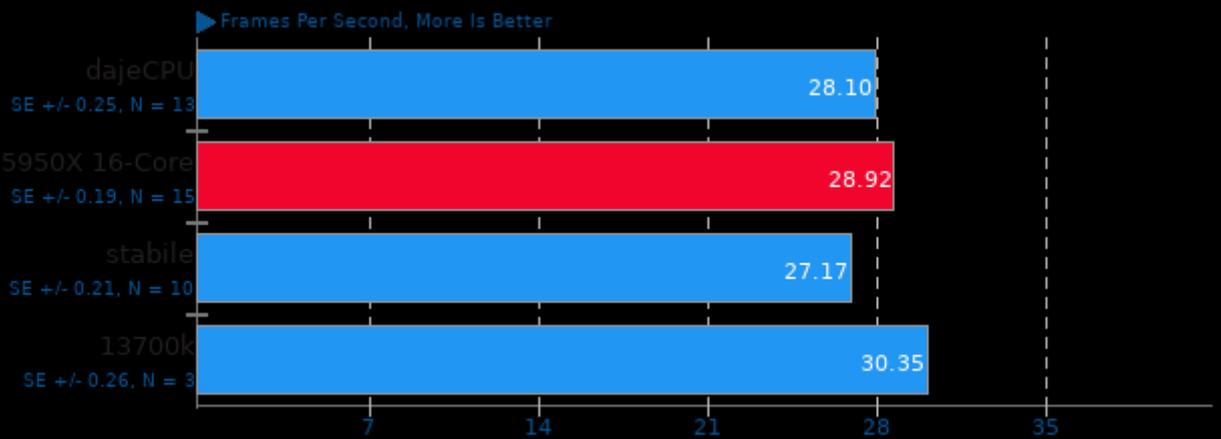
Video Input: Bosphorus 1080p



1. (CC) gcc options: -ldl -m64 -lm -lpthread -O3 -fno

### x265 3.4

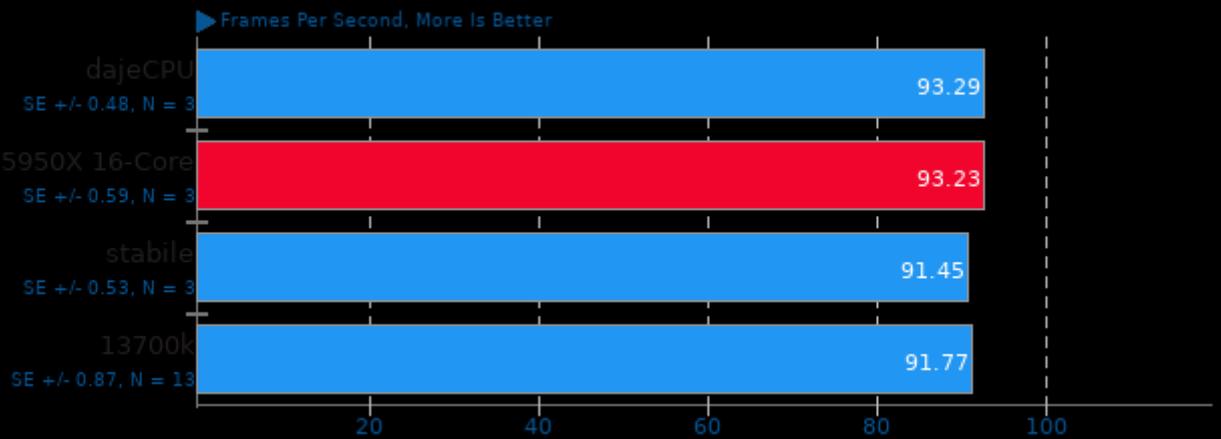
Video Input: Bosphorus 4K



1. (CXX) g++ options: -O3 -rdynamic -lpthread -lrt -ldl -lnuma

### x265 3.4

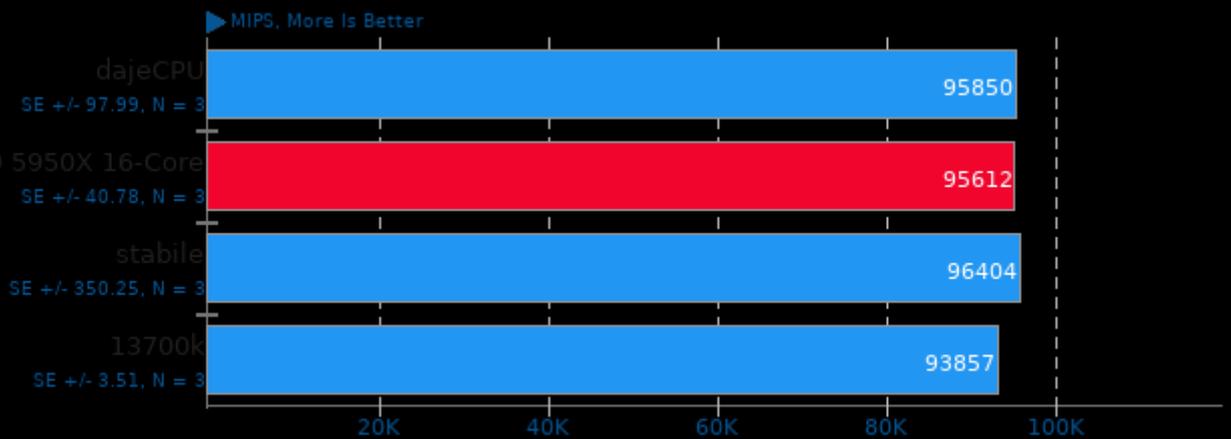
Video Input: Bosphorus 1080p



1. (CXX) g++ options: -O3 -rdynamic -lpthread -lrt -ldl -lnuma

## 7-Zip Compression 22.01

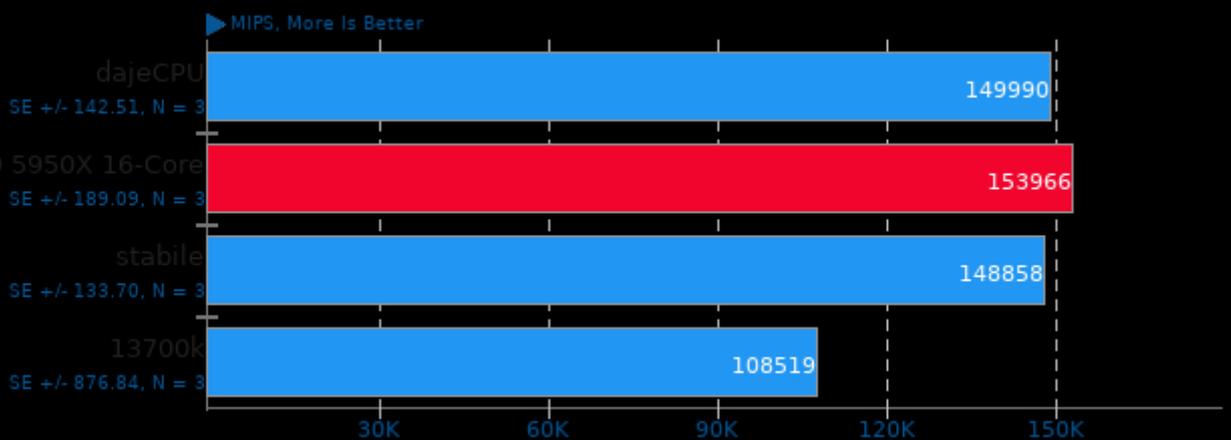
Test: Compression Rating



1. (CXX) g++ options: -lpthread -ldl -O2 -fPIC

## 7-Zip Compression 22.01

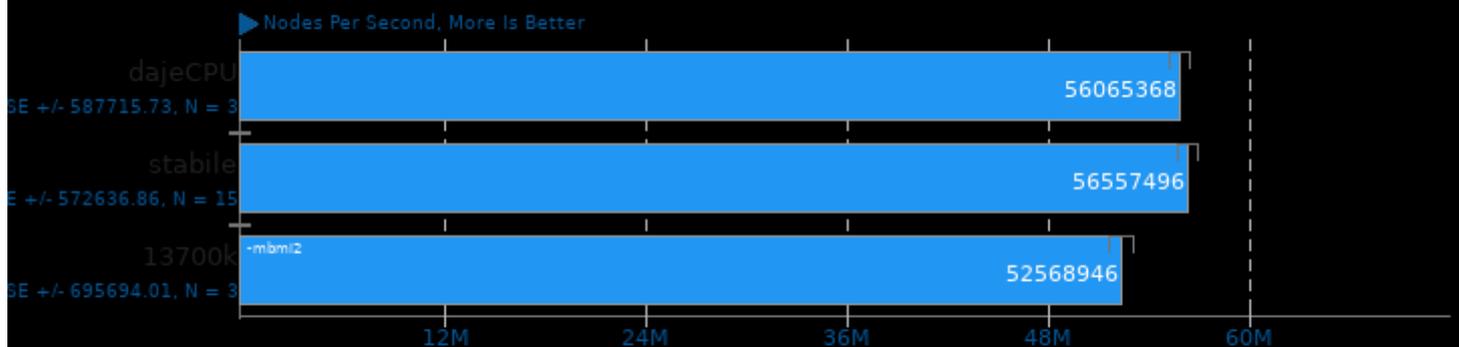
Test: Decompression Rating



1. (CXX) g++ options: -lpthread -ldl -O2 -fPIC

## Stockfish 15

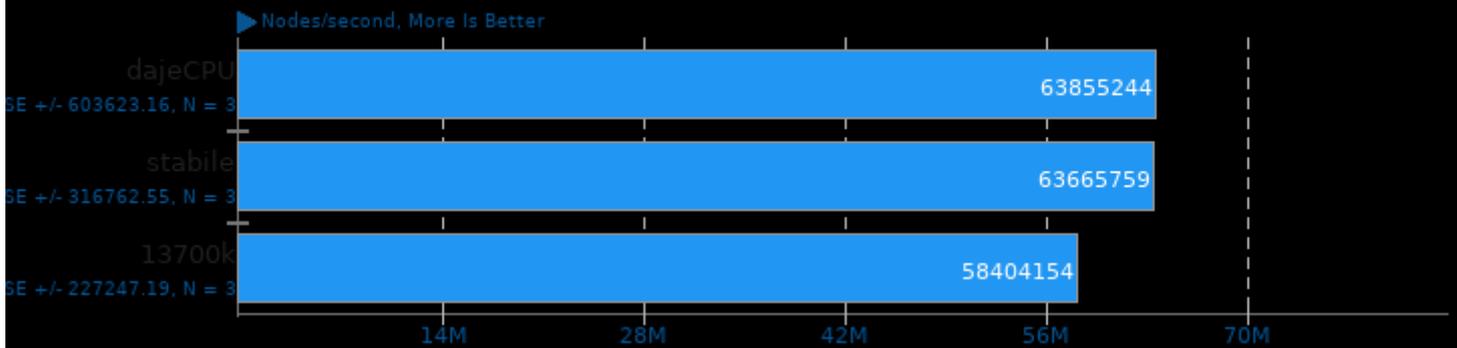
Total Time



1. (CXX) g++ options: -lgcov -m64 -lpthread -fno-exceptions -std=c++17 -fno-peel-loops -fno-tracer -pedantic -O3 -msse -msse3 -mpopcnt -mavx2 -msse4

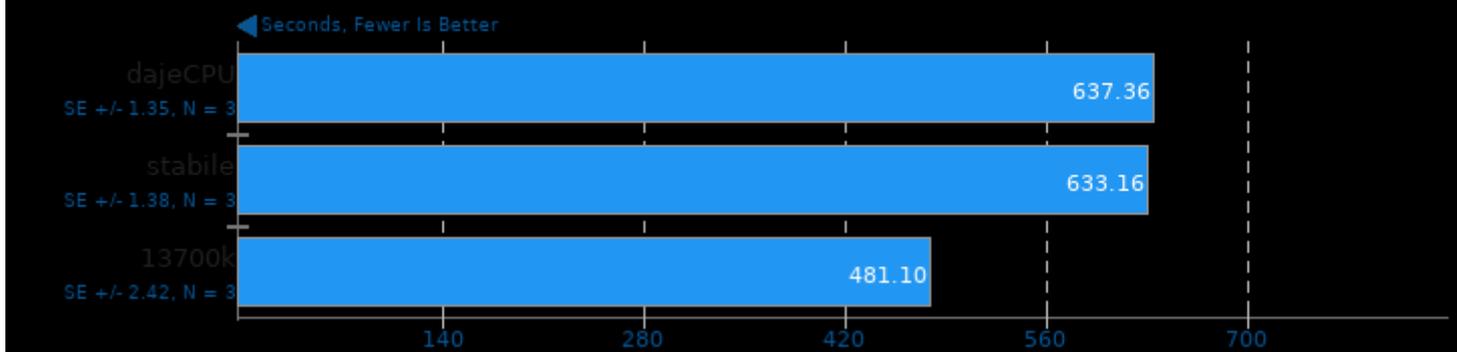
### asmFish 2018-07-23

1024 Hash Memory, 26 Depth



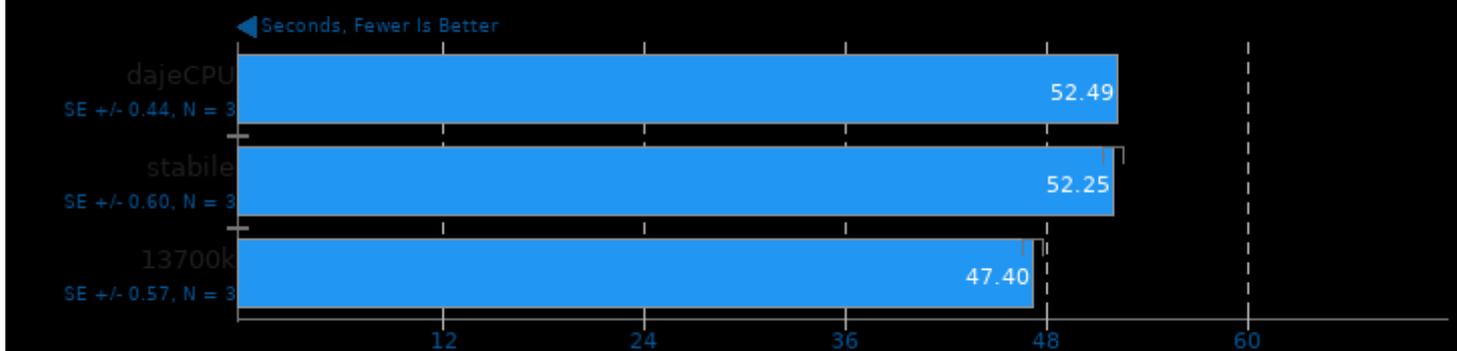
### Timed GCC Compilation 11.2.0

Time To Compile



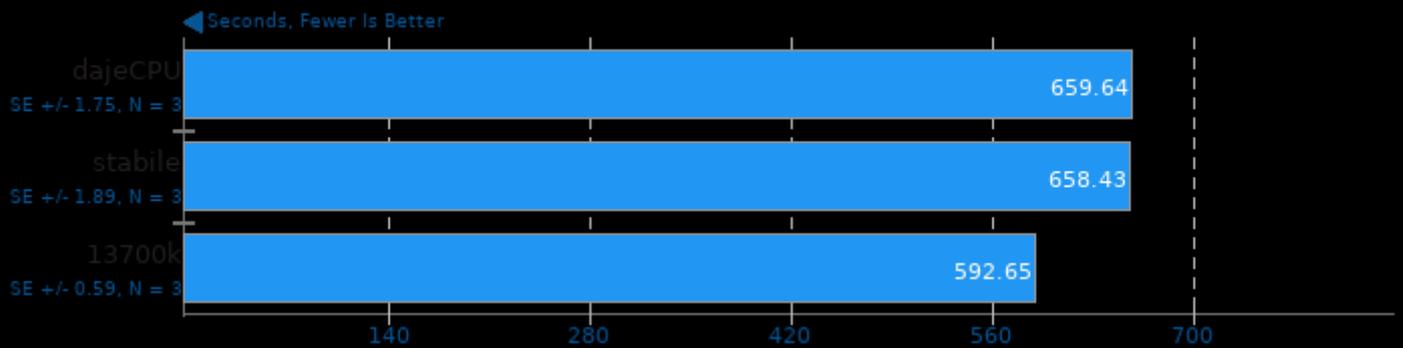
### Timed Linux Kernel Compilation 6.1

Build: defconfig



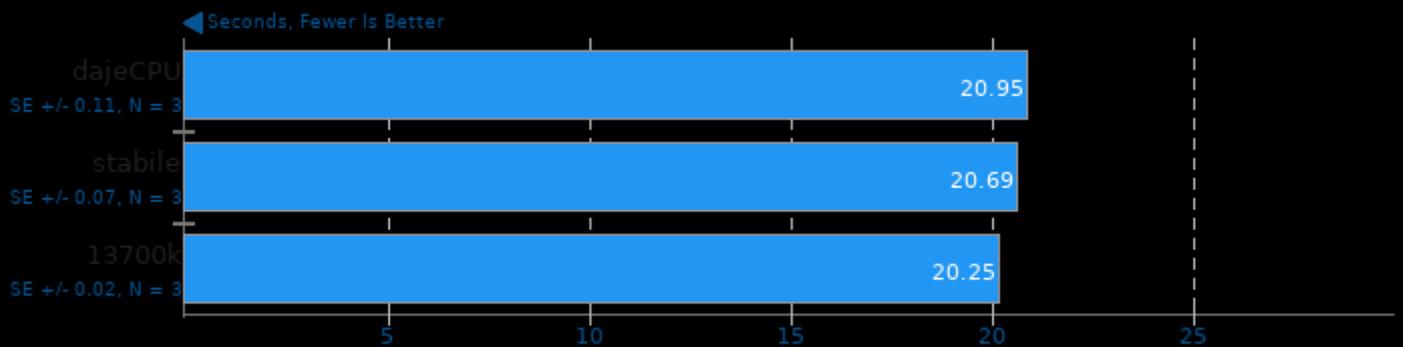
### Timed Linux Kernel Compilation 6.1

Build: allmodconfig



### POV-Ray 3.7.0.7

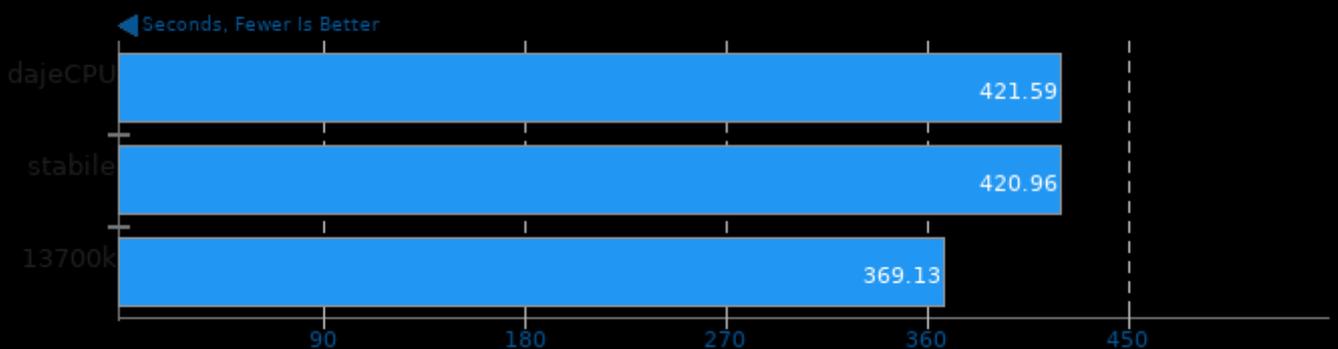
Trace Time



1. (CXX) g++ options: -pipe -O3 -ffast-math -march=native -pthread -lSM -lICE -lX11 -ltiff -ljpeg -lpng -lz -lrt -lm -lboost\_thread -lboost\_system

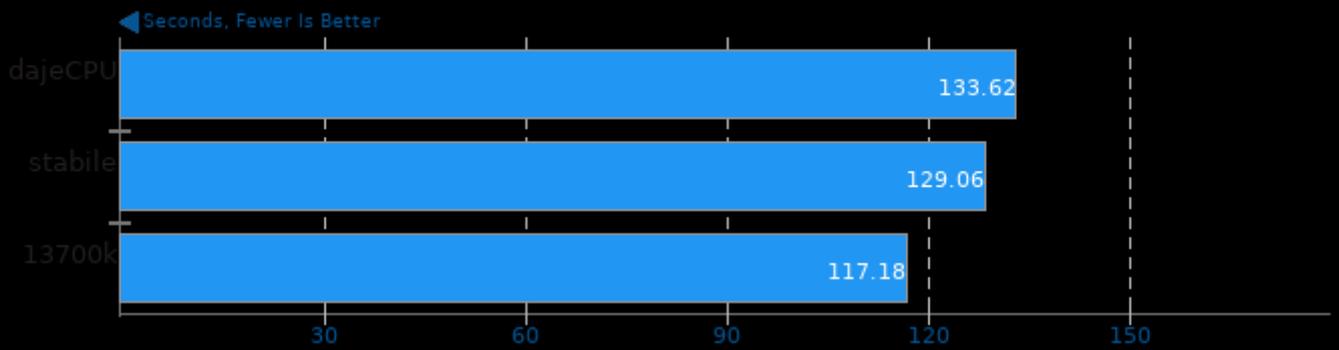
### Radiance Benchmark 5.0

Test: Serial



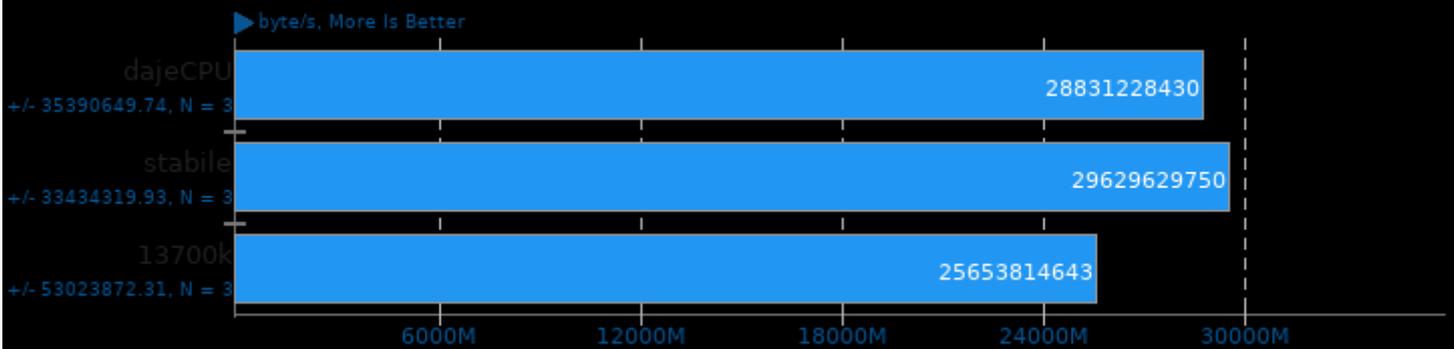
### Radiance Benchmark 5.0

Test: SMP Parallel



### OpenSSL 3.0

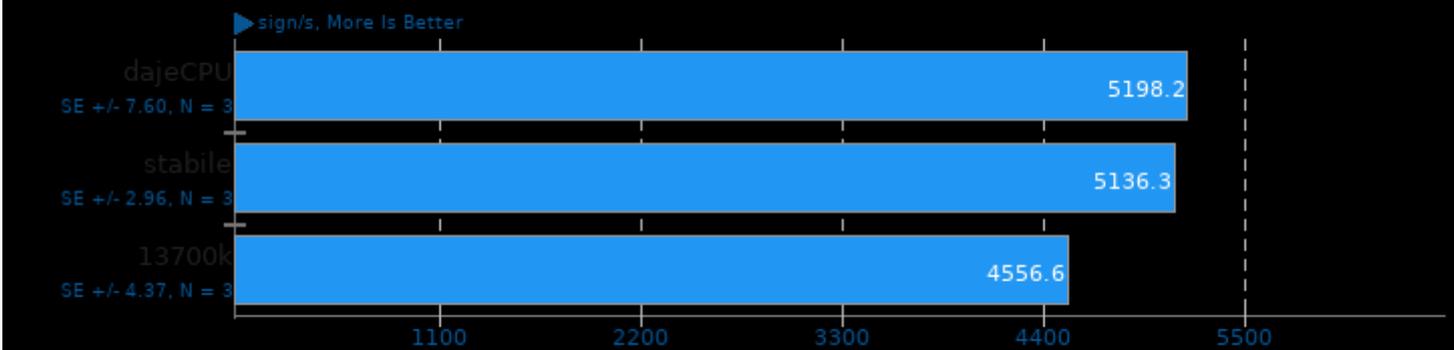
Algorithm: SHA256



1. (CC) gcc options: -pthread -m64 -O3 -lssl -lcrypto -ldl

### OpenSSL 3.0

Algorithm: RSA4096

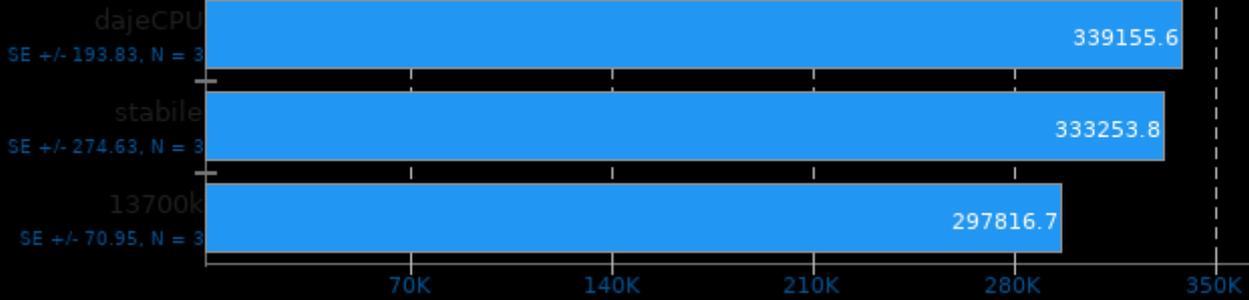


1. (CC) gcc options: -pthread -m64 -O3 -lssl -lcrypto -ldl

### OpenSSL 3.0

Algorithm: RSA4096

► verify/s, More Is Better

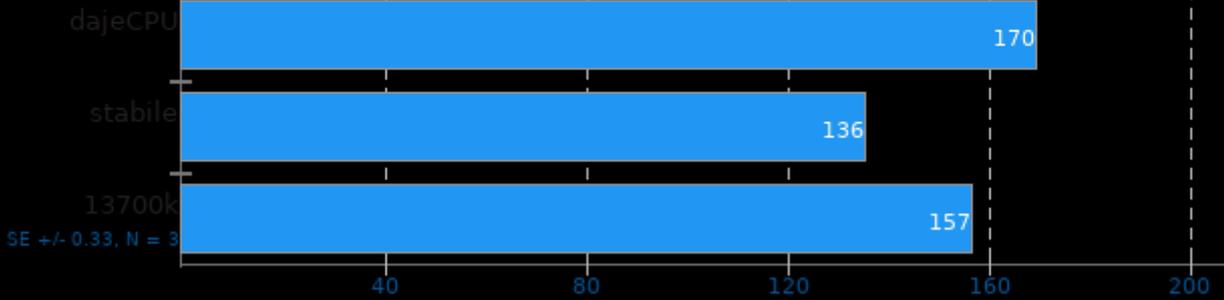


1. (CC) gcc options: -pthread -m64 -O3 -lssl -lcrypto -ldl

### ctx\_clock

Context Switch Time

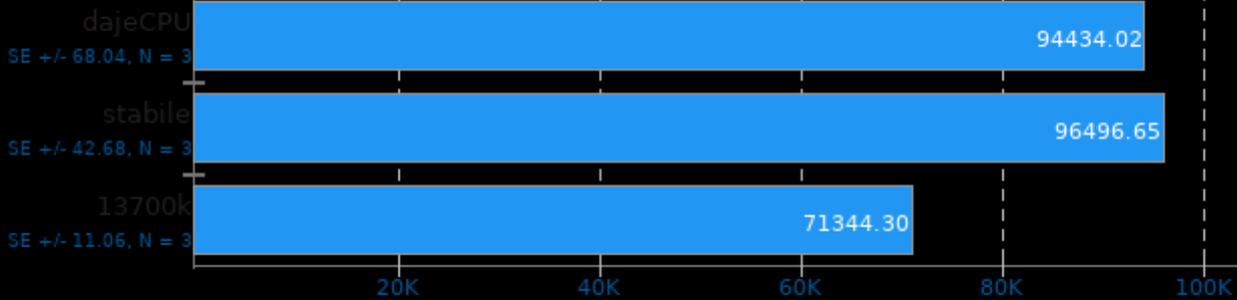
◀ Clocks, Fewer Is Better



### Sysbench 1.0.20

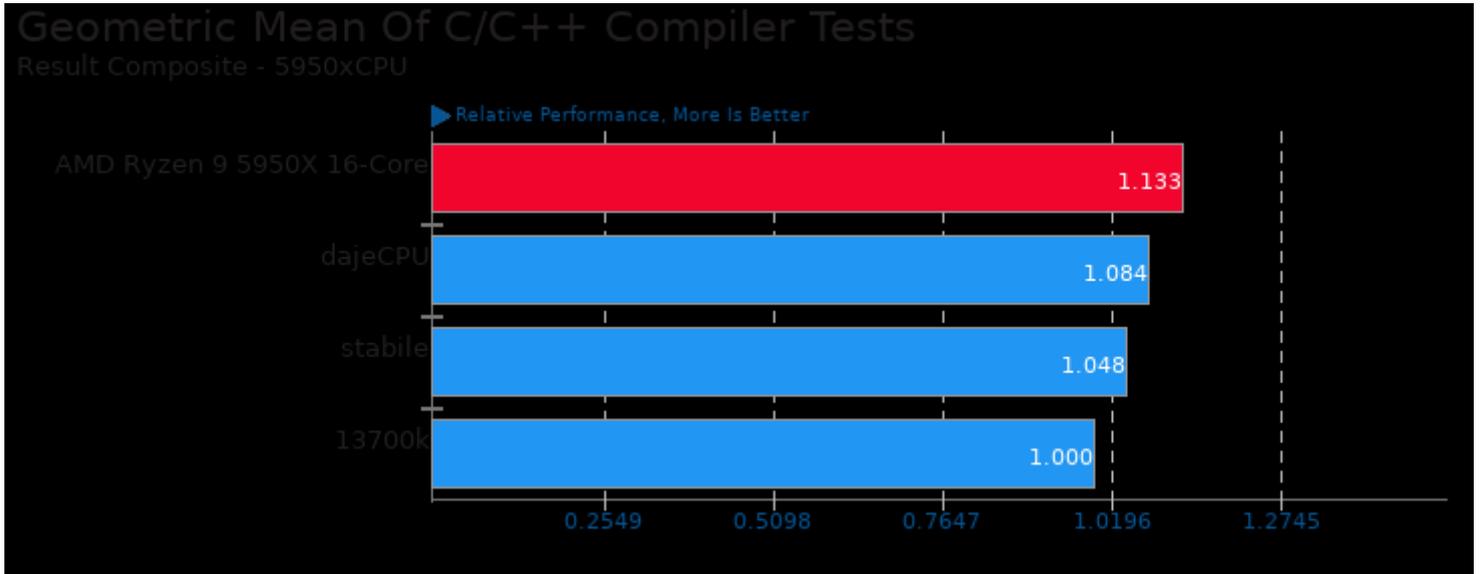
Test: CPU

► Events Per Second, More Is Better

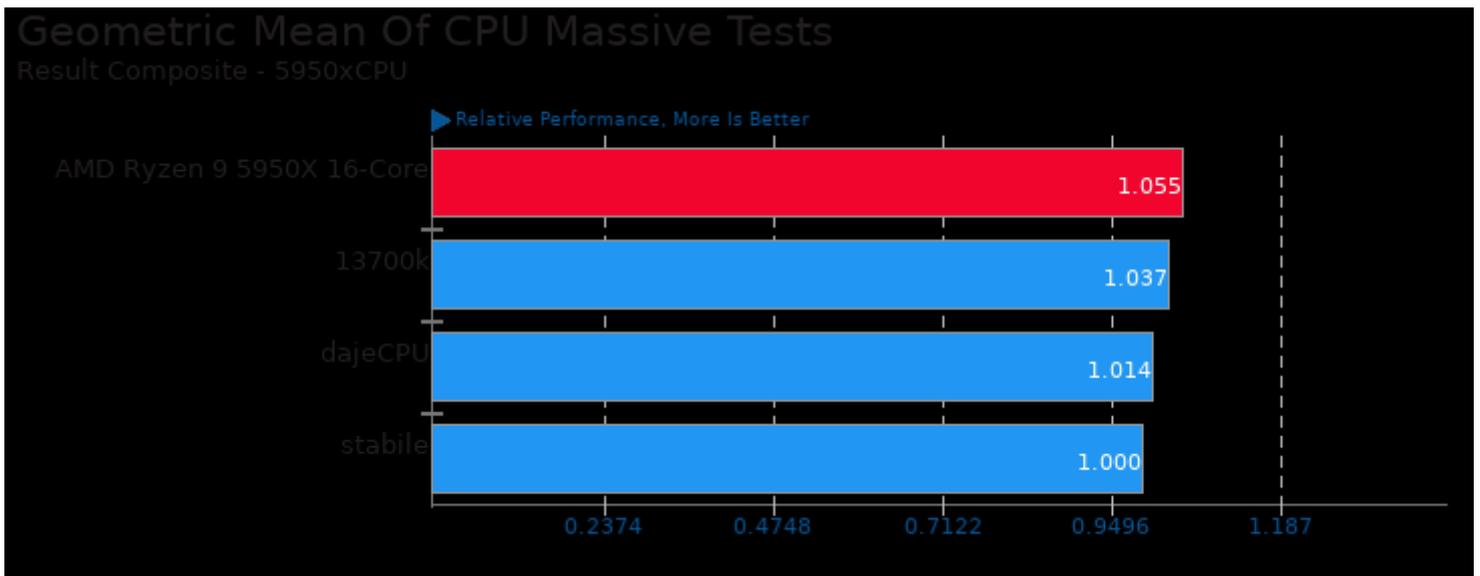


1. (CC) gcc options: -pthread -O2 -funroll-loops -rdynamic -ldl -laio -lm

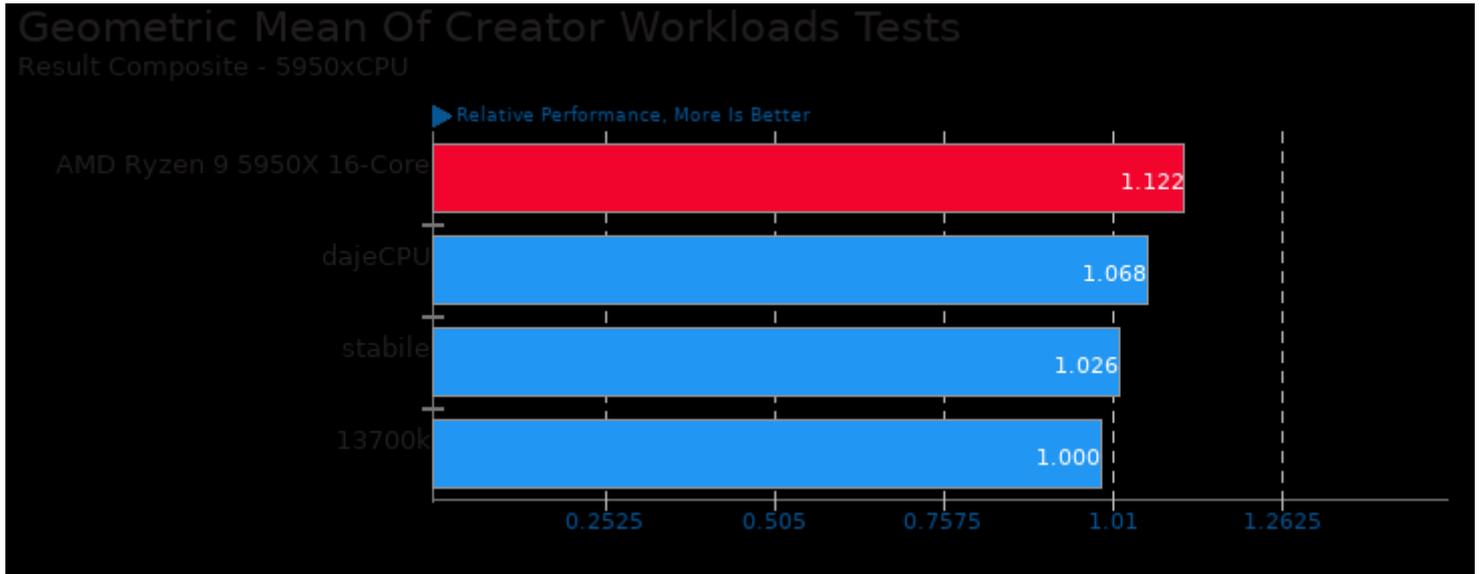
These geometric means are based upon test groupings / test suites for this result file.



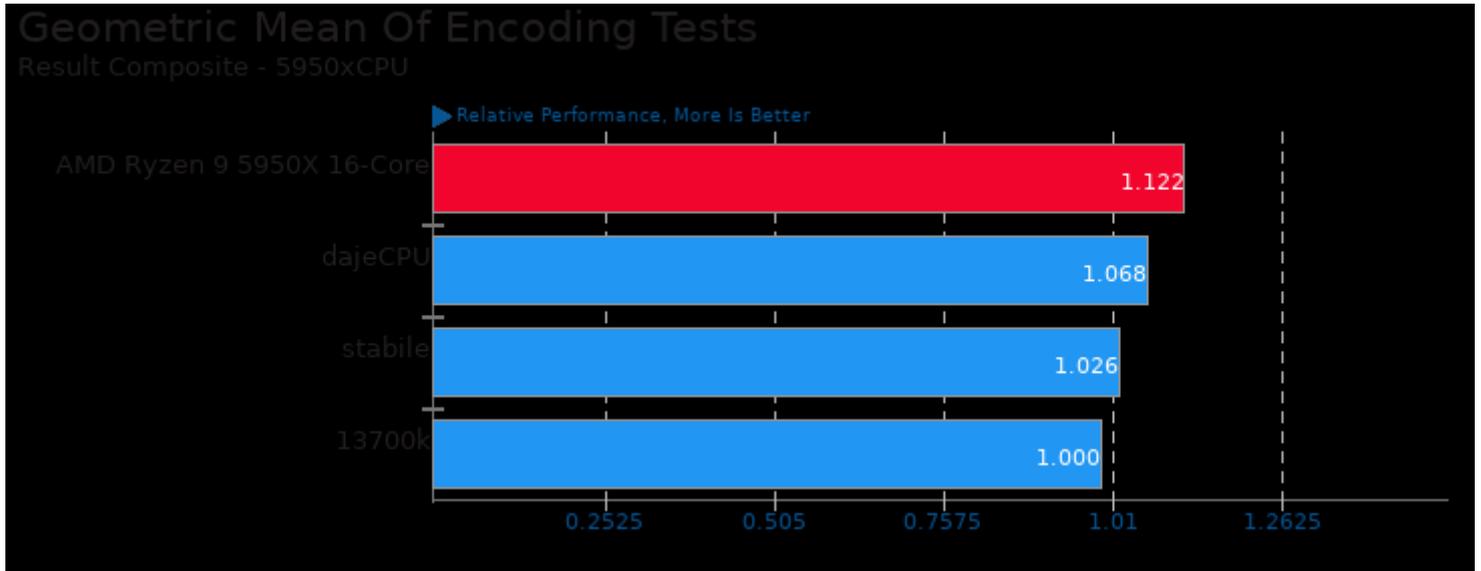
Geometric mean based upon tests: pts/stockfish, pts/compress-7zip, pts/x264, pts/x265, pts/kvazaar and pts/openssl



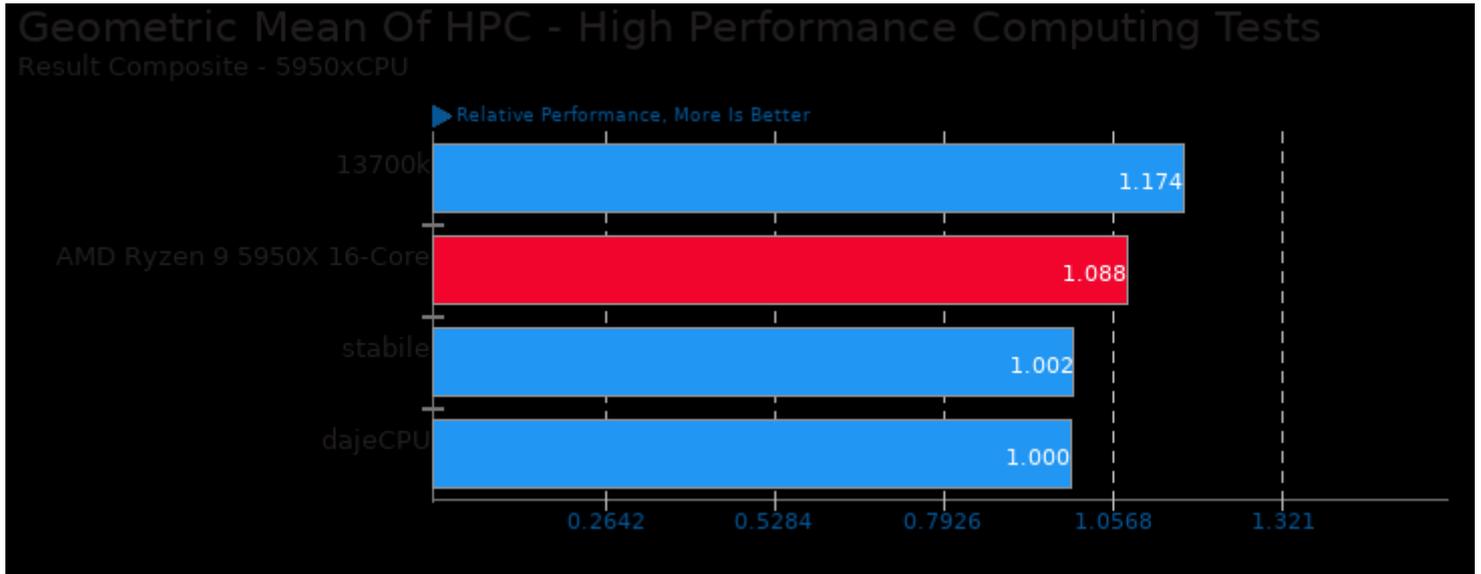
Geometric mean based upon tests: pts/asmfish, pts/build-gcc, pts/build-linux-kernel, pts/compress-7zip, pts/ctx-clock, pts/x264, pts/x265, pts/openssl, pts/namd, pts/povray, pts/radiance, pts/rodinia, pts/stockfish, pts/sysbench and pts/blender



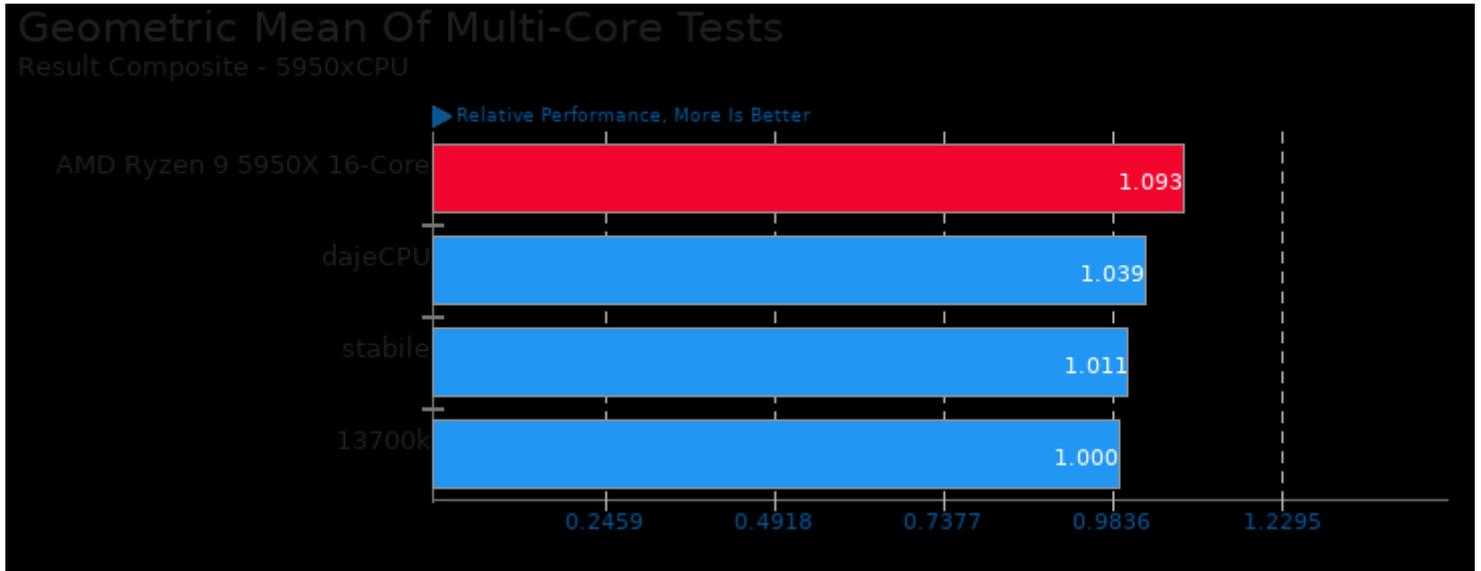
Geometric mean based upon tests: pts/povray, pts/blender, pts/radiance, pts/x264, pts/x265 and pts/kvazaar



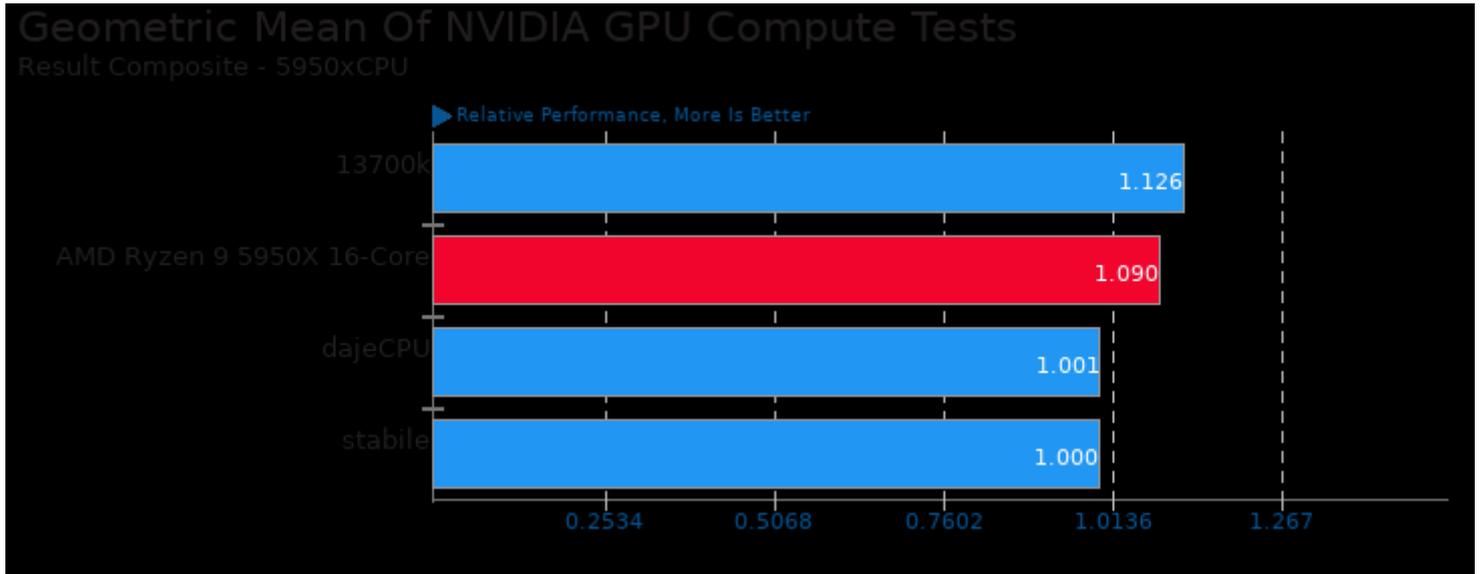
Geometric mean based upon tests: pts/x264, pts/x265 and pts/kvazaar



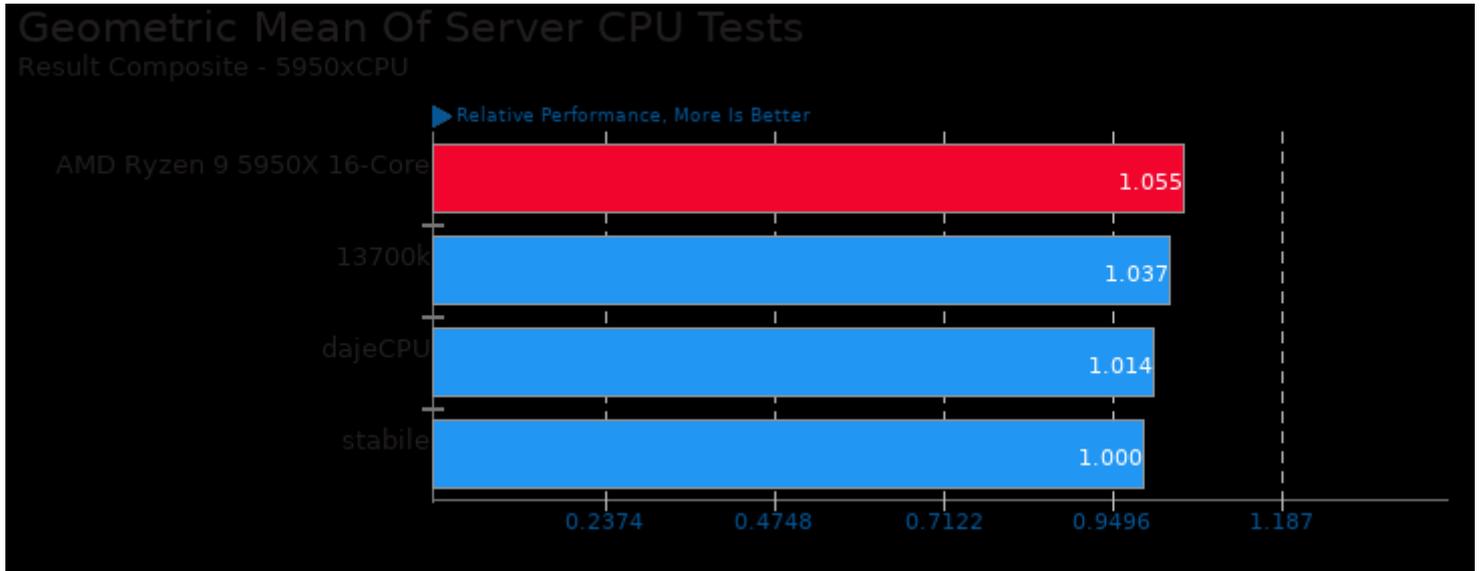
Geometric mean based upon tests: pts/rodinia and pts/namd



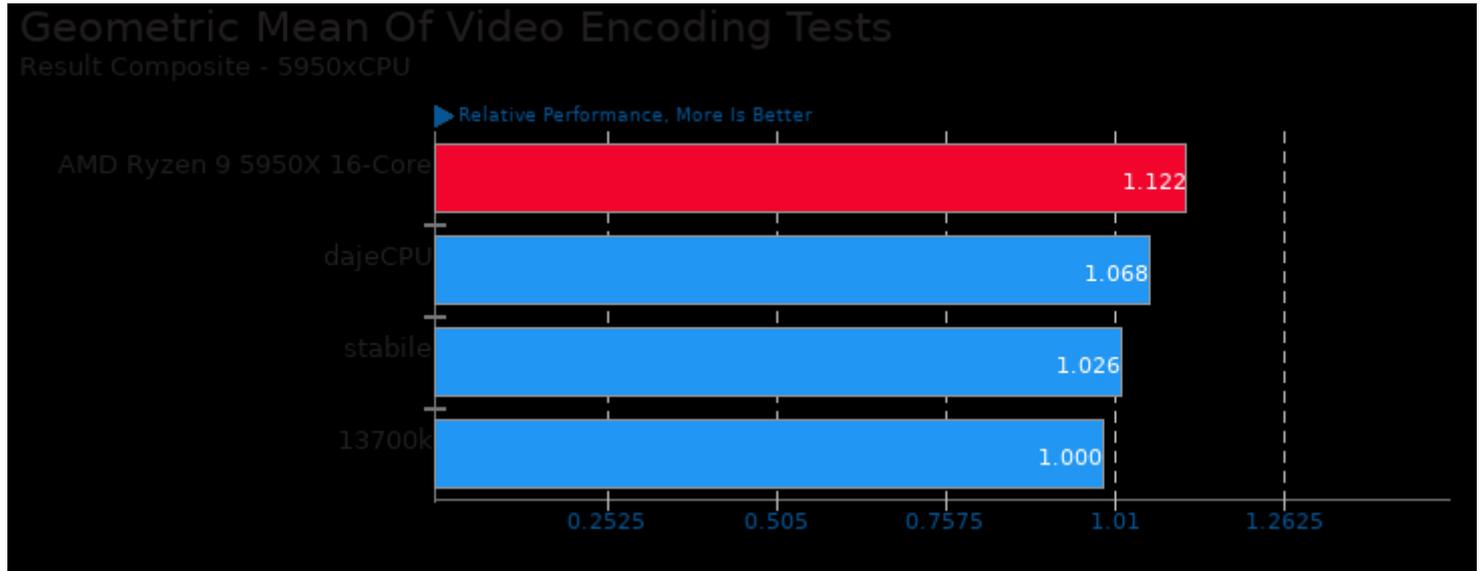
Geometric mean based upon tests: pts/blender, pts/sysbench, pts/povray, pts/stockfish, pts/x264, pts/x265, pts/kvazaar, pts/rodinia, pts/namd, pts/asmfish, pts/compress-7zip, pts/build-linux-kernel, pts/build-gcc and pts/radiance



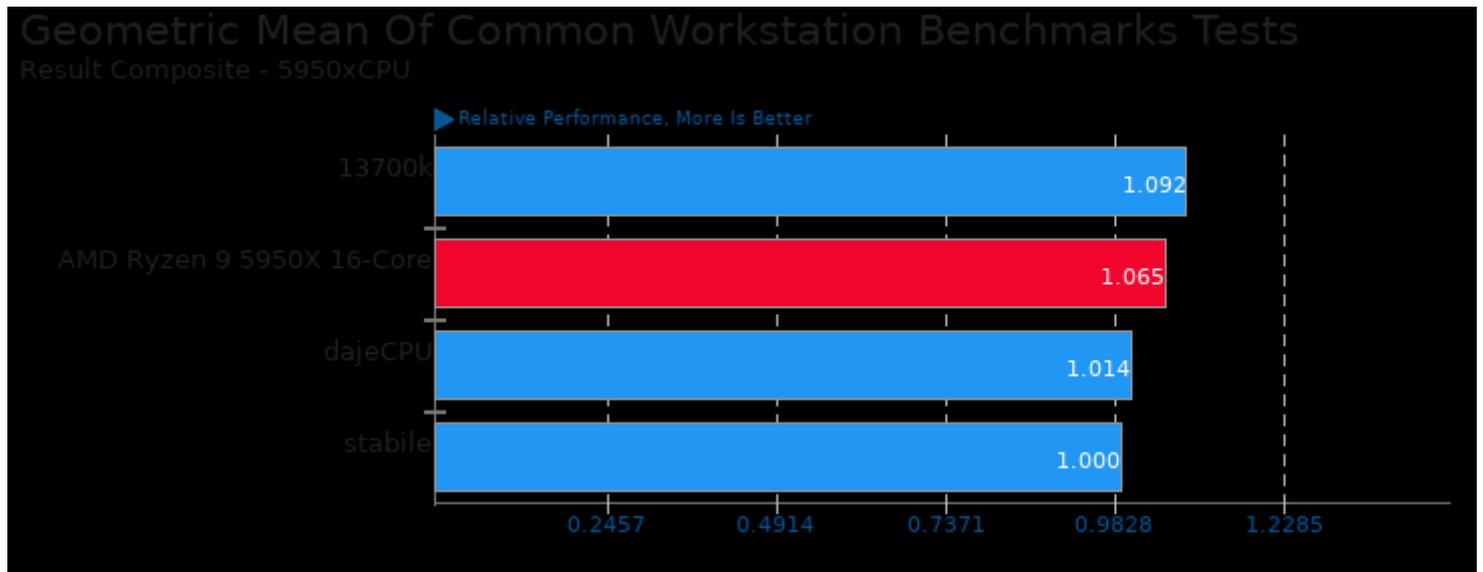
Geometric mean based upon tests: pts/rodinia and pts/blender



Geometric mean based upon tests: pts/rodinia, pts/namd, pts/x264, pts/x265, pts/compress-7zip, pts/stockfish, pts/asmfish, pts/build-gcc, pts/build-linux-kernel, pts/povray, pts/radiance, pts/openssl, pts/ctx-clock, pts/sysbench and pts/blender



Geometric mean based upon tests: pts/x264, pts/x265 and pts/kvazaar



Geometric mean based upon tests: pts/blender, pts/rodinia, pts/x265 and pts/sysbench

This file was automatically generated via the Phoronix Test Suite benchmarking software on Monday, 20 March 2023 17:49.