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## 3900X Sunday

AMD Ryzen 9 3900X 12-Core testing with a ASUS TUF GAMING X570-PLUS (WI-FI) (2203 BIOS) and MSI AMD Radeon RX 470/480/570/570X/580/580X/590 8GB on Ubuntu 20.04 via the Phoronix Test Suite.

### Automated Executive Summary

*1 had the most wins, coming in first place for 48% of the tests.*

*Based on the geometric mean of all complete results, the fastest (1) was 1.001x the speed of the slowest (2). 3 was 0.999x the speed of 1 and 2 was 1x the speed of 3.*

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

*Botan (Test: KASUMI - Decrypt) at 1.046x*

*Botan (Test: KASUMI) at 1.045x*

*libjpeg-turbo tjbench (Test: Decompression Throughput) at 1.045x*

*Google Draco (Model: Church Facade) at 1.039x*

*Botan (Test: Blowfish - Decrypt) at 1.036x*

*Botan (Test: AES-256 - Decrypt) at 1.036x*

*Botan (Test: Blowfish) at 1.036x*

*Botan (Test: AES-256) at 1.034x*

*SecureMark (Benchmark: SecureMark-TLS) at 1.033x*

ViennaCL (Test: CPU BLAS - dGEMM-NT) at 1.032x.

## Test Systems:

1

2

3

Processor: AMD Ryzen 9 3900X 12-Core @ 3.80GHz (12 Cores / 24 Threads), Motherboard: ASUS TUF GAMING X570-PLUS (WI-FI) (2203 BIOS), Chipset: AMD Starship/Matisse, Memory: 16GB, Disk: Samsung SSD 970 EVO Plus 250GB, Graphics: MSI AMD Radeon RX 470/480/570/570X/580/580X/590 8GB (1366/2000MHz), Audio: AMD Ellesmere HDMI Audio, Monitor: G237HL, Network: Realtek RTL8111/8168/8411 + Intel-AC 9260

OS: Ubuntu 20.04, Kernel: 5.11.0-rc1-phx (x86\_64) 20201228, Desktop: GNOME Shell 3.36.4, Display Server: X Server 1.20.9, OpenGL: 4.6 Mesa 21.0.0-devel (git-28a202f 2020-12-31 focal-oibaf-ppa) (LLVM 11.0.0), Vulkan: 1.2.145, Compiler: GCC 9.3.0, File-System: ext4, Screen Resolution: 1920x1080

Kernel Notes: Transparent Huge Pages: madvise  
 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-9.3.0/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: acpi-cpufreq ondemand (Boost: Enabled) - CPU Microcode: 0x8701021  
 Python Notes: Python 3.8.5  
 Security Notes: itlb\_multihit: Not affected + 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 Full AMD retpoline IPBP: conditional STIBP: conditional RSB filling + srbs: Not affected + tsx\_async\_abort: Not affected

	1	2	3
<b>Botan - KASUMI (MiB/s)</b>	<b>98.704</b>	99.421	<b>103.173</b>
Normalized	95.67%	96.36%	100%
Standard Deviation	1.9%	2.1%	0.6%
<b>Botan - KASUMI - Decrypt (MiB/s)</b>	<b>95.727</b>	96.468	<b>100.126</b>
Normalized	95.61%	96.35%	100%
Standard Deviation	1.8%	2.5%	0.4%
<b>Botan - AES-256 (MiB/s)</b>	<b>5928</b>	5829	<b>5735</b>
Normalized	100%	98.33%	96.75%
Standard Deviation	2%	1.9%	0.4%
<b>Botan - AES-256 - Decrypt (MiB/s)</b>	<b>5947</b>	5816	<b>5742</b>
Normalized	100%	97.8%	96.55%
Standard Deviation	2.1%	2.1%	0.5%
<b>Botan - Twofish (MiB/s)</b>	<b>383.906</b>	<b>388.580</b>	384.554
Normalized	98.8%	100%	98.96%
Standard Deviation	2.1%	1.7%	1.4%

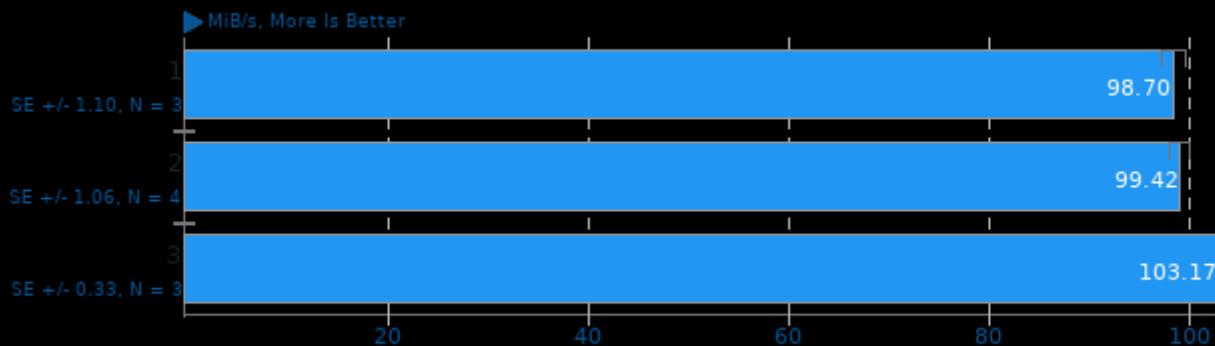
<b>Botan - Twofish - Decrypt (MiB/s)</b>	<b>383.452</b>	<b>387.383</b>	384.174
Normalized	98.99%	100%	99.17%
Standard Deviation	2.1%	1.4%	1.4%
<b>Botan - Blowfish (MiB/s)</b>	<b>484.541</b>	478.309	<b>467.904</b>
Normalized	100%	98.71%	96.57%
Standard Deviation	2.4%	2.1%	1.2%
<b>Botan - Blowfish - Decrypt (MiB/s)</b>	<b>482.627</b>	480.906	<b>465.932</b>
Normalized	100%	99.64%	96.54%
Standard Deviation	2.5%	2.8%	1.2%
<b>Botan - CAST-256 (MiB/s)</b>	<b>159.271</b>	155.467	<b>154.696</b>
Normalized	100%	97.61%	97.13%
Standard Deviation	2.5%	2.5%	1.5%
<b>Botan - CAST-256 - Decrypt (MiB/s)</b>	<b>159.365</b>	155.444	<b>154.555</b>
Normalized	100%	97.54%	96.98%
Standard Deviation	2.5%	2.6%	1.5%
<b>Botan - ChaCha20Poly1305 (MiB/s)</b>	<b>807.482</b>	<b>814.136</b>	809.431
Normalized	99.18%	100%	99.42%
Standard Deviation	2.1%	1.3%	1.4%
<b>Botan - ChaCha20Poly1305 - Decrypt (MiB/s)</b>	<b>800.848</b>	<b>808.348</b>	801.566
Normalized	99.07%	100%	99.16%
Standard Deviation	1.9%	1.5%	1.7%
<b>GNU GMP GMPbench - Total Time (GMPbench Score)</b>	<b>5931</b>	5963	<b>5964</b>
Normalized	99.44%	99.98%	100%
<b>Google Draco - Lion (ms)</b>	4699	<b>4677</b>	<b>4774</b>
Normalized	99.53%	100%	97.97%
Standard Deviation	1.2%	1%	1.7%
<b>Google Draco - Church Facade (ms)</b>	<b>7221</b>	<b>6953</b>	7006
Normalized	96.29%	100%	99.24%
Standard Deviation	1%	0.5%	0.4%
<b>Helsing - 12 digit (sec)</b>	4.123	<b>4.117</b>	<b>4.124</b>
Normalized	99.85%	100%	99.83%
<b>Helsing - 14 digit (sec)</b>	<b>414.729</b>	414.375	<b>414.26</b>
Normalized	99.89%	99.97%	100%
<b>KTX-Software toktx - UASTC 3 (sec)</b>	<b>9.147</b>	9.145	<b>9.074</b>
Normalized	99.2%	99.22%	100%
Standard Deviation	0.5%	0.2%	0.3%
<b>KTX-Software toktx - Zstd Compression</b>	9.2359	<b>2.402</b>	<b>2.333</b>
Normalized	98.9%	97.13%	100%
Standard Deviation	1.8%	0.8%	0.9%
<b>KTX-Software toktx - Z.C.1 (sec)</b>	19.145	<b>19.176</b>	<b>18.673</b>
Normalized	97.53%	97.38%	100%
Standard Deviation	0.9%	0.1%	1.2%
<b>KTX-Software toktx - U.3.Z.C.1 (sec)</b>	<b>14.890</b>	14.918	<b>14.957</b>
Normalized	100%	99.81%	99.55%
Standard Deviation	1.2%	0.1%	0.3%
<b>KTX-Software toktx - U.4.Z.C.1 (sec)</b>	<b>234.459</b>	<b>234.609</b>	234.460
Normalized	100%	99.94%	100%
Standard Deviation	0.2%	0.1%	0.2%
<b>libjpeg-turbo tjbench - D.T (Megapixels/sec)</b>	<b>217.534547</b>	221.230052	<b>227.359916</b>
Normalized	95.68%	97.3%	100%
Standard Deviation	0.6%	2.2%	0.7%
<b>LuxCoreRender - DLSC - CPU (M</b>	<b>2.46</b>	2.47	<b>2.48</b>
Normalized	99.19%	99.6%	100%
Standard Deviation	2.3%	0.8%	0.2%

LuxCoreRender - Danish Mood - CPU (M samples/sec)	<b>1.83</b>	<b>1.81</b>	1.82
Normalized	100%	98.91%	99.45%
Standard Deviation	2.4%	2.2%	2.4%
LuxCoreRender - Orange Juice - CPU (M samples/sec)	<b>3.90</b>	<b>3.89</b>	<b>3.92</b>
Normalized	99.49%	99.23%	100%
Standard Deviation	0.6%	0.4%	0.8%
LuxCoreRender - LuxCore Benchmark - CPU (M samples/sec)	<b>2.01</b>	<b>2.01</b>	<b>2.01</b>
Normalized	0.6%	0%	0.8%
LuxCoreRender - R.C.a.P - CPU (M samples/sec)	<b>9.50</b>	<b>9.52</b>	<b>9.38</b>
Normalized	99.79%	100%	98.53%
Standard Deviation	1.7%	2.3%	1.4%
SecureMark - SecureMark-TLS (marks)	<b>233203</b>	<b>239352</b>	<b>240915</b>
Normalized	96.8%	99.35%	100%
Standard Deviation	2.5%	0.6%	0.9%
Systemd Total Boot Time - Total (ms)	<b>30499</b>	<b>30499</b>	<b>30499</b>
Systemd Total Boot Time - Kernel (ms)	<b>3282</b>	<b>3282</b>	<b>3282</b>
Systemd Total Boot Time - Loader (ms)	<b>3927</b>	<b>3927</b>	<b>3927</b>
Systemd Total Boot Time - Firmware (ms)	<b>16233</b>	<b>16233</b>	<b>16233</b>
Systemd Total Boot Time - Userspace (ms)	<b>27217</b>	<b>27217</b>	<b>27217</b>
Timed LLVM Compilation - Ninja (sec)	<b>492.476</b>	<b>491.300</b>	491.758
Normalized	99.76%	100%	99.91%
Standard Deviation	0%	0.1%	0.2%
Timed LLVM Compilation - Unix Makefiles	<b>514.855</b>	<b>512.750</b>	<b>519.937</b>
Normalized	99.59%	100%	98.62%
Standard Deviation	0.9%	0.4%	1.6%
ViennaCL - CPU BLAS - sCOPY (GB/s)	<b>29.3</b>	<b>29.2</b>	<b>29.1</b>
Normalized	100%	99.66%	99.32%
Standard Deviation	0.9%	1%	0.7%
ViennaCL - CPU BLAS - sAXPY (GB/s)	<b>43.8</b>	<b>43.7</b>	<b>43.5</b>
Normalized	100%	99.77%	99.32%
Standard Deviation	0.8%	1.2%	0.7%
ViennaCL - CPU BLAS - sDOT (GB/s)	<b>68.9</b>	<b>69.1</b>	<b>68.5</b>
Normalized	99.71%	100%	99.13%
Standard Deviation	1.2%	0.9%	1%
ViennaCL - CPU BLAS - dCOPY (GB/s)	<b>15.3</b>	<b>15.3</b>	<b>15.2</b>
Normalized	100%	100%	99.35%
Standard Deviation	0%	0%	0.4%
ViennaCL - CPU BLAS - dAXPY (GB/s)	<b>22.8</b>	<b>22.9</b>	<b>22.8</b>
Normalized	99.56%	100%	99.56%
Standard Deviation	0%	0%	0%
ViennaCL - CPU BLAS - dDOT (GB/s)	<b>30.3</b>	<b>30.8</b>	30.4
Normalized	98.38%	100%	98.7%
Standard Deviation	1.1%	0.3%	0.2%
ViennaCL - CPU BLAS - dGEMV-N (GB/s)	<b>42.9</b>	<b>43.1</b>	43.0
Normalized	99.54%	100%	99.77%
Standard Deviation	0.1%	0.4%	0.4%
ViennaCL - CPU BLAS - dGEMV-T (GB/s)	<b>46.8</b>	<b>47.1</b>	46.9
Normalized	99.36%	100%	99.58%
Standard Deviation	0.1%	0.3%	0.2%

<b>ViennaCL - CPU BLAS - dGEMM-NN</b>	<b>48.8</b>	<b>48.0</b>	48.4
(GFLOPs/s)			
Normalized	100%	98.36%	99.18%
Standard Deviation	1.6%	1%	2.1%
<b>ViennaCL - CPU BLAS - dGEMM-NT</b>	<b>48.3</b>	<b>46.8</b>	47.6
(GFLOPs/s)			
Normalized	100%	96.89%	98.55%
Standard Deviation	1.6%	0.9%	2.2%
<b>ViennaCL - CPU BLAS - dGEMM-TN</b>	<b>51.2</b>	<b>50.9</b>	51.0
(GFLOPs/s)			
Normalized	100%	99.41%	99.61%
Standard Deviation	0.4%	0.5%	0.6%
<b>ViennaCL - CPU BLAS - dGEMM-TT</b>	<b>50.7</b>	<b>49.3</b>	50.4
(GFLOPs/s)			
Normalized	100%	97.24%	99.41%
Standard Deviation	0.4%	0.5%	0.7%
<b>Xmrig - Monero - 1M (H/s)</b>	<b>7970</b>	<b>7754</b>	7819
Normalized	100%	97.29%	98.1%
Standard Deviation	2.7%	1.5%	2.4%
<b>Xmrig - Wownero - 1M (H/s)</b>	<b>10436</b>	<b>10373</b>	10391
Normalized	100%	99.39%	99.56%
Standard Deviation	0.3%	0.4%	0.1%

## Botan 2.17.3

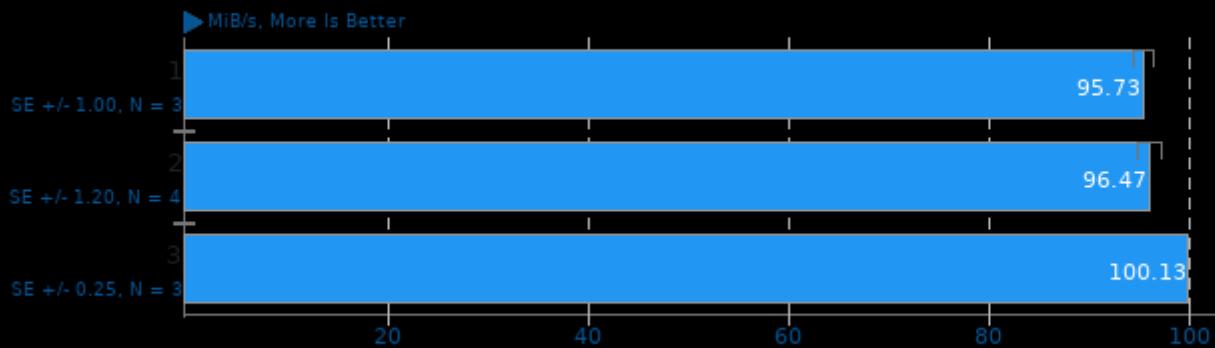
Test: KASUMI



1. (CXX) g++ options: -fstack-protector -m64 -pthread -lbotan-2 -ldl -lrt

## Botan 2.17.3

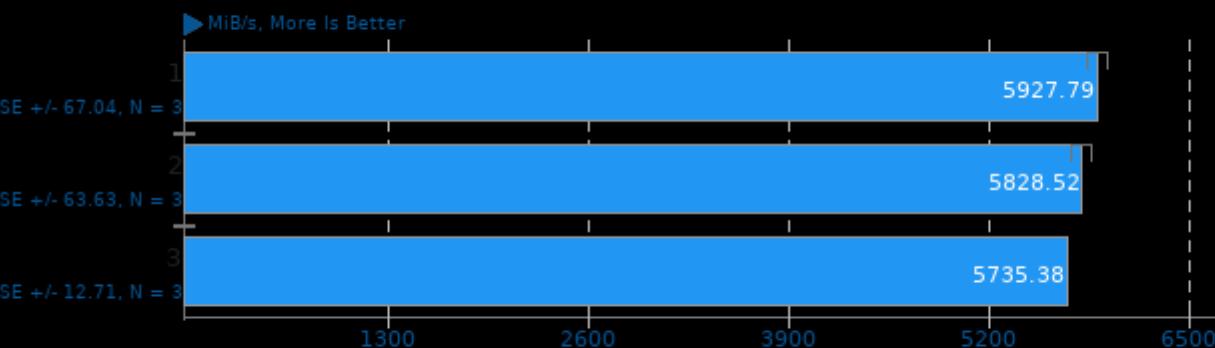
Test: KASUMI - Decrypt



1. (CXX) g++ options: -fstack-protector -m64 -pthread -lbotan-2 -ldl -lrt

## Botan 2.17.3

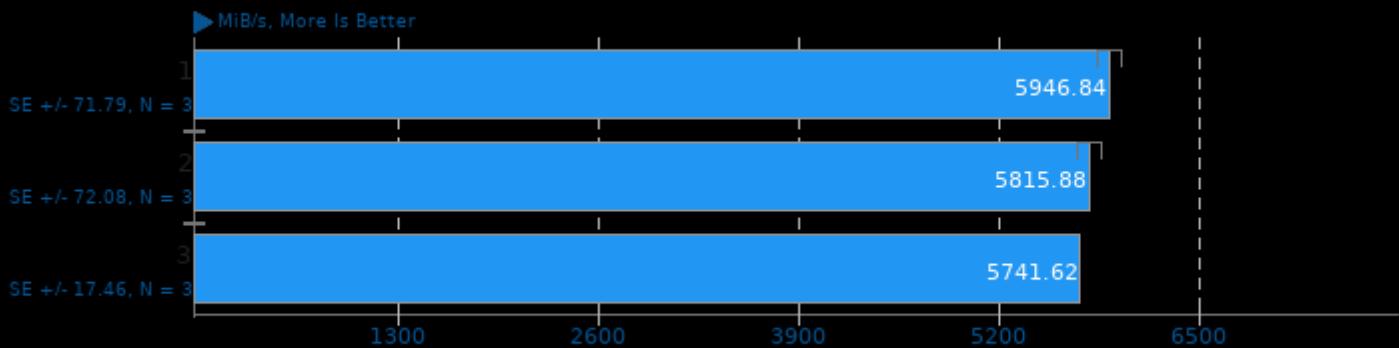
Test: AES-256



1. (CXX) g++ options: -fstack-protector -m64 -pthread -lbotan-2 -ldl -lrt

## Botan 2.17.3

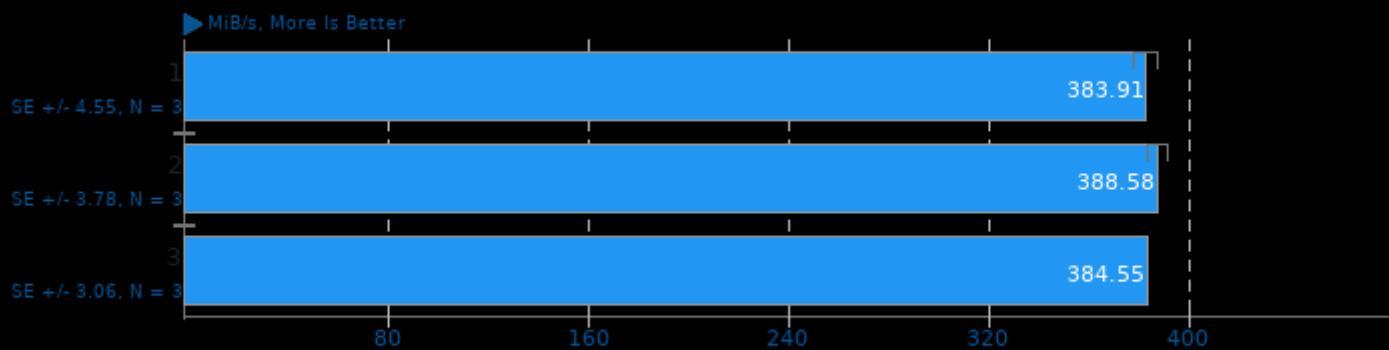
Test: AES-256 - Decrypt



1. (CXX) g++ options: -fstack-protector -m64 -pthread -lbotan-2 -ldl -lrt

## Botan 2.17.3

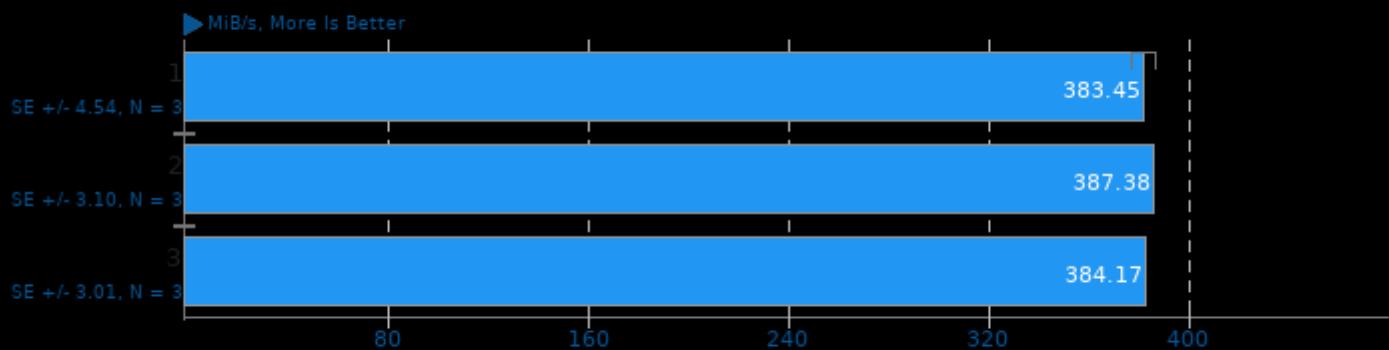
Test: Twofish



1. (CXX) g++ options: -fstack-protector -m64 -pthread -lbotan-2 -ldl -lrt

## Botan 2.17.3

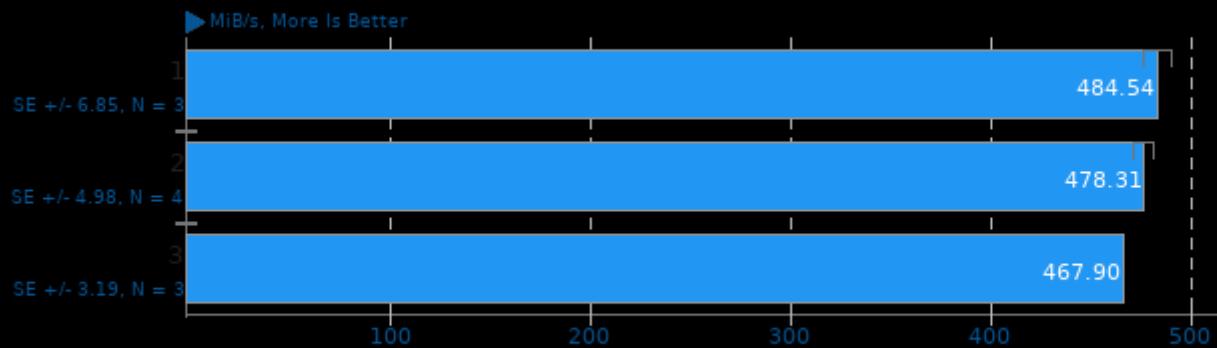
Test: Twofish - Decrypt



1. (CXX) g++ options: -fstack-protector -m64 -pthread -lbotan-2 -ldl -lrt

## Botan 2.17.3

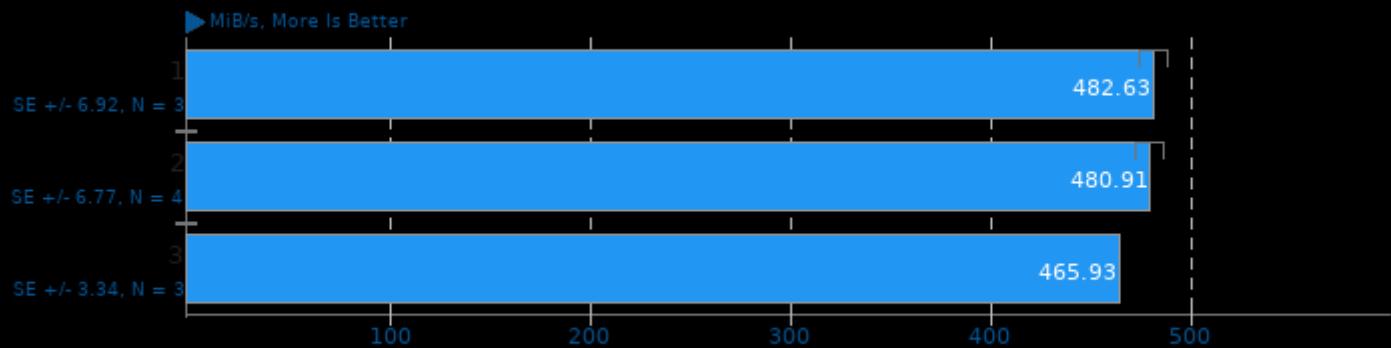
Test: Blowfish



1. (CXX) g++ options: -fstack-protector -m64 -pthread -lbotan-2 -ldl -lrt

## Botan 2.17.3

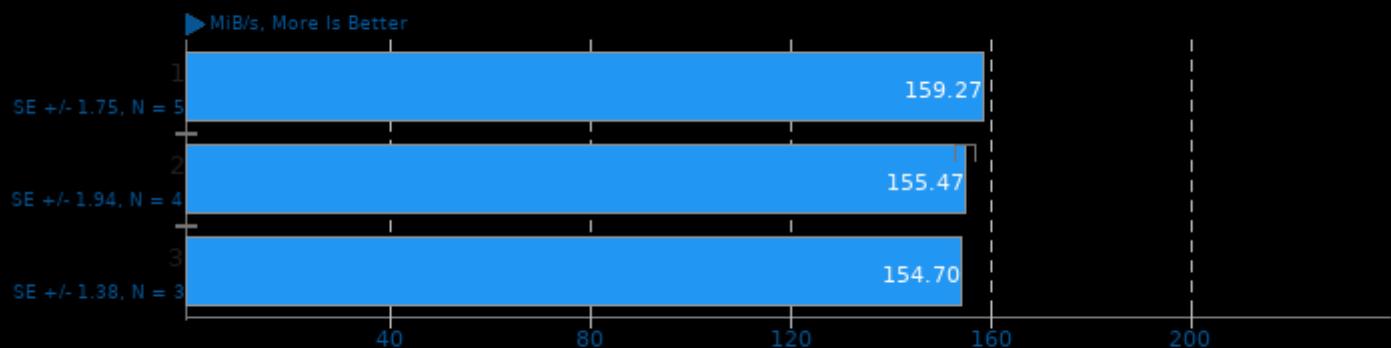
Test: Blowfish - Decrypt



1. (CXX) g++ options: -fstack-protector -m64 -pthread -lbotan-2 -ldl -lrt

## Botan 2.17.3

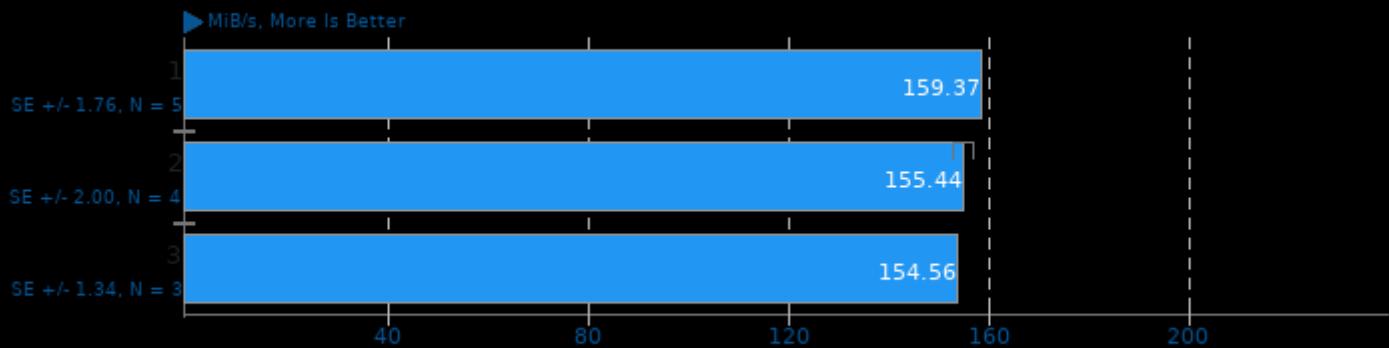
Test: CAST-256



1. (CXX) g++ options: -fstack-protector -m64 -pthread -lbotan-2 -ldl -lrt

## Botan 2.17.3

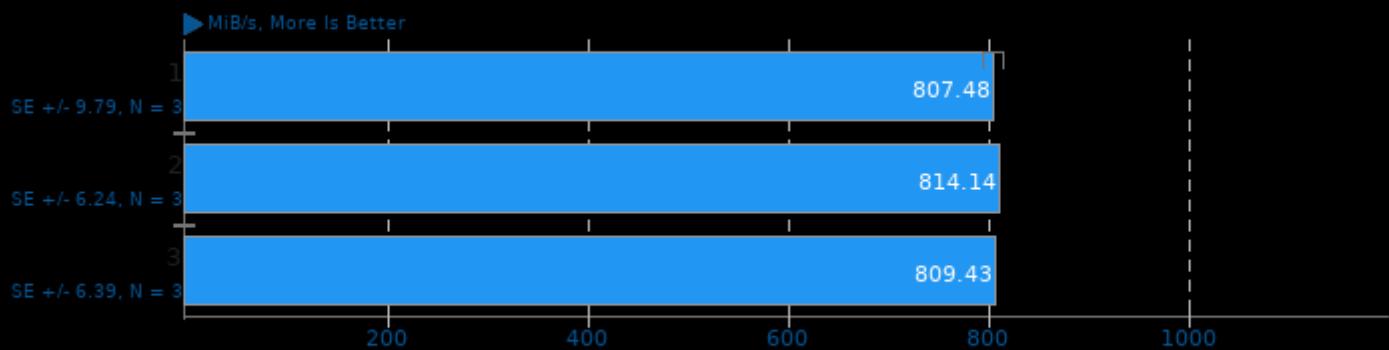
Test: CAST-256 - Decrypt



1. (CXX) g++ options: -fstack-protector -m64 -pthread -lbotan-2 -ldl -lrt

## Botan 2.17.3

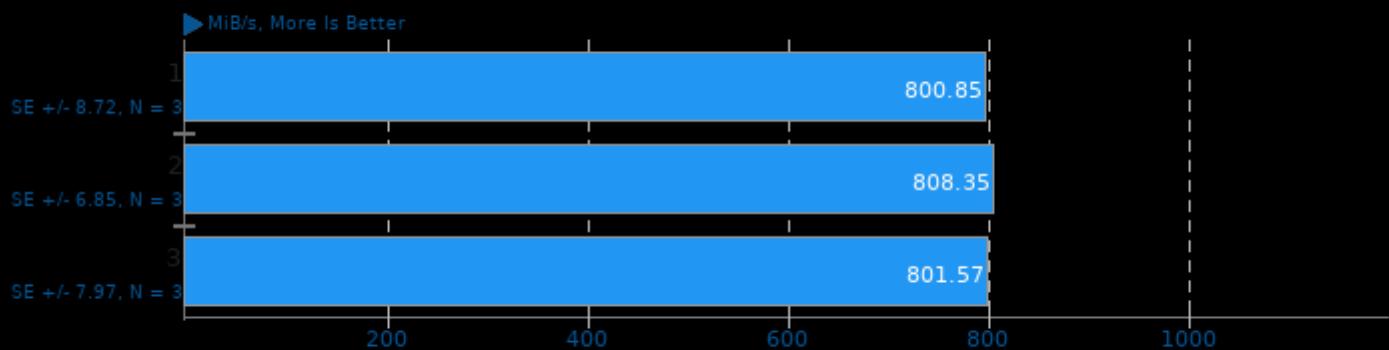
Test: ChaCha20Poly1305



1. (CXX) g++ options: -fstack-protector -m64 -pthread -lbotan-2 -ldl -lrt

## Botan 2.17.3

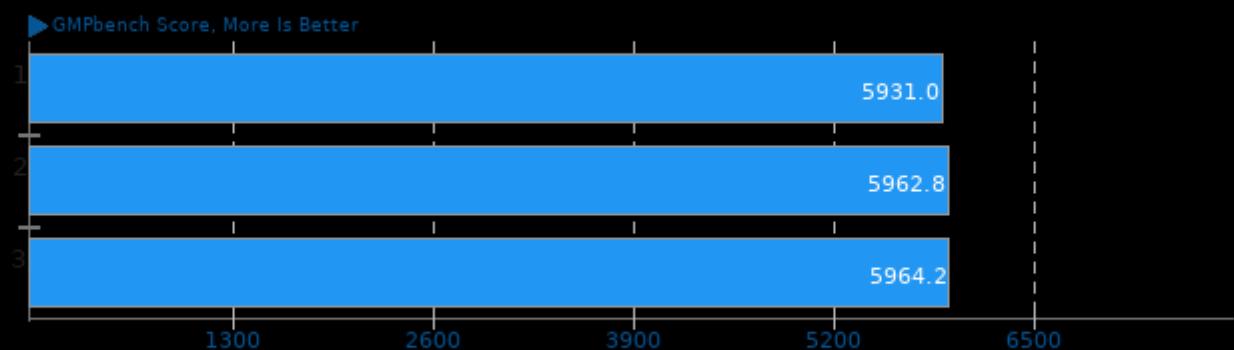
Test: ChaCha20Poly1305 - Decrypt



1. (CXX) g++ options: -fstack-protector -m64 -pthread -lbotan-2 -ldl -lrt

## GNU GMP GMPbench 6.2.1

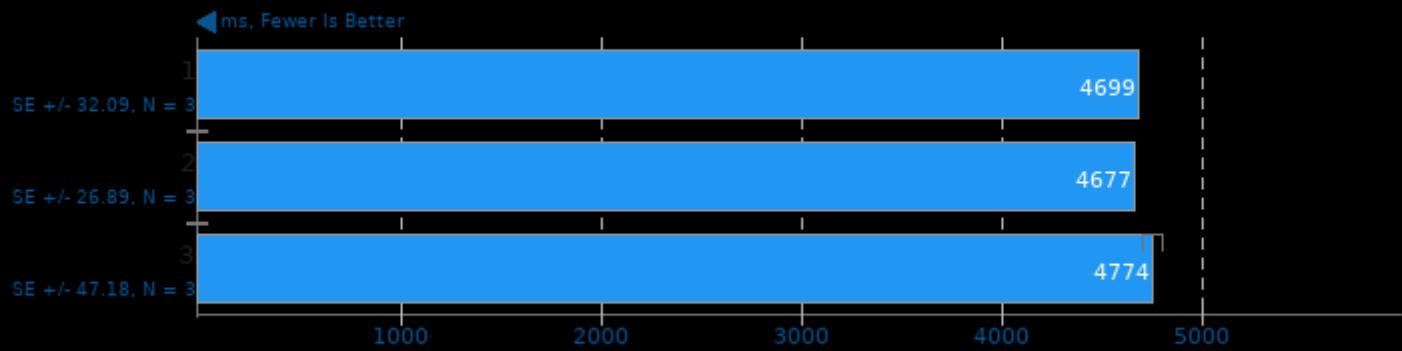
Total Time



1. (CC) gcc options: -O3 -fomit-frame-pointer -lm

## Google Draco 1.4.1

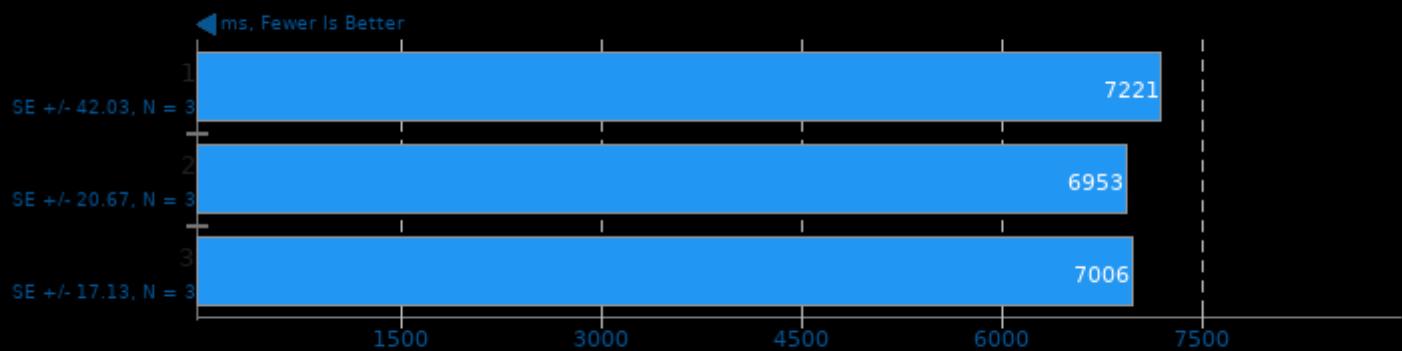
Model: Lion



1. (CXX) g++ options: -O3

## Google Draco 1.4.1

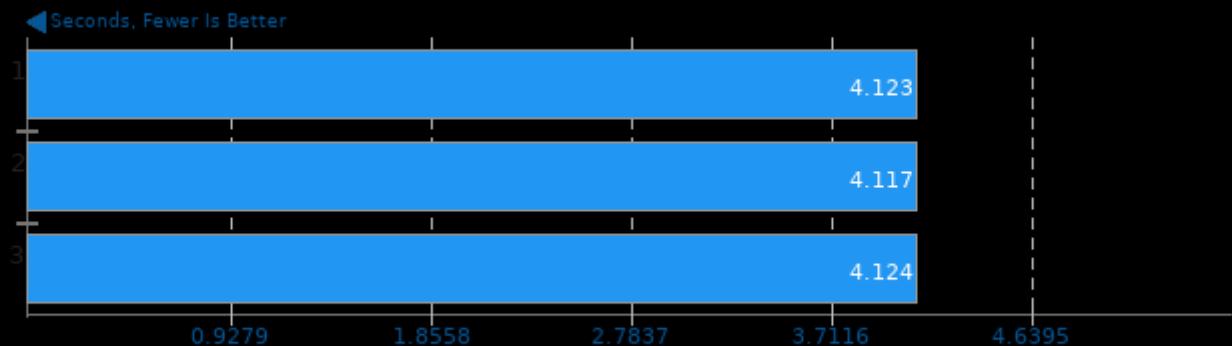
Model: Church Facade



1. (CXX) g++ options: -O3

## Helsing 1.0-beta

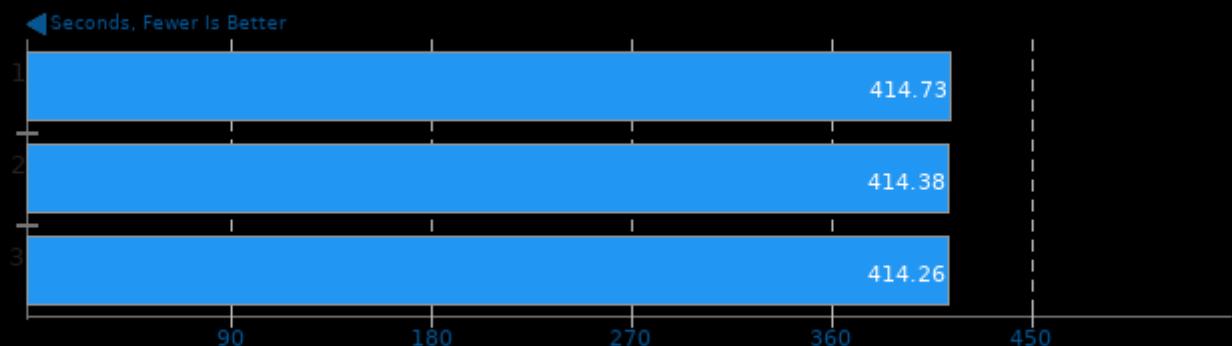
Digit Range: 12 digit



1. (CC) gcc options: -O2 -pthread -lcrypto

## Helsing 1.0-beta

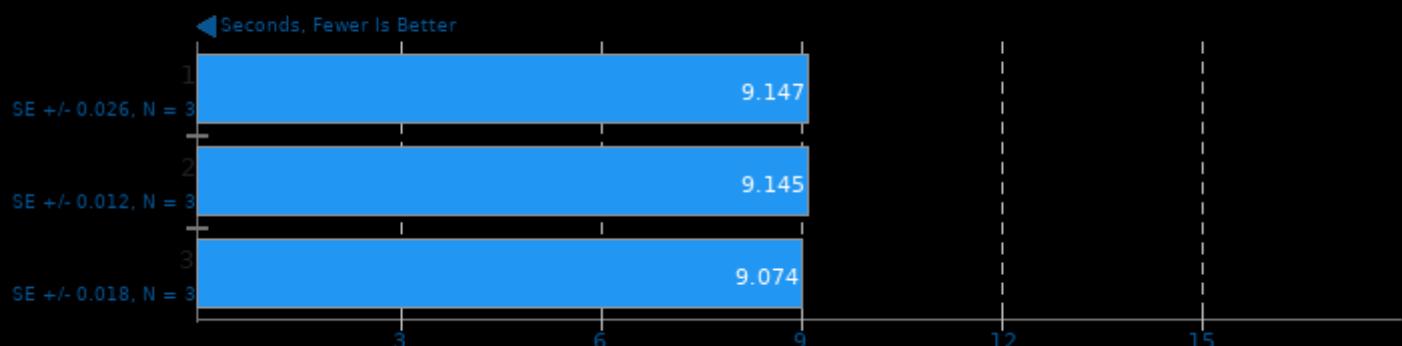
Digit Range: 14 digit



1. (CC) gcc options: -O2 -pthread -lcrypto

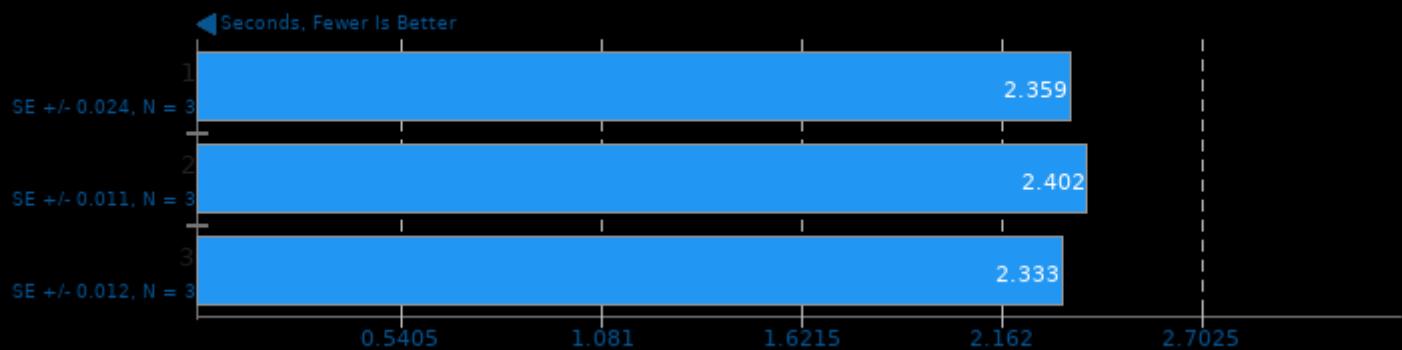
## KTX-Software toktx 4.0

Settings: UASTC 3

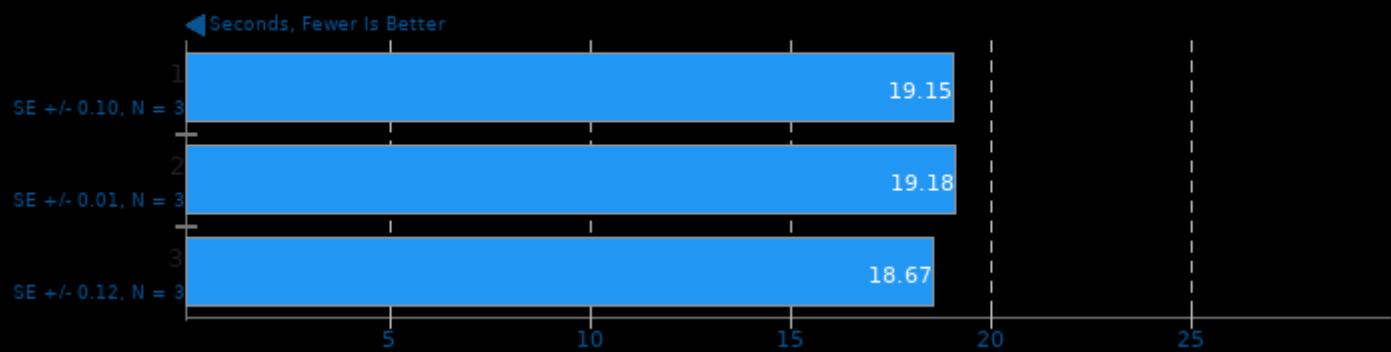


**KTX-Software toktx 4.0**

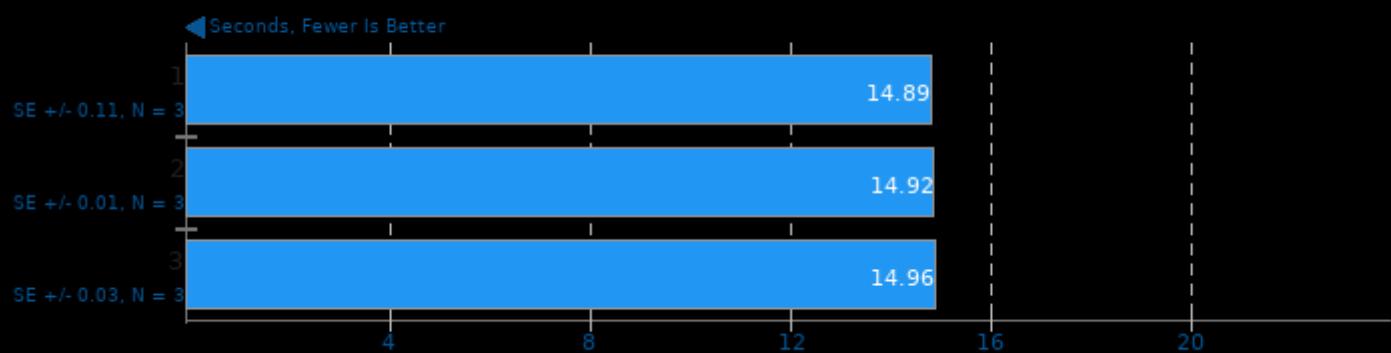
Settings: Zstd Compression 9

**KTX-Software toktx 4.0**

Settings: Zstd Compression 19

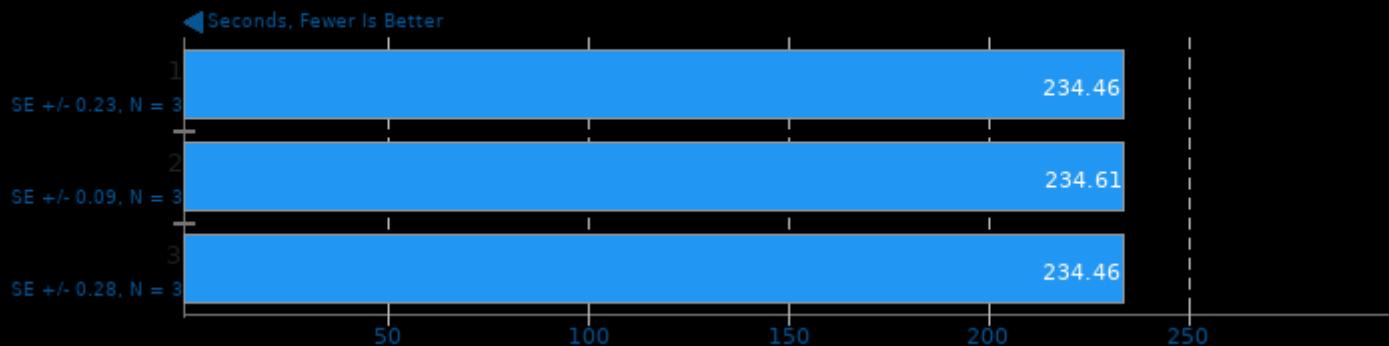
**KTX-Software toktx 4.0**

Settings: UASTC 3 + Zstd Compression 19

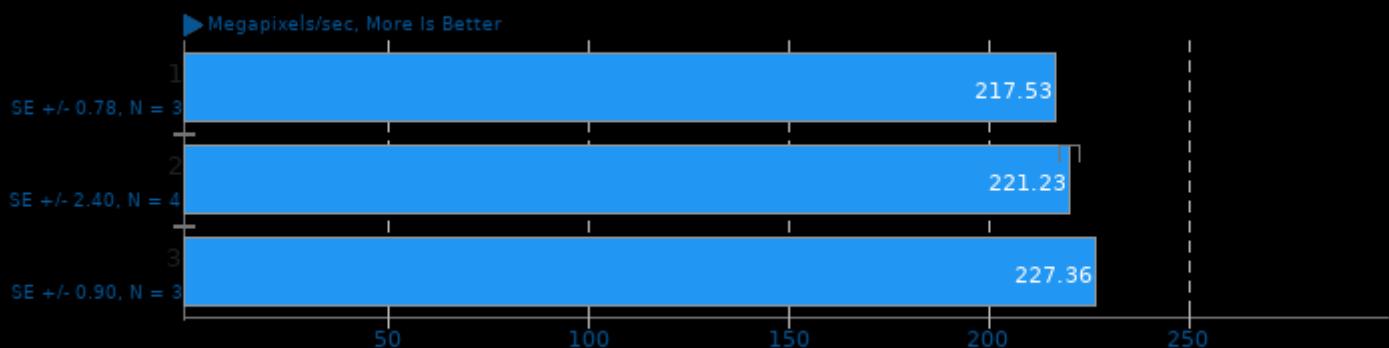


**KTX-Software toktx 4.0**

Settings: UASTC 4 + Zstd Compression 19

**libjpeg-turbo tjbench 2.1.0**

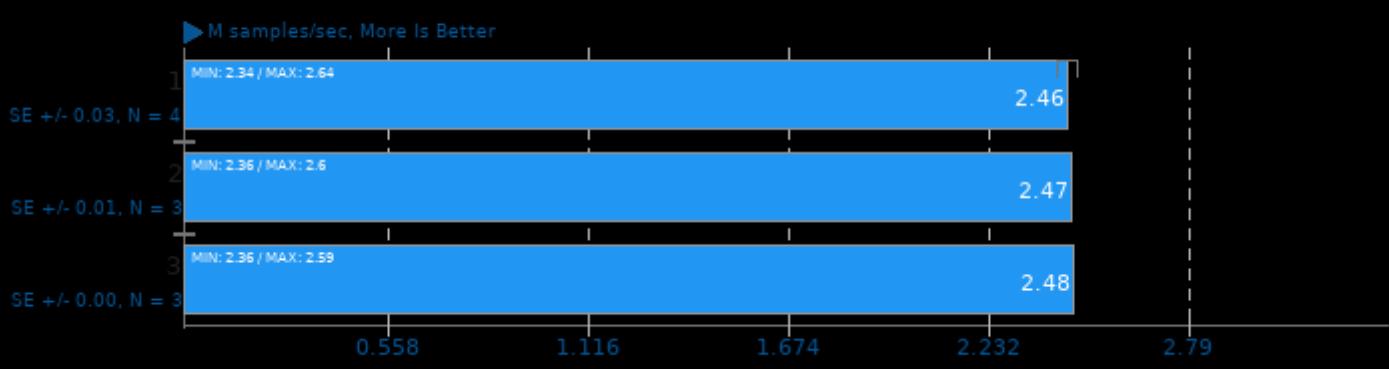
Test: Decompression Throughput



1. (CC) gcc options: -O3 -rdynamic

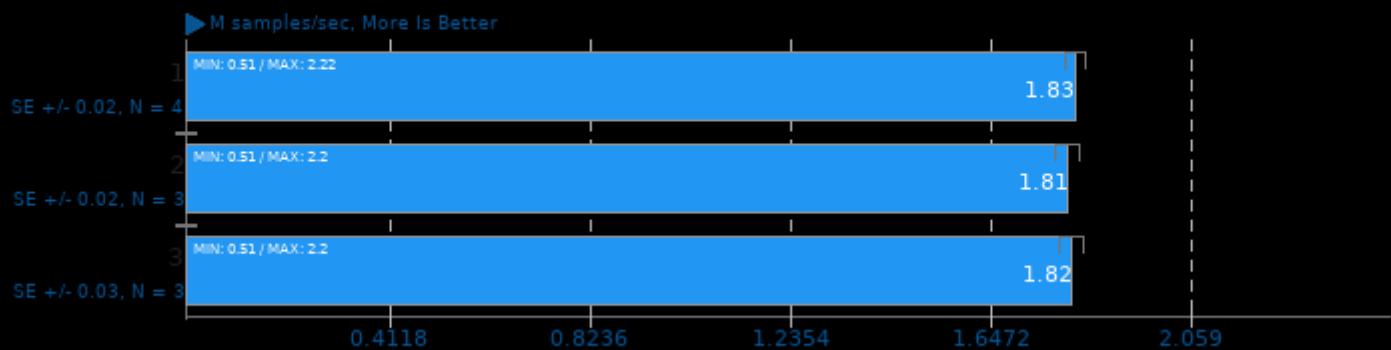
**LuxCoreRender 2.5**

Scene: DLSC - Acceleration: CPU



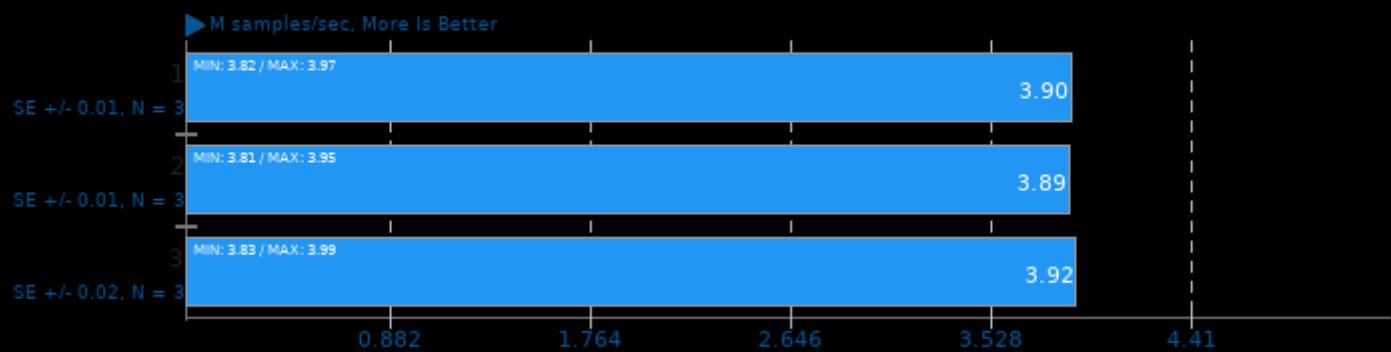
## LuxCoreRender 2.5

Scene: Danish Mood - Acceleration: CPU



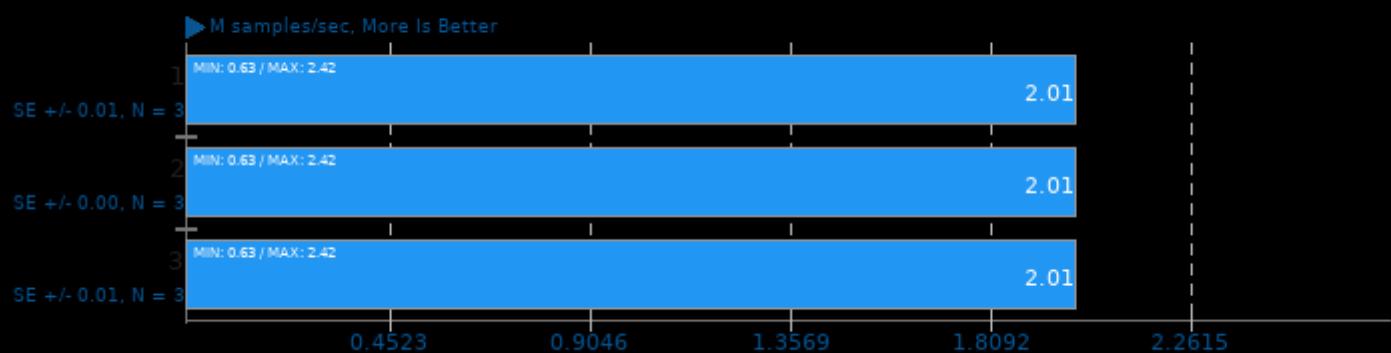
## LuxCoreRender 2.5

Scene: Orange Juice - Acceleration: CPU



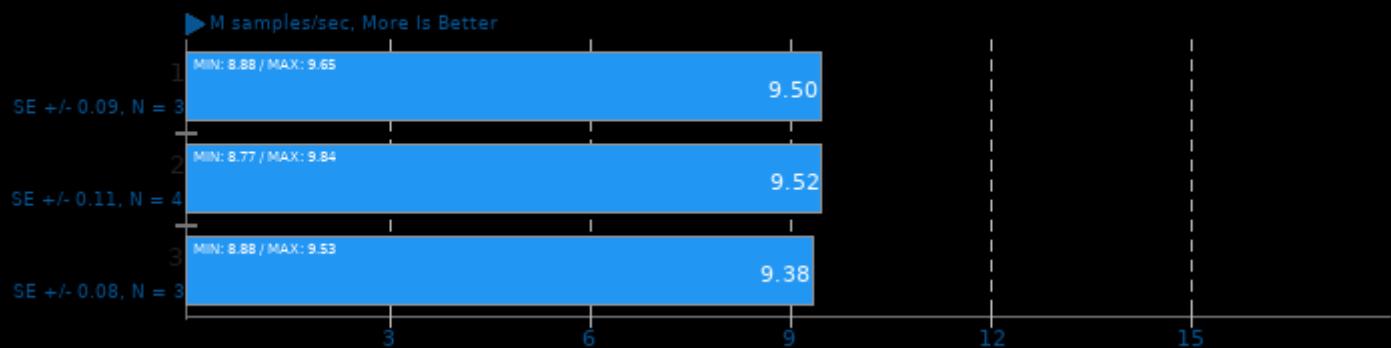
## LuxCoreRender 2.5

Scene: LuxCore Benchmark - Acceleration: CPU



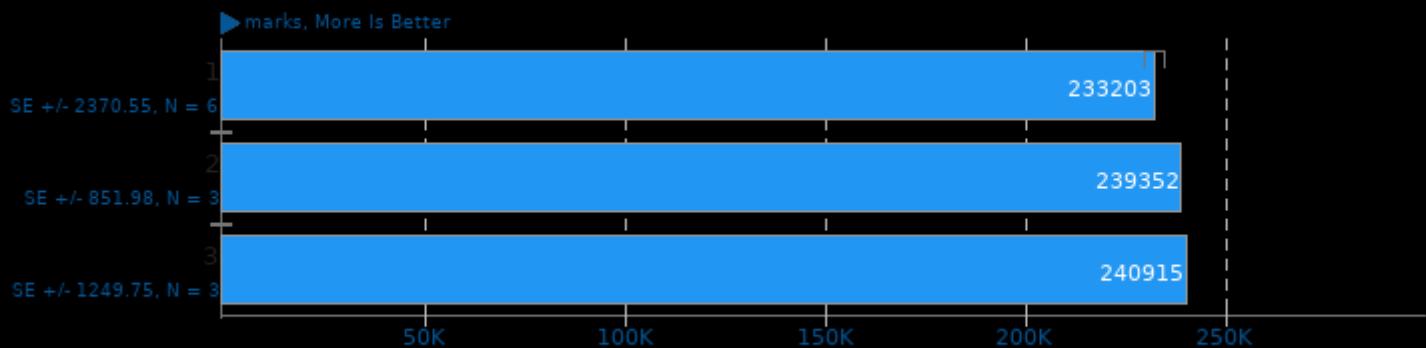
## LuxCoreRender 2.5

Scene: Rainbow Colors and Prism - Acceleration: CPU



## SecureMark 1.0.4

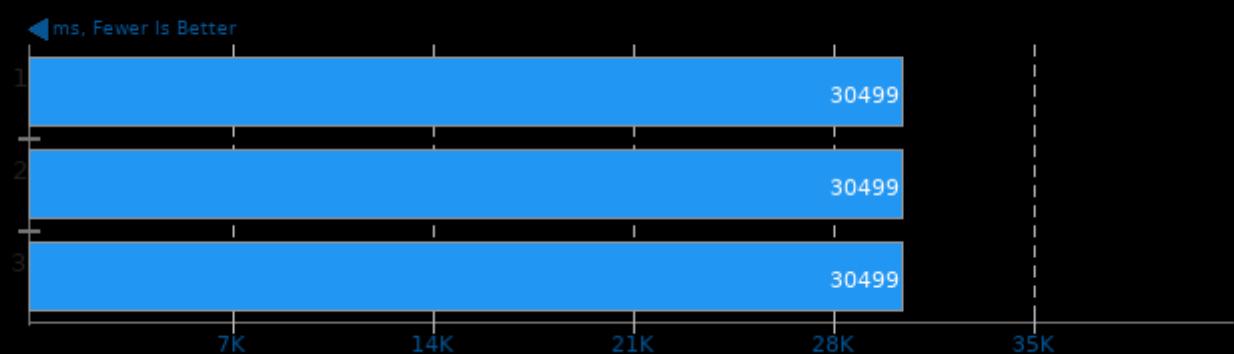
Benchmark: SecureMark-TLS



1. (CC) gcc options: -pedantic -O3

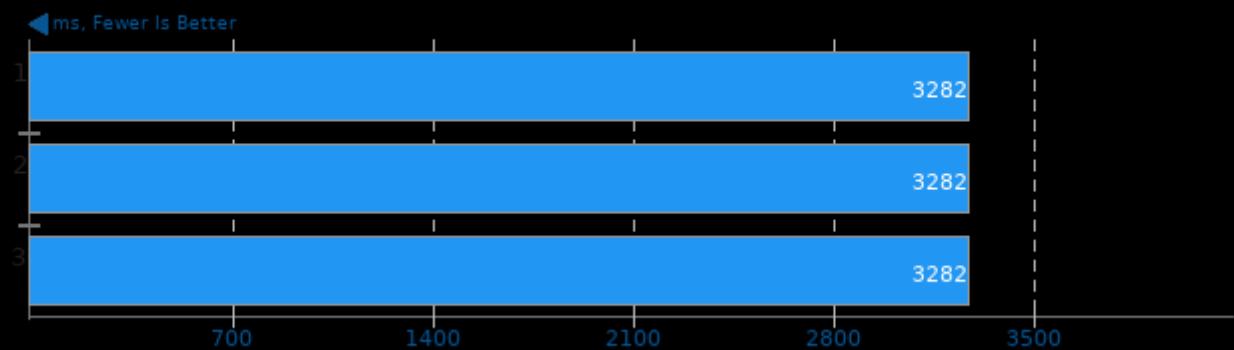
## Systemd Total Boot Time

Test: Total



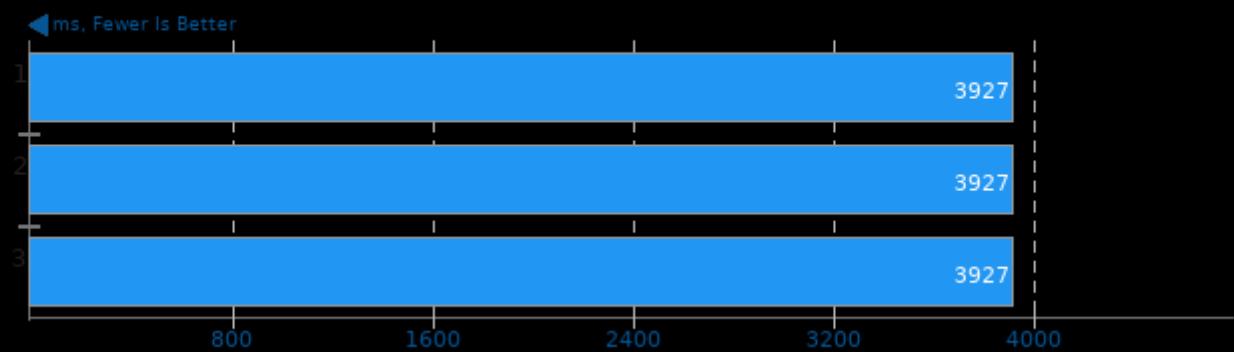
## Systemd Total Boot Time

Test: Kernel



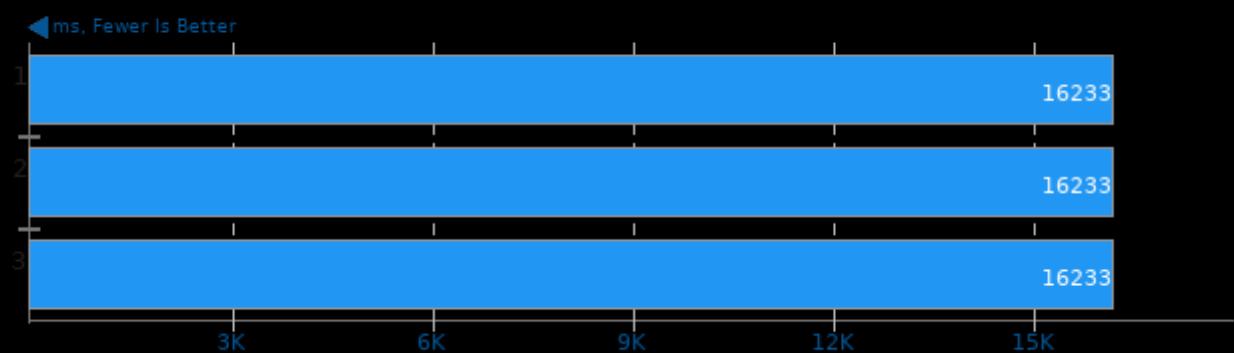
## Systemd Total Boot Time

Test: Loader



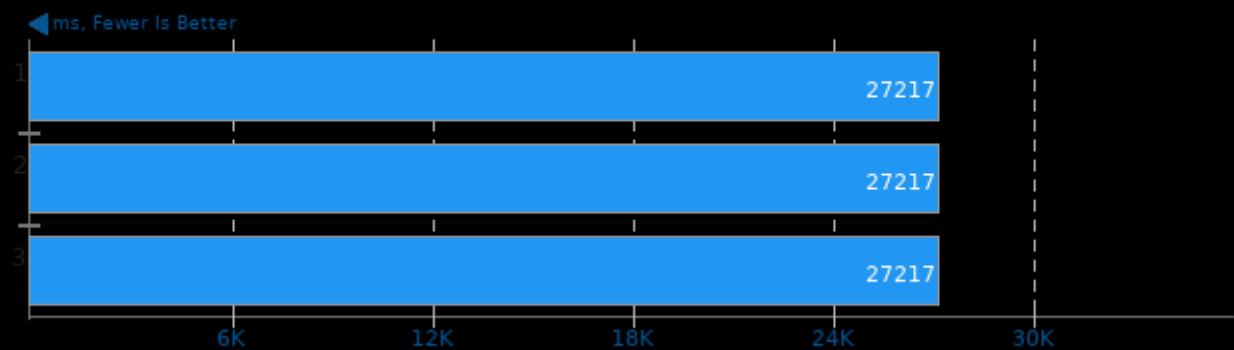
## Systemd Total Boot Time

Test: Firmware



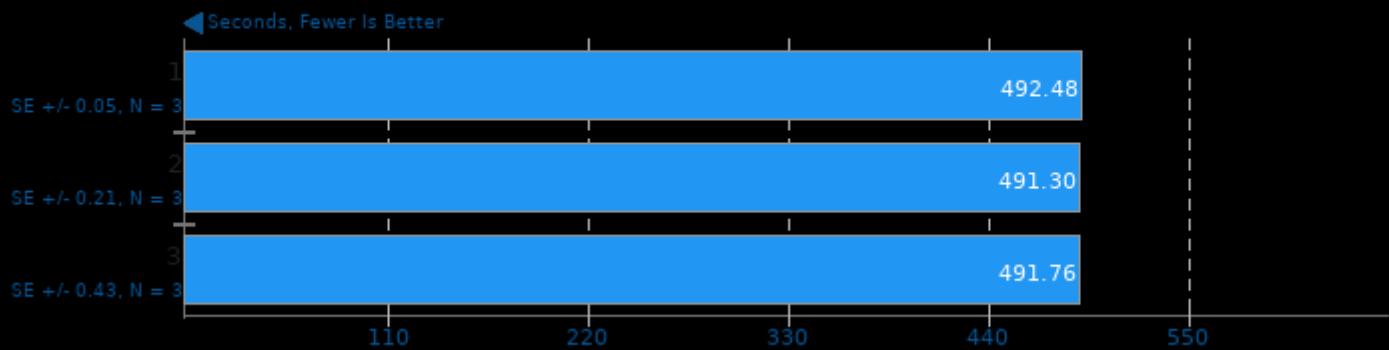
## Systemd Total Boot Time

Test: Userspace



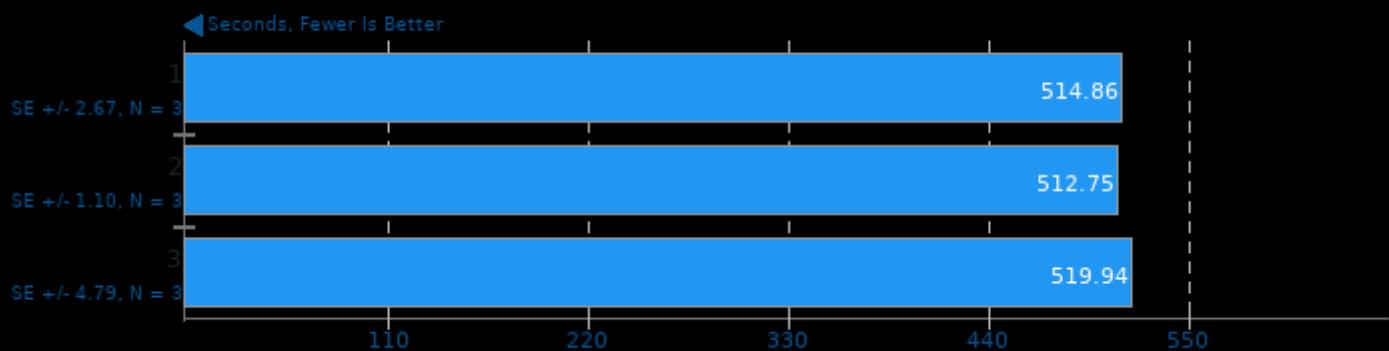
## Timed LLVM Compilation 12.0

Build System: Ninja



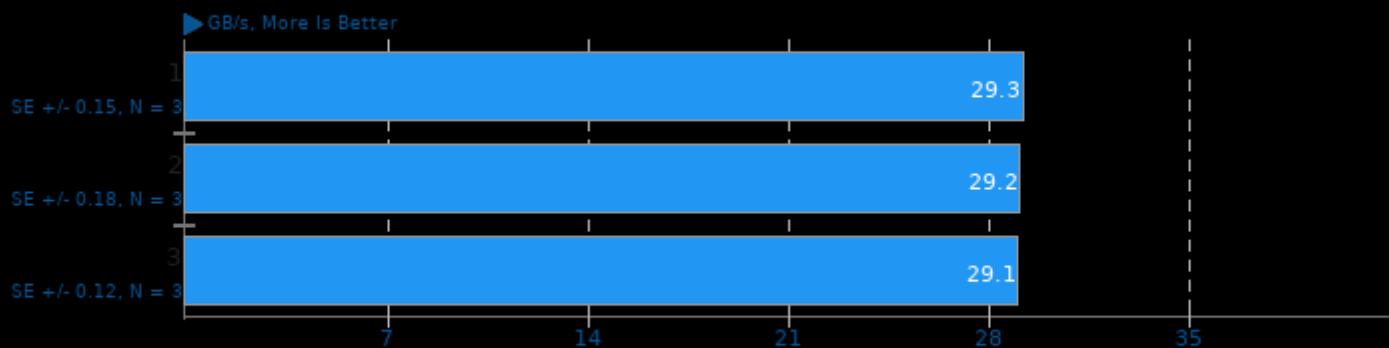
## Timed LLVM Compilation 12.0

Build System: Unix Makefiles



## ViennaCL 1.7.1

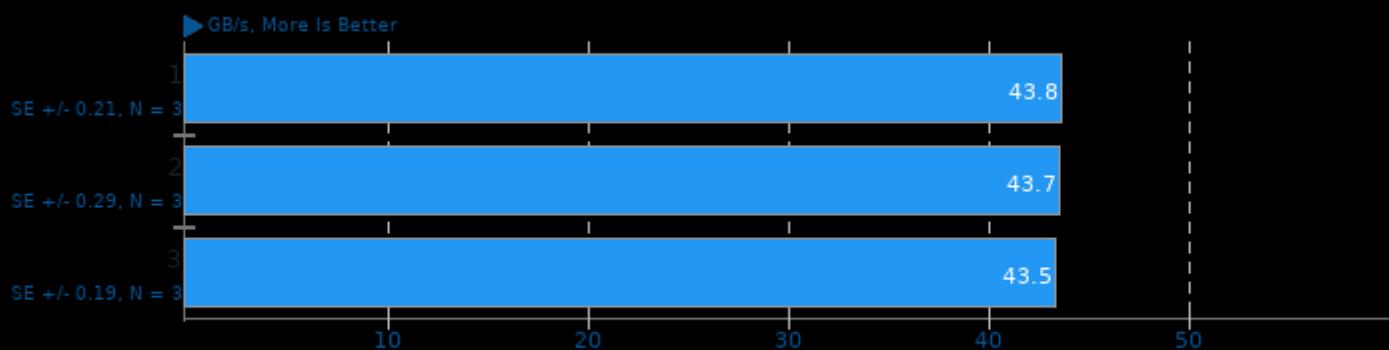
Test: CPU BLAS - sCOPY



1. (CXX) g++ options: -fopenmp -O3 -rdynamic -lOpenCL

## ViennaCL 1.7.1

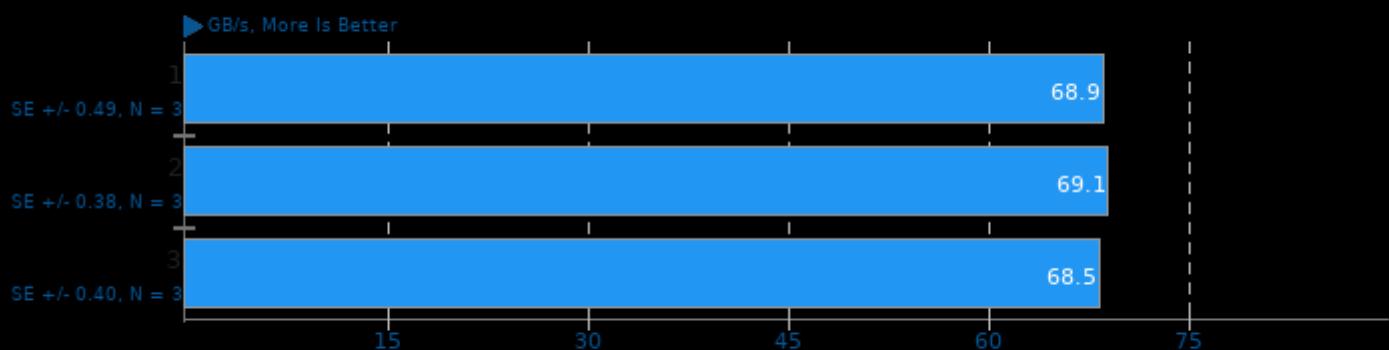
Test: CPU BLAS - sAXPY



1. (CXX) g++ options: -fopenmp -O3 -rdynamic -lOpenCL

## ViennaCL 1.7.1

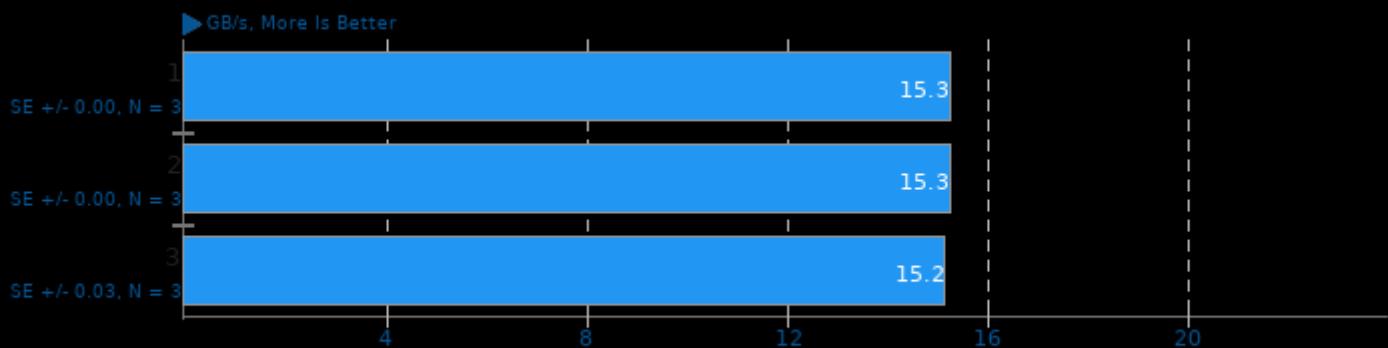
Test: CPU BLAS - sDOT



1. (CXX) g++ options: -fopenmp -O3 -rdynamic -lOpenCL

## ViennaCL 1.7.1

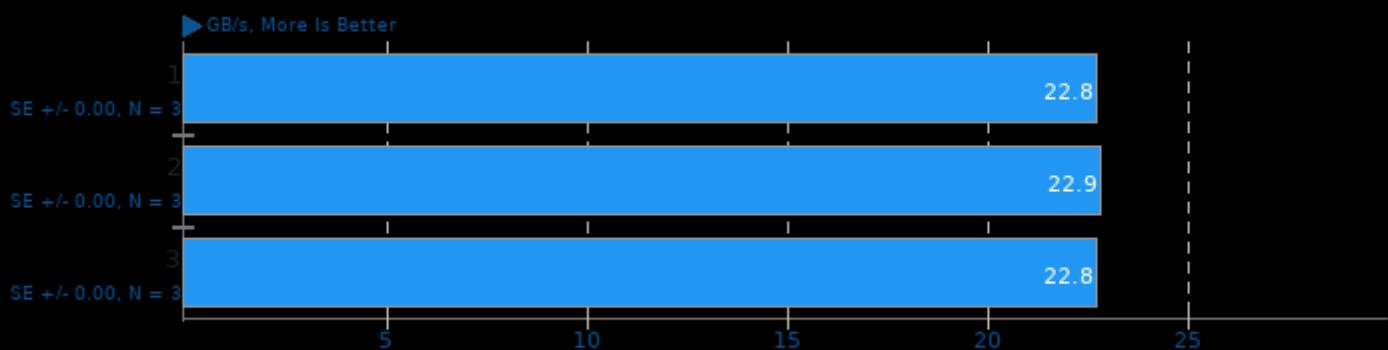
Test: CPU BLAS - dCOPY



1. (CXX) g++ options: -fopenmp -O3 -rdynamic -lOpenCL

## ViennaCL 1.7.1

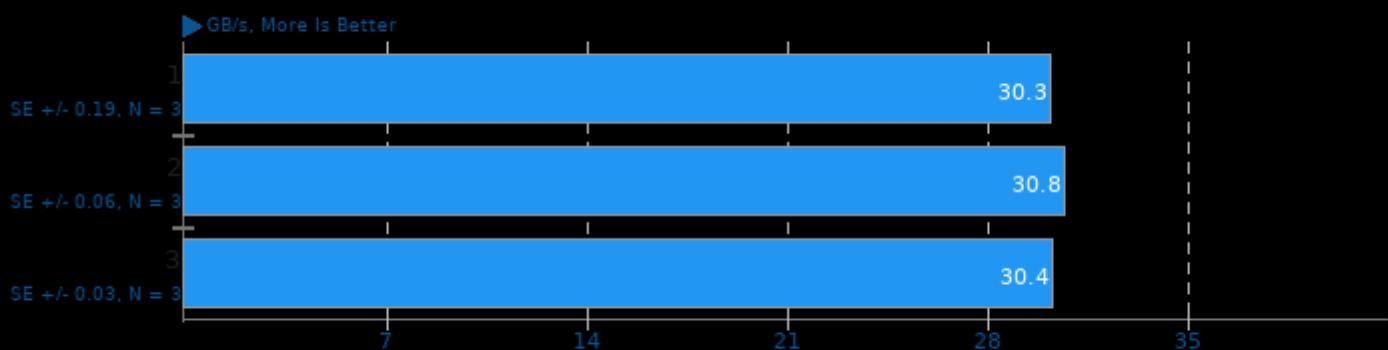
Test: CPU BLAS - dAXPY



1. (CXX) g++ options: -fopenmp -O3 -rdynamic -lOpenCL

## ViennaCL 1.7.1

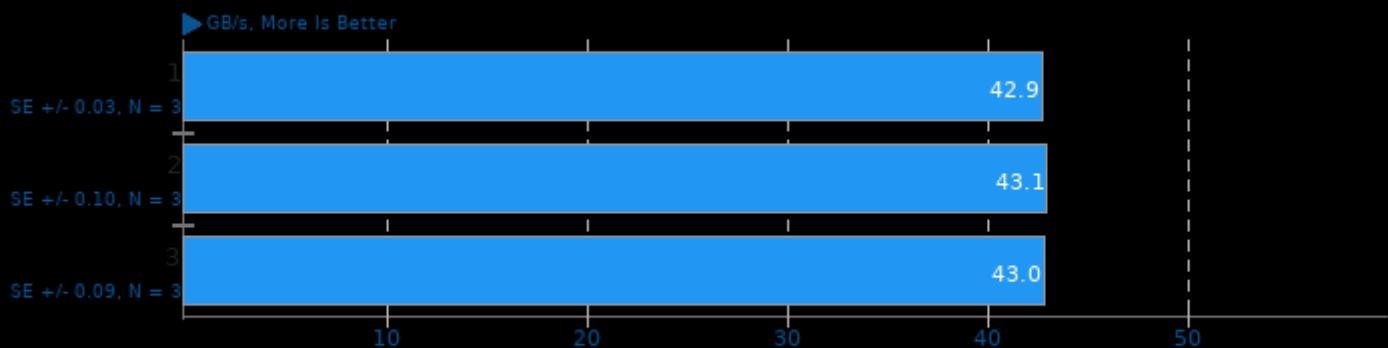
Test: CPU BLAS - dDOT



1. (CXX) g++ options: -fopenmp -O3 -rdynamic -lOpenCL

## ViennaCL 1.7.1

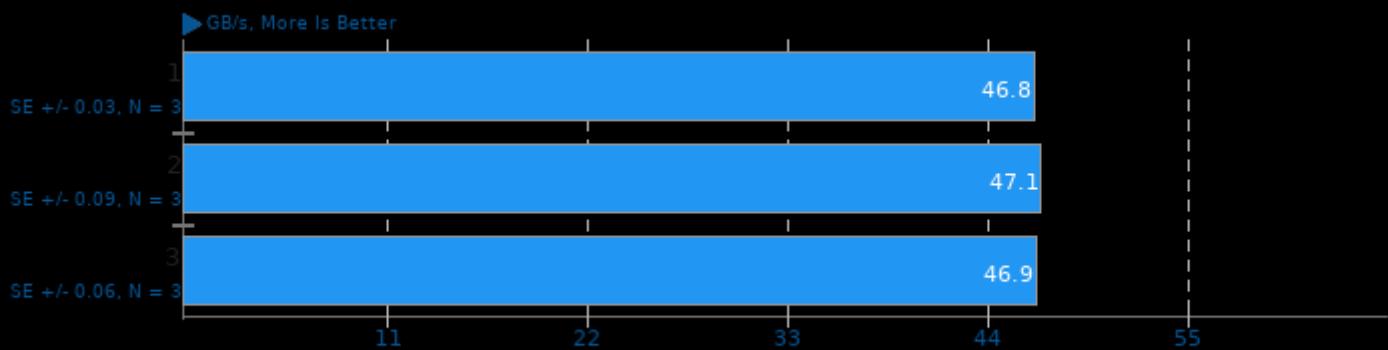
Test: CPU BLAS - dGEMV-N



1. (CXX) g++ options: -fopenmp -O3 -rdynamic -lOpenCL

## ViennaCL 1.7.1

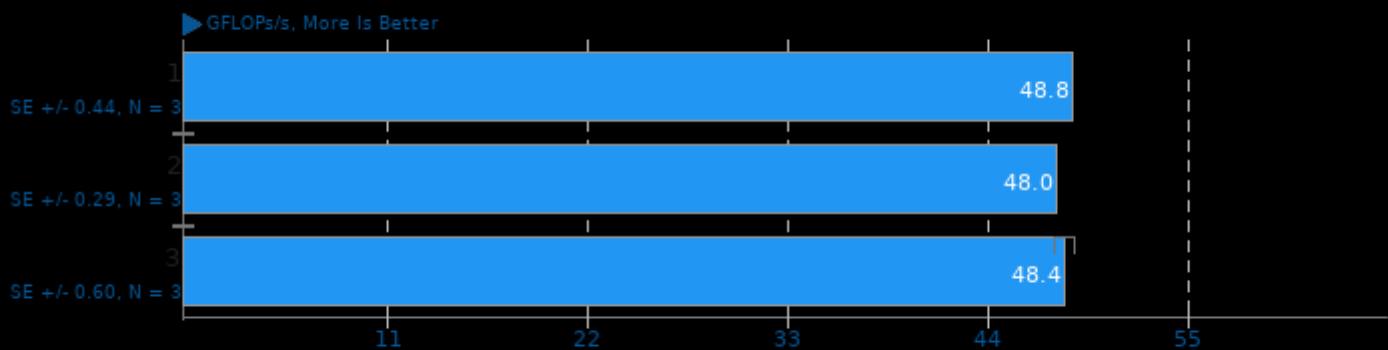
Test: CPU BLAS - dGEMV-T



1. (CXX) g++ options: -fopenmp -O3 -rdynamic -lOpenCL

## ViennaCL 1.7.1

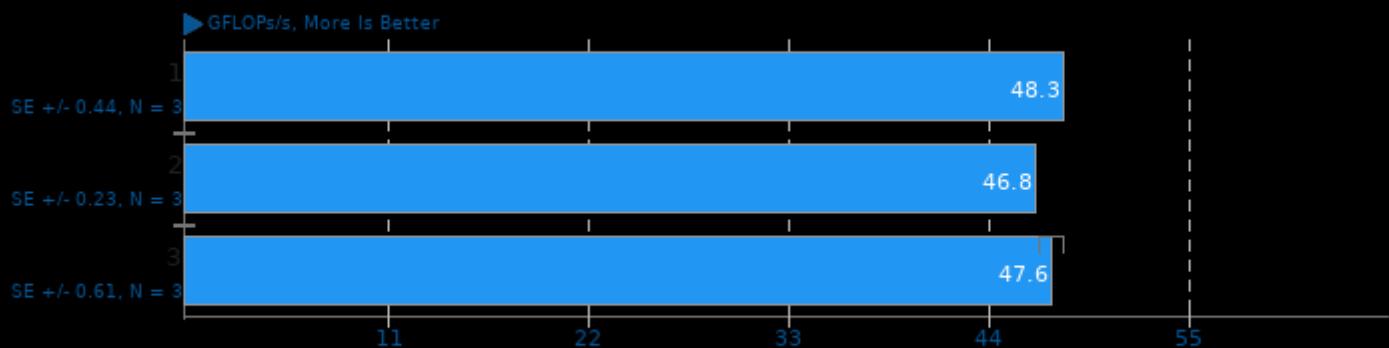
Test: CPU BLAS - dGEMM-NN



1. (CXX) g++ options: -fopenmp -O3 -rdynamic -lOpenCL

## ViennaCL 1.7.1

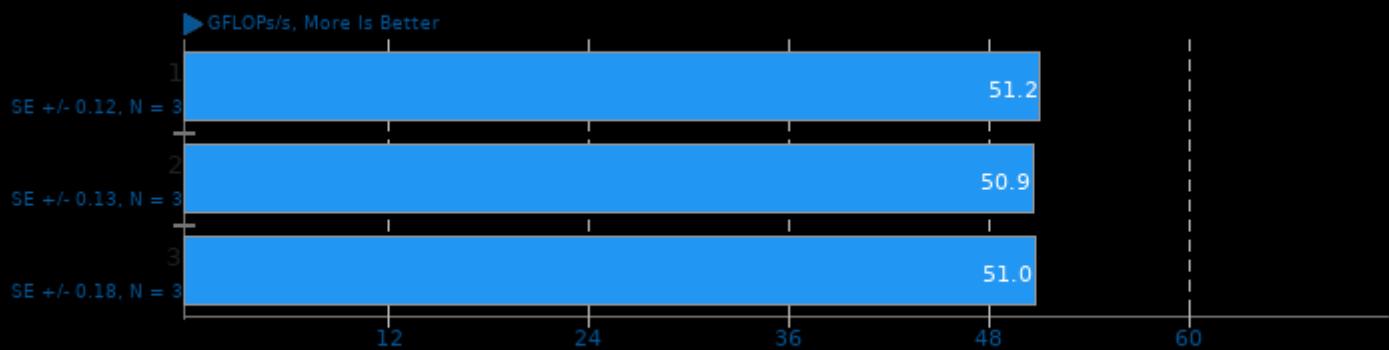
Test: CPU BLAS - dGEMM-NT



1. (CXX) g++ options: -fopenmp -O3 -rdynamic -lOpenCL

## ViennaCL 1.7.1

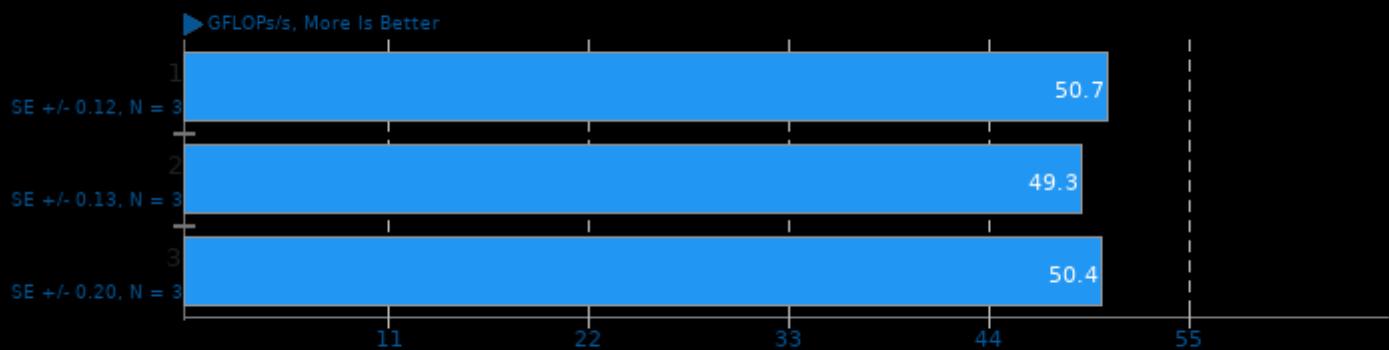
Test: CPU BLAS - dGEMM-TN



1. (CXX) g++ options: -fopenmp -O3 -rdynamic -lOpenCL

## ViennaCL 1.7.1

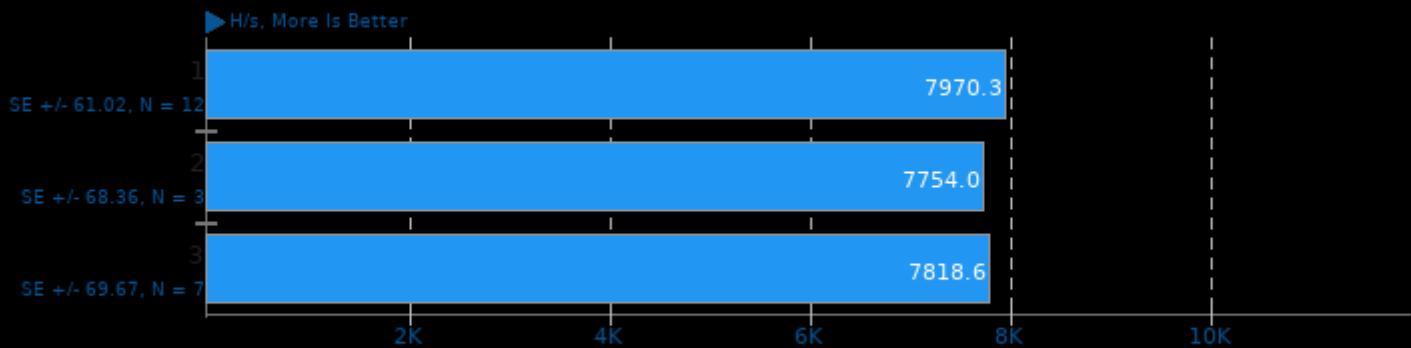
Test: CPU BLAS - dGEMM-TT



1. (CXX) g++ options: -fopenmp -O3 -rdynamic -lOpenCL

## Xmrig 6.12.1

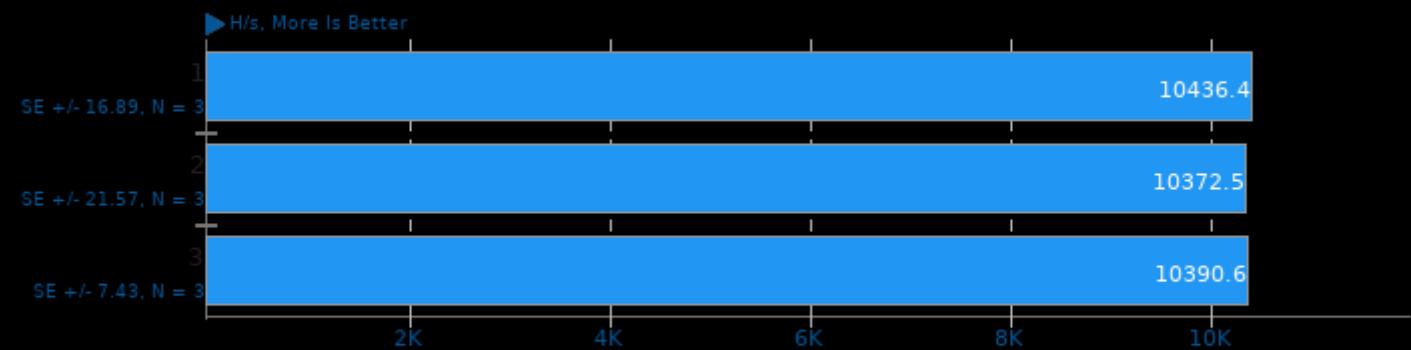
Variant: Monero - Hash Count: 1M



1. (CXX) g++ options: -fexceptions -fno-rtti -maes -O3 -Ofast -static-libgcc -static-libstdc++ -rdynamic -lssl -lcrypto -luv -lpthread -lrt -ldl -lhwloc

## Xmrig 6.12.1

Variant: Wownero - Hash Count: 1M

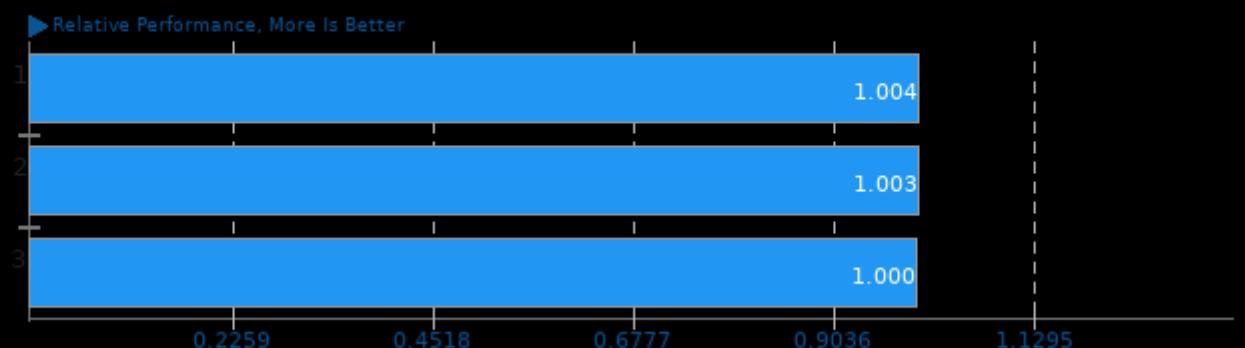


1. (CXX) g++ options: -fexceptions -fno-rtti -maes -O3 -Ofast -static-libgcc -static-libstdc++ -rdynamic -lssl -lcrypto -luv -lpthread -lrt -ldl -lhwloc

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

### Geometric Mean Of CPU Massive Tests

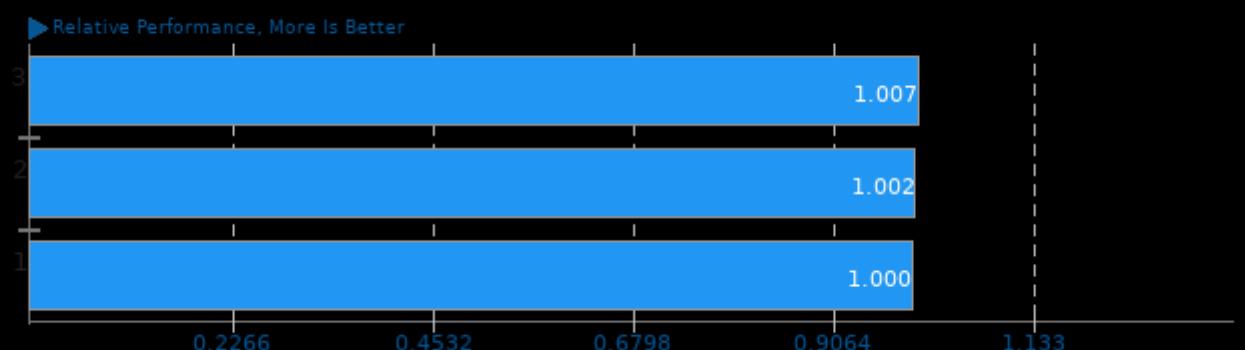
Result Composite - 3900X Sunday



Geometric mean based upon tests: pts/build-llvm, pts/botan and pts/tjbench

### Geometric Mean Of Creator Workloads Tests

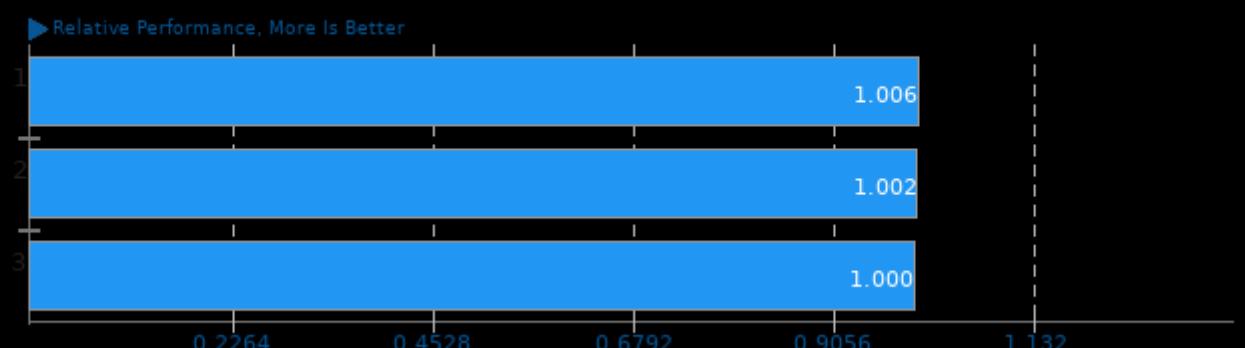
Result Composite - 3900X Sunday



Geometric mean based upon tests: pts/luxcorerender, pts/tjbench, pts/toktx and pts/draco

### Geometric Mean Of Cryptography Tests

Result Composite - 3900X Sunday

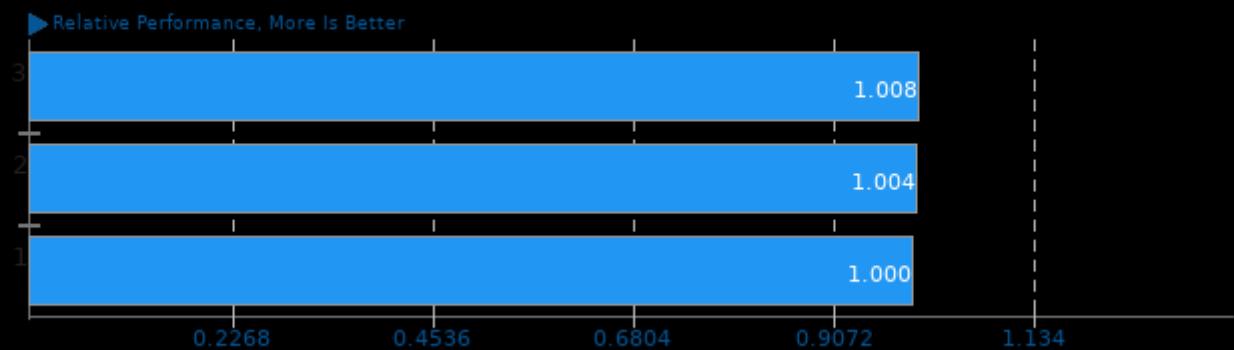


Geometric mean based upon tests: pts/botan, pts/securemark and pts/xmrig

## 3900X Sunday

### Geometric Mean Of Game Development Tests

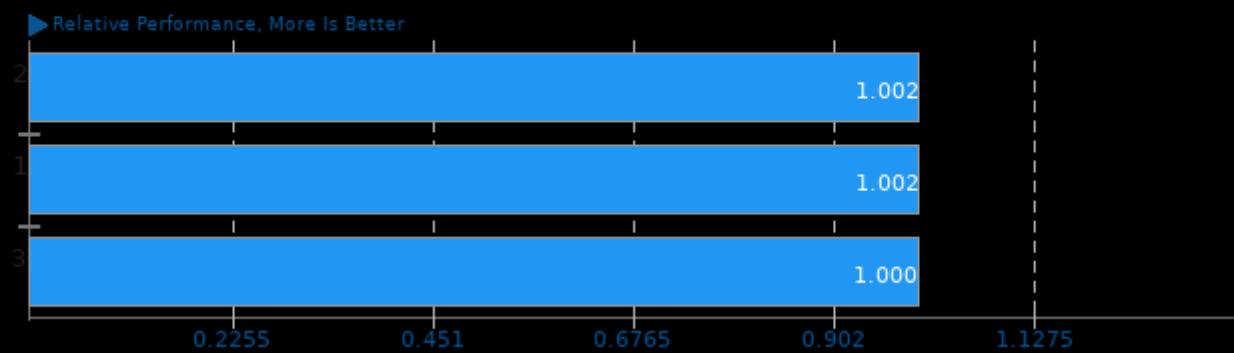
Result Composite - 3900X Sunday



Geometric mean based upon tests: pts/toktx and pts/draco

### Geometric Mean Of Multi-Core Tests

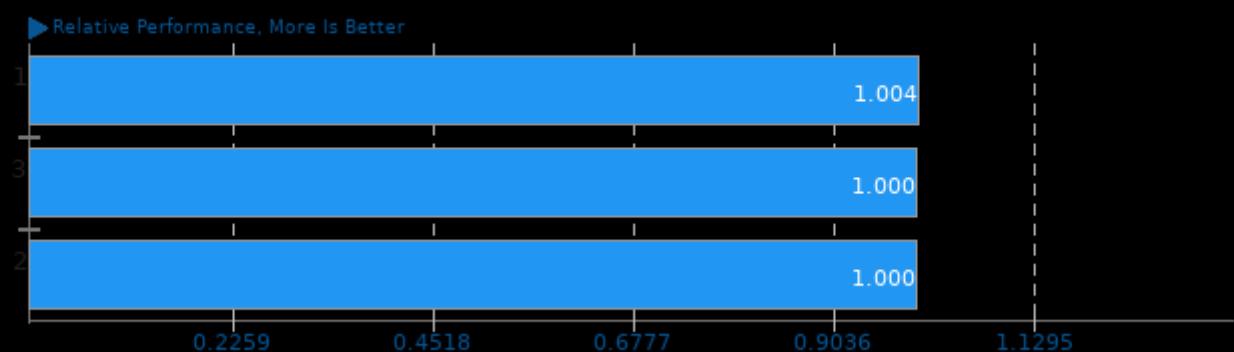
Result Composite - 3900X Sunday



Geometric mean based upon tests: pts/build-llvm and pts/luxcorerender

### Geometric Mean Of NVIDIA GPU Compute Tests

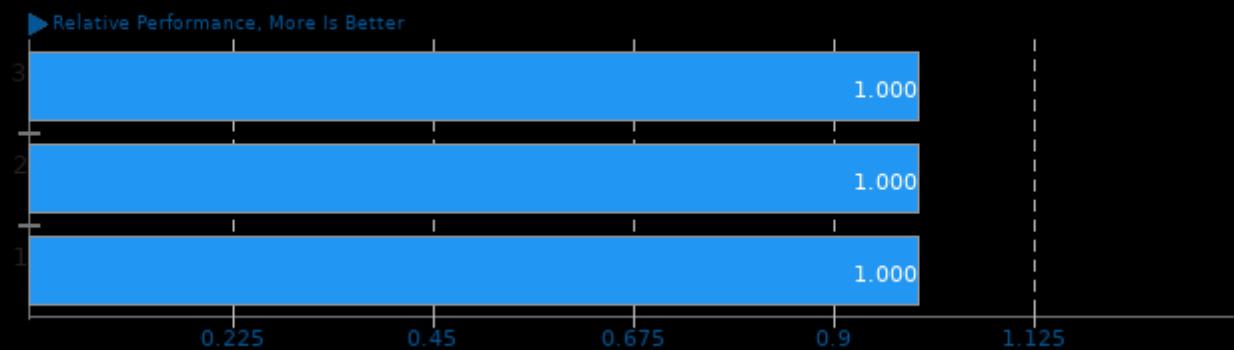
Result Composite - 3900X Sunday



Geometric mean based upon tests: pts/luxcorerender and pts/viennacl

## Geometric Mean Of Python Tests

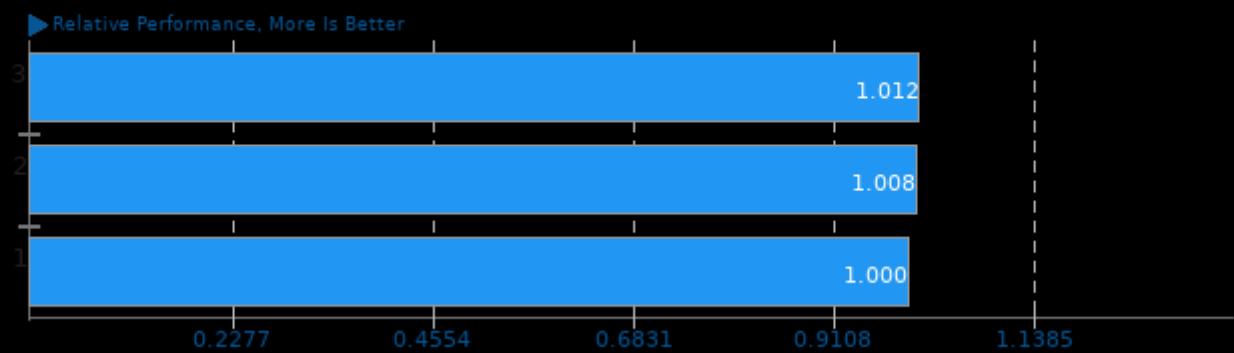
Result Composite - 3900X Sunday



Geometric mean based upon tests: pts/systemd-boot-total and pts/build-llvm

## Geometric Mean Of Server CPU Tests

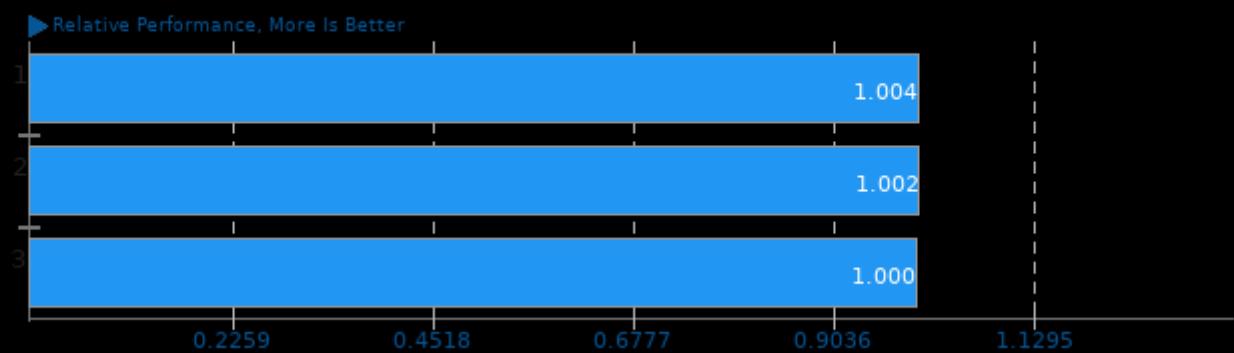
Result Composite - 3900X Sunday



Geometric mean based upon tests: pts/build-llvm and pts/tjbench

## Geometric Mean Of Single-Threaded Tests

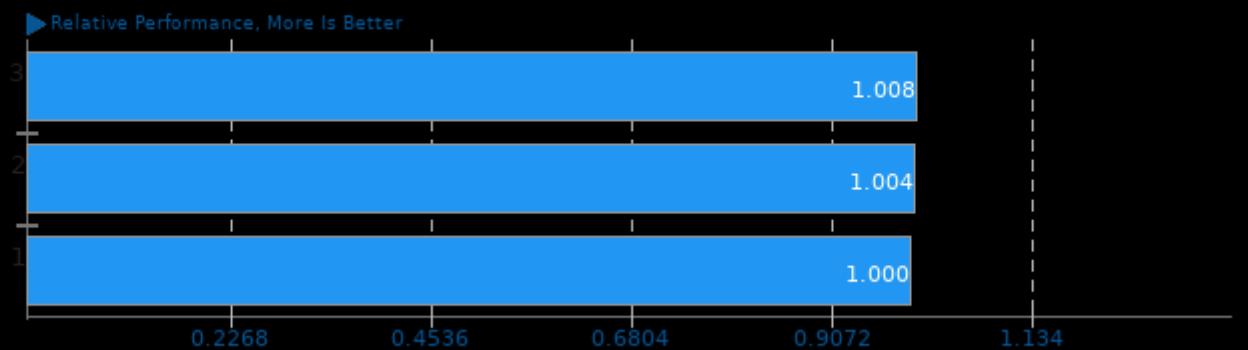
Result Composite - 3900X Sunday



Geometric mean based upon tests: pts/gmpbench, pts/botan and pts/tjbench

## Geometric Mean Of Texture Compression Tests

Result Composite - 3900X Sunday



Geometric mean based upon tests: pts/toktx and pts/draco

*This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 20:46.*