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8400 okt

Intel Core i5-8400 testing with a MSI Z370M MORTAR (MS-7B54) v1.0 (1.80 BIOS) and MSI Intel UHD 630 CFL GT2 3GB on Ubuntu 20.04 via the Phoronix Test Suite.

Automated Executive Summary

2 had the most wins, coming in first place for 49% of the tests.

Based on the geometric mean of all complete results, the fastest (2) was 1.01x the speed of the slowest (1). 3 was 0.998x the speed of 2 and 1 was 0.992x the speed of 3.

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

Stress-NG (Test: Memory Copying) at 1.44x
Stress-NG (Test: Socket Activity) at 1.202x
Stress-NG (Test: Atomic) at 1.093x
Cpuminer-Opt (Algorithm: Quad SHA-256, Pyrite) at 1.062x
Stress-NG (Test: CPU Cache) at 1.057x
KeyDB at 1.053x
JPEG XL Decoding libjxl (CPU Threads: All) at 1.042x
LeelaChessZero (Backend: BLAS) at 1.041x
yquake2 (Renderer: OpenGL 3.x - Resolution: 1920 x 1080) at 1.034x

yquake2 (Renderer: OpenGL 1.x - Resolution: 1920 x 1080) at 1.034x.

Test Systems:

1

2

3

Processor: Intel Core i5-8400 @ 4.00GHz (6 Cores), Motherboard: MSI Z370M MORTAR (MS-7B54) v1.0 (1.80 BIOS), Chipset: Intel 8th Gen Core, Memory: 8GB, Disk: 512GB INTEL SSDPEKNW512G8, Graphics: MSI Intel UHD 630 CFL GT2 3GB (1050MHz), Audio: Realtek ALC892, Monitor: DELL S2409W, Network: Intel I219-V

OS: Ubuntu 20.04, Kernel: 5.9.0-050900rc7daily20200929-generic (x86_64) 20200928, Desktop: GNOME Shell 3.36.4, Display Server: X Server 1.20.9, OpenGL: 4.6 Mesa 20.0.8, 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-9-9.3.0/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: 0xde - Thermald 1.9.1
Python Notes: Python 3.8.10
Security Notes: itlb_multihit: KVM: Mitigation of VMX disabled + l1tf: Mitigation of PTE Inversion; VMX: conditional cache flushes SMT disabled + mds: Mitigation of Clear buffers; SMT disabled + meltdown: Mitigation of PTI + 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 generic retpoline IBPB: conditional IBRS_FW STIBP: disabled RSB filling + srbds: Mitigation of Microcode + tsx_async_abort: Not affected

	1	2	3
yquake2 - Vulkan - 1920 x 1080 (FPS)	**58.1**	**58.6**	58.5
Normalized	99.15%	100%	99.83%
yquake2 - OpenGL 1.x - 1920 x 1080 (FPS)	**145.6**	**150.5**	146.8
Normalized	96.74%	100%	97.54%
yquake2 - OpenGL 3.x - 1920 x 1080 (FPS)	**198**	**204.7**	201.3
Normalized	96.73%	100%	98.34%
yquake2 - Software CPU - 1920 x 1080 (FPS)	**105.9**	**106.3**	106.2
Normalized	99.62%	100%	99.91%
GLmark2 - 1920 x 1080 (Score)	**615**	**635**	620
Normalized	96.85%	100%	97.64%
LeelaChessZero - BLAS (Nodes/s)	**1155**	**1109**	1143
Normalized	100%	96.02%	98.96%
LeelaChessZero - Eigen (Nodes/s)	**1063**	1080	**1084**
Normalized	98.06%	99.63%	100%

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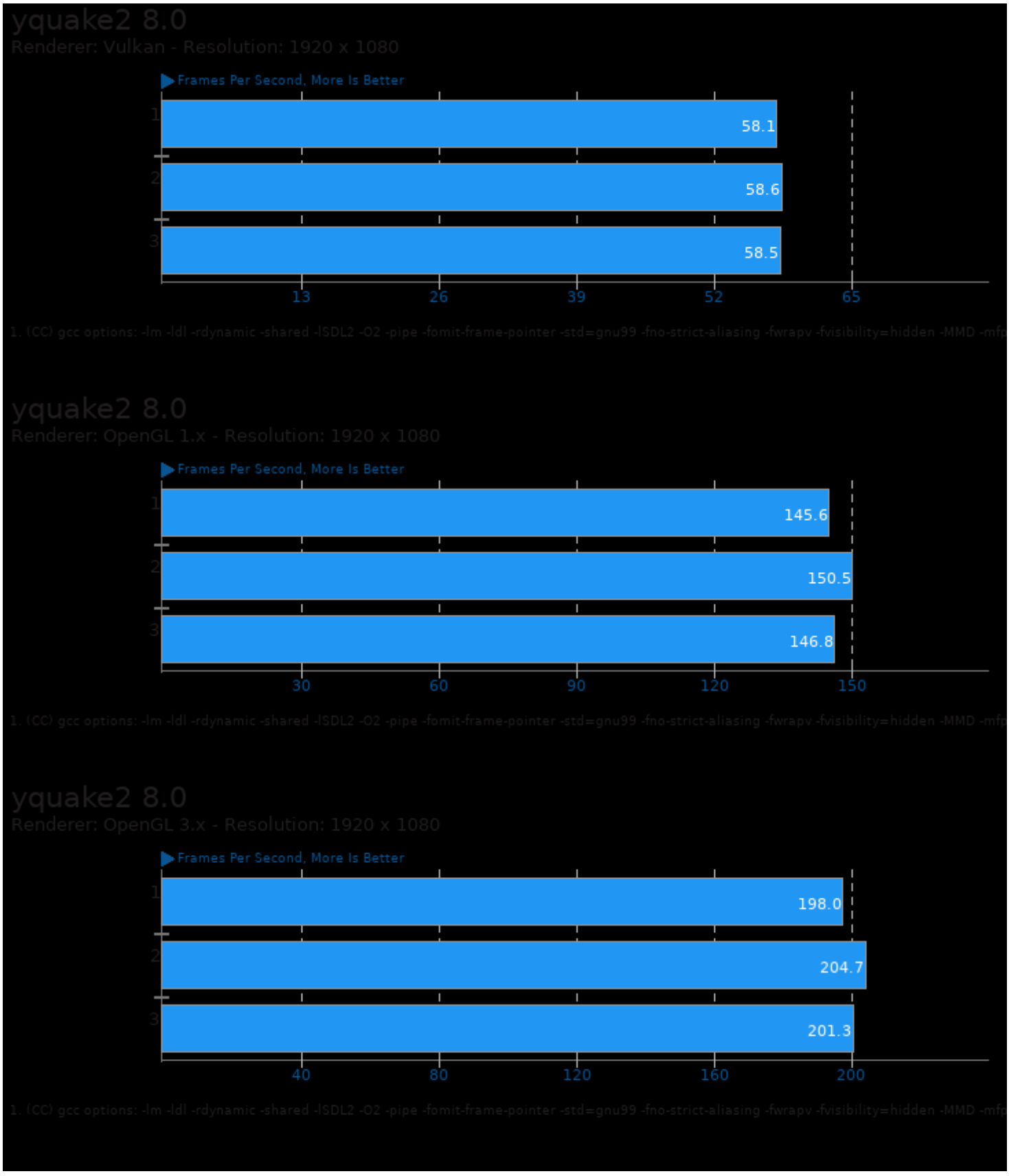
simdjson - Kostya (GB/s)	2.61	2.61	2.61
simdjson - LargeRand (GB/s)	0.86	0.86	0.87
Normalized	98.85%	98.85%	100%
simdjson - PartialTweets (GB/s)	3.62	3.62	3.62
simdjson - DistinctUserID (GB/s)	4.16	4.15	4.15
Normalized	100%	99.76%	99.76%
JPEG XL libjxl - PNG - 5 (MP/s)	27.74	28.1	27.91
Normalized	98.72%	100%	99.32%
JPEG XL libjxl - PNG - 7 (MP/s)	7.05	7.12	7.1
Normalized	99.02%	100%	99.72%
JPEG XL libjxl - PNG - 8 (MP/s)	0.71	0.7	0.7
Normalized	100%	98.59%	98.59%
JPEG XL libjxl - JPEG - 5 (MP/s)	62.9	63.58	63.58
Normalized	98.93%	100%	100%
JPEG XL libjxl - JPEG - 7 (MP/s)	62.39	63.61	63.41
Normalized	98.08%	100%	99.69%
JPEG XL libjxl - JPEG - 8 (MP/s)	24.28	24.43	24.35
Normalized	99.39%	100%	99.67%
JPEG XL Decoding libjxl - 1 (MP/s)	47.43	48.16	48.16
Normalized	98.48%	100%	100%
JPEG XL Decoding libjxl - All (MP/s)	204.7	213.25	212.28
Normalized	95.99%	100%	99.55%
dav1d - Chimera 1080p (FPS)	380.67	383.76	385.68
Normalized	98.7%	99.5%	100%
dav1d - Summer Nature 4K (FPS)	106.01	107.96	107.15
Normalized	98.19%	100%	99.25%
dav1d - S.N.1 (FPS)	358	363.07	363.52
Normalized	98.48%	99.88%	100%
dav1d - C.1.1.b (FPS)	300.26	305.83	306.55
Normalized	97.95%	99.77%	100%
OpenVKL - vklBenchmark ISPC (Items / Sec)	37	37	37
OpenVKL - v.S (Items / Sec)	15	15	15
Timed GCC Compilation - Time To Compile (sec)	1631	1619	
Normalized	99.29%	100%	
Timed Linux Kernel Compilation - Time To Compile (sec)	180.161	180.02	
Normalized	99.92%	100%	
Timed LLVM Compilation - Ninja (sec)	1362	1362	
Normalized	99.96%	100%	
Timed LLVM Compilation - Unix Makefiles	1382	1383	
Normalized	100%	99.92%	
FLAC Audio Encoding - WAV To FLAC (sec)	17.653	17.685	
Normalized	100%	99.82%	
Tachyon - Total Time (sec)	173.1953	172.9697	
Normalized	99.87%	100%	
Google SynthMark - VoiceMark_100 (Voices)	629.665	631.27	
Normalized	99.75%	100%	
Cpuminer-Opt - Magi (kH/s)	143.53	143.63	
Normalized	99.93%	100%	
Cpuminer-Opt - x25x (kH/s)	169.06	168.54	
Normalized	100%	99.69%	

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Cpuminer-Opt - Deepcoin (kH/s)	4252	4236
Normalized	100%	99.62%
Cpuminer-Opt - Ringcoin (kH/s)	1117	1101
Normalized	100%	98.57%
Cpuminer-Opt - Blake-2 S (kH/s)	181110	178430
Normalized	100%	98.52%
Cpuminer-Opt - Garlicoin (kH/s)	1090	1090
Normalized	100%	99.98%
Cpuminer-Opt - Skeincoin (kH/s)	24240	24160
Normalized	100%	99.67%
Cpuminer-Opt - Myriad-Groestl (kH/s)	7388	7246
Normalized	100%	98.08%
Cpuminer-Opt - LBC, LBRY Credits (kH/s)	14140	14150
Normalized	99.93%	100%
Cpuminer-Opt - Q.S.2.P (kH/s)	27220	28920
Normalized	94.12%	100%
Cpuminer-Opt - T.S.2.O (kH/s)	40310	40360
Normalized	99.88%	100%
OpenSSL - SHA256 (byte/s)	1939483530	1938615020
Normalized	100%	99.96%
OpenSSL - RSA4096 (sign/s)	1678	1684
Normalized	99.61%	100%
OpenSSL - RSA4096 (verify/s)	108374	109256
Normalized	99.19%	100%
KeyDB (Ops/sec)	417815	396718
Normalized	100%	94.95%
Stress-NG - MMAP (Bogo Ops/s)	33.29	33.71
Normalized	98.75%	100%
Stress-NG - NUMA (Bogo Ops/s)	120.15	117.35
Normalized	100%	97.67%
Stress-NG - MEMFD (Bogo Ops/s)	255.58	257.77
Normalized	99.15%	100%
Stress-NG - Atomic (Bogo Ops/s)	227655	208334
Normalized	100%	91.51%
Stress-NG - Crypto (Bogo Ops/s)	1273	1273
Normalized	99.96%	100%
Stress-NG - Malloc (Bogo Ops/s)	31126660	31035556
Normalized	100%	99.71%
Stress-NG - RdRand (Bogo Ops/s)	5201	5201
Normalized	100%	100%
Stress-NG - Forking (Bogo Ops/s)	26518	26699
Normalized	99.32%	100%
Stress-NG - SENDFILE (Bogo Ops/s)	61815	62269
Normalized	99.27%	100%
Stress-NG - CPU Cache (Bogo Ops/s)	139.6	132.03
Normalized	100%	94.58%
Stress-NG - CPU Stress (Bogo Ops/s)	8330	8320
Normalized	100%	99.88%
Stress-NG - Semaphores (Bogo Ops/s)	354704	353834
Normalized	100%	99.75%
Stress-NG - Matrix Math (Bogo Ops/s)	21620	21579
Normalized	100%	99.81%
Stress-NG - Vector Math (Bogo Ops/s)	13251	13252

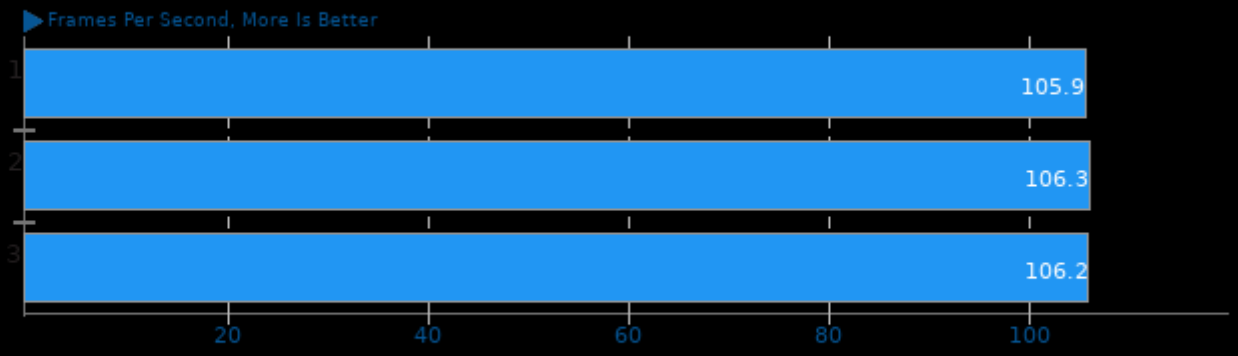
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Normalized	100%	100%
Stress-NG - Memory Copying (Bogo Ops/s)	**1961**	**1362**
Normalized	100%	69.44%
Stress-NG - Socket Activity (Bogo Ops/s)	**5469**	**4550**
Normalized	100%	83.2%
Stress-NG - Context Switching (Bogo Ops/s)	**1789244**	**1803774**
Normalized	99.19%	100%
Stress-NG - G.C.S.F (Bogo Ops/s)	**312863**	**315298**
Normalized	99.23%	100%
Stress-NG - G.Q.D.S (Bogo Ops/s)	**80.07**	**80.1**
Normalized	99.96%	100%
Stress-NG - S.V.M.P (Bogo Ops/s)	**3331463**	**3329173**
Normalized	100%	99.93%
ECP-CANDLE - P1B2 (sec)	**45.868**	**44.999**
Normalized	98.11%	100%
ECP-CANDLE - P3B1 (sec)	**1016**	**1018**
Normalized	100%	99.79%
nginx - 1 (Reqs/sec)	**16719**	**16371**
Normalized	100%	97.92%
nginx - 20 (Reqs/sec)	**241614**	**242060**
Normalized	99.82%	100%
nginx - 100 (Reqs/sec)	**230205**	**230444**
Normalized	99.9%	100%
nginx - 200 (Reqs/sec)	**233043**	**232477**
Normalized	100%	99.76%
nginx - 500 (Reqs/sec)	**226840**	**224736**
Normalized	100%	99.07%
nginx - 1000 (Reqs/sec)	**220636**	**220828**
Normalized	99.91%	100%
Apache HTTP Server - 1 (Reqs/sec)	**1741**	**1754**
Normalized	99.29%	100%
Apache HTTP Server - 20 (Reqs/sec)	**41985**	**41614**
Normalized	100%	99.12%
Apache HTTP Server - 100 (Reqs/sec)	**45758**	**44695**
Normalized	100%	97.68%
Apache HTTP Server - 200 (Reqs/sec)	**47345**	**47363**
Normalized	99.96%	100%
Apache HTTP Server - 500 (Reqs/sec)	**44017**	**43391**
Normalized	100%	98.58%
Apache HTTP Server - 1000 (Reqs/sec)	**43580**	**42818**
Normalized	100%	98.25%


yquake2 8.0
Renderer: Vulkan - Resolution: 1920 x 1080
Frames Per Second, More Is Better
1
2
3
58.1
58.6
58.5
13
26
39
52
65
1. (CC) gcc options: -lm -ldl -rdynamic -shared -lSDL2 -O2 -pipe -fomit-frame-pointer -std=gnu99 -fno-strict-aliasing -fwrapv -fvisibility=hidden -MMD -mf
yquake2 8.0
Renderer: OpenGL 1.x - Resolution: 1920 x 1080
Frames Per Second, More Is Better
1
2
3
145.6
150.5
146.8
30
60
90
120
150
1. (CC) gcc options: -lm -ldl -rdynamic -shared -lSDL2 -O2 -pipe -fomit-frame-pointer -std=gnu99 -fno-strict-aliasing -fwrapv -fvisibility=hidden -MMD -mf
yquake2 8.0
Renderer: OpenGL 3.x - Resolution: 1920 x 1080
Frames Per Second, More Is Better
1
2
3
198.0
204.7
201.3
40
80
120
160
200
1. (CC) gcc options: -lm -ldl -rdynamic -shared -lSDL2 -O2 -pipe -fomit-frame-pointer -std=gnu99 -fno-strict-aliasing -fwrapv -fvisibility=hidden -MMD -mf

yquake2 8.0

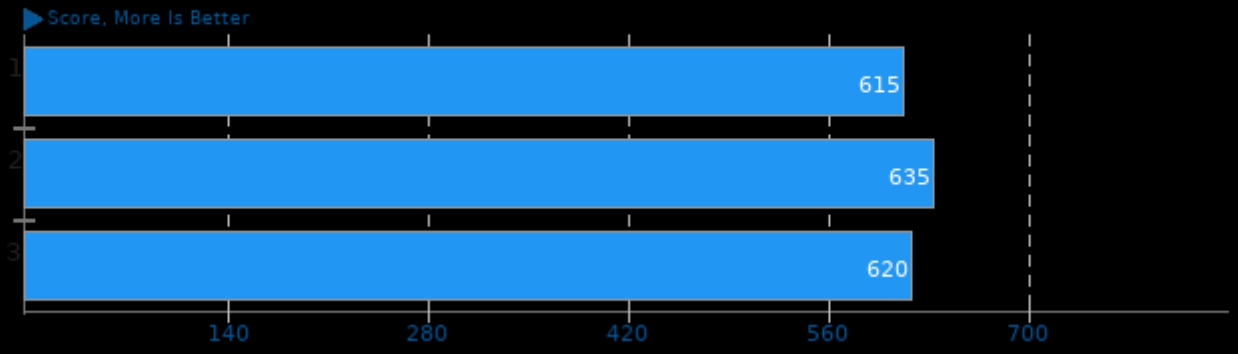
Renderer: Software CPU - Resolution: 1920 x 1080



1. (CC) gcc options: -lm -ldl -rdynamic -shared -lSDL2 -O2 -pipe -fomit-frame-pointer -std=gnu99 -fno-strict-aliasing -fwrapv -fvisibility=hidden -MMD -mf

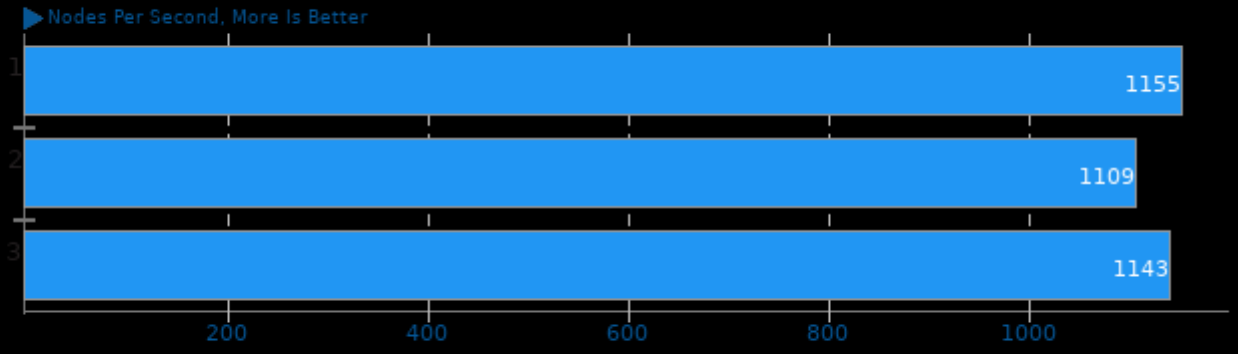
GLmark2 2021.08.30

Resolution: 1920 x 1080



LeelaChessZero 0.28

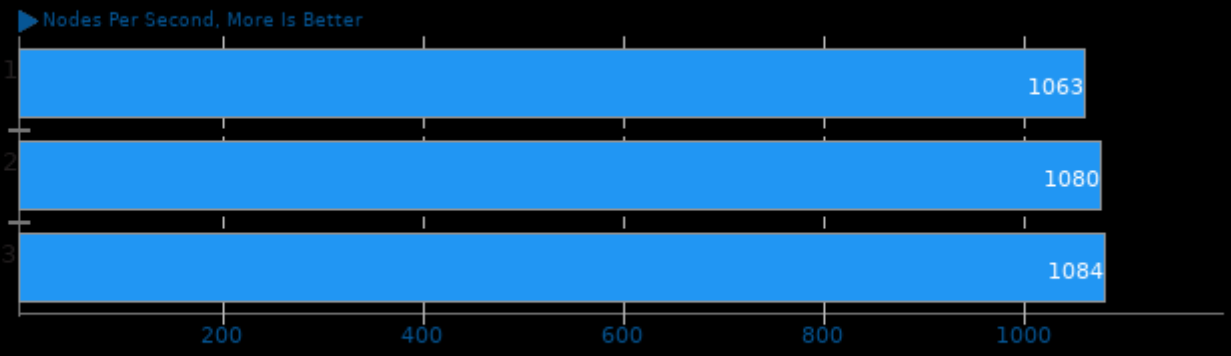
Backend: BLAS



1. (CXX) g++ options: -flto -pthread

LeelaChessZero 0.28

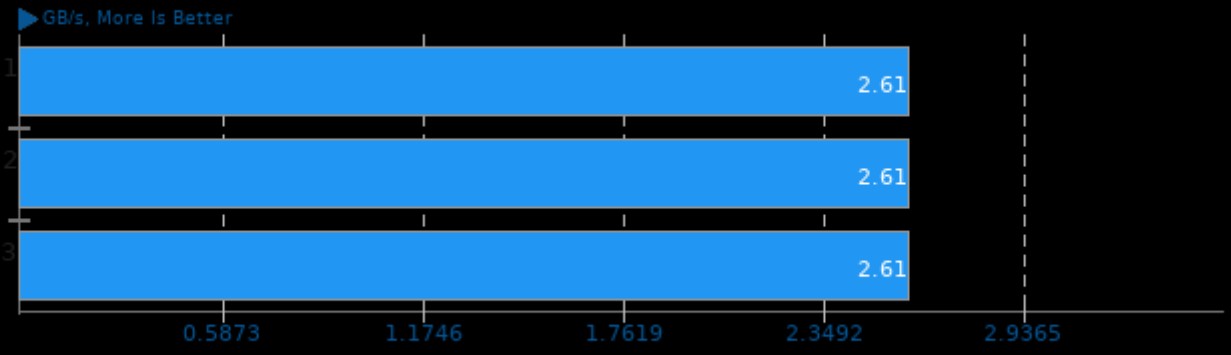
Backend: Eigen



1. (CXX) g++ options: -flto -pthread

simdjson 1.0

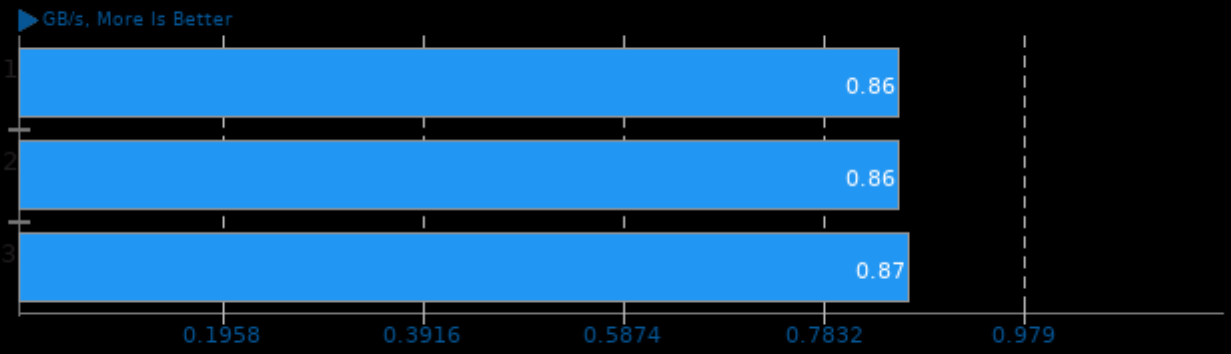
Throughput Test: Kostya



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

simdjson 1.0

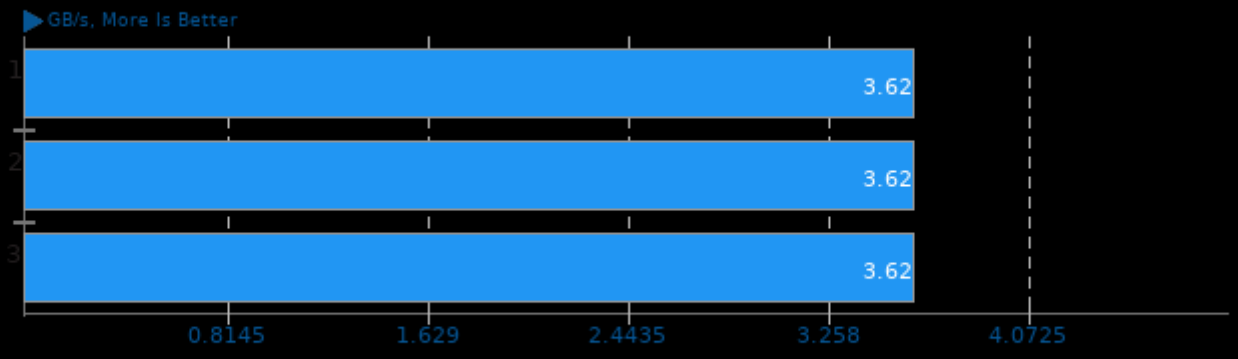
Throughput Test: LargeRandom



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

simdjson 1.0

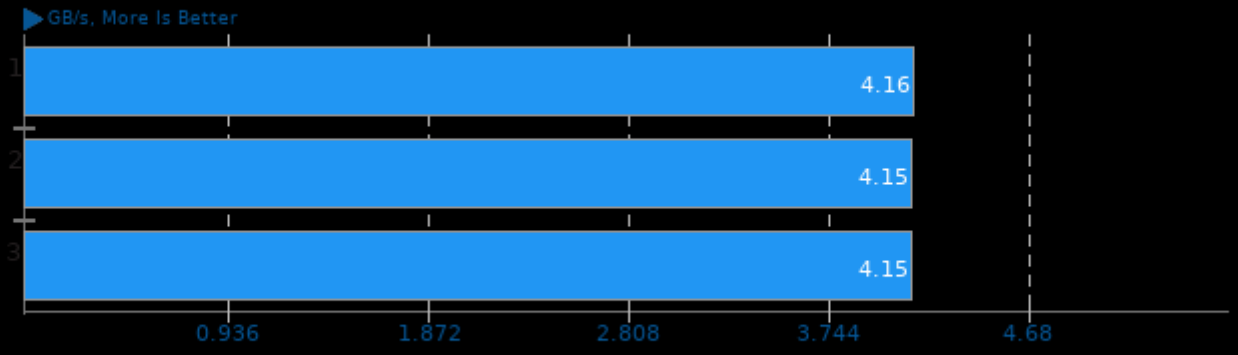
Throughput Test: PartialTweets



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

simdjson 1.0

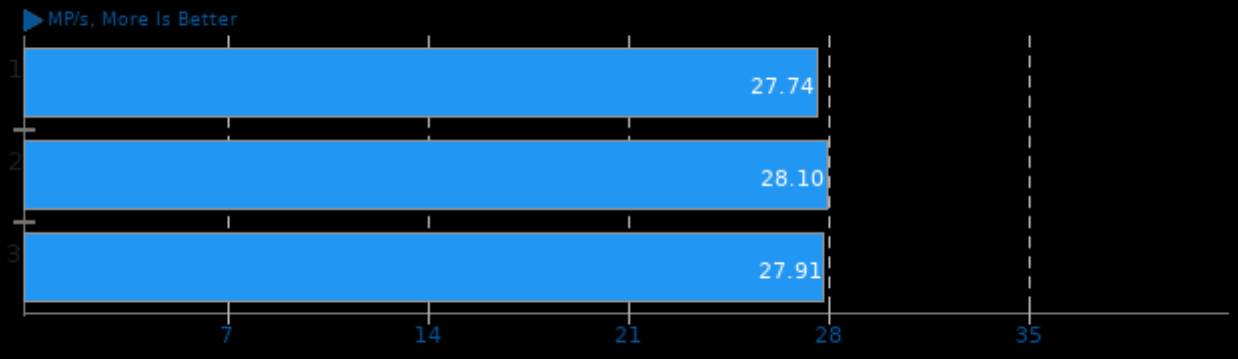
Throughput Test: DistinctUserID



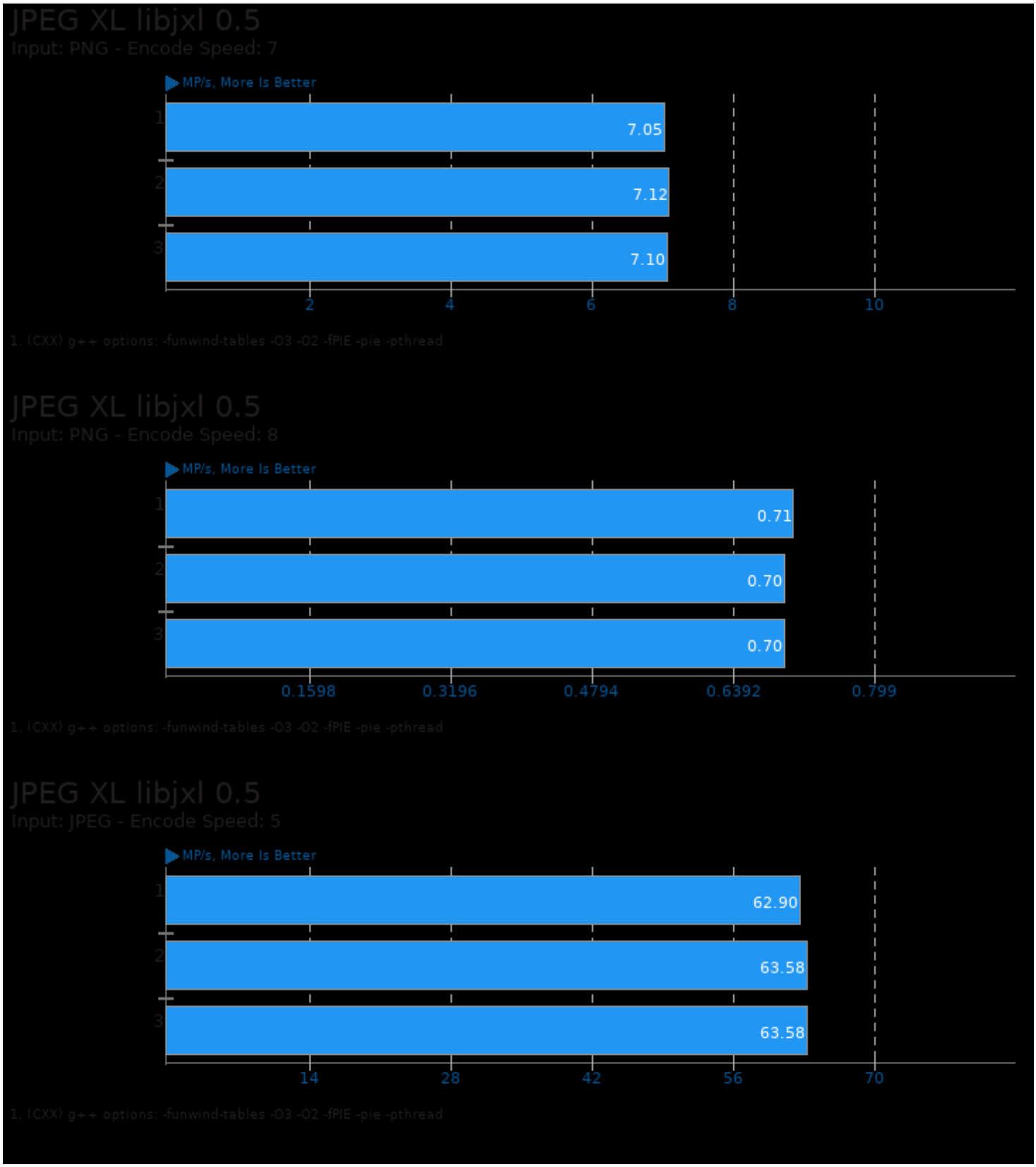
1. (CXX) g++ options: -O3 -pthread

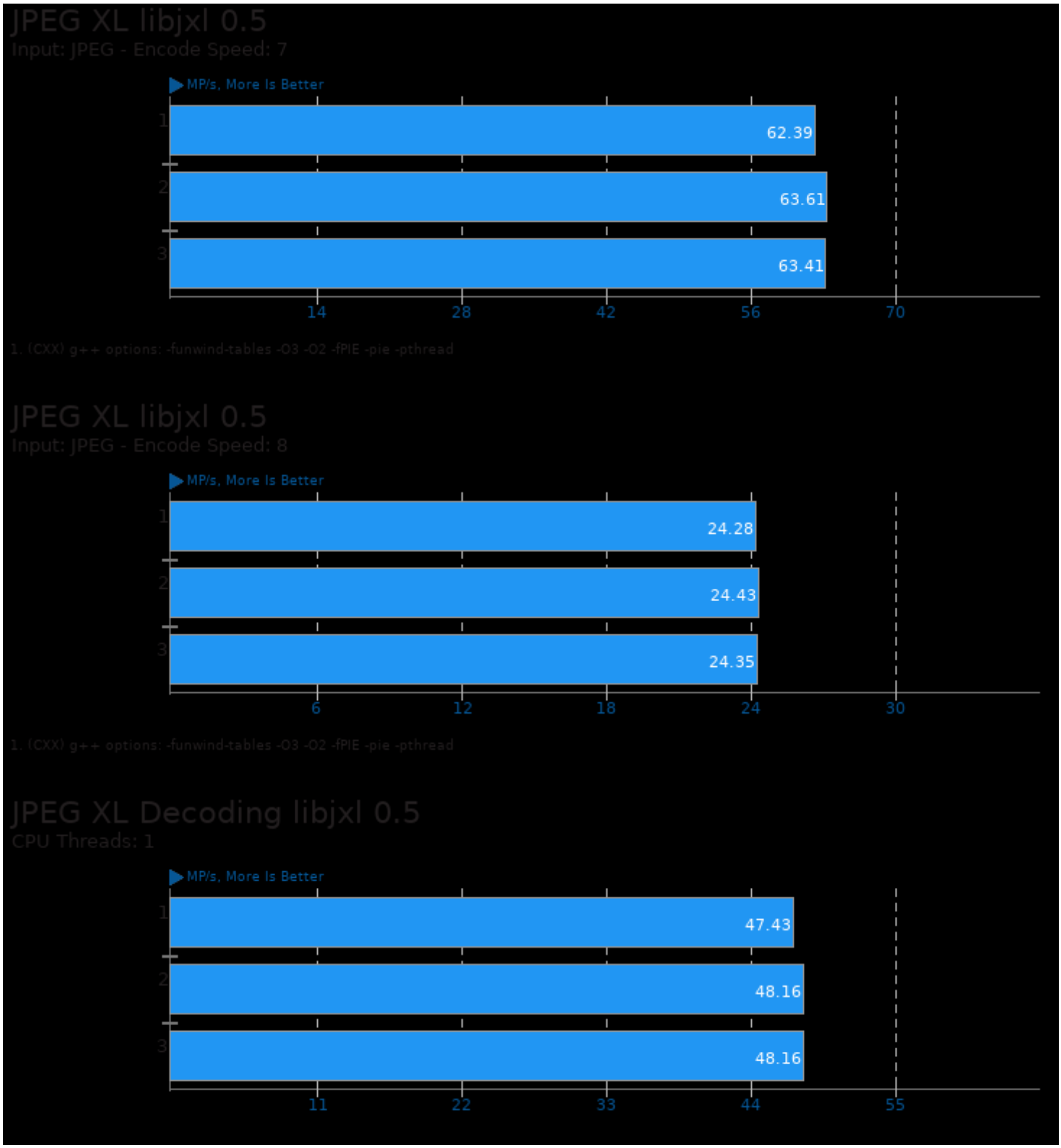
JPEG XL libjxl 0.5

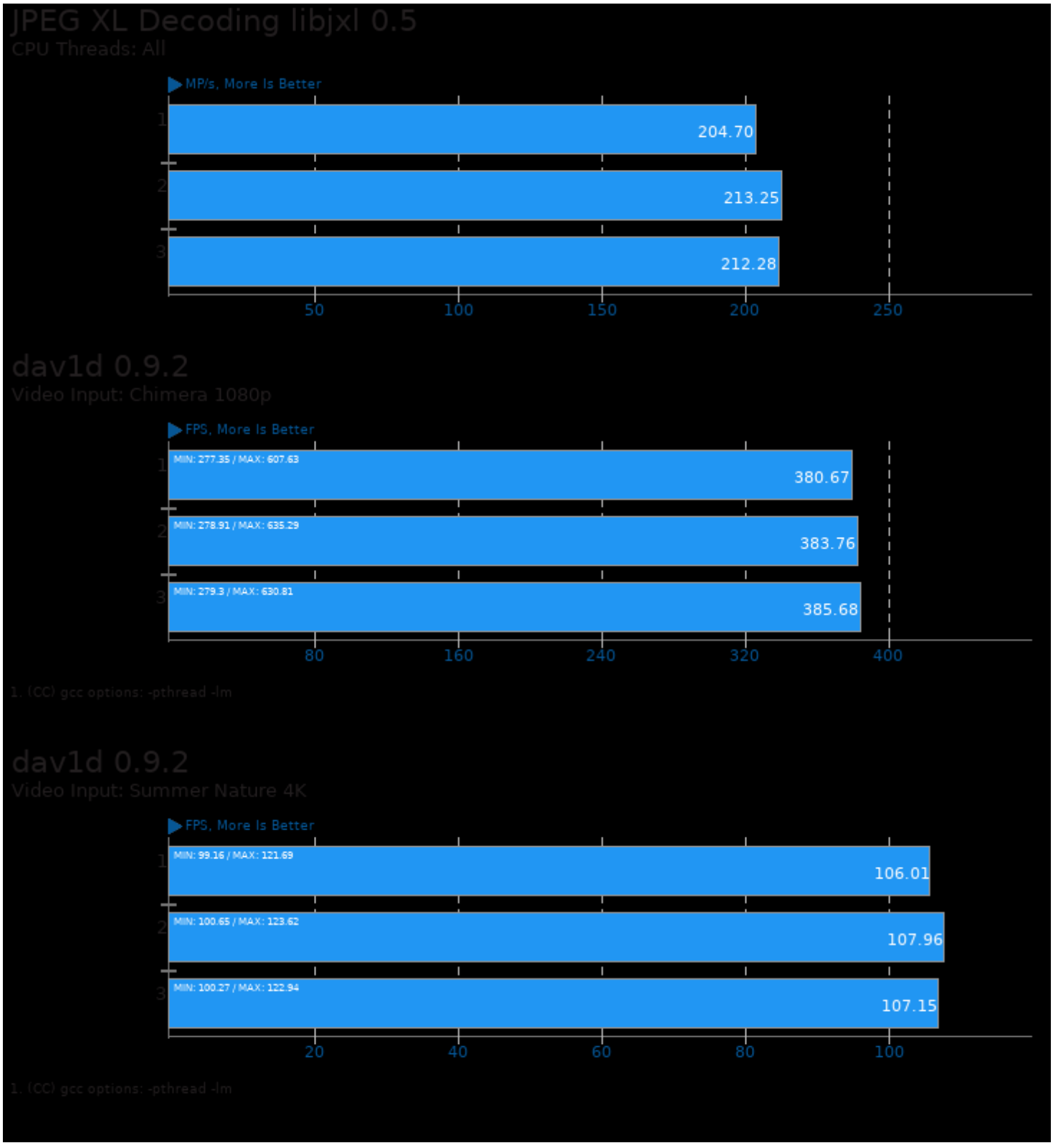
Input: PNG - Encode Speed: 5

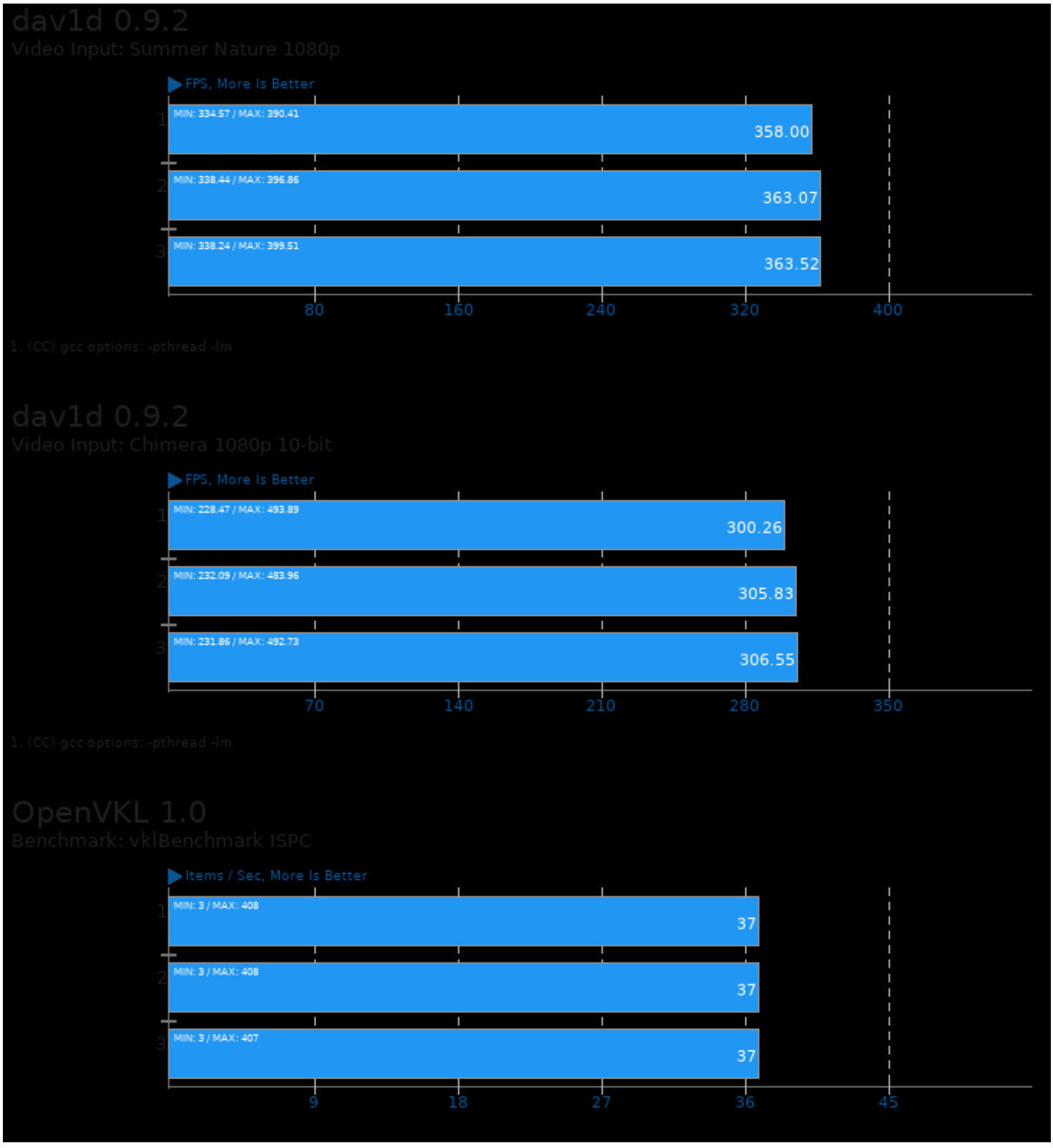


1. (CXX) g++ options: -funwind-tables -O3 -O2 -fPIE -pie -pthread


JPEG XL libjxl 0.5
Input: PNG - Encode Speed: 7
MP/s, More Is Better
1
2
3
7.05
7.12
7.10
2
4
6
8
10
1. (CXX) g++ options: -funwind-tables -O3 -O2 -fPIE -pie -pthread
JPEG XL libjxl 0.5
Input: PNG - Encode Speed: 8
MP/s, More Is Better
1
2
3
0.71
0.70
0.70
0.1598
0.3196
0.4794
0.6392
0.799
1. (CXX) g++ options: -funwind-tables -O3 -O2 -fPIE -pie -pthread
JPEG XL libjxl 0.5
Input: JPEG - Encode Speed: 5
MP/s, More Is Better
1
2
3
62.90
63.58
63.58
14
28
42
56
70
1. (CXX) g++ options: -funwind-tables -O3 -O2 -fPIE -pie -pthread

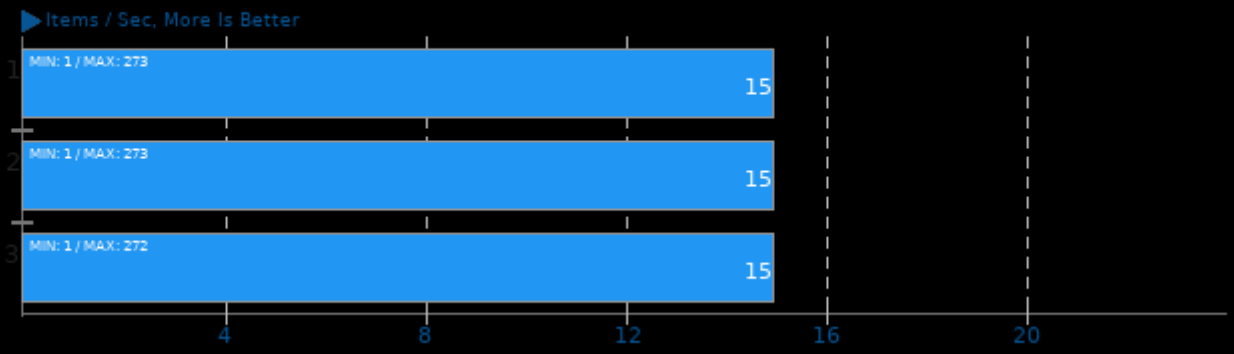

JPEG XL libjxl 0.5
Input: JPEG - Encode Speed: 7
MP/s, More Is Better
1
2
3
62.39
63.61
63.41
14
28
42
56
70
1. (CXX) g++ options: -funwind-tables -O3 -O2 -fPIE -pie -pthread
JPEG XL libjxl 0.5
Input: JPEG - Encode Speed: 8
MP/s, More Is Better
1
2
3
24.28
24.43
24.35
6
12
18
24
30
1. (CXX) g++ options: -funwind-tables -O3 -O2 -fPIE -pie -pthread
JPEG XL Decoding libjxl 0.5
CPU Threads: 1
MP/s, More Is Better
1
2
3
47.43
48.16
48.16
11
22
33
44
55


JPEG XL Decoding libjxl 0.5
CPU Threads: All
MP/s, More Is Better
1
204.70
2
213.25
3
212.28
50
100
150
200
250
dav1d 0.9.2
Video Input: Chimera 1080p
FPS, More Is Better
1
MIN: 277.35 / MAX: 607.63
380.67
2
MIN: 278.91 / MAX: 635.29
383.76
3
MIN: 279.3 / MAX: 630.81
385.68
80
160
240
320
400
1. (CC) gcc options: -pthread -lm
dav1d 0.9.2
Video Input: Summer Nature 4K
FPS, More Is Better
1
MIN: 99.16 / MAX: 121.69
106.01
2
MIN: 100.65 / MAX: 123.62
107.96
3
MIN: 100.27 / MAX: 122.94
107.15
20
40
60
80
100
1. (CC) gcc options: -pthread -lm


dav1d 0.9.2
Video Input: Summer Nature 1080p
FPS, More Is Better
1
MIN: 334.57 / MAX: 390.41
358.00
2
MIN: 338.44 / MAX: 396.86
363.07
3
MIN: 338.24 / MAX: 399.51
363.52
80
160
240
320
400
1. (CC) gcc options: -pthread -lm
dav1d 0.9.2
Video Input: Chimera 1080p 10-bit
FPS, More Is Better
1
MIN: 228.47 / MAX: 493.89
300.26
2
MIN: 232.09 / MAX: 483.96
305.83
3
MIN: 231.86 / MAX: 492.73
306.55
70
140
210
280
350
1. (CC) gcc options: -pthread -lm
OpenVKL 1.0
Benchmark: vklBenchmark ISPC
Items / Sec, More Is Better
1
MIN: 3 / MAX: 408
37
2
MIN: 3 / MAX: 408
37
3
MIN: 3 / MAX: 407
37
9
18
27
36
45

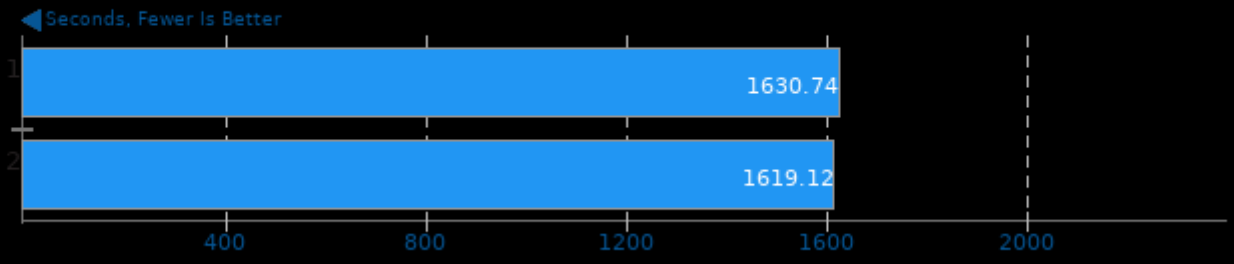
OpenVKL 1.0

Benchmark: vklBenchmark Scalar



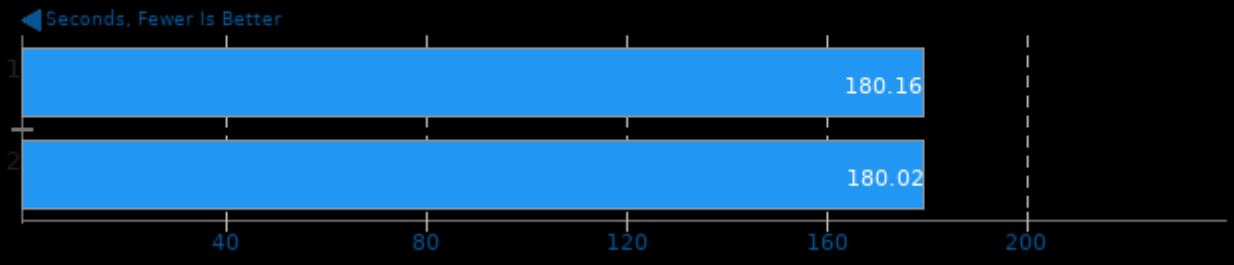
Timed GCC Compilation 11.2.0

Time To Compile



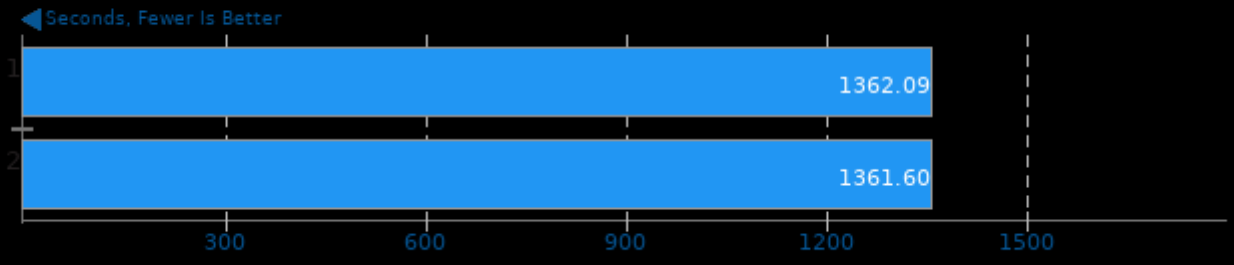
Timed Linux Kernel Compilation 5.14

Time To Compile



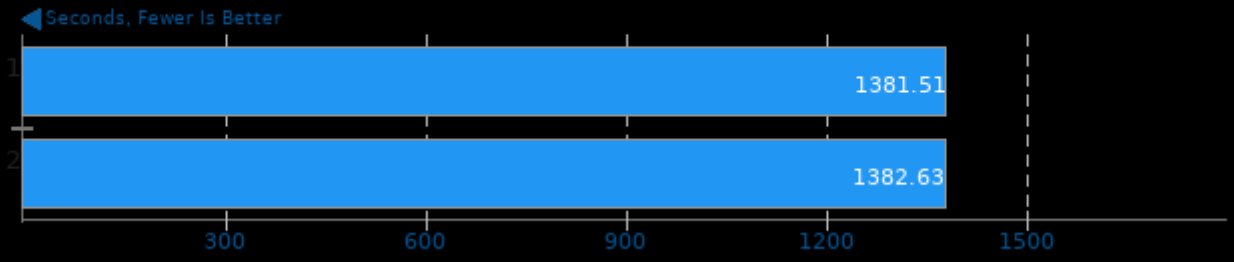
Timed LLVM Compilation 13.0

Build System: Ninja



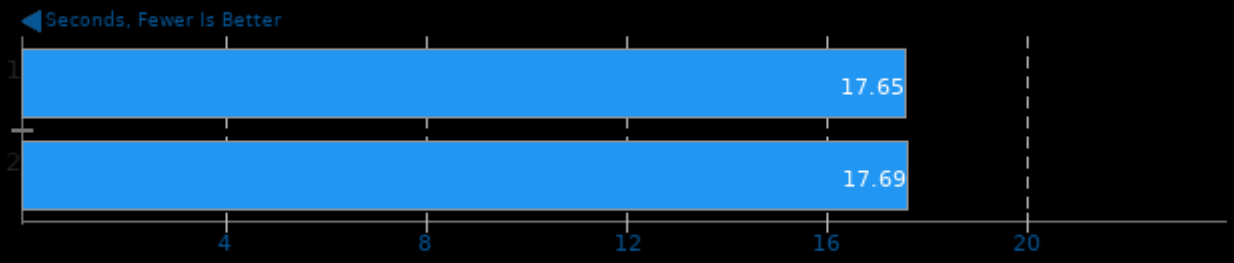
Timed LLVM Compilation 13.0

Build System: Unix Makefiles



FLAC Audio Encoding 1.3.3

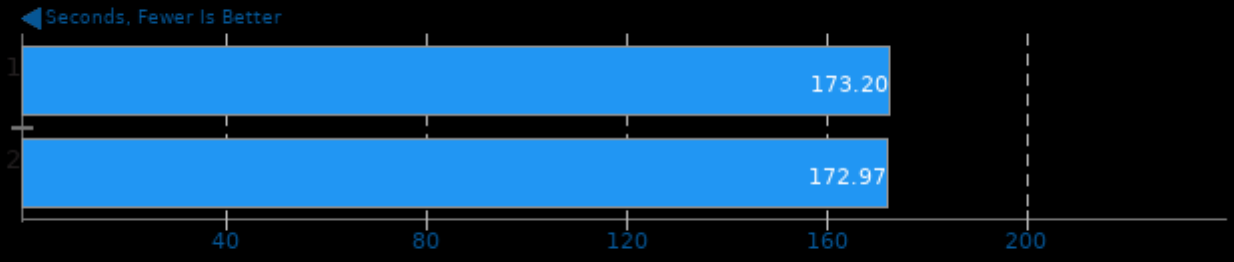
WAV To FLAC



1. (CXX) g++ options: -fvisibility=hidden -logg -lm

Tachyon 0.99b6

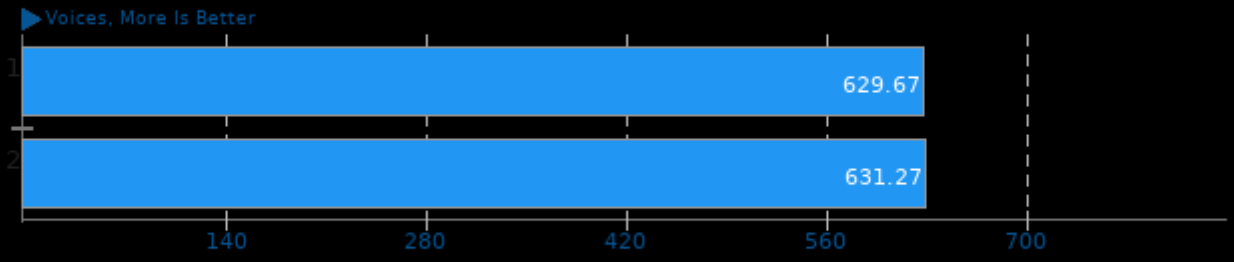
Total Time



1. (CC) gcc options: -m64 -O3 -fomit-frame-pointer -ffast-math -ltachyon -lm -lpthread

Google SynthMark 20201109

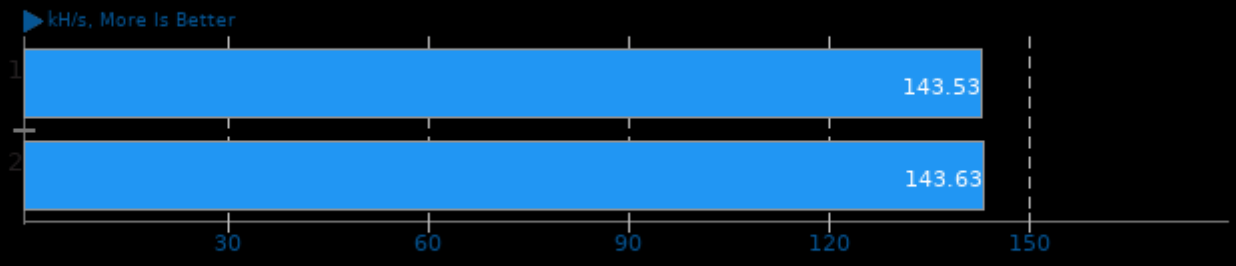
Test: VoiceMark_100



1. (CXX) g++ options: -lm -lpthread -std=c++11 -Ofast

Cpuminer-Opt 3.18

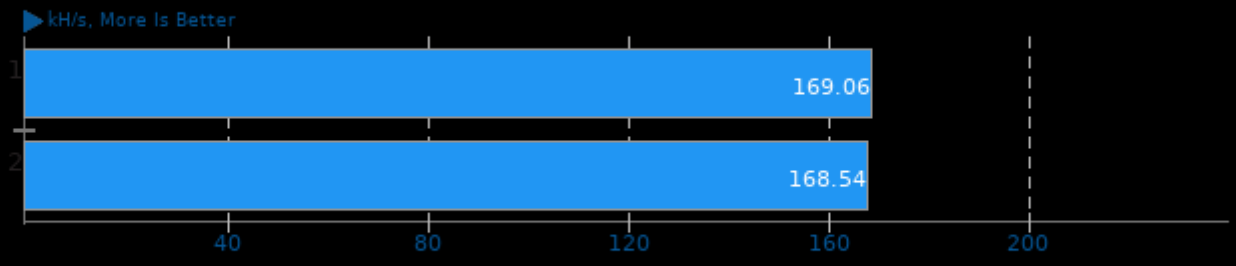
Algorithm: Magi



1. (CXX) g++ options: -O2 -lcurl -lz -lpthread -lssl -lcrypto -lgmp

Cpuminer-Opt 3.18

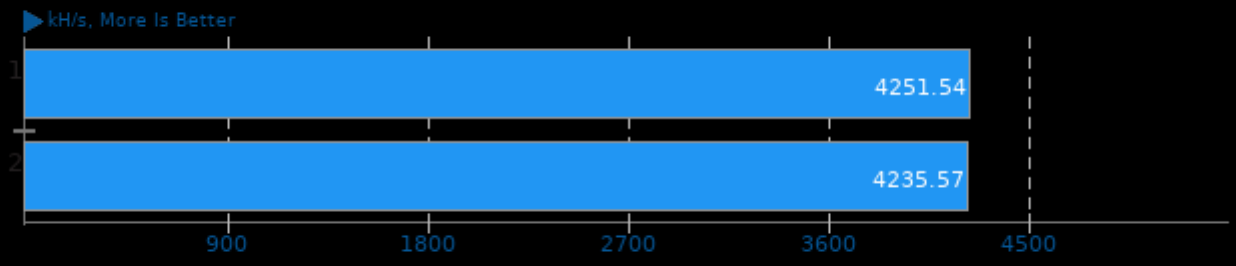
Algorithm: x25x



1. (CXX) g++ options: -O2 -lcurl -lz -lpthread -lssl -lcrypto -lgmp

Cpuminer-Opt 3.18

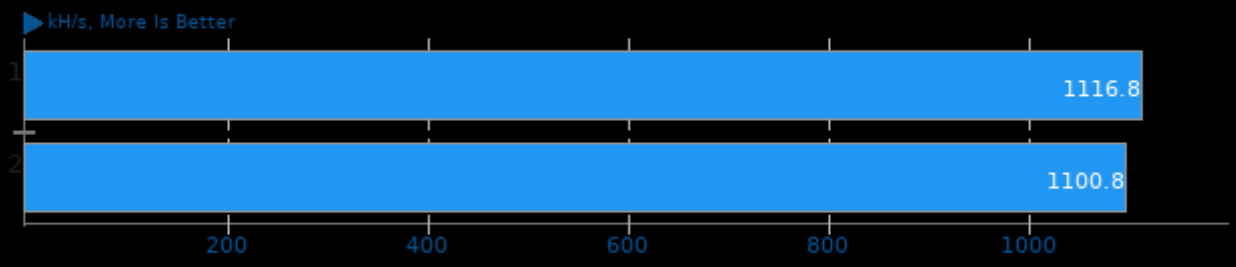
Algorithm: Deepcoin



1. (CXX) g++ options: -O2 -lcurl -lz -lpthread -lssl -lcrypto -lgmp

Cpuminer-Opt 3.18

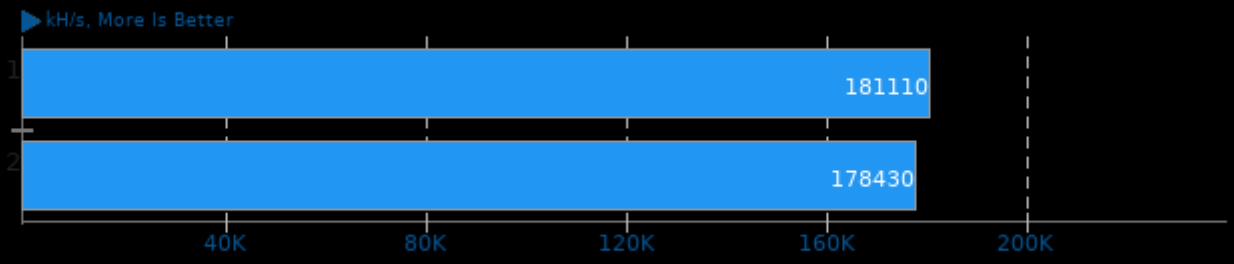
Algorithm: Ringcoin



1. (CXX) g++ options: -O2 -lcurl -lz -lpthread -lssl -lcrypto -lgmp

Cpuminer-Opt 3.18

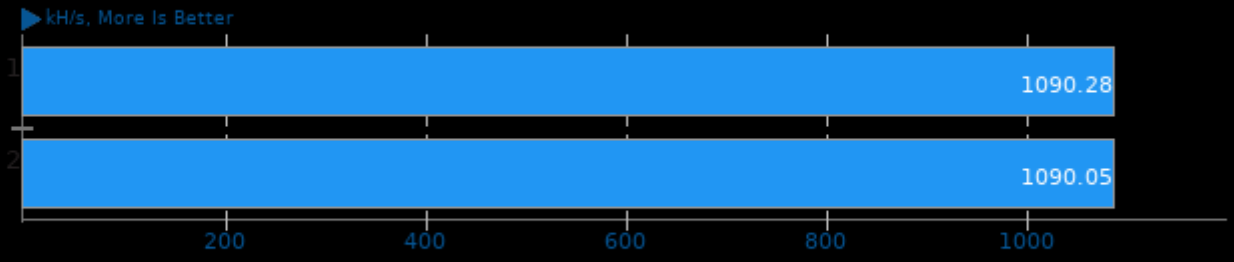
Algorithm: Blake-2 S



1. (CXX) g++ options: -O2 -lcurl -lz -lpthread -lssl -lcrypto -lgmp

Cpuminer-Opt 3.18

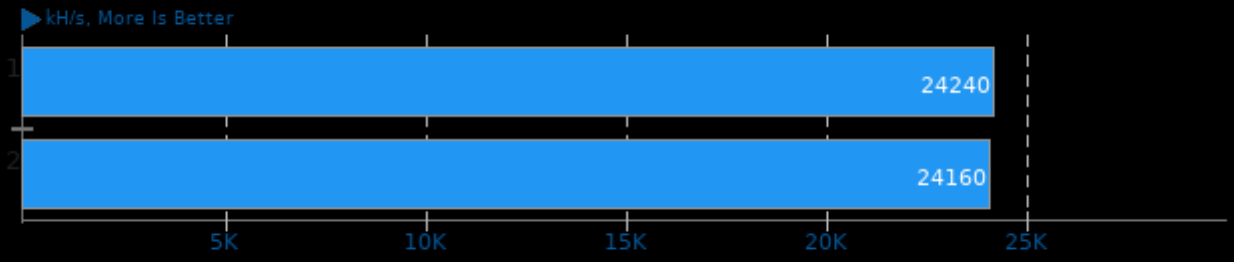
Algorithm: Garlicoin



1. (CXX) g++ options: -O2 -lcurl -lz -lpthread -lssl -lcrypto -lgmp

Cpuminer-Opt 3.18

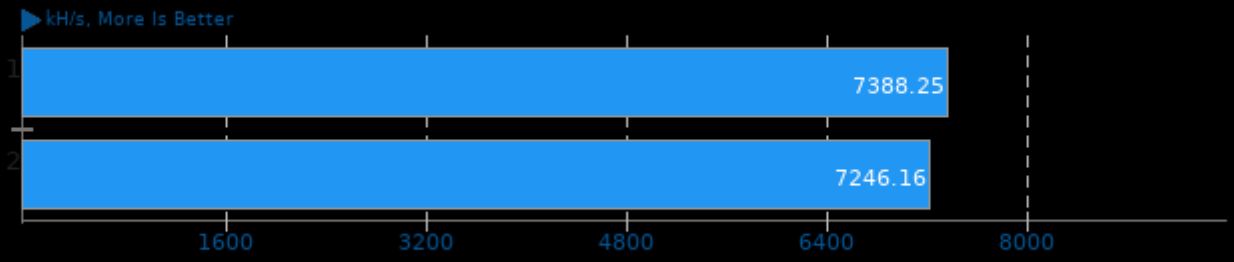
Algorithm: Skeincoin



1. (CXX) g++ options: -O2 -lcurl -lz -lpthread -lssl -lcrypto -lgmp

Cpuminer-Opt 3.18

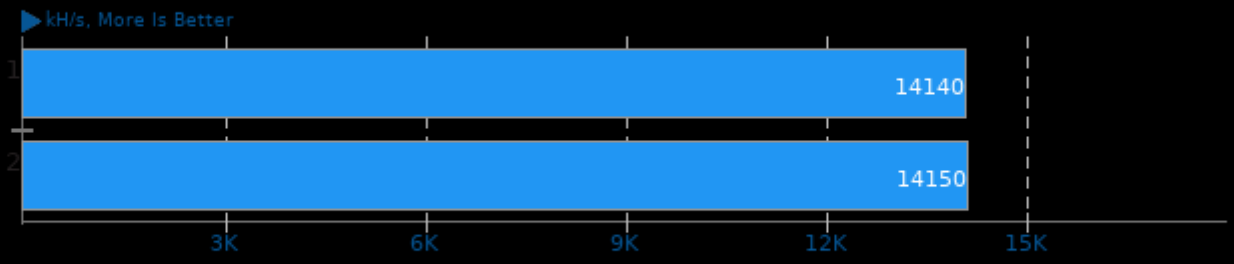
Algorithm: Myriad-Groestl



1. (CXX) g++ options: -O2 -lcurl -lz -lpthread -lssl -lcrypto -lgmp

Cpuminer-Opt 3.18

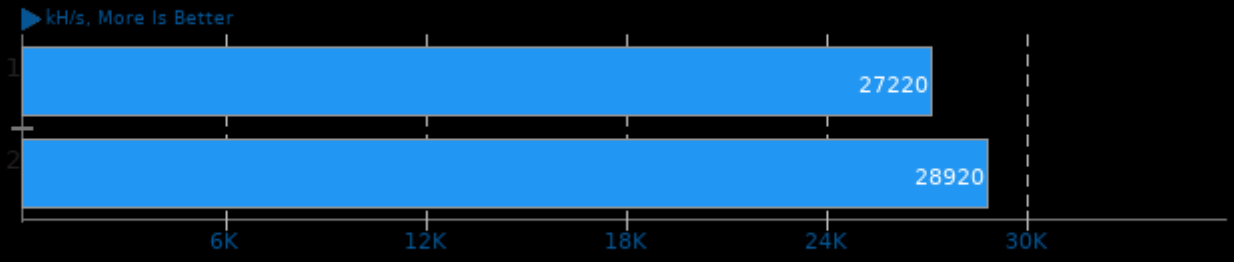
Algorithm: LBC, LBRY Credits



1. (CXX) g++ options: -O2 -lcurl -lz -lpthread -lssl -lcrypto -lgmp

Cpuminer-Opt 3.18

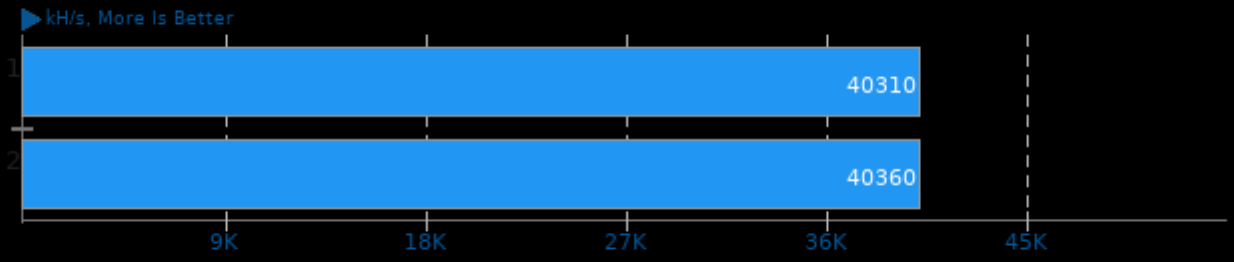
Algorithm: Quad SHA-256, Pyrite



1. (CXX) g++ options: -O2 -lcurl -lz -lpthread -lssl -lcrypto -lgmp

Cpuminer-Opt 3.18

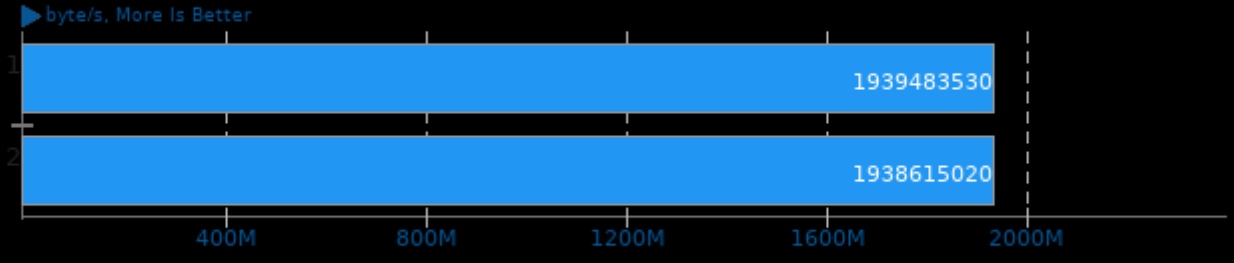
Algorithm: Triple SHA-256, Onecoin



1. (CXX) g++ options: -O2 -lcurl -lz -lpthread -lssl -lcrypto -lgmp

OpenSSL 3.0

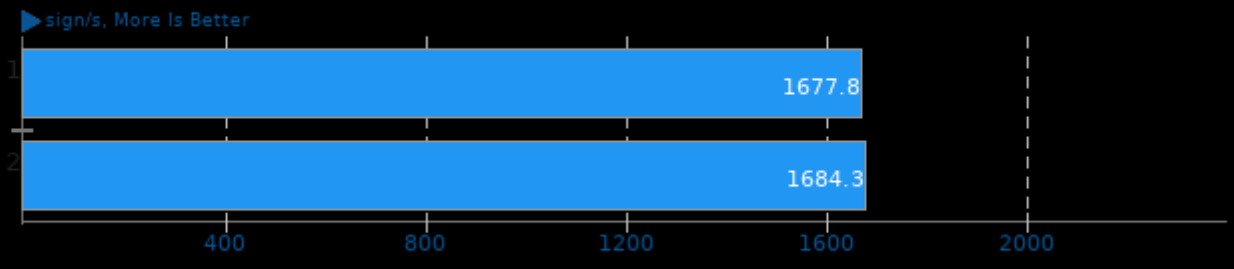
Algorithm: SHA256



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

OpenSSL 3.0

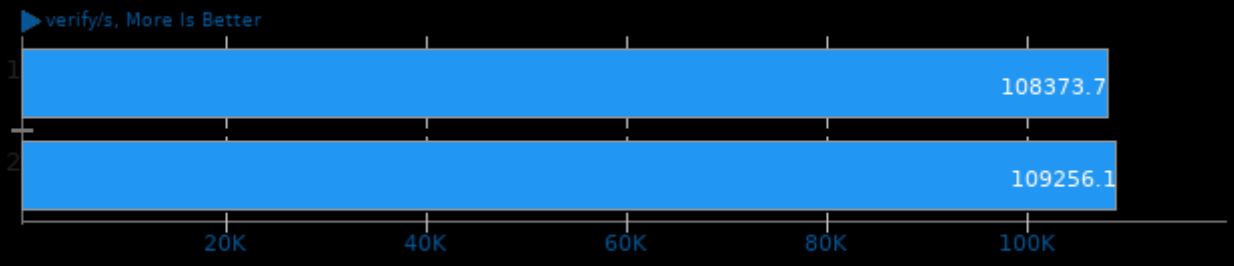
Algorithm: RSA4096



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

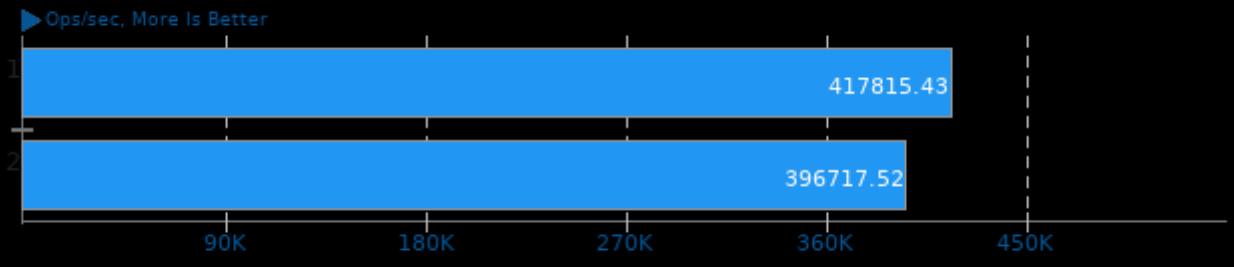
OpenSSL 3.0

Algorithm: RSA4096



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

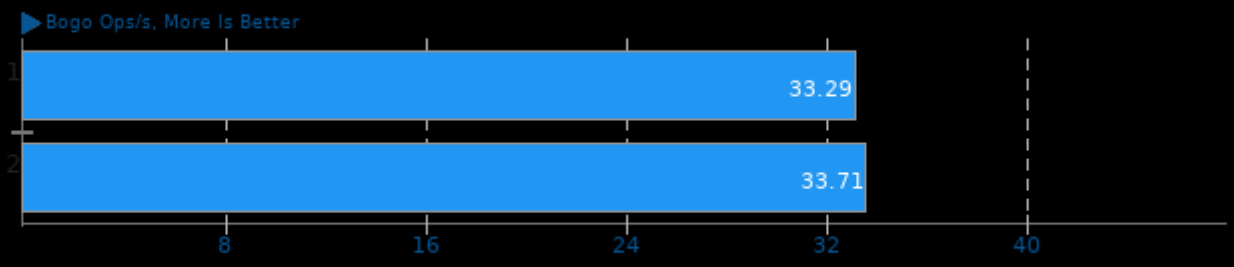
KeyDB 6.2.0



1. (CXX) g++ options: -O2 -levent_openssl -levent -lcrypto -lssl -lpthread -lz -lpcre

Stress-NG 0.13.02

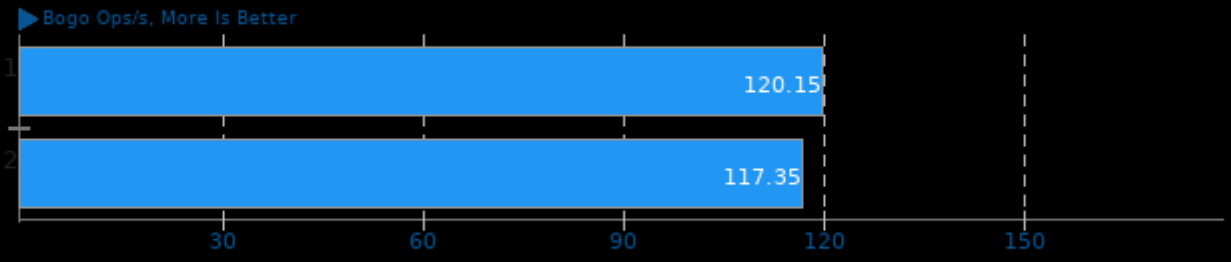
Test: MMAP



1. (CC) gcc options: -O2 -std=gnu99 -lm -laio -lbsd -lcrypt -lrt -lsctp -lz -ldl -pthread -lc -latomic

Stress-NG 0.13.02

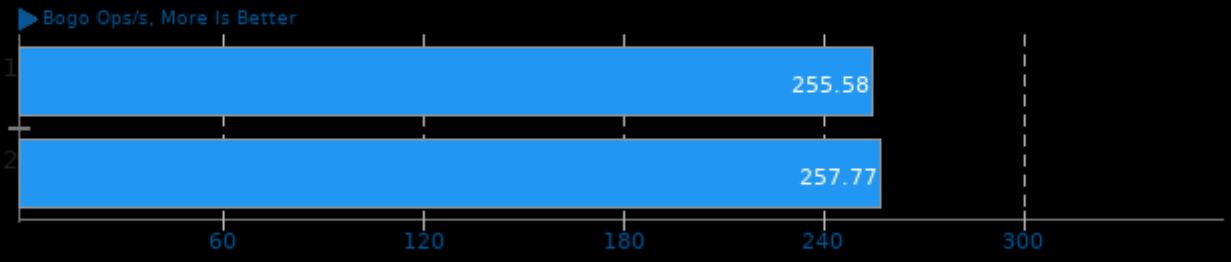
Test: NUMA



1. (CC) gcc options: -O2 -std=gnu99 -lm -laio -lbsd -lcrypt -lrt -lsctp -lz -ldl -pthread -lc -latomic

Stress-NG 0.13.02

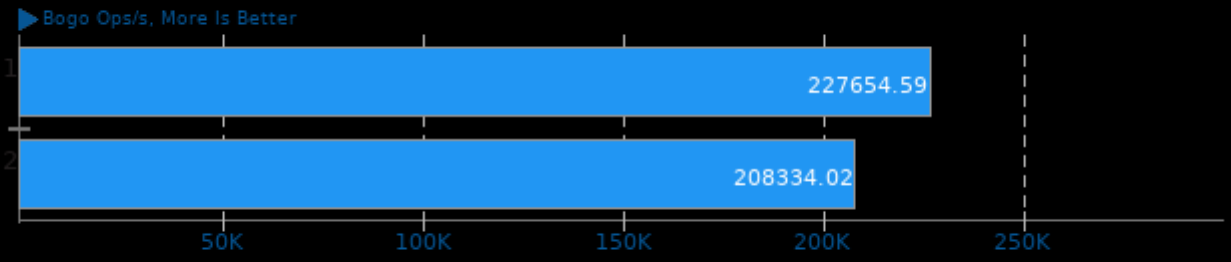
Test: MEMFD



1. (CC) gcc options: -O2 -std=gnu99 -lm -laio -lbsd -lcrypt -lrt -lsctp -lz -ldl -pthread -lc -latomic

Stress-NG 0.13.02

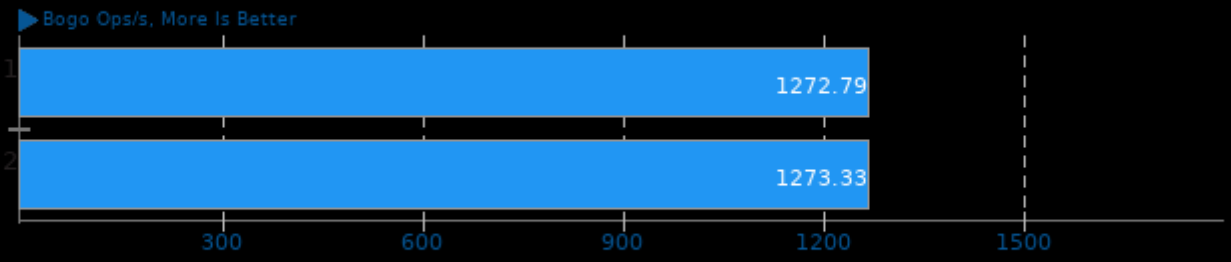
Test: Atomic



1. (CC) gcc options: -O2 -std=gnu99 -lm -laio -lbsd -lcrypt -lrt -lsctp -lz -ldl -pthread -lc -latomic

Stress-NG 0.13.02

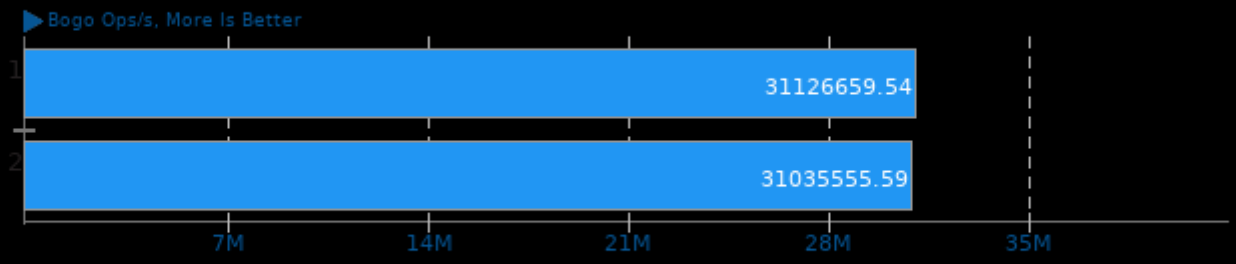
Test: Crypto



1. (CC) gcc options: -O2 -std=gnu99 -lm -laio -lbsd -lcrypt -lrt -lsctp -lz -ldl -pthread -lc -latomic

Stress-NG 0.13.02

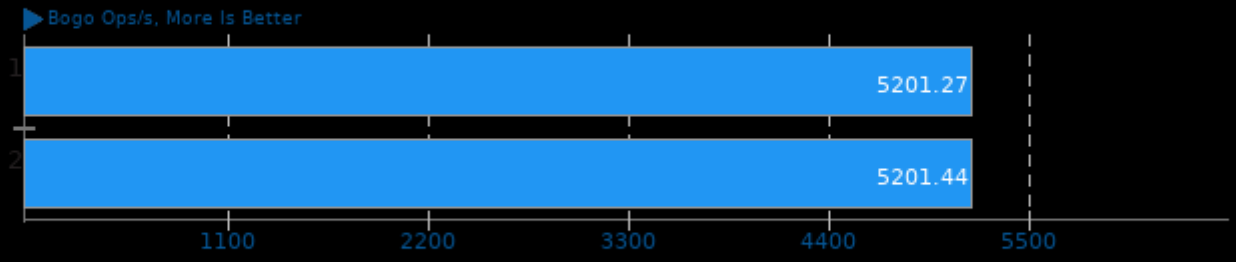
Test: Malloc



1. (CC) gcc options: -O2 -std=gnu99 -lm -laio -lbsd -lcrypt -lrt -lsctp -lz -ldl -pthread -lc -latomic

Stress-NG 0.13.02

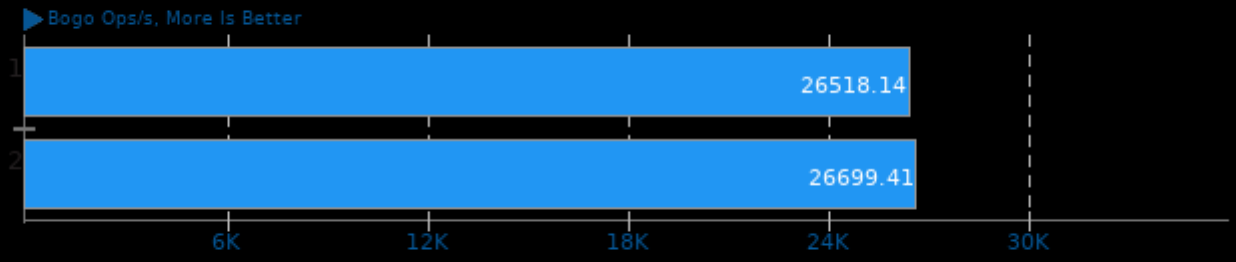
Test: RdRand



1. (CC) gcc options: -O2 -std=gnu99 -lm -laio -lbsd -lcrypt -lrt -lsctp -lz -ldl -pthread -lc -latomic

Stress-NG 0.13.02

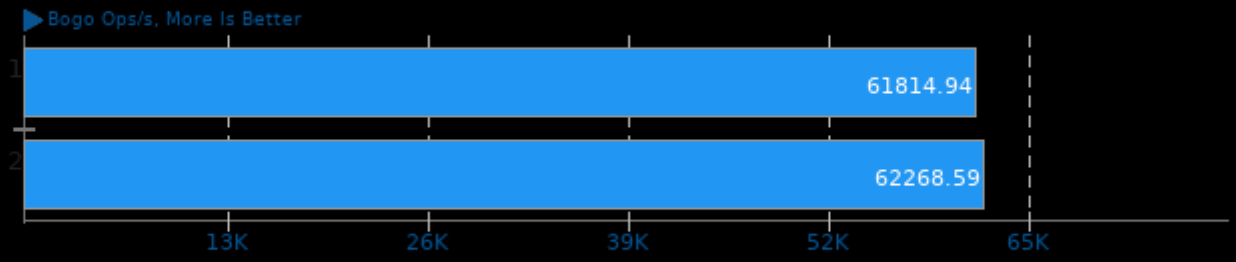
Test: Forking



1. (CC) gcc options: -O2 -std=gnu99 -lm -laio -lbsd -lcrypt -lrt -lsctp -lz -ldl -pthread -lc -latomic

Stress-NG 0.13.02

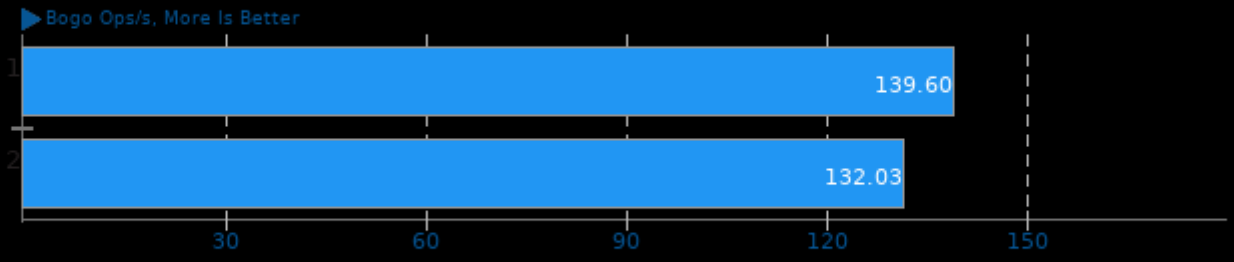
Test: SENDFILE



1. (CC) gcc options: -O2 -std=gnu99 -lm -laio -lbsd -lcrypt -lrt -lsctp -lz -ldl -pthread -lc -latomic

Stress-NG 0.13.02

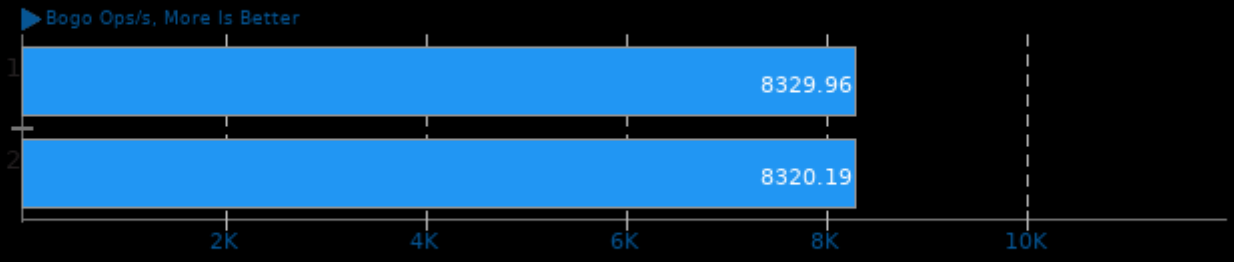
Test: CPU Cache



1. (CC) gcc options: -O2 -std=gnu99 -lm -laio -lbsd -lcrypt -lrt -lsctp -lz -ldl -pthread -lc -latomic

Stress-NG 0.13.02

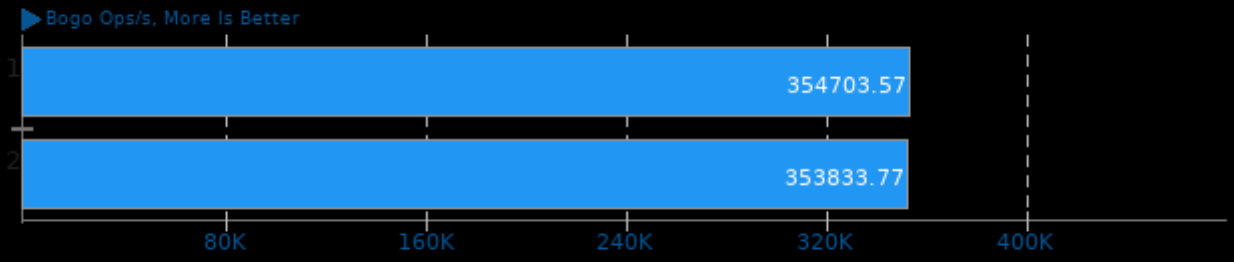
Test: CPU Stress



1. (CC) gcc options: -O2 -std=gnu99 -lm -laio -lbsd -lcrypt -lrt -lsctp -lz -ldl -pthread -lc -latomic

Stress-NG 0.13.02

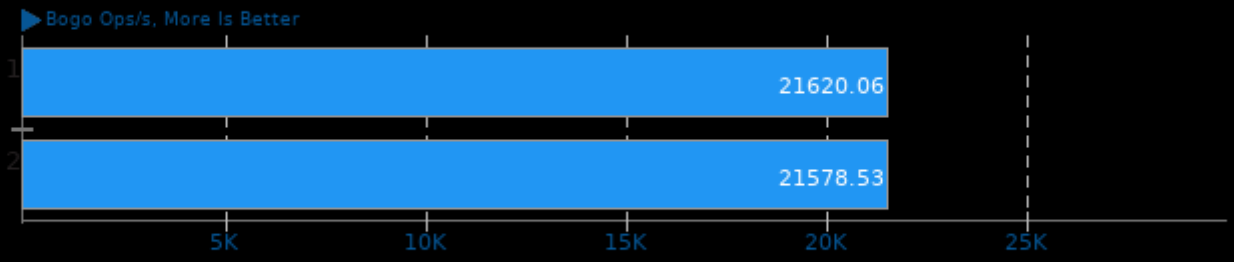
Test: Semaphores



1. (CC) gcc options: -O2 -std=gnu99 -lm -laio -lbsd -lcrypt -lrt -lsctp -lz -ldl -pthread -lc -latomic

Stress-NG 0.13.02

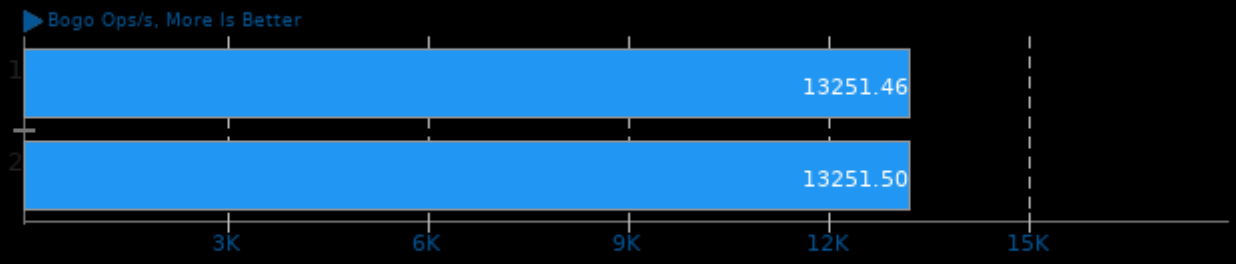
Test: Matrix Math



1. (CC) gcc options: -O2 -std=gnu99 -lm -laio -lbsd -lcrypt -lrt -lsctp -lz -ldl -pthread -lc -latomic

Stress-NG 0.13.02

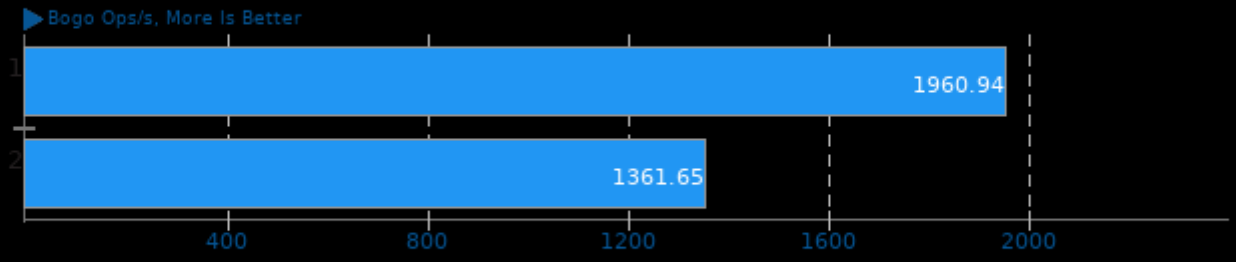
Test: Vector Math



1. (CC) gcc options: -O2 -std=gnu99 -lm -laio -lbsd -lcrypt -lrt -lsctp -lz -ldl -pthread -lc -latomic

Stress-NG 0.13.02

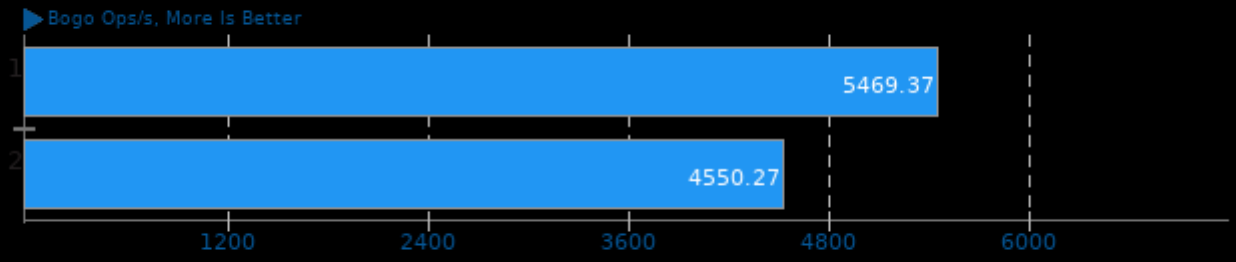
Test: Memory Copying



1. (CC) gcc options: -O2 -std=gnu99 -lm -laio -lbsd -lcrypt -lrt -lsctp -lz -ldl -pthread -lc -latomic

Stress-NG 0.13.02

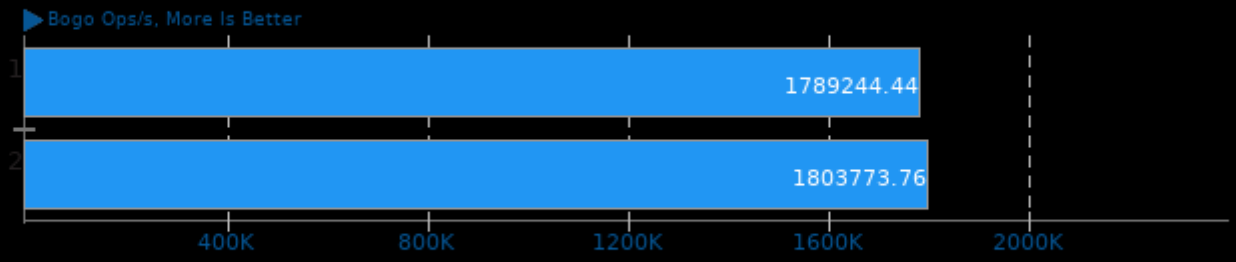
Test: Socket Activity



1. (CC) gcc options: -O2 -std=gnu99 -lm -laio -lbsd -lcrypt -lrt -lsctp -lz -ldl -pthread -lc -latomic

Stress-NG 0.13.02

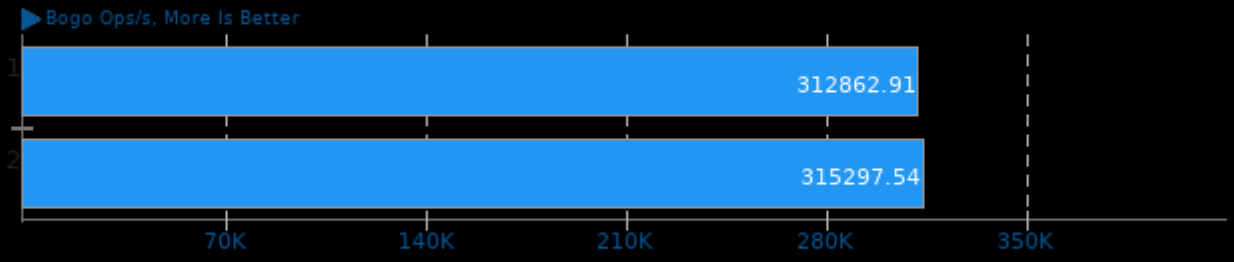
Test: Context Switching



1. (CC) gcc options: -O2 -std=gnu99 -lm -laio -lbsd -lcrypt -lrt -lsctp -lz -ldl -pthread -lc -latomic

Stress-NG 0.13.02

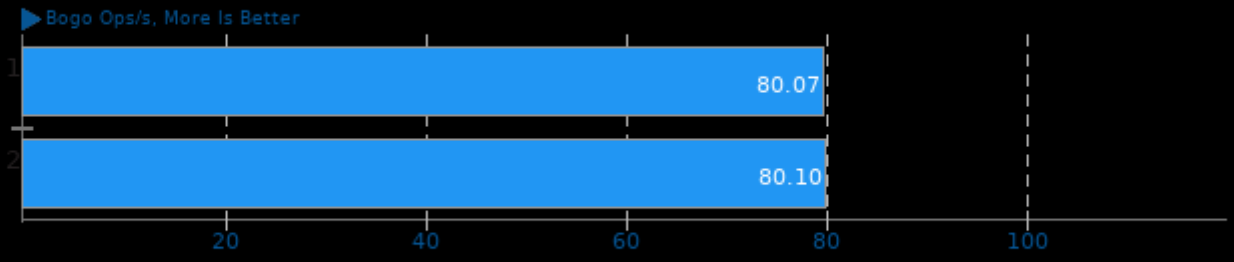
Test: Glibc C String Functions



1. (CC) gcc options: -O2 -std=gnu99 -lm -laio -lbsd -lcrypt -lrt -lsctp -lz -ldl -pthread -lc -latomic

Stress-NG 0.13.02

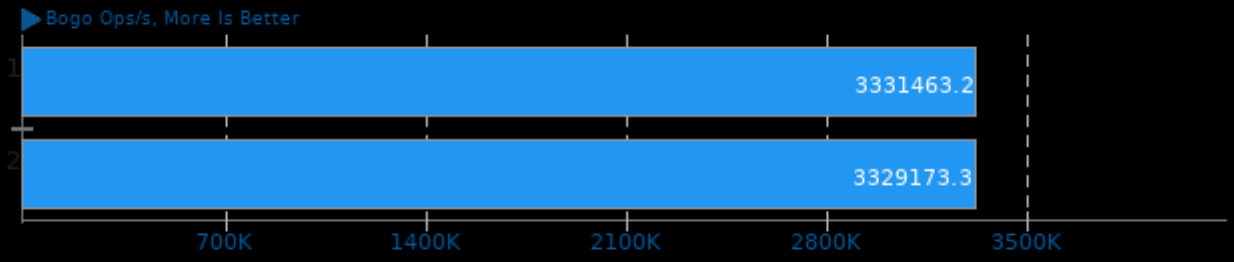
Test: Glibc Qsort Data Sorting



1. (CC) gcc options: -O2 -std=gnu99 -lm -laio -lbsd -lcrypt -lrt -lsctp -lz -ldl -pthread -lc -latomic

Stress-NG 0.13.02

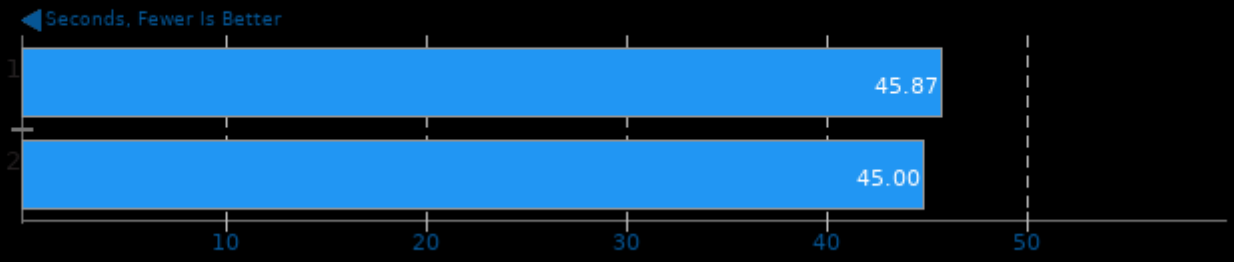
Test: System V Message Passing

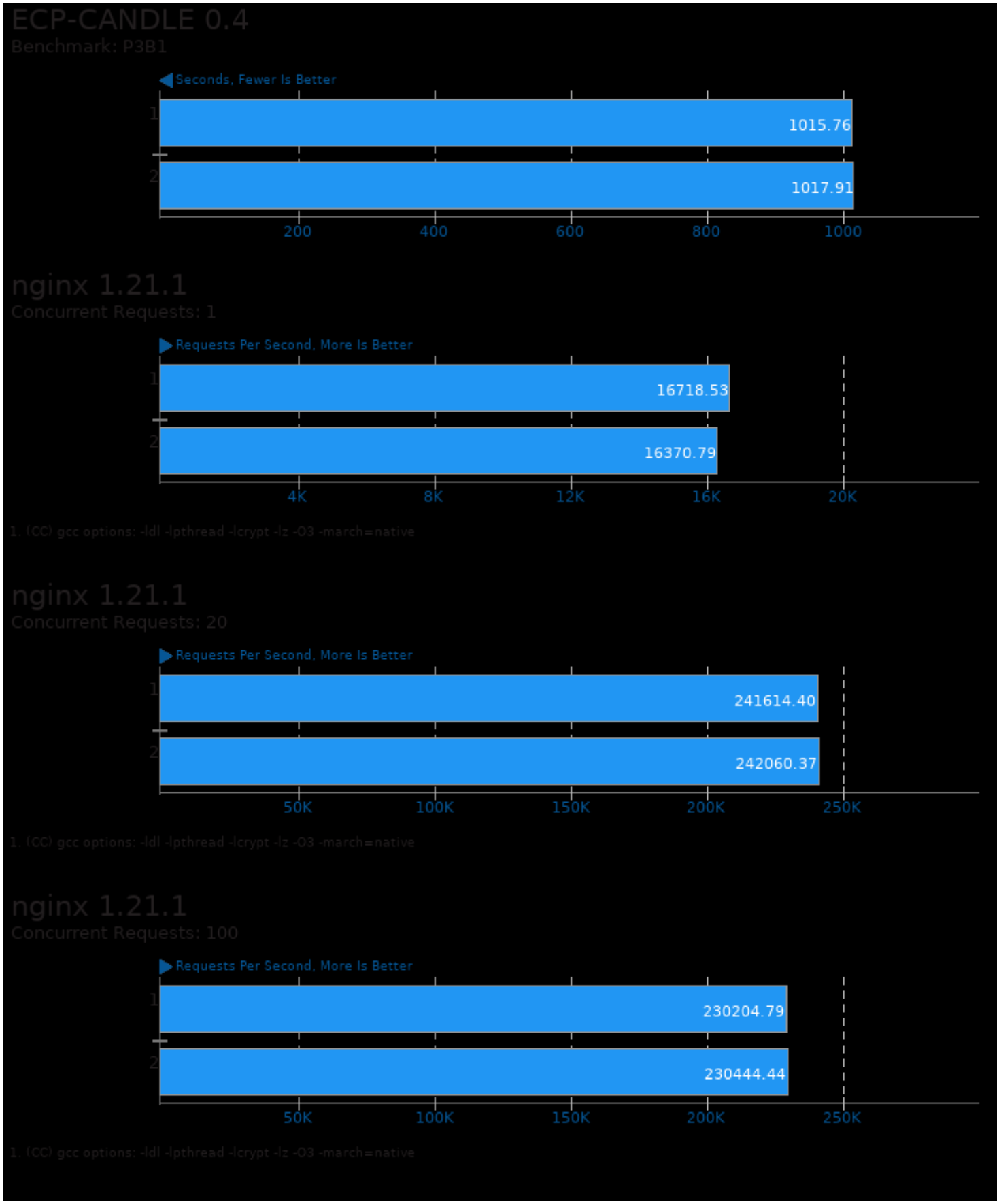


1. (CC) gcc options: -O2 -std=gnu99 -lm -laio -lbsd -lcrypt -lrt -lsctp -lz -ldl -pthread -lc -latomic

ECP-CANDLE 0.4

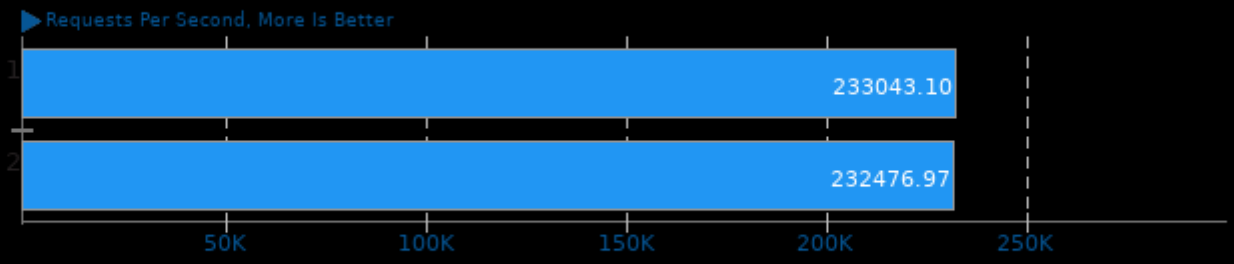
Benchmark: P1B2




ECP-CANDLE 0.4
Benchmark: P3B1
Seconds, Fewer Is Better
1
1015.76
2
1017.91
200
400
600
800
1000
nginx 1.21.1
Concurrent Requests: 1
Requests Per Second, More Is Better
1
16718.53
2
16370.79
4K
8K
12K
16K
20K
1. (CC) gcc options: -ldl -lpthread -lcrypt -lz -O3 -march=native
nginx 1.21.1
Concurrent Requests: 20
Requests Per Second, More Is Better
1
241614.40
2
242060.37
50K
100K
150K
200K
250K
1. (CC) gcc options: -ldl -lpthread -lcrypt -lz -O3 -march=native
nginx 1.21.1
Concurrent Requests: 100
Requests Per Second, More Is Better
1
230204.79
2
230444.44
50K
100K
150K
200K
250K
1. (CC) gcc options: -ldl -lpthread -lcrypt -lz -O3 -march=native

nginx 1.21.1

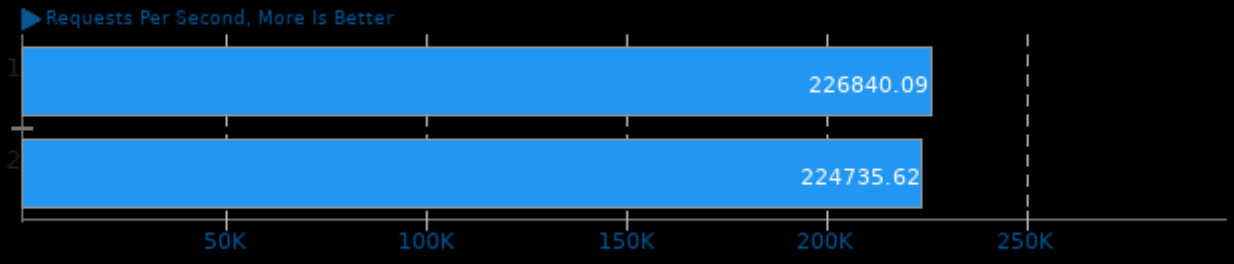
Concurrent Requests: 200



1. (CC) gcc options: -ldl -lpthread -lcrypt -lz -O3 -march=native

nginx 1.21.1

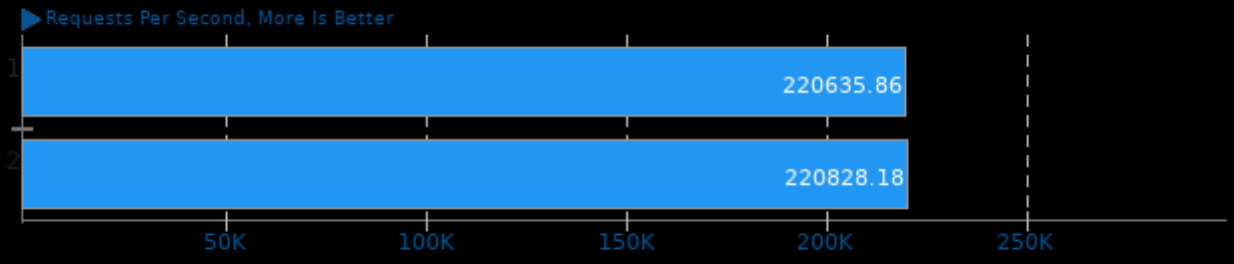
Concurrent Requests: 500



1. (CC) gcc options: -ldl -lpthread -lcrypt -lz -O3 -march=native

nginx 1.21.1

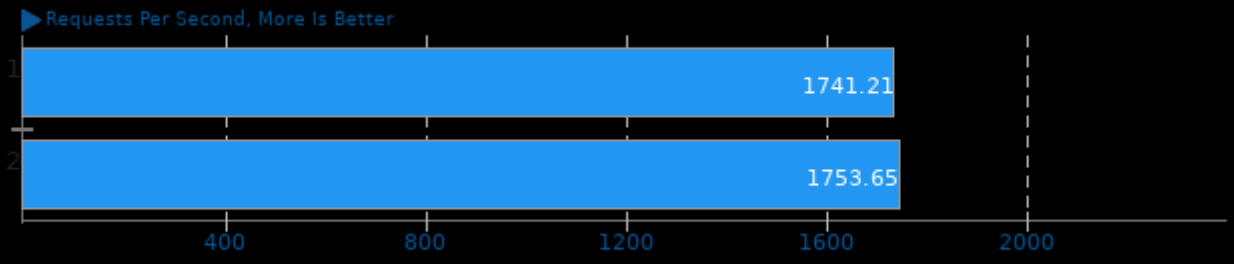
Concurrent Requests: 1000



1. (CC) gcc options: -ldl -lpthread -lcrypt -lz -O3 -march=native

Apache HTTP Server 2.4.48

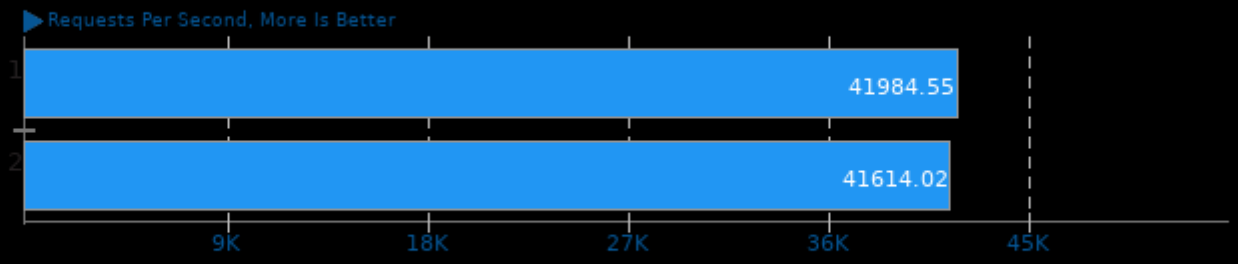
Concurrent Requests: 1



1. (CC) gcc options: -shared -fPIC -O2 -pthread

Apache HTTP Server 2.4.48

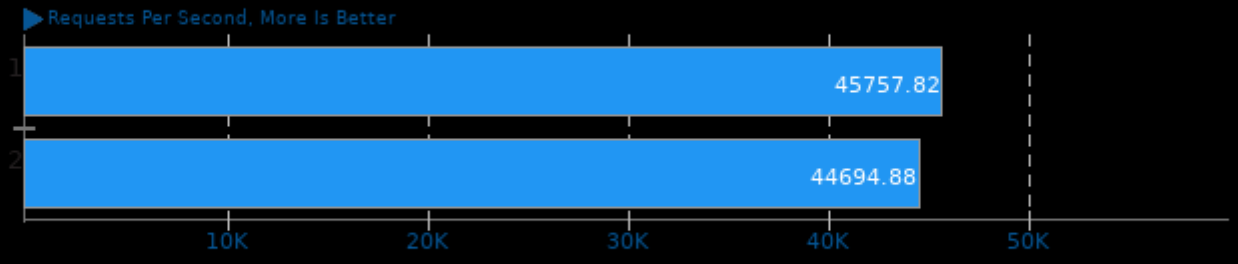
Concurrent Requests: 20



1. (CC) gcc options: -shared -fPIC -O2 -pthread

Apache HTTP Server 2.4.48

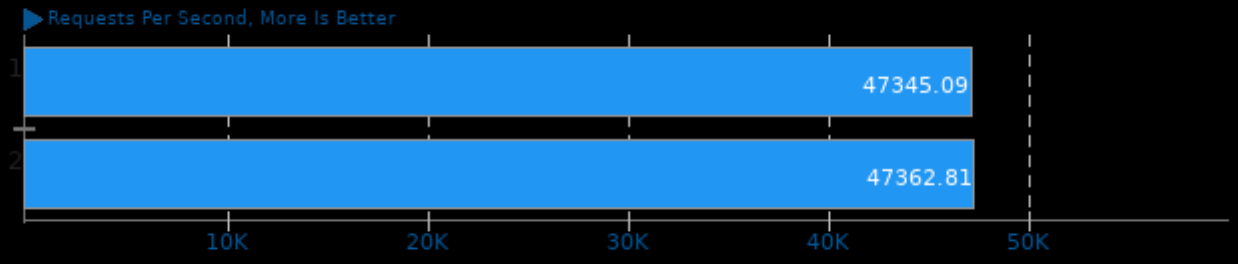
Concurrent Requests: 100



1. (CC) gcc options: -shared -fPIC -O2 -pthread

Apache HTTP Server 2.4.48

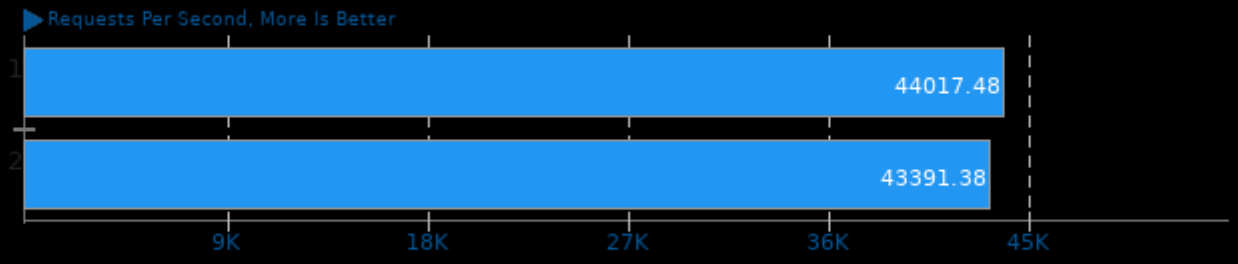
Concurrent Requests: 200



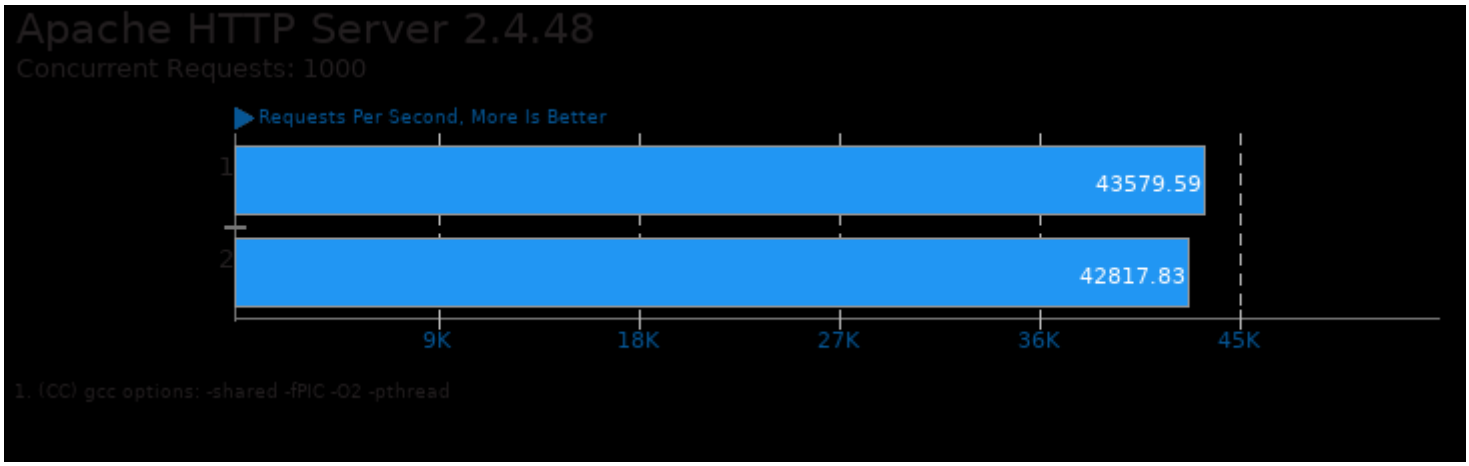
1. (CC) gcc options: -shared -fPIC -O2 -pthread

Apache HTTP Server 2.4.48

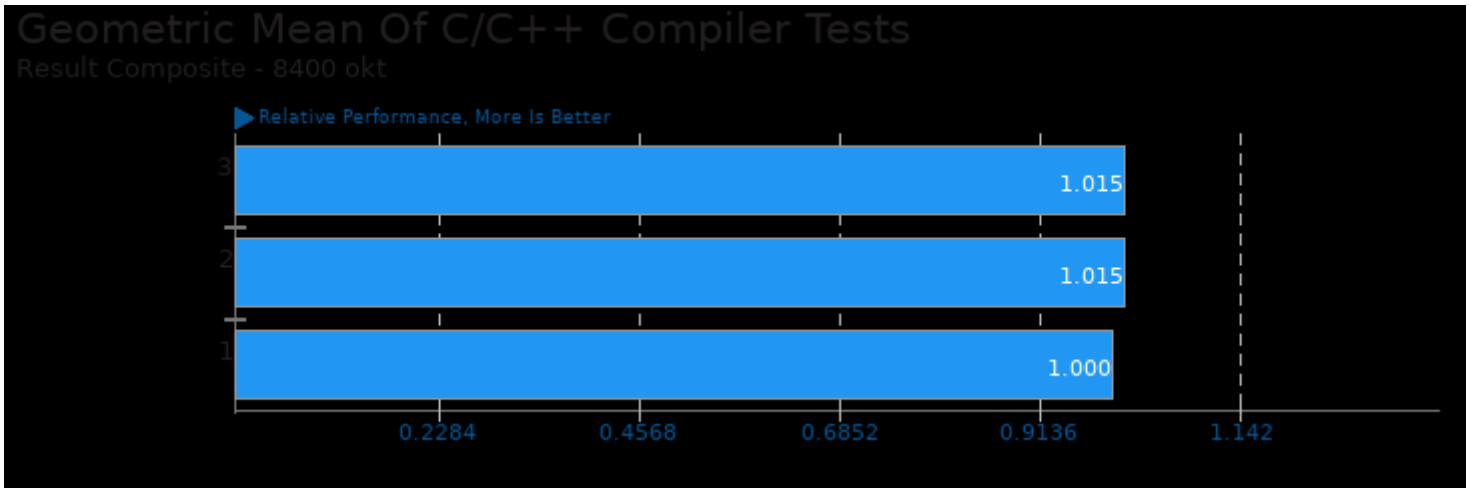
Concurrent Requests: 500



1. (CC) gcc options: -shared -fPIC -O2 -pthread


Apache HTTP Server 2.4.48
Concurrent Requests: 1000
Requests Per Second, More Is Better
1
2
43579.59
42817.83
9K
18K
27K
36K
45K
1. (CC) gcc options: -shared -fPIC -O2 -pthread

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



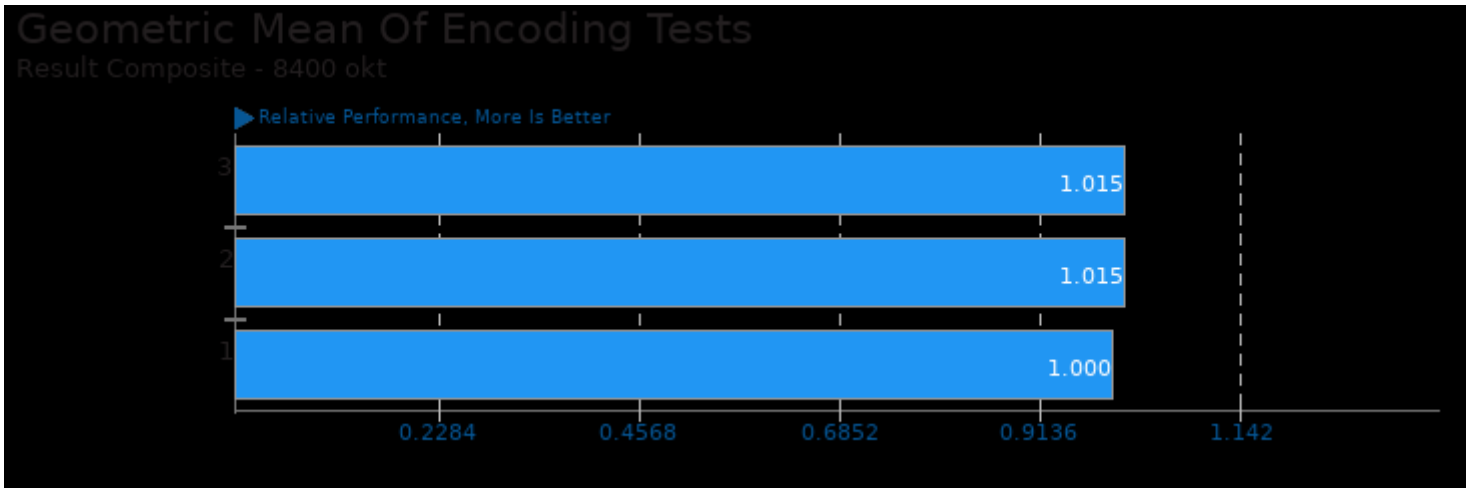
Geometric mean based upon tests: pts/build-llvm, pts/encode-flac, pts/apache, pts/dav1d, pts/openssl, pts/nginx, pts/tachyon and pts/keydb



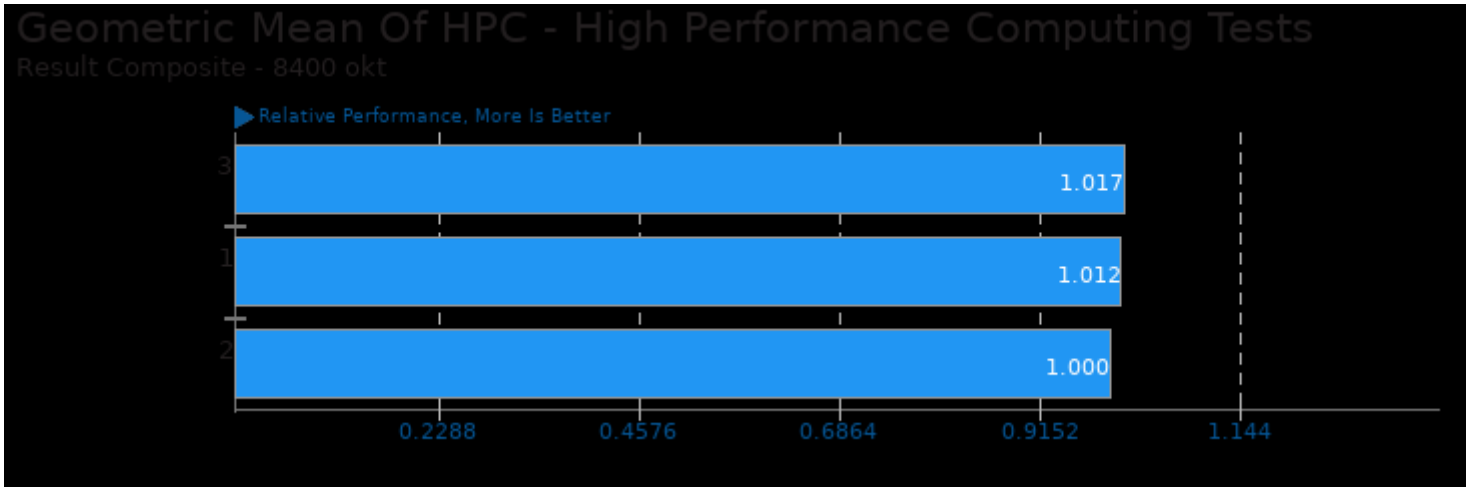
Geometric mean based upon tests: pts/apache, pts/build-gcc, pts/build-llvm, pts/build-linux-kernel, pts/dav1d, pts/encode-flac, pts/openssl, pts/lczero, pts/nginx, pts/stress-ng, pts/tachyon and pts/cpuminer-opt



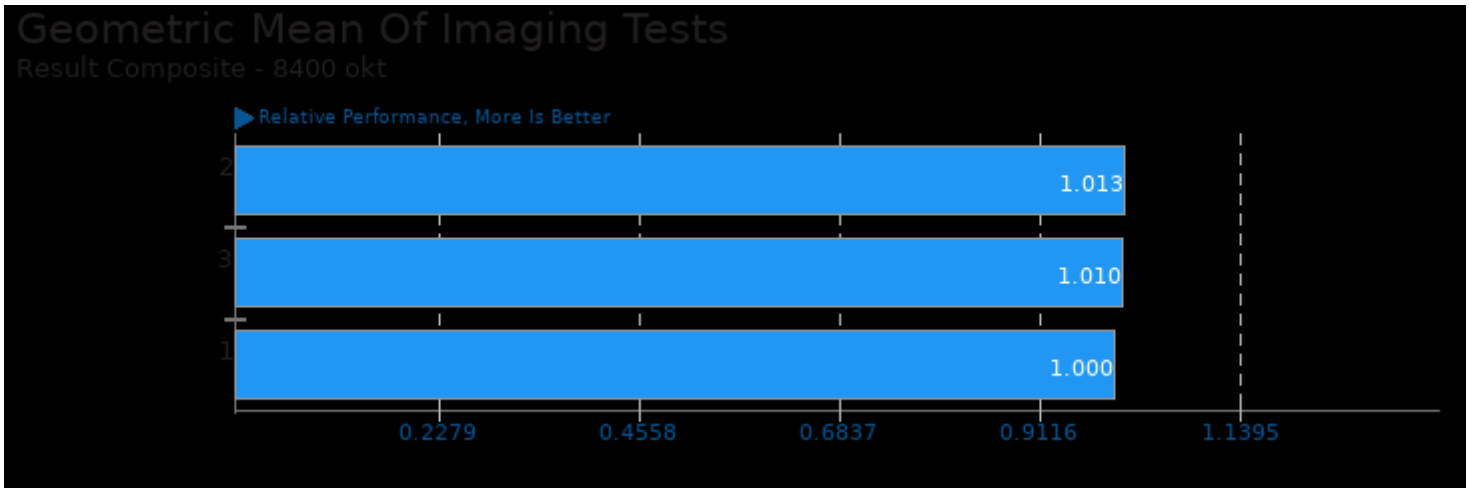
Geometric mean based upon tests: pts/tachyon, pts/dav1d, pts/encode-flac, pts/jpegxl, pts/jpegxl-decode, pts/openvkl and pts/synthmark



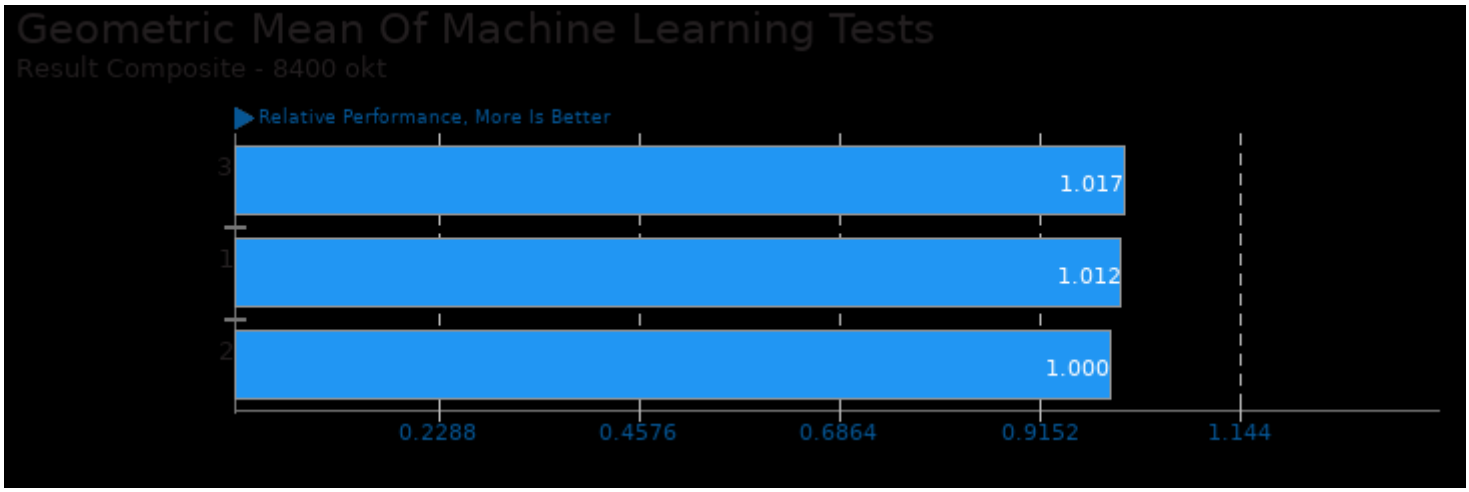
Geometric mean based upon tests: pts/encode-flac and pts/dav1d



Geometric mean based upon tests: pts/ecp-candle and pts/lczero



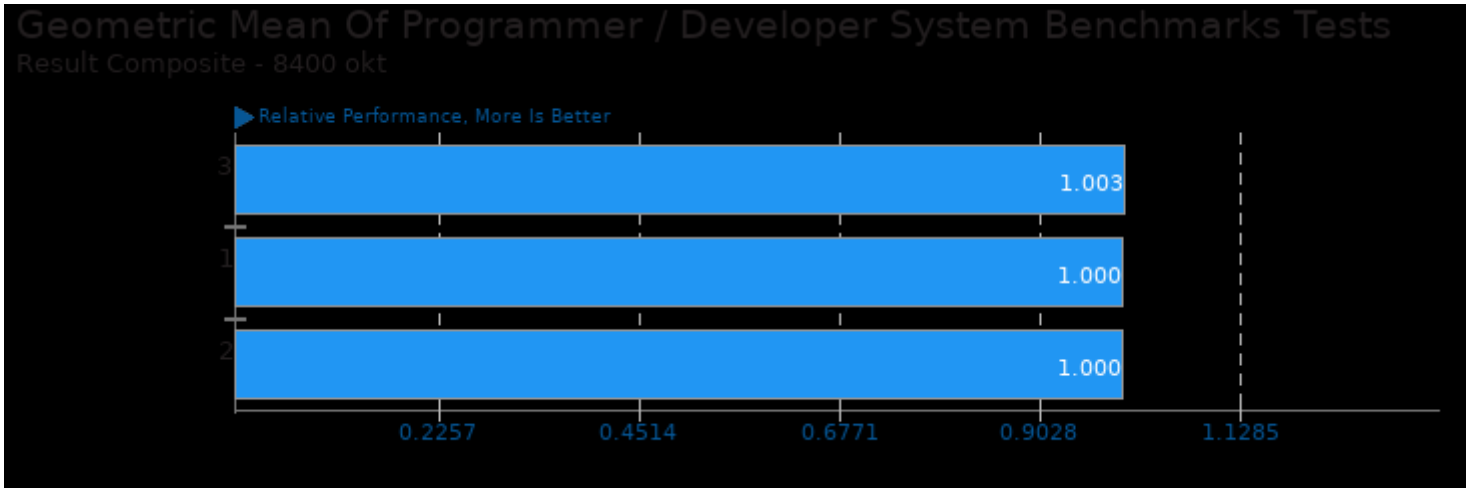
Geometric mean based upon tests: pts/jpegxl and pts/jpegxl-decode



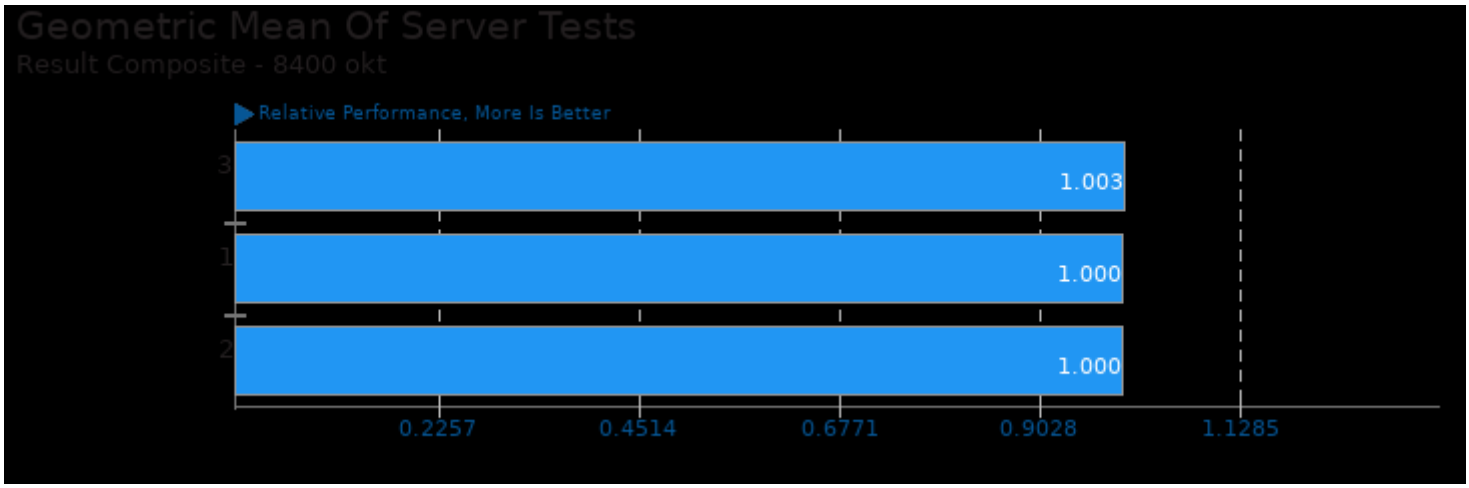
Geometric mean based upon tests: pts/ecp-candle and pts/lczero



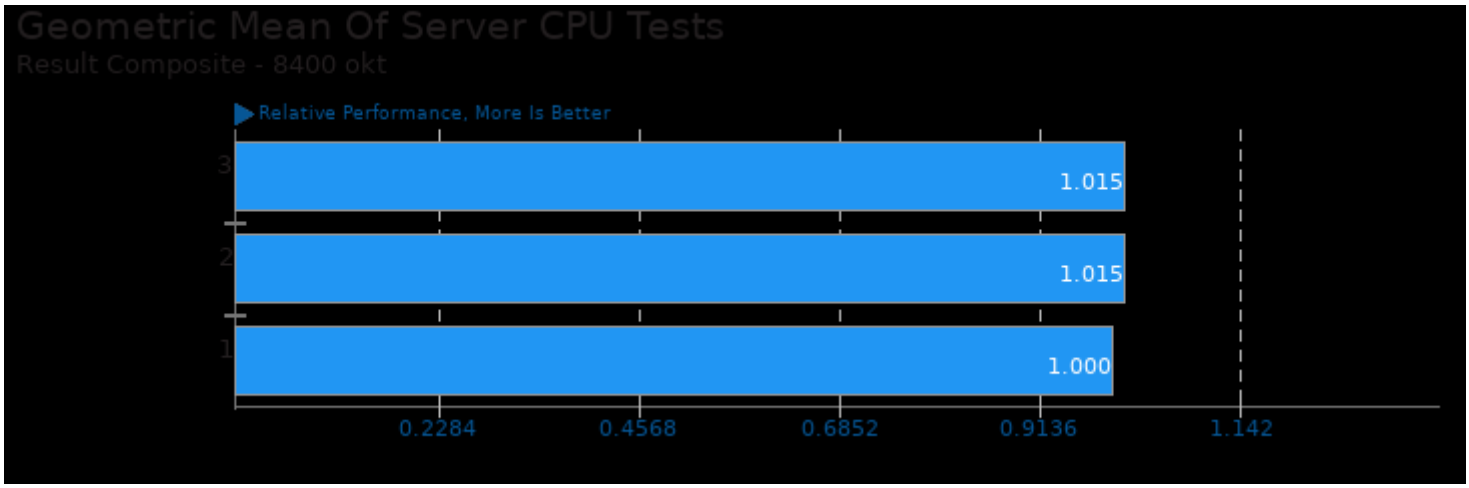
Geometric mean based upon tests: pts/cpuminer-opt, pts/tachyon, pts/dav1d, pts/build-linux-kernel, pts/build-gcc, pts/build-llvm and pts/openvkl



Geometric mean based upon tests: pts/simdjson, pts/build-linux-kernel, pts/build-gcc and pts/build-llvm



Geometric mean based upon tests: pts/apache, pts/nginx, pts/keydb, pts/openssl and pts/simdjson



Geometric mean based upon tests: pts/dav1d, pts/build-gcc, pts/build-linux-kernel, pts/build-llvm, pts/openssl, pts/stress-ng and pts/cpuminer-opt

This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 09:04.