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AMD Ryzen 5 3600XT 6-Core testing with a MSI X470 GAMING M7 AC (MS-7B77) v1.0 (1.E0 BIOS) and MSI AMD Radeon R7 370 / R9 270/370 OEM 4GB on Ubuntu 20.10 via the Phoronix Test Suite.

Automated Executive Summary

2 had the most wins, coming in first place for 57% of the tests.

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

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

FLAC Audio Encoding (WAV To FLAC) at 1.628x
LeelaChessZero (Backend: Eigen) at 1.151x
LeelaChessZero (Backend: BLAS) at 1.142x
Stress-NG (Test: Glibc Qsort Data Sorting) at 1.115x
Cpuminer-Opt (Algorithm: Ringcoin) at 1.101x
Stress-NG (Test: CPU Cache) at 1.101x
Renaissance (Test: Apache Spark Bayes) at 1.068x
Cpuminer-Opt (Algorithm: LBC, LBRY Credits) at 1.061x
Cpuminer-Opt (Algorithm: x25x) at 1.059x
JPEG XL libjxl (Input: PNG - Encode Speed: 5) at 1.055x.

Test Systems:

1

2

Processor: AMD Ryzen 5 3600XT 6-Core @ 3.80GHz (6 Cores / 12 Threads), Motherboard: MSI X470 GAMING M7 AC (MS-7B77) v1.0 (1.E0 BIOS), Chipset: AMD Starship/Matisse, Memory: 16GB, Disk: 500GB CT500P2SSD8, Graphics: MSI AMD Radeon R7 370 / R9 270/370 OEM 4GB, Audio: AMD Oland/Hainan/Cape, Monitor: LG Ultra HD, Network: Qualcomm Atheros Killer E2500 + Intel 8265 / 8275

OS: Ubuntu 20.10, Kernel: 5.8.0-55-generic (x86_64), Desktop: GNOME Shell 3.38.1, Display Server: X Server 1.20.9, OpenGL: 4.5 Mesa 20.2.1 (LLVM 11.0.0), Compiler: GCC 10.2.0, 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-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-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none=/build/gcc-10-JvwpWM/gcc-10-10.2.0/debian/tmp-nvptx/usr,amdgcn-amdhsa=/build/gcc-10-JvwpWM/gcc-10-10.2.0/debian/tmp-gcn/usr,hsa --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --program-prefix=x86_64-linux-gnu- --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-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
Graphics Notes: GLAMOR - BAR1 / Visible vRAM Size: 92 MB
Java Notes: OpenJDK Runtime Environment (build 11.0.11+9-Ubuntu-0ubuntu2.20.10)
Python Notes: Python 3.8.6
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 IBPB: conditional STIBP: conditional RSB filling + srbds: Not affected + tsx_async_abort: Not affected

	1	2
Unvanquished - 1920 x 1080 - High (FPS)	**332.5**	**321.7**
Normalized	100%	96.75%
Unvanquished - 1920 x 1200 - High (FPS)	**318.9**	**324.9**
Normalized	98.15%	100%
Unvanquished - 2560 x 1440 - High (FPS)	261.9	261.9
Unvanquished - 3840 x 2160 - High (FPS)	**137.4**	**138.1**
Normalized	99.49%	100%
Unvanquished - 1920 x 1080 - Ultra (FPS)	**231.4**	**231**
Normalized	100%	99.83%
Unvanquished - 1920 x 1200 - Ultra (FPS)	**215.8**	**215.5**
Normalized	100%	99.86%
Unvanquished - 2560 x 1440 - Ultra (FPS)	**155.2**	**155.4**
Normalized	99.87%	100%
Unvanquished - 3840 x 2160 - Ultra (FPS)	**85.4**	**85.5**
Normalized	99.88%	100%
Unvanquished - 1920 x 1080 - Medium (FPS)	**330.9**	**325.6**
Normalized	100%	98.4%
Unvanquished - 1920 x 1200 - Medium (FPS)	**337.5**	**348.1**
Normalized	96.95%	100%
Unvanquished - 2560 x 1440 - Medium (FPS)	**311.2**	**312.1**
Normalized	99.71%	100%

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Unvanquished - 3840 x 2160 - Medium (FPS)	176.3	177.2
Normalized	99.49%	100%
yquake2 - Vulkan - 1920 x 1080 (FPS)	987.5	966.4
Normalized	100%	97.86%
yquake2 - Vulkan - 2560 x 1440 (FPS)	989	990.6
Normalized	99.84%	100%
yquake2 - Vulkan - 3840 x 2160 (FPS)	987.5	989
Normalized	99.85%	100%
yquake2 - OpenGL 1.x - 1920 x 1080 (FPS)	837.1	799
Normalized	100%	95.45%
yquake2 - OpenGL 1.x - 2560 x 1440 (FPS)	661.8	660.4
Normalized	100%	99.79%
yquake2 - OpenGL 1.x - 3840 x 2160 (FPS)	315.7	315.4
Normalized	100%	99.9%
yquake2 - OpenGL 3.x - 1920 x 1080 (FPS)	975.3	981.4
Normalized	99.38%	100%
yquake2 - OpenGL 3.x - 2560 x 1440 (FPS)	795	802
Normalized	99.13%	100%
yquake2 - OpenGL 3.x - 3840 x 2160 (FPS)	366	371.1
Normalized	98.63%	100%
yquake2 - Software CPU - 1920 x 1080 (FPS)	122.5	122.1
Normalized	100%	99.67%
yquake2 - Software CPU - 2560 x 1440 (FPS)	74	73.5
Normalized	100%	99.32%
yquake2 - Software CPU - 3840 x 2160 (FPS)	35.9	35.8
Normalized	100%	99.72%
GLmark2 - 1920 x 1080 (Score)	3456	3446
Normalized	100%	99.71%
GLmark2 - 1920 x 1200 (Score)	3094	3156
Normalized	98.04%	100%
GLmark2 - 2560 x 1440 (Score)	2144	
GLmark2 - 3840 x 2160 (Score)	960	944
Normalized	100%	98.33%
C-Blosc - blosclz (MB/s)	16107	15900
Normalized	100%	98.71%
LeelaChessZero - BLAS (Nodes/s)	726	829
Normalized	87.58%	100%
LeelaChessZero - Eigen (Nodes/s)	713	821
Normalized	86.85%	100%
simdjson - Kostya (GB/s)	2.69	2.69
simdjson - LargeRand (GB/s)	0.94	0.97
Normalized	96.91%	100%
simdjson - PartialTweets (GB/s)	3.95	3.96
Normalized	99.75%	100%
simdjson - DistinctUserID (GB/s)	4.25	4.3
Normalized	98.84%	100%
Renaissance - Scala Dotty (ms)	785.5	778.9
Normalized	99.16%	100%
Renaissance - Rand Forest (ms)	745.7	743.3
Normalized	99.68%	100%
Renaissance - ALS Movie Lens (ms)	7013	7015
Normalized	100%	99.97%
Renaissance - Apache Spark ALS (ms)	2163	2149

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Normalized	99.37%	100%
Renaissance - Apache Spark Bayes (ms)	2185	2046
Normalized	93.64%	100%
Renaissance - Savina Reactors.IO (ms)	9067	8654
Normalized	95.45%	100%
Renaissance - A.S.P (ms)	3549	3610
Normalized	100%	98.32%
Renaissance - F.H.R (ms)	1965	1961
Normalized	99.84%	100%
Renaissance - I.M.D.S (ms)	3065	3098
Normalized	100%	98.93%
Renaissance - A.U.C.T (ms)	10654	10786
Normalized	100%	98.78%
Renaissance - G.A.U.J.F (ms)	1502	1512
Normalized	100%	99.31%
JPEG XL libjxl - PNG - 5 (MP/s)	32.31	30.63
Normalized	100%	94.8%
JPEG XL libjxl - PNG - 7 (MP/s)	7.64	7.56
Normalized	100%	98.95%
JPEG XL libjxl - PNG - 8 (MP/s)	0.83	0.85
Normalized	97.65%	100%
JPEG XL libjxl - JPEG - 5 (MP/s)	73.83	72.38
Normalized	100%	98.04%
JPEG XL libjxl - JPEG - 7 (MP/s)	73.67	73.21
Normalized	100%	99.38%
JPEG XL libjxl - JPEG - 8 (MP/s)	25.16	25.38
Normalized	99.13%	100%
JPEG XL Decoding libjxl - 1 (MP/s)	55.57	56.2
Normalized	98.88%	100%
JPEG XL Decoding libjxl - All (MP/s)	238.02	242.26
Normalized	98.25%	100%
dav1d - Chimera 1080p (FPS)	530.62	535.5
Normalized	99.09%	100%
dav1d - Summer Nature 4K (FPS)	156.21	156.16
Normalized	100%	99.97%
dav1d - S.N.1 (FPS)	490.22	490.26
Normalized	99.99%	100%
dav1d - C.1.1.b (FPS)	405.33	406.72
Normalized	99.66%	100%
Timed GCC Compilation - Time To Compile (sec)	1131	1130
Normalized	99.95%	100%
Timed Linux Kernel Compilation - Time To Compile	118.266	117.179
Normalized	99.08%	100%
Timed LLVM Compilation - Ninja (sec)	920.158	917.677
Normalized	99.73%	100%
Timed LLVM Compilation - Unix Makefiles (sec)	940.655	944.546
Normalized	100%	99.59%
YafaRay - T.T.F.S.S (sec)	193.964	193.124
Normalized	99.57%	100%
FLAC Audio Encoding - WAV To FLAC (sec)	14.968	24.369
Normalized	100%	61.42%
Tachyon - Total Time (sec)	123.1965	122.4487
Normalized	99.39%	100%

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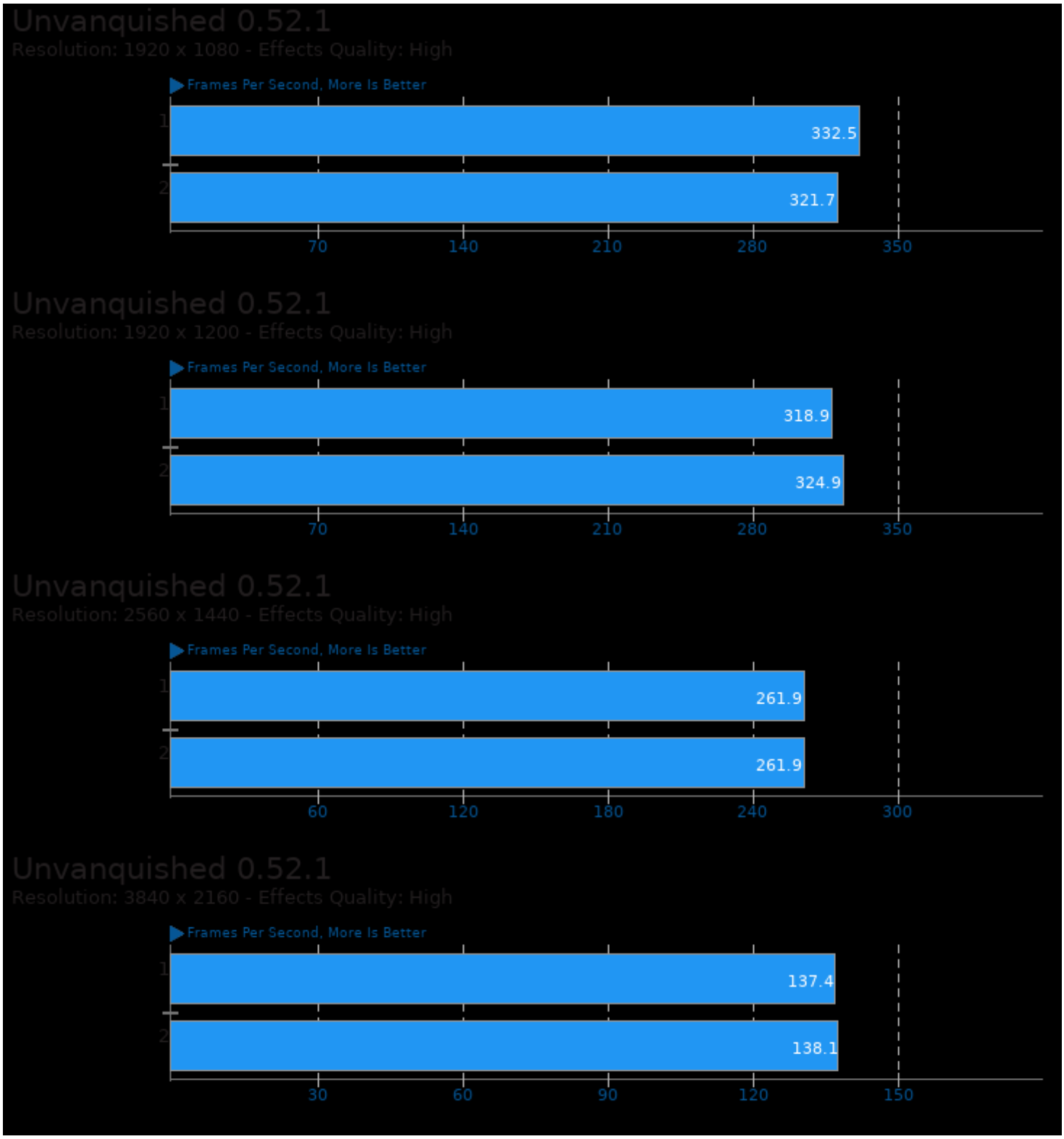
Google SynthMark - VoiceMark_100 (Voices)	**818.17**	**823.421**
Normalized	99.36%	100%
Cpuminer-Opt - Magi (kH/s)	**321.14**	**322.33**
Normalized	99.63%	100%
Cpuminer-Opt - x25x (kH/s)	**207.2**	**195.68**
Normalized	100%	94.44%
Cpuminer-Opt - Deepcoin (kH/s)	**5700**	**5736**
Normalized	99.36%	100%
Cpuminer-Opt - Ringcoin (kH/s)	**1429**	**1574**
Normalized	90.82%	100%
Cpuminer-Opt - Blake-2 S (kH/s)	**227010**	**228090**
Normalized	99.53%	100%
Cpuminer-Opt - Garlicoin (kH/s)	**1390**	**1393**
Normalized	99.75%	100%
Cpuminer-Opt - Skeincoin (kH/s)	**52140**	**52420**
Normalized	99.47%	100%
Cpuminer-Opt - Myriad-Groestl (kH/s)	**11230**	**11250**
Normalized	99.82%	100%
Cpuminer-Opt - LBC, LBRY Credits (kH/s)	**16620**	**15660**
Normalized	100%	94.22%
Cpuminer-Opt - Q.S.2.P (kH/s)	**50870**	**51270**
Normalized	99.22%	100%
Cpuminer-Opt - T.S.2.O (kH/s)	**104870**	**100150**
Normalized	100%	95.5%
OpenSSL - SHA256 (byte/s)	**8658675680**	**8676079020**
Normalized	99.8%	100%
OpenSSL - RSA4096 (sign/s)	**1781**	**1786**
Normalized	99.68%	100%
OpenSSL - RSA4096 (verify/s)	**115350**	**115735**
Normalized	99.67%	100%
Stress-NG - MMAP (Bogo Ops/s)	**123.59**	**123.29**
Normalized	100%	99.76%
Stress-NG - NUMA (Bogo Ops/s)	**162.29**	**162.31**
Normalized	99.99%	100%
Stress-NG - MEMFD (Bogo Ops/s)	**422.94**	**416.12**
Normalized	100%	98.39%
Stress-NG - Atomic (Bogo Ops/s)	**577001**	**581442**
Normalized	99.24%	100%
Stress-NG - Crypto (Bogo Ops/s)	**1797**	**1797**
Normalized	99.96%	100%
Stress-NG - Malloc (Bogo Ops/s)	**56771170**	**56679657**
Normalized	100%	99.84%
Stress-NG - Forking (Bogo Ops/s)	**38740**	**38276**
Normalized	100%	98.8%
Stress-NG - IO_uring (Bogo Ops/s)	**20794**	**20233**
Normalized	100%	97.31%
Stress-NG - SENDFILE (Bogo Ops/s)	**109815**	**110198**
Normalized	99.65%	100%
Stress-NG - CPU Cache (Bogo Ops/s)	**108.63**	**119.6**
Normalized	90.83%	100%
Stress-NG - CPU Stress (Bogo Ops/s)	**17413**	**16900**
Normalized	100%	97.06%
Stress-NG - Semaphores (Bogo Ops/s)	**875591**	**878603**

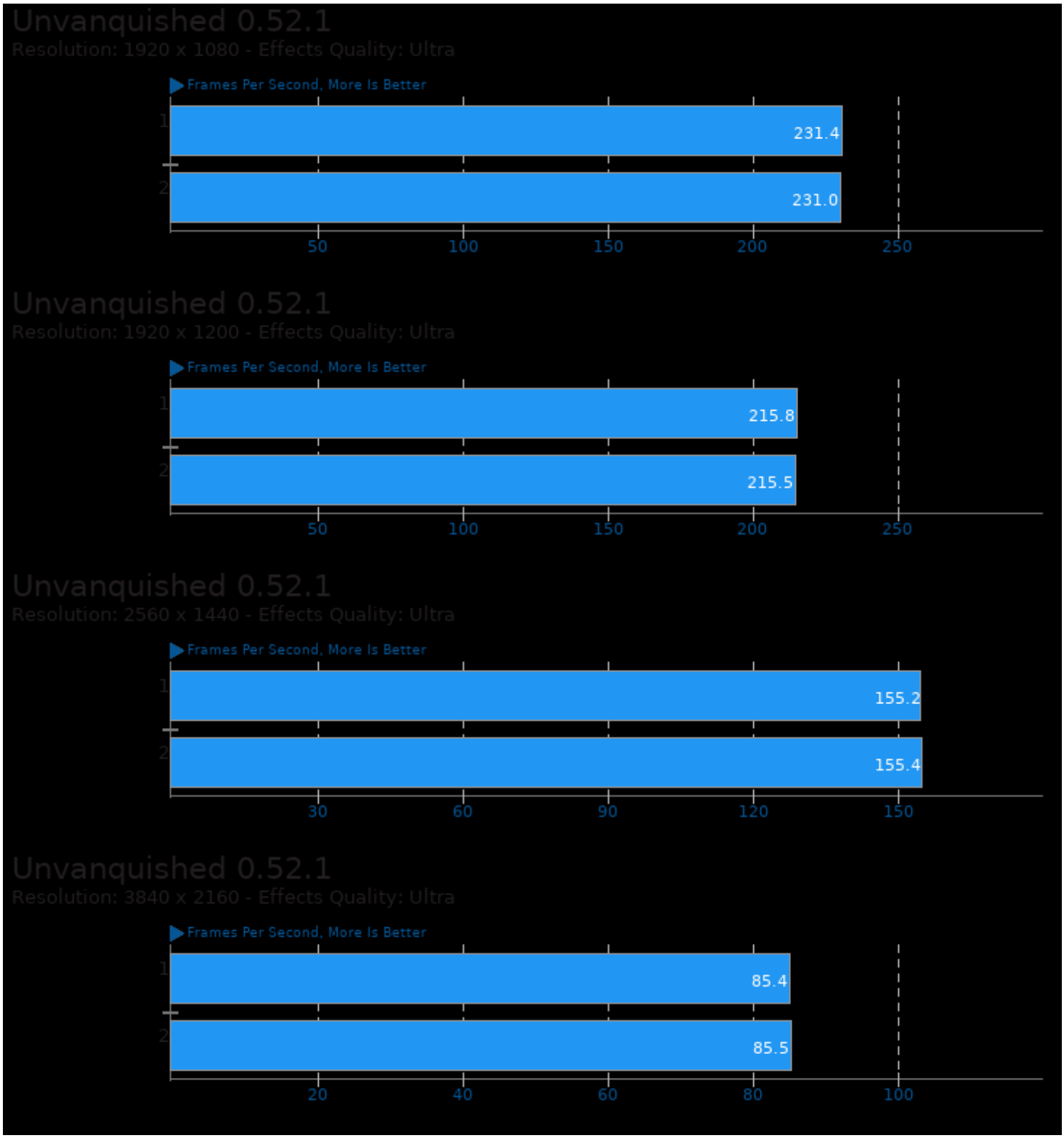
Normalized	99.66%	100%
Stress-NG - Matrix Math (Bogo Ops/s)	29753	30070
Normalized	98.94%	100%
Stress-NG - Vector Math (Bogo Ops/s)	24990	25034
Normalized	99.83%	100%
Stress-NG - Memory Copying (Bogo Ops/s)	2967	2970
Normalized	99.9%	100%
Stress-NG - Socket Activity (Bogo Ops/s)	5460	5707
Normalized	95.67%	100%
Stress-NG - Context Switching (Bogo Ops/s)	3216982	3222130
Normalized	99.84%	100%
Stress-NG - G.C.S.F (Bogo Ops/s)	431506	449609
Normalized	95.97%	100%
Stress-NG - G.Q.D.S (Bogo Ops/s)	107.47	96.4
Normalized	100%	89.7%
Stress-NG - S.V.M.P (Bogo Ops/s)	6321299	6350777
Normalized	99.54%	100%
Mobile Neural Network - mobilenetV3 (ms)	2.443	2.512
Normalized	100%	97.25%
Mobile Neural Network - squeezenetv1.1 (ms)	4.244	4.306
Normalized	100%	98.56%
Mobile Neural Network - resnet-v2-50 (ms)	29.79	30.076
Normalized	100%	99.05%
Mobile Neural Network - SqueezeNetV1.0 (ms)	5.835	5.906
Normalized	100%	98.8%
Mobile Neural Network - MobileNetV2_224 (ms)	3.597	3.696
Normalized	100%	97.32%
Mobile Neural Network - mobilenet-v1-1.0 (ms)	4.215	4.288
Normalized	100%	98.3%
Mobile Neural Network - inception-v3 (ms)	32.952	33.168
Normalized	100%	99.35%
NCNN - CPU - mobilenet (ms)	17.53	17.33
Normalized	98.86%	100%
NCNN - CPU-v2-v2 - mobilenet-v2 (ms)	5.22	5.2
Normalized	99.62%	100%
NCNN - CPU-v3-v3 - mobilenet-v3 (ms)	4.68	4.68
Normalized	100%	100%
NCNN - CPU - shufflenet-v2 (ms)	4.39	4.39
Normalized	100%	100%
NCNN - CPU - mnasnet (ms)	4.37	4.36
Normalized	99.77%	100%
NCNN - CPU - efficientnet-b0 (ms)	7.2	7.19
Normalized	99.86%	100%
NCNN - CPU - blazeface (ms)	1.83	1.81
Normalized	98.91%	100%
NCNN - CPU - googlenet (ms)	16.09	16.04
Normalized	99.69%	100%
NCNN - CPU - vgg16 (ms)	63.29	62.77
Normalized	99.18%	100%
NCNN - CPU - resnet18 (ms)	17.51	17.53
Normalized	99.94%	99.83%
NCNN - CPU - alexnet (ms)	13.67	13.63
Normalized	99.56%	99.85%

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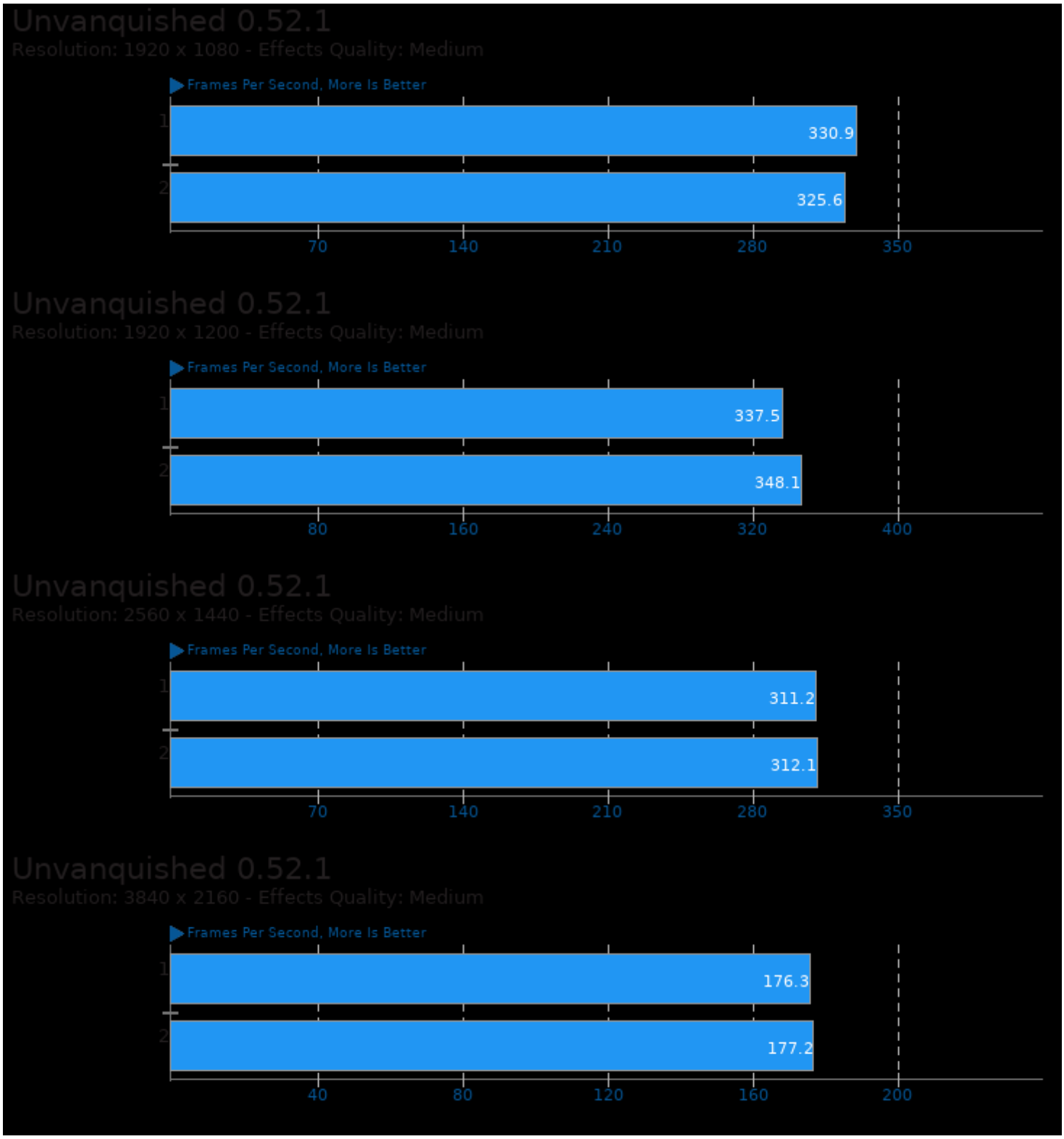
NCNN - CPU - resnet50 (ms)	29.35	28.97
Normalized	98.71%	100%
NCNN - CPU - yolov4-tiny (ms)	28.18	27.67
Normalized	98.19%	100%
NCNN - CPU - squeezenet_ssd (ms)	23.02	22.8
Normalized	99.04%	100%
NCNN - CPU - regnety_400m (ms)	10.3	10.31
Normalized	100%	99.9%
TNN - CPU - DenseNet (ms)	3111	3130
Normalized	100%	99.39%
TNN - CPU - MobileNet v2 (ms)	265.778	264.402
Normalized	99.48%	100%
TNN - CPU - SqueezeNet v2 (ms)	61.942	63.58
Normalized	100%	97.42%
TNN - CPU - SqueezeNet v1.1 (ms)	239.508	238.228
Normalized	99.47%	100%
Facebook RocksDB - Rand Fill (Op/s)	706220	706327
Normalized	99.98%	100%
Facebook RocksDB - Rand Read (Op/s)	36102584	37067366
Normalized	97.4%	100%
Facebook RocksDB - Update Rand (Op/s)	398127	383310
Normalized	100%	96.28%
Facebook RocksDB - Seq Fill (Op/s)	868842	898890
Normalized	96.66%	100%
Facebook RocksDB - Rand Fill Sync (Op/s)	2121	2115
Normalized	100%	99.72%
Facebook RocksDB - Read While Writing (Op/s)	1353841	1350124
Normalized	100%	99.73%
Facebook RocksDB - R.R.W.R (Op/s)	1270278	1265760
Normalized	100%	99.64%
ECP-CANDLE - P1B2 (sec)	43.223	41.535
Normalized	96.09%	100%
ECP-CANDLE - P3B1 (sec)	1154	1158
Normalized	100%	99.64%
ECP-CANDLE - P3B2 (sec)	555.979	561.641
Normalized	100%	98.99%
nginx - 1 (Reqs/sec)	71908	71799
Normalized	100%	99.85%
nginx - 20 (Reqs/sec)	424163	425538
Normalized	99.68%	100%
nginx - 100 (Reqs/sec)	373840	374771
Normalized	99.75%	100%
nginx - 200 (Reqs/sec)	358763	359304
Normalized	99.85%	100%
nginx - 500 (Reqs/sec)	310164	309079
Normalized	100%	99.65%
nginx - 1000 (Reqs/sec)	289809	289080
Normalized	100%	99.75%
Natron - Spaceship (FPS)	2.3	2.2
Normalized	100%	95.65%

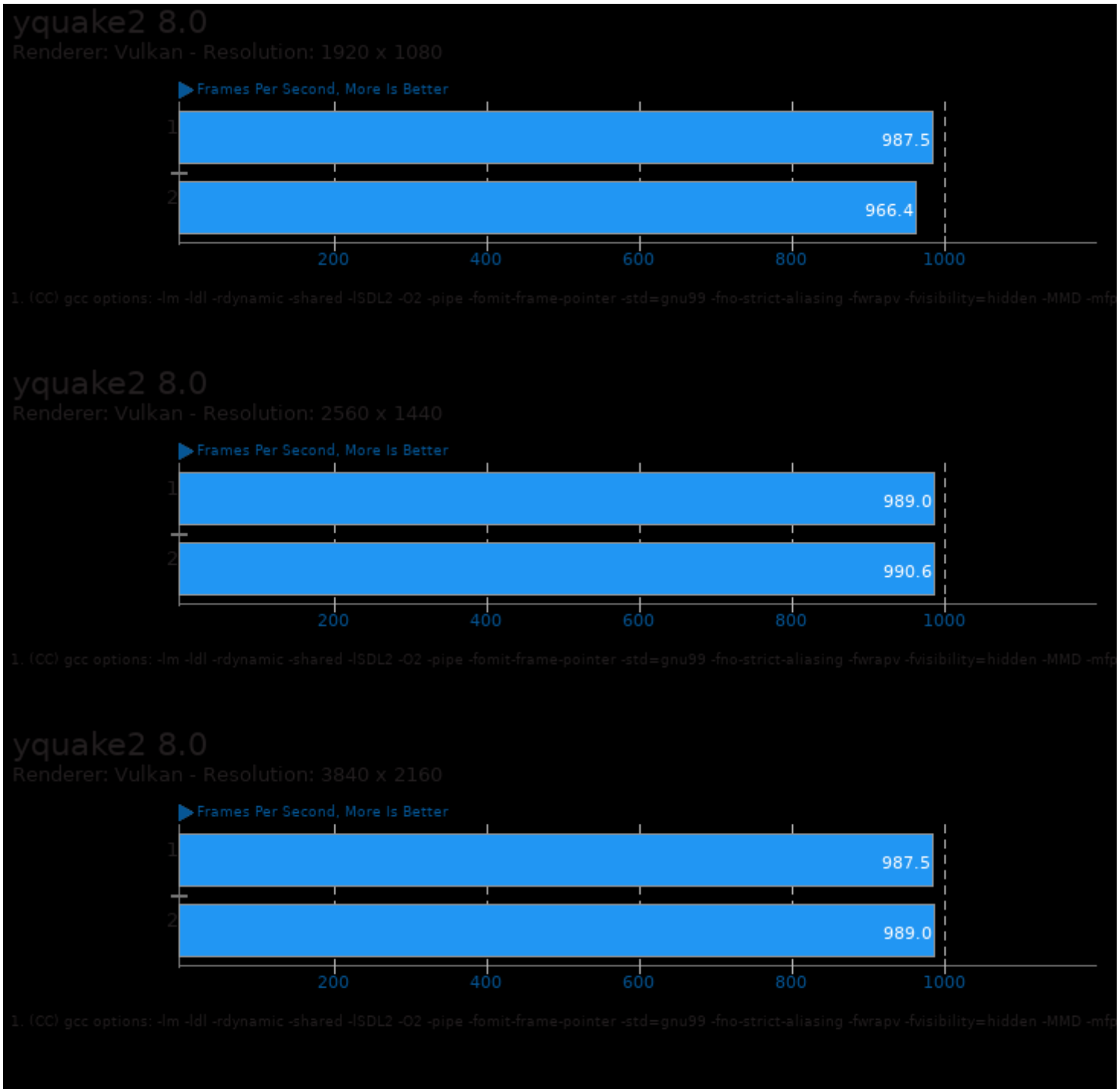
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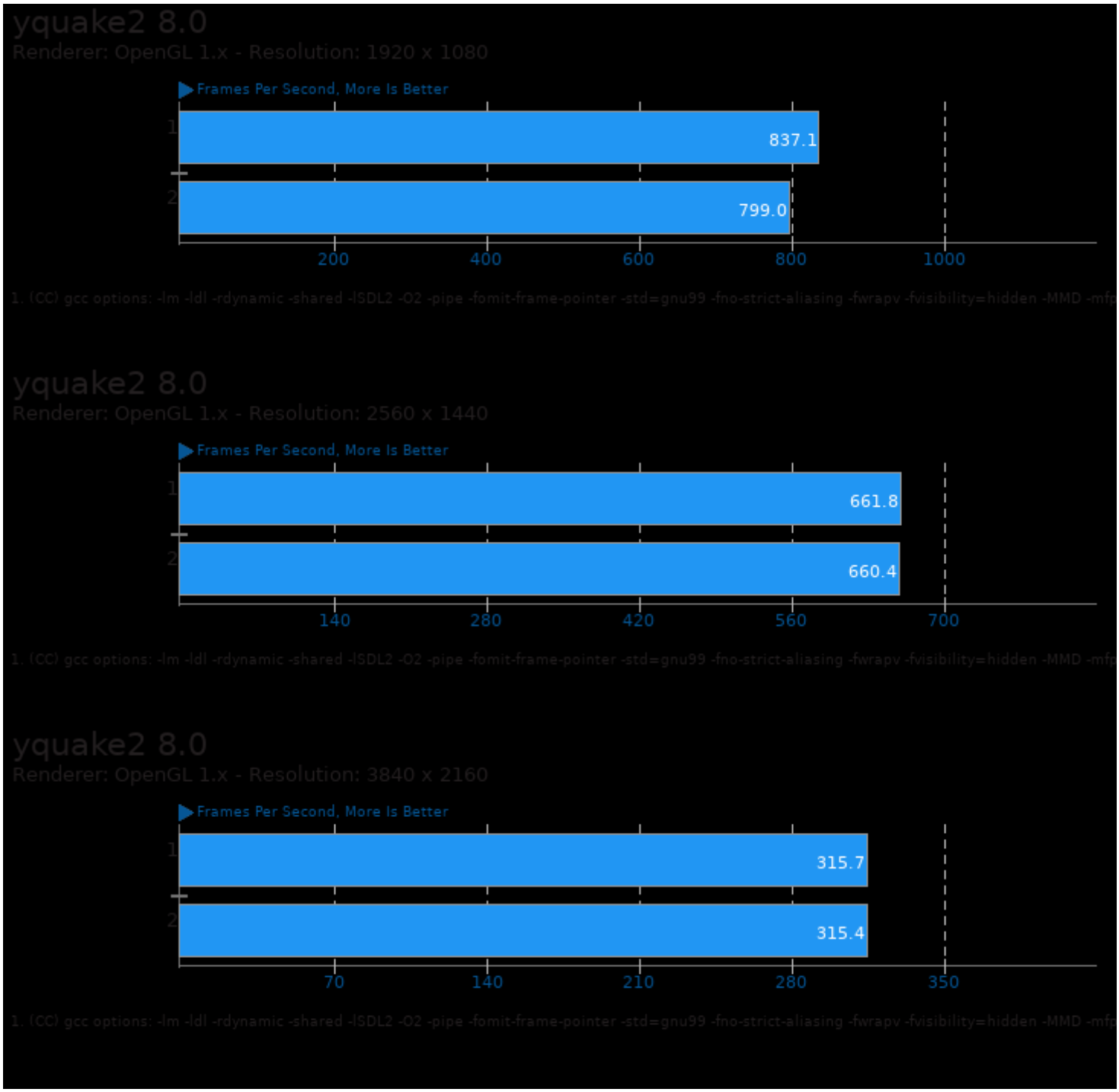

Unvanquished 0.52.1
Resolution: 1920 x 1080 - Effects Quality: High
Frames Per Second, More Is Better
1
2
332.5
321.7
70
140
210
280
350
Unvanquished 0.52.1
Resolution: 1920 x 1200 - Effects Quality: High
Frames Per Second, More Is Better
1
2
318.9
324.9
70
140
210
280
350
Unvanquished 0.52.1
Resolution: 2560 x 1440 - Effects Quality: High
Frames Per Second, More Is Better
1
2
261.9
261.9
60
120
180
240
300
Unvanquished 0.52.1
Resolution: 3840 x 2160 - Effects Quality: High
Frames Per Second, More Is Better
1
2
137.4
138.1
30
60
90
120
150

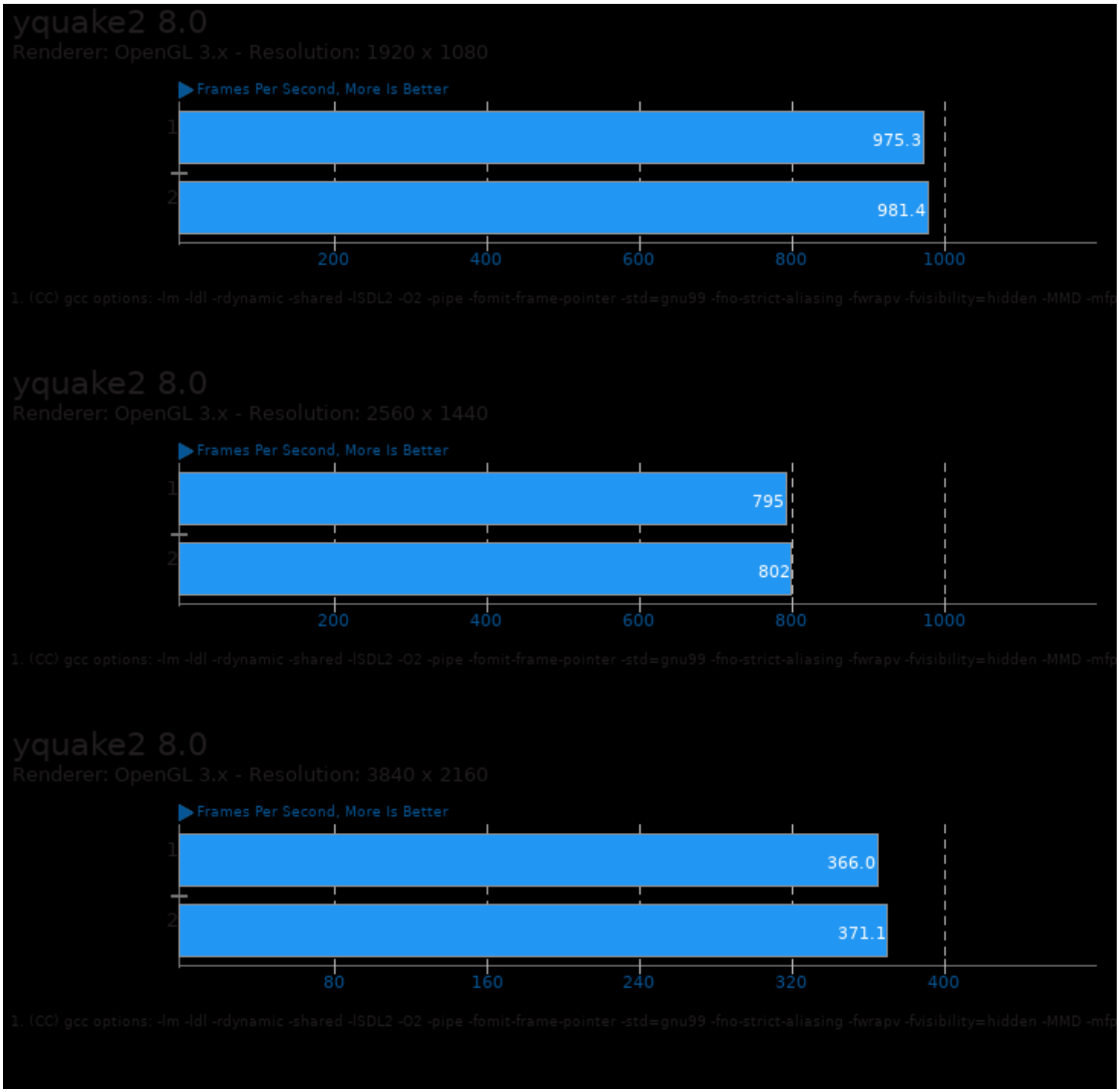

Unvanquished 0.52.1
Resolution: 1920 x 1080 - Effects Quality: Ultra
Frames Per Second, More Is Better
1
231.4
2
231.0
50
100
150
200
250
Unvanquished 0.52.1
Resolution: 1920 x 1200 - Effects Quality: Ultra
Frames Per Second, More Is Better
1
215.8
2
215.5
50
100
150
200
250
Unvanquished 0.52.1
Resolution: 2560 x 1440 - Effects Quality: Ultra
Frames Per Second, More Is Better
1
155.2
2
155.4
30
60
90
120
150
Unvanquished 0.52.1
Resolution: 3840 x 2160 - Effects Quality: Ultra
Frames Per Second, More Is Better
1
85.4
2
85.5
20
40
60
80
100

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Unvanquished 0.52.1
Resolution: 1920 x 1080 - Effects Quality: Medium
Frames Per Second, More Is Better
330.9
325.6
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140
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Unvanquished 0.52.1
Resolution: 1920 x 1200 - Effects Quality: Medium
Frames Per Second, More Is Better
337.5
348.1
80
160
240
320
400
Unvanquished 0.52.1
Resolution: 2560 x 1440 - Effects Quality: Medium
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311.2
312.1
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140
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280
350
Unvanquished 0.52.1
Resolution: 3840 x 2160 - Effects Quality: Medium
Frames Per Second, More Is Better
176.3
177.2
40
80
120
160
200

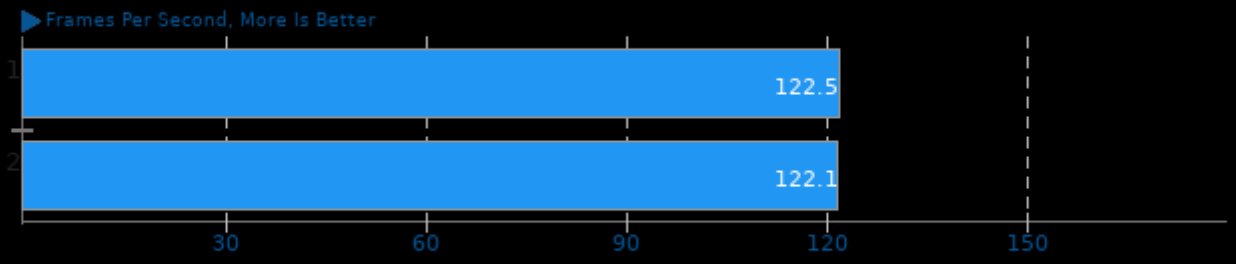

yquake2 8.0
Renderer: Vulkan - Resolution: 1920 x 1080
Frames Per Second, More Is Better
1
987.5
2
966.4
200
400
600
800
1000
1. (CC) gcc options: -lm -ldl -rdynamic -shared -lSDL2 -O2 -pipe -fomit-frame-pointer -std=gnu99 -fno-strict-aliasing -fwrapv -fvisibility=hidden -MMD -mf
yquake2 8.0
Renderer: Vulkan - Resolution: 2560 x 1440
Frames Per Second, More Is Better
1
989.0
2
990.6
200
400
600
800
1000
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: Vulkan - Resolution: 3840 x 2160
Frames Per Second, More Is Better
1
987.5
2
989.0
200
400
600
800
1000
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
837.1
2
799.0
200
400
600
800
1000
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: 2560 x 1440
Frames Per Second, More Is Better
1
661.8
2
660.4
140
280
420
560
700
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: 3840 x 2160
Frames Per Second, More Is Better
1
315.7
2
315.4
70
140
210
280
350
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
975.3
2
981.4
200
400
600
800
1000
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: 2560 x 1440
Frames Per Second, More Is Better
1
795
2
802
200
400
600
800
1000
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: 3840 x 2160
Frames Per Second, More Is Better
1
366.0
2
371.1
80
160
240
320
400
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

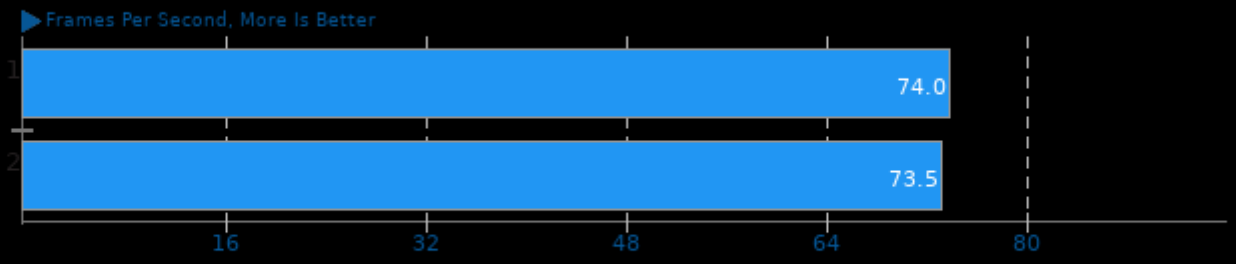
Renderer: Software CPU - Resolution: 1920 x 1080



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

yquake2 8.0

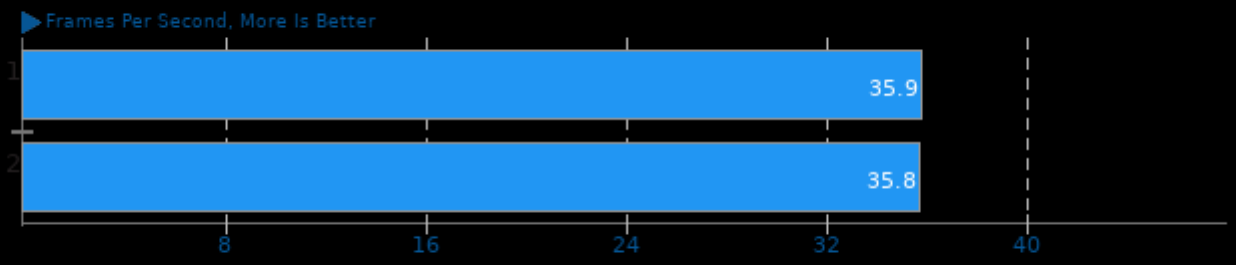
Renderer: Software CPU - Resolution: 2560 x 1440



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

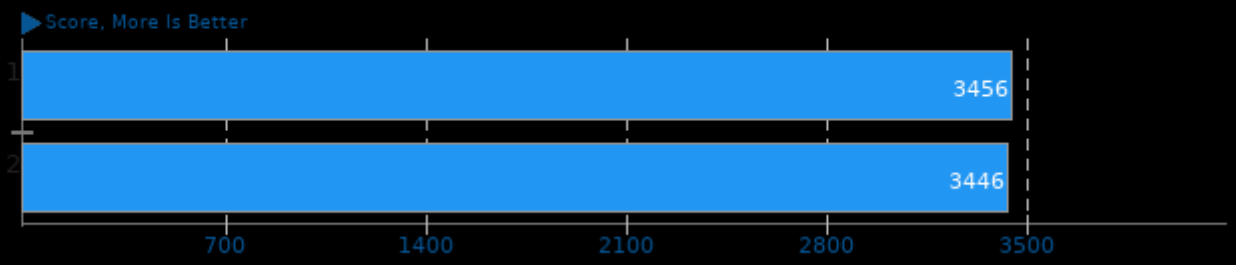
Renderer: Software CPU - Resolution: 3840 x 2160

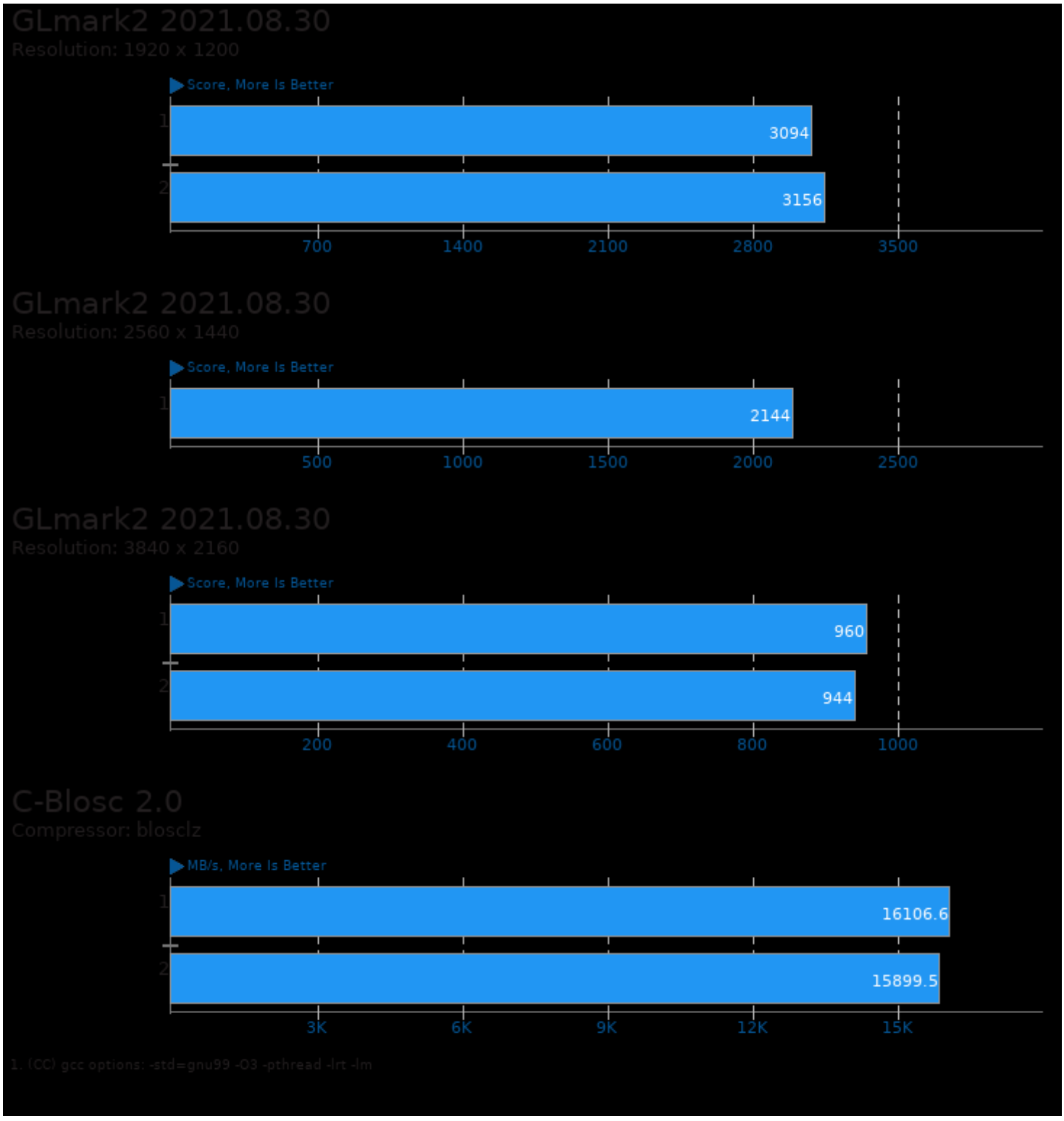


1. (CC) gcc options: -lm -ldl -rdynamic -shared -lSDL2 -O2 -pipe -fomit-frame-pointer -std=gnu99 -fno-strict-aliasing -fwrapv -fvisibility=hidden -MMD -mf

GLmark2 2021.08.30

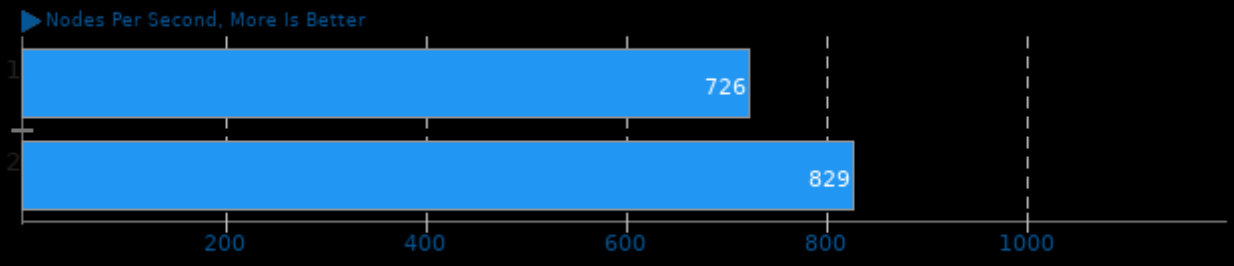
Resolution: 1920 x 1080




GLmark2 2021.08.30
Resolution: 1920 x 1200
Score, More Is Better
1
3094
2
3156
700
1400
2100
2800
3500
GLmark2 2021.08.30
Resolution: 2560 x 1440
Score, More Is Better
1
2144
500
1000
1500
2000
2500
GLmark2 2021.08.30
Resolution: 3840 x 2160
Score, More Is Better
1
960
2
944
200
400
600
800
1000
C-Blosc 2.0
Compressor: blosclz
MB/s, More Is Better
1
16106.6
2
15899.5
3K
6K
9K
12K
15K
1. (CC) gcc options: -std=gnu99 -O3 -pthread -lrt -lm

LeelaChessZero 0.28

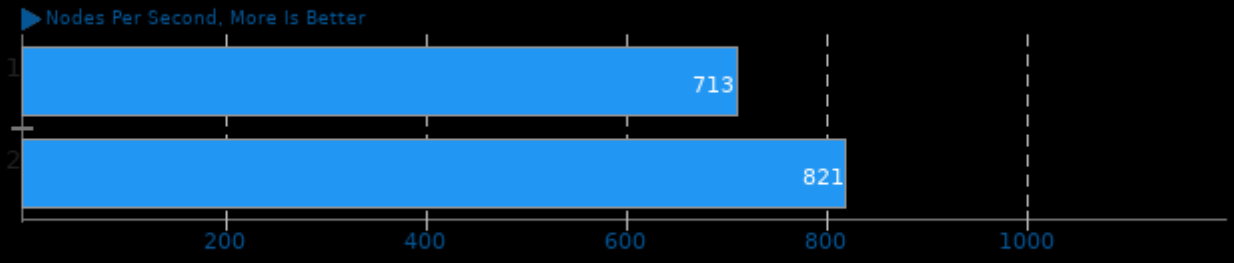
Backend: BLAS



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

LeelaChessZero 0.28

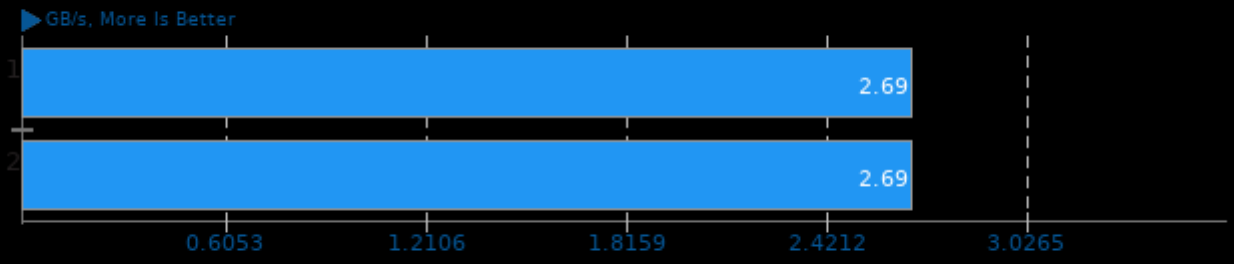
Backend: Eigen



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

simdjson 1.0

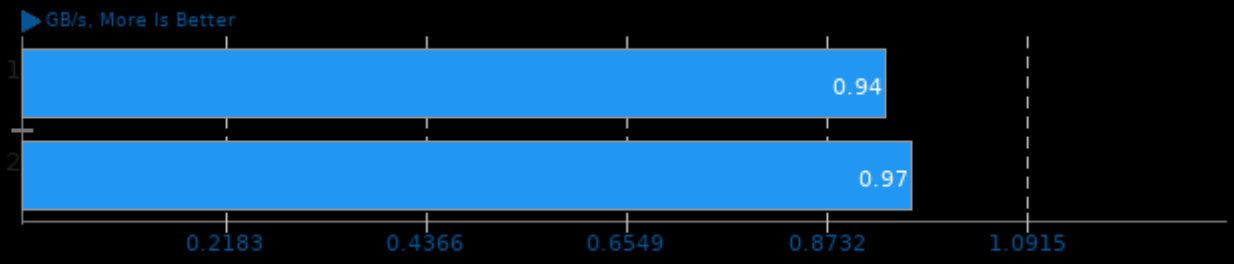
Throughput Test: Kostya



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

simdjson 1.0

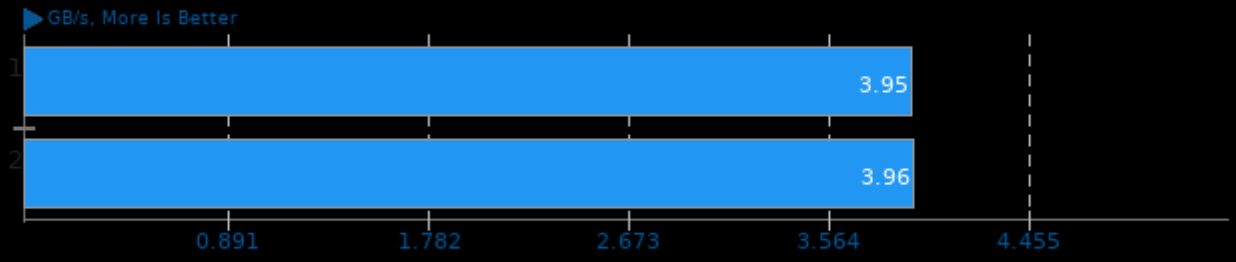
Throughput Test: LargeRandom



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

simdjson 1.0

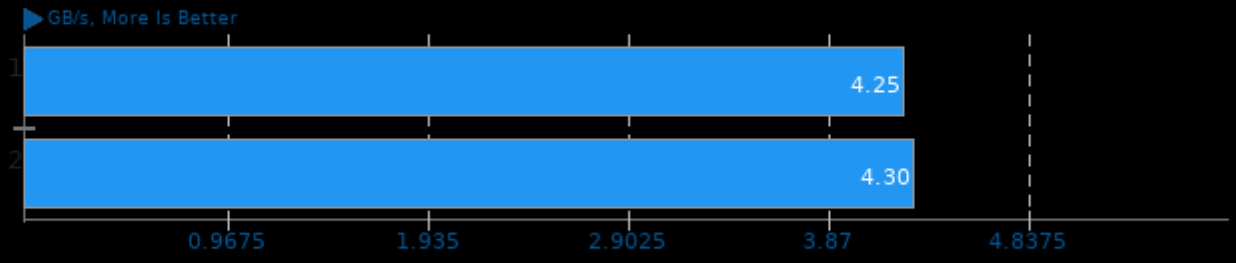
Throughput Test: PartialTweets



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

simdjson 1.0

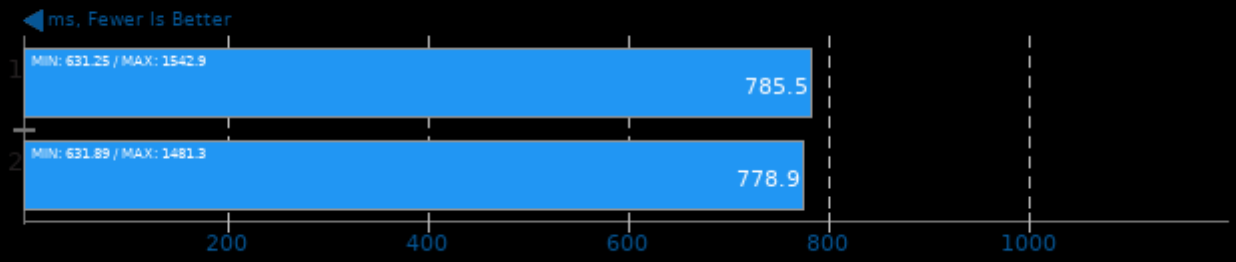
Throughput Test: DistinctUserID



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

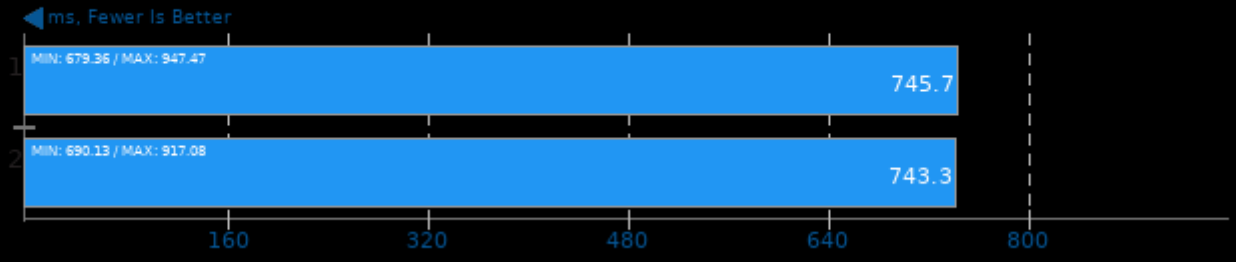
Renaissance 0.12

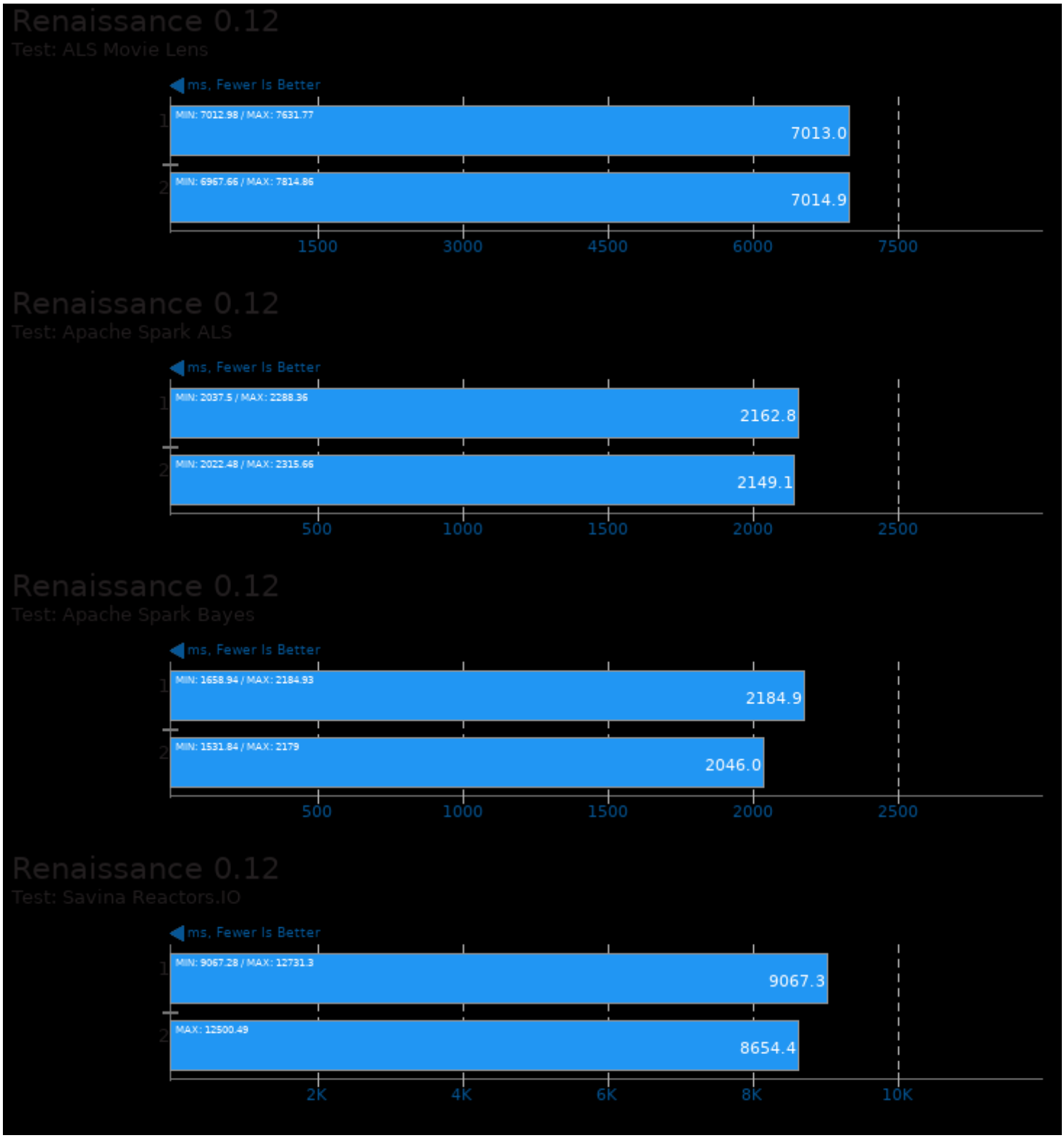
Test: Scala Dotty

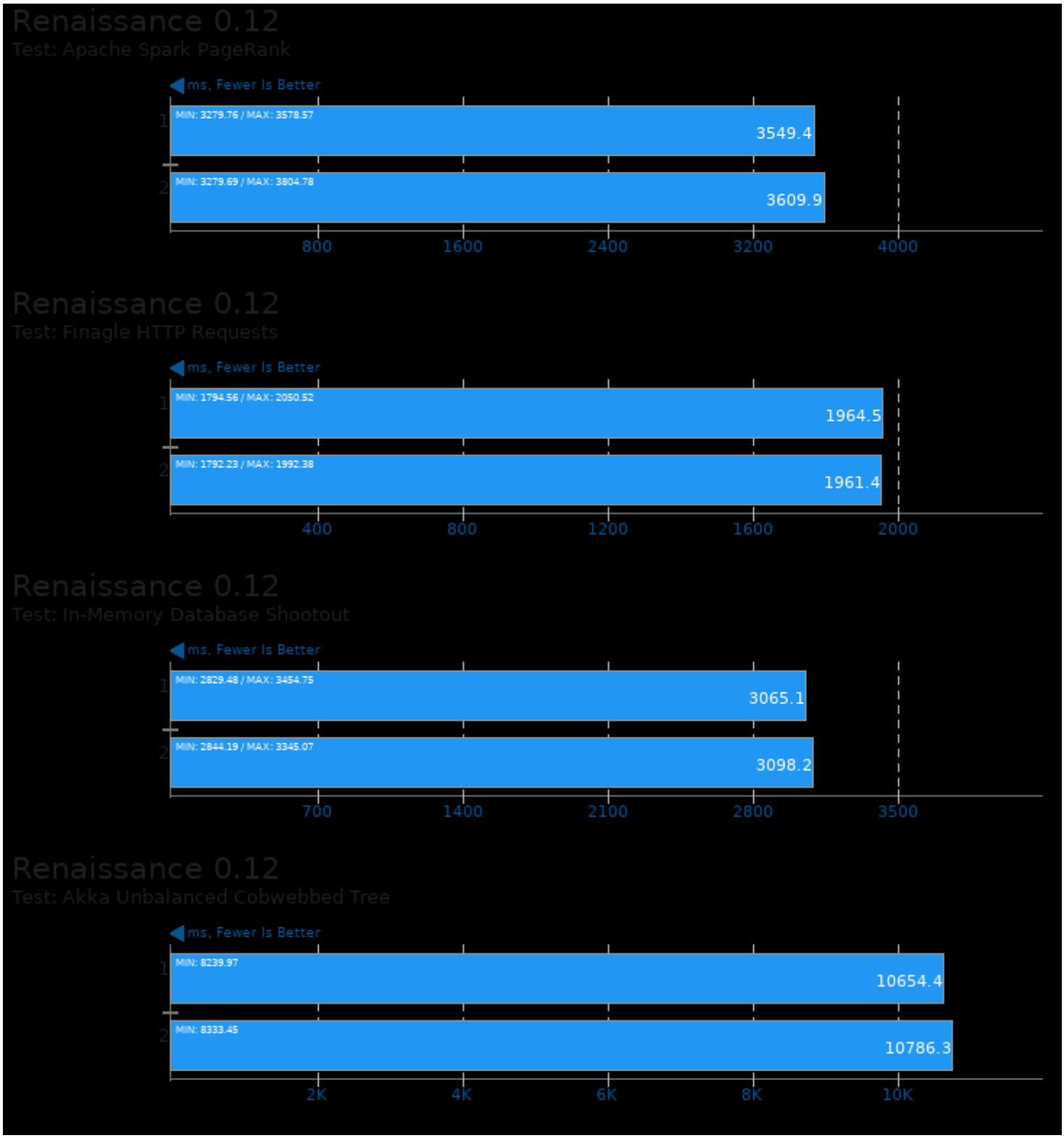


Renaissance 0.12

Test: Random Forest

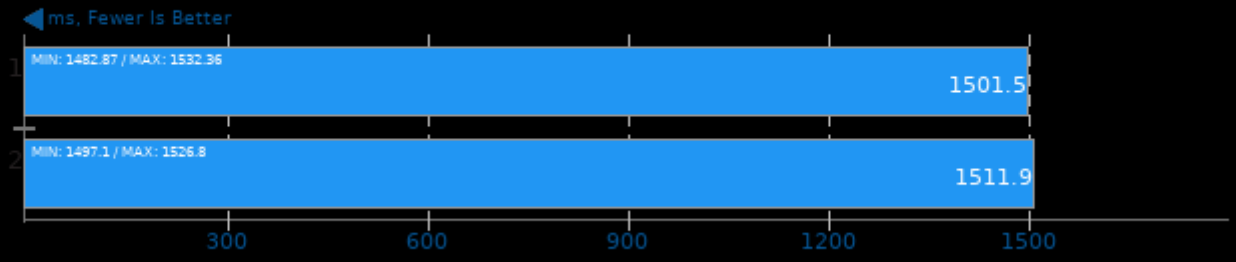



Renaissance 0.12
Test: ALS Movie Lens
ms, Fewer Is Better
1
MIN: 7012.98 / MAX: 7631.77
7013.0
2
MIN: 6967.66 / MAX: 7814.86
7014.9
1500
3000
4500
6000
7500
Renaissance 0.12
Test: Apache Spark ALS
ms, Fewer Is Better
1
MIN: 2037.5 / MAX: 2288.36
2162.8
2
MIN: 2022.48 / MAX: 2315.66
2149.1
500
1000
1500
2000
2500
Renaissance 0.12
Test: Apache Spark Bayes
ms, Fewer Is Better
1
MIN: 1658.94 / MAX: 2184.93
2184.9
2
MIN: 1531.84 / MAX: 2179
2046.0
500
1000
1500
2000
2500
Renaissance 0.12
Test: Savina Reactors.IO
ms, Fewer Is Better
1
MIN: 9067.28 / MAX: 12731.3
9067.3
2
MAX: 12500.49
8654.4
2K
4K
6K
8K
10K


Renaissance 0.12
Test: Apache Spark PageRank
ms, Fewer Is Better
1
MIN: 3279.76 / MAX: 3578.57
3549.4
2
MIN: 3279.69 / MAX: 3804.78
3609.9
800
1600
2400
3200
4000
Renaissance 0.12
Test: Finagle HTTP Requests
ms, Fewer Is Better
1
MIN: 1794.56 / MAX: 2050.52
1964.5
2
MIN: 1792.23 / MAX: 1992.38
1961.4
400
800
1200
1600
2000
Renaissance 0.12
Test: In-Memory Database Shootout
ms, Fewer Is Better
1
MIN: 2829.48 / MAX: 3454.75
3065.1
2
MIN: 2844.19 / MAX: 3345.07
3098.2
700
1400
2100
2800
3500
Renaissance 0.12
Test: Akka Unbalanced Cobwebbed Tree
ms, Fewer Is Better
1
MIN: 8239.97
10654.4
2
MIN: 8333.45
10786.3
2K
4K
6K
8K
10K

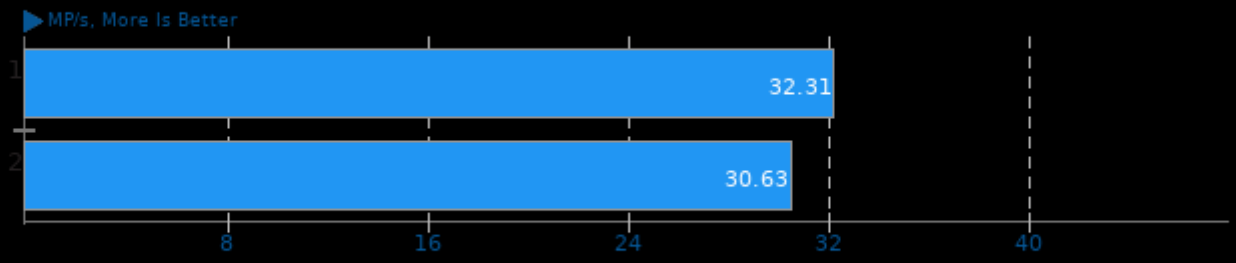
Renaissance 0.12

Test: Genetic Algorithm Using Jenetics + Futures



JPEG XL libjxl 0.5

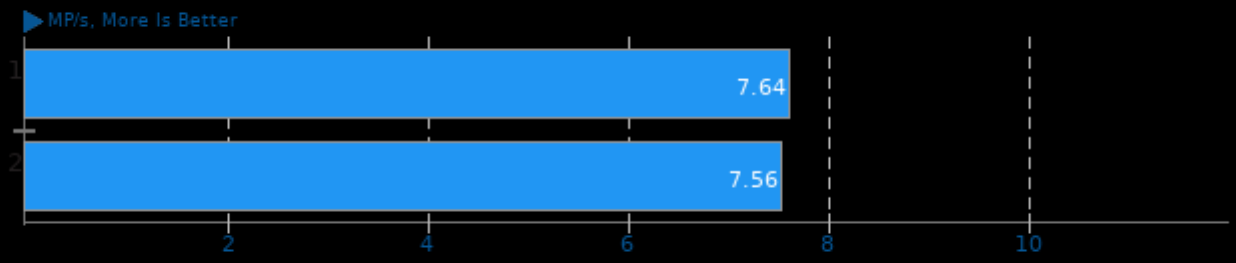
Input: PNG - Encode Speed: 5



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

JPEG XL libjxl 0.5

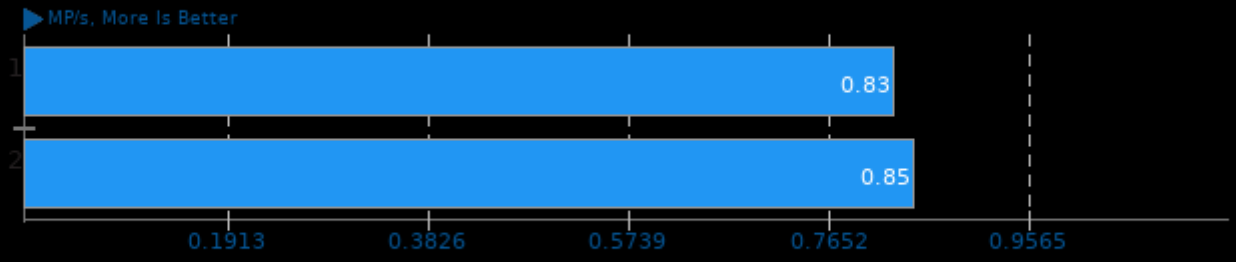
Input: PNG - Encode Speed: 7



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

JPEG XL libjxl 0.5

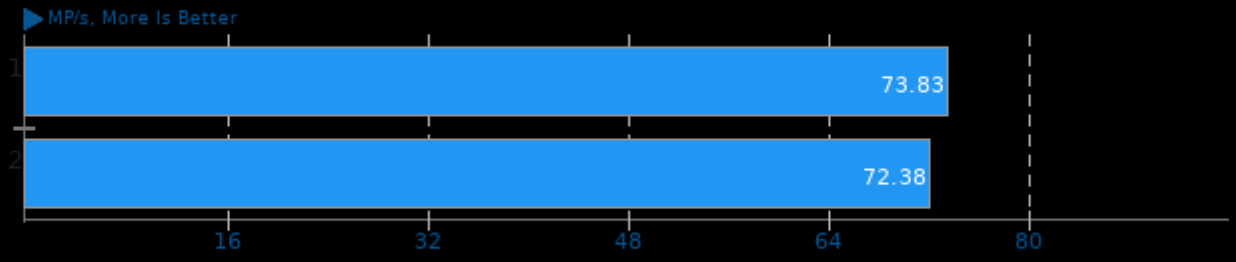
Input: PNG - Encode Speed: 8



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

JPEG XL libjxl 0.5

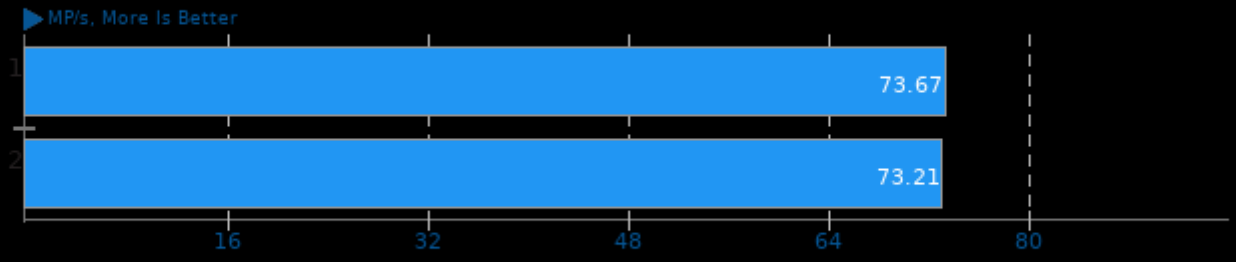
Input: JPEG - Encode Speed: 5



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

JPEG XL libjxl 0.5

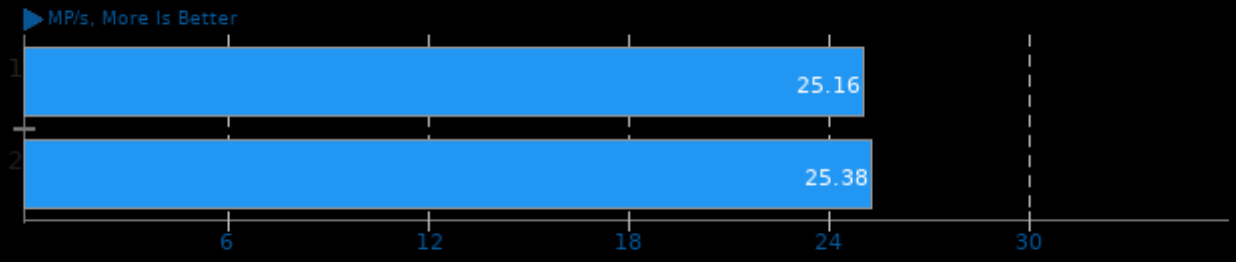
Input: JPEG - Encode Speed: 7



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

JPEG XL libjxl 0.5

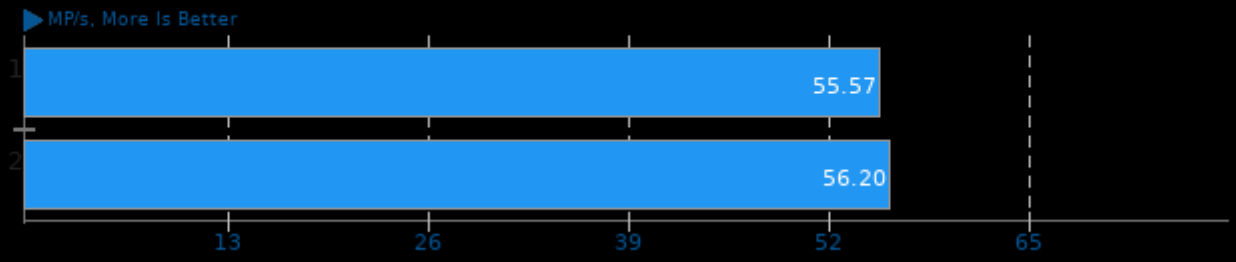
Input: JPEG - Encode Speed: 8



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

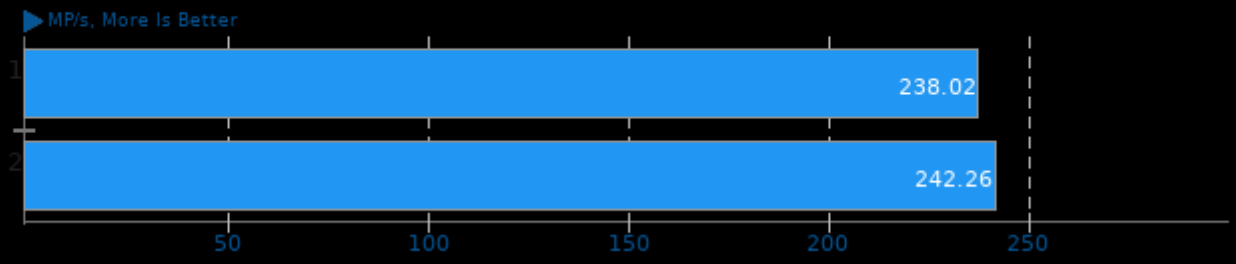
JPEG XL Decoding libjxl 0.5

CPU Threads: 1



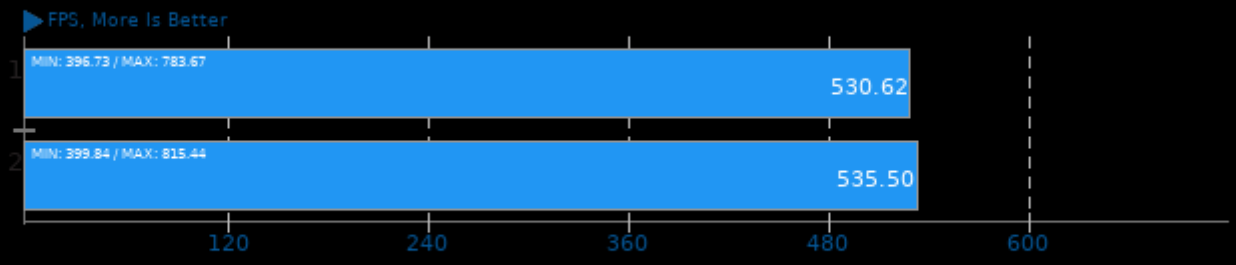
JPEG XL Decoding libjxl 0.5

CPU Threads: All



dav1d 0.9.2

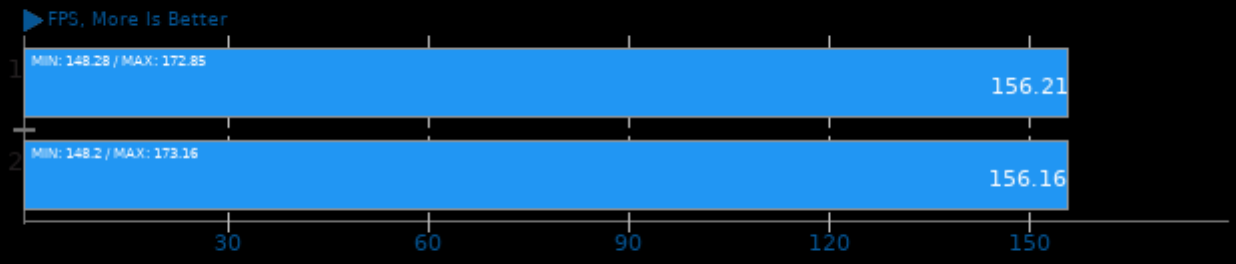
Video Input: Chimera 1080p



1. (CC) gcc options: -pthread

dav1d 0.9.2

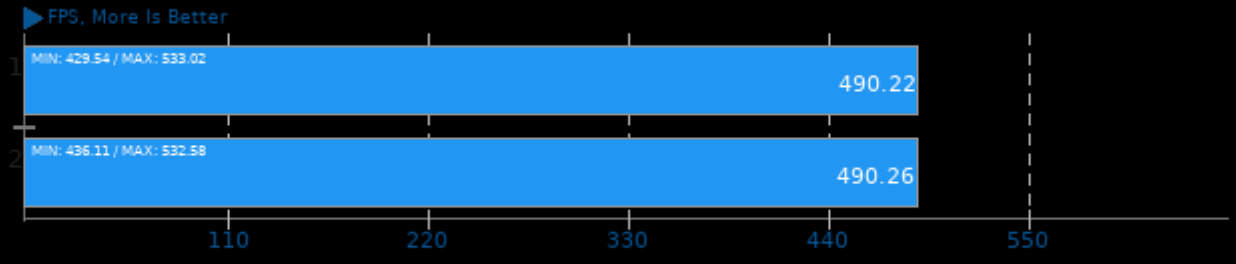
Video Input: Summer Nature 4K



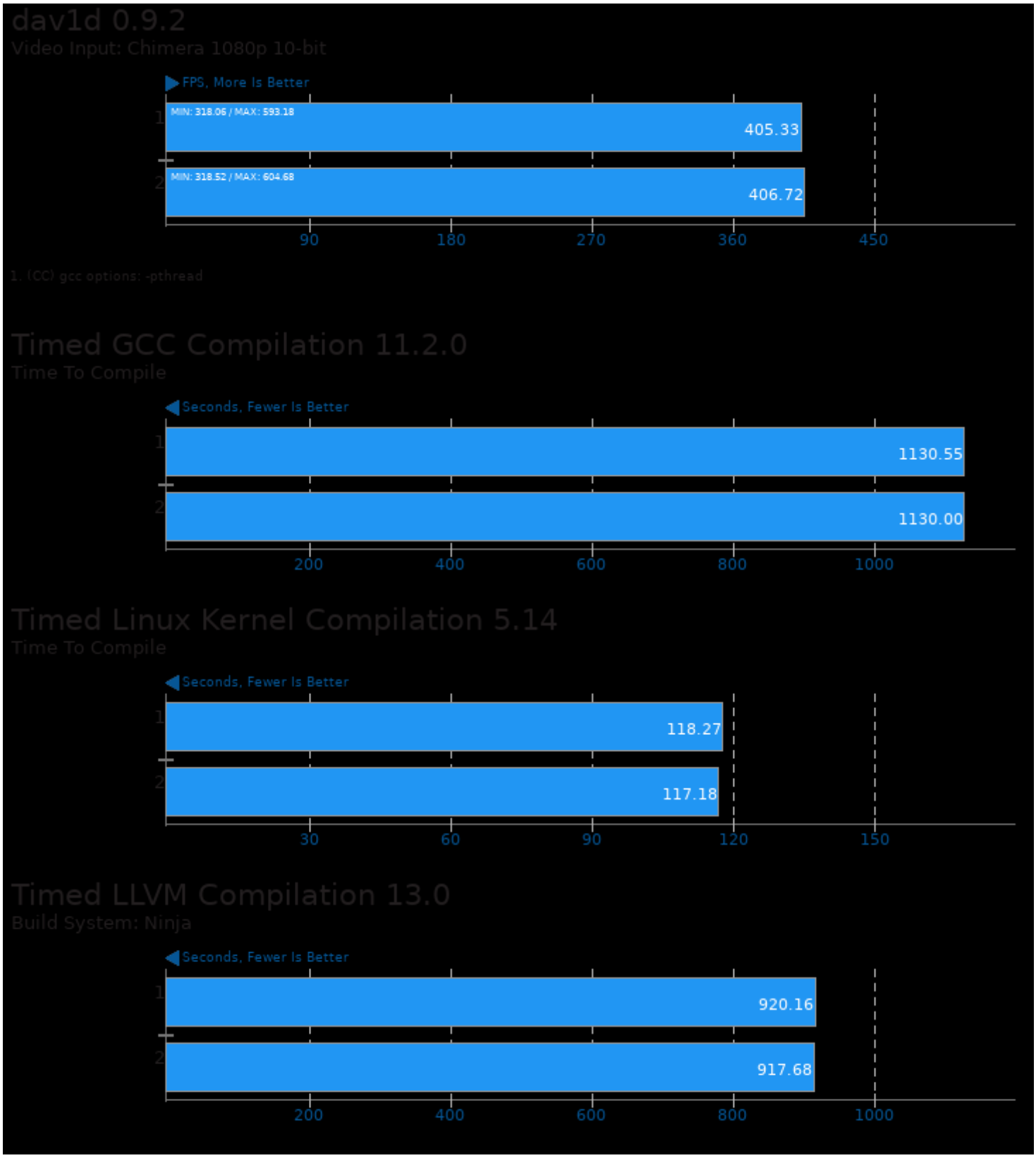
1. (CC) gcc options: -pthread

dav1d 0.9.2

Video Input: Summer Nature 1080p

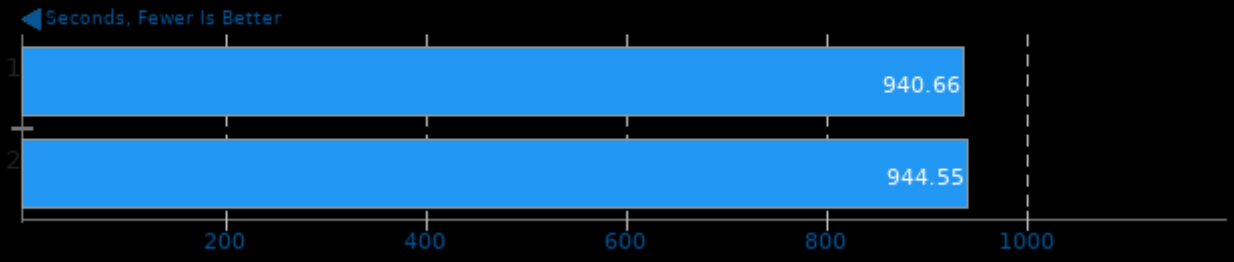


1. (CC) gcc options: -pthread


dav1d 0.9.2
Video Input: Chimera 1080p 10-bit
FPS, More Is Better
1
MIN: 318.06 / MAX: 593.18
405.33
2
MIN: 318.52 / MAX: 604.68
406.72
90
180
270
360
450
1. (CC) gcc options: -pthread
Timed GCC Compilation 11.2.0
Time To Compile
Seconds, Fewer Is Better
1
1130.55
2
1130.00
200
400
600
800
1000
Timed Linux Kernel Compilation 5.14
Time To Compile
Seconds, Fewer Is Better
1
118.27
2
117.18
30
60
90
120
150
Timed LLVM Compilation 13.0
Build System: Ninja
Seconds, Fewer Is Better
1
920.16
2
917.68
200
400
600
800
1000

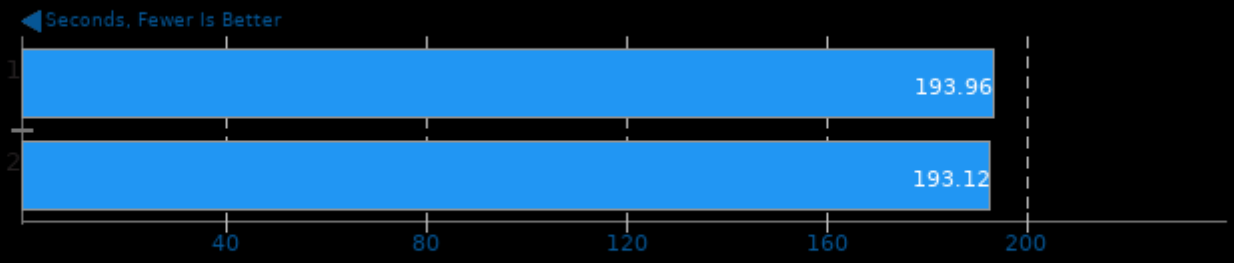
Timed LLVM Compilation 13.0

Build System: Unix Makefiles



YafaRay 3.5.1

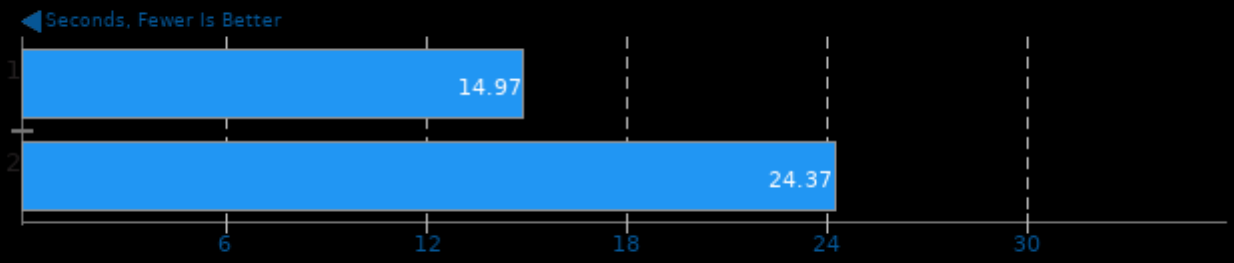
Total Time For Sample Scene



1. (CXX) g++ options: -std=c++11 -pthread -O3 -ffast-math -rdynamic -ldl -lImath -lIlmImf -lIex -lHalf -lz -lIlmThread -lxml2 -lfreetype

FLAC Audio Encoding 1.3.3

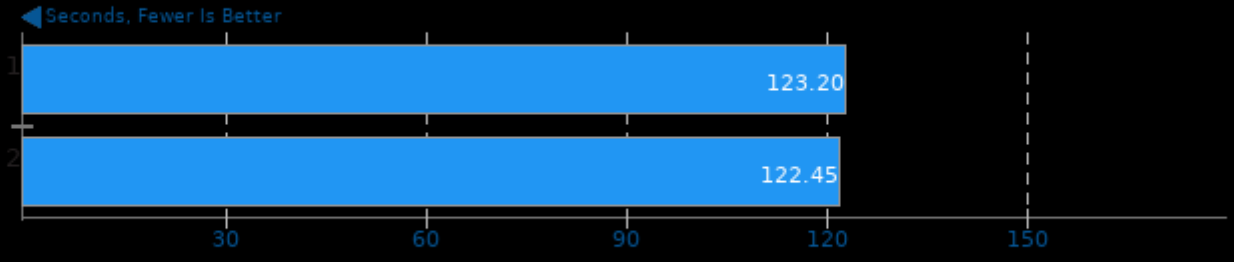
WAV To FLAC



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

Tachyon 0.99b6

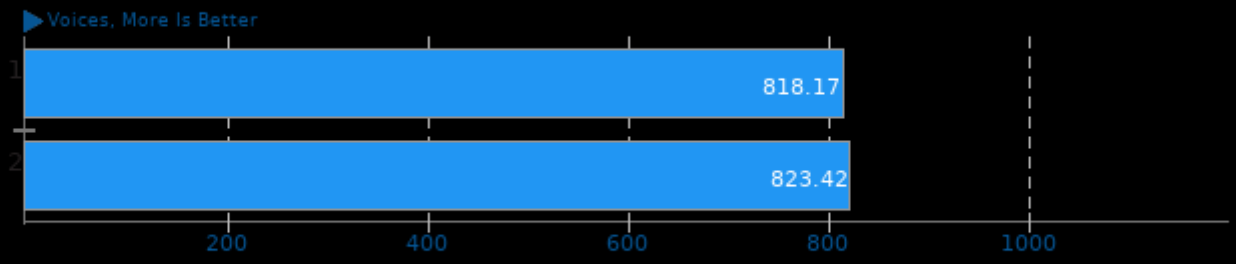
Total Time



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

Google SynthMark 20201109

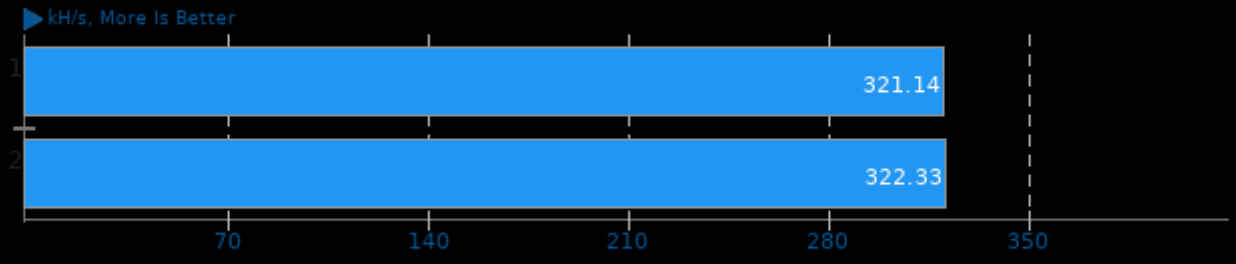
Test: VoiceMark_100



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

Cpuminer-Opt 3.18

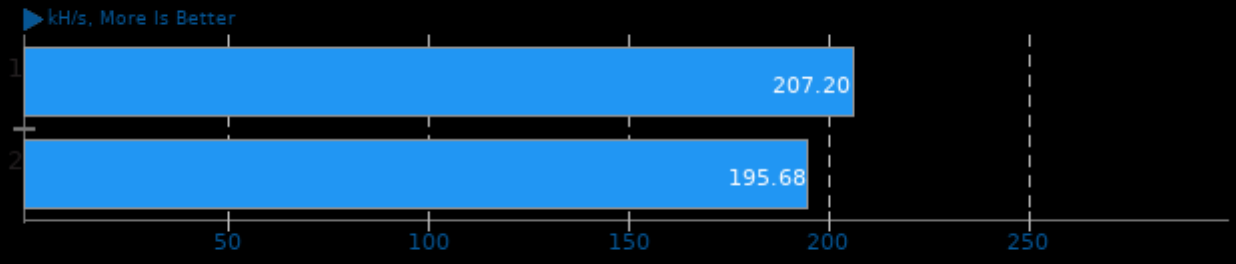
Algorithm: Magi



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

Cpuminer-Opt 3.18

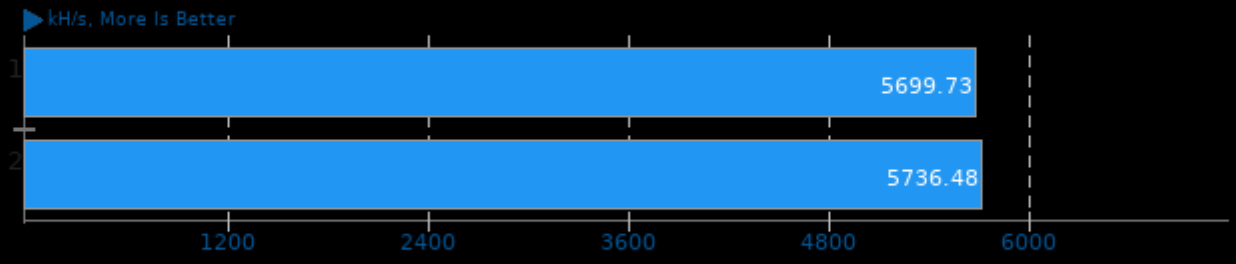
Algorithm: x25x



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

Cpuminer-Opt 3.18

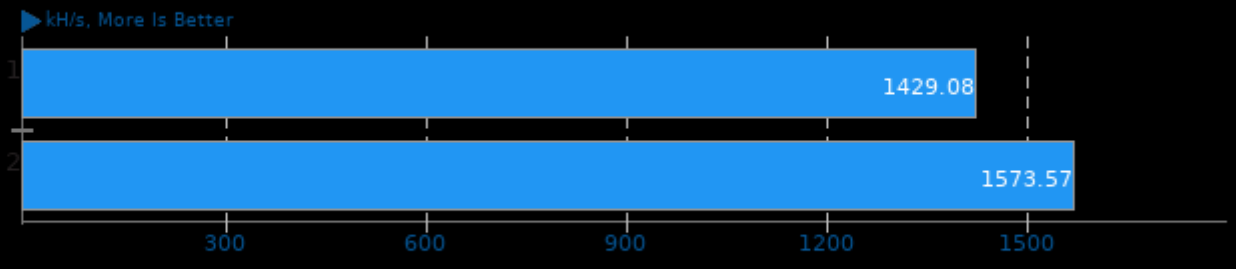
Algorithm: Deepcoin



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

Cpuminer-Opt 3.18

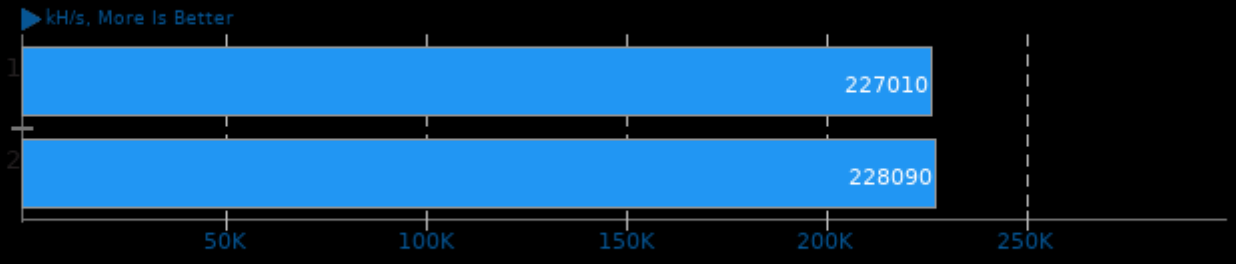
Algorithm: Ringcoin



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

Cpuminer-Opt 3.18

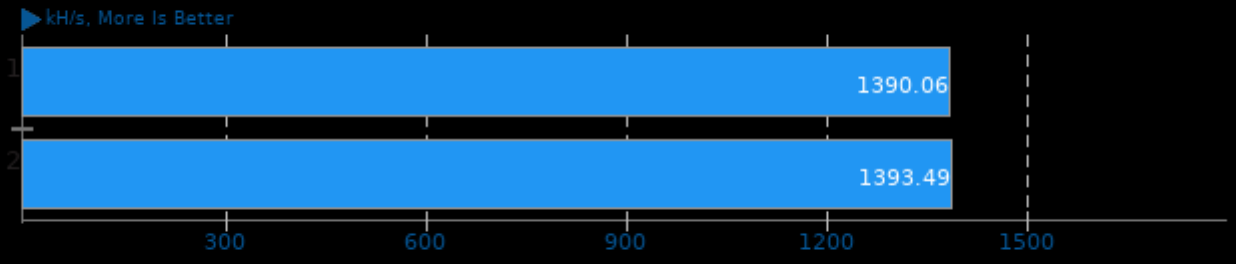
Algorithm: Blake-2 S



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

Cpuminer-Opt 3.18

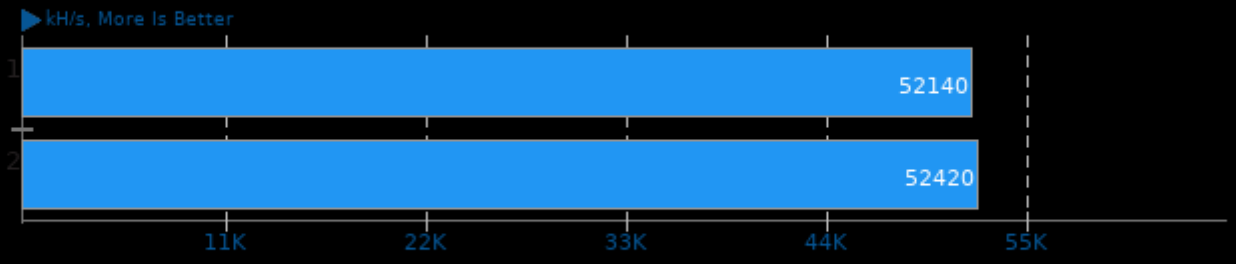
Algorithm: Garlicoin



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

Cpuminer-Opt 3.18

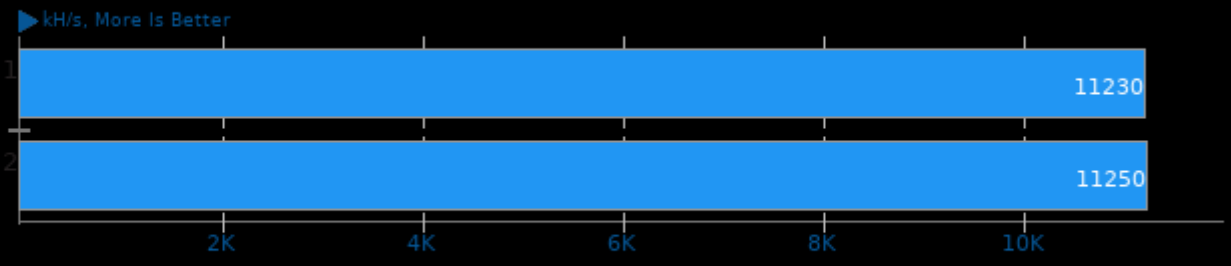
Algorithm: Skeincoin



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

Cpuminer-Opt 3.18

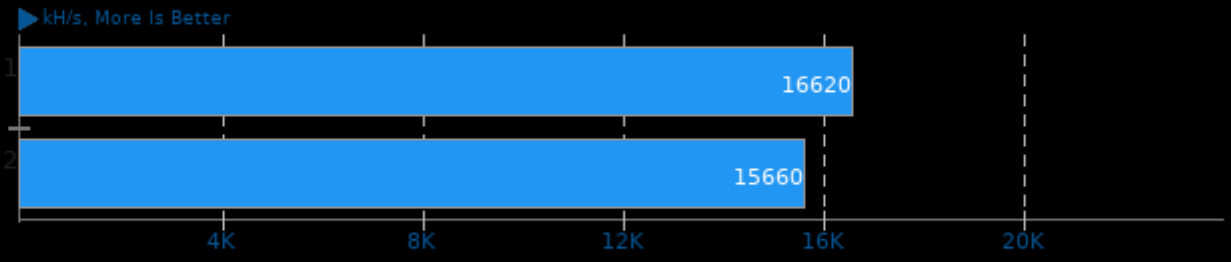
Algorithm: Myriad-Groestl



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

Cpuminer-Opt 3.18

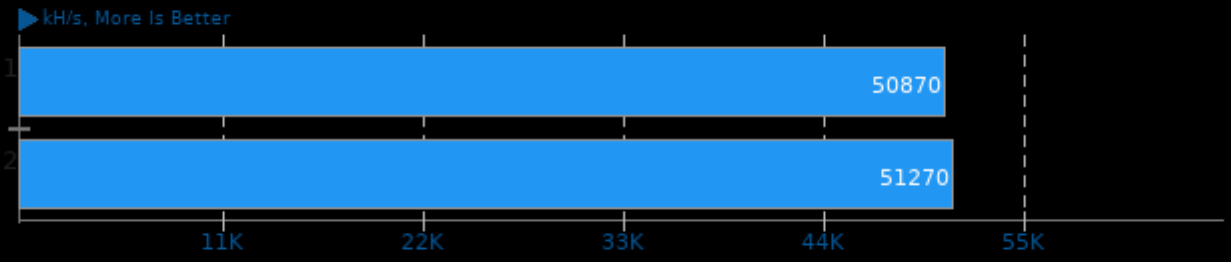
Algorithm: LBC, LBRY Credits



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

Cpuminer-Opt 3.18

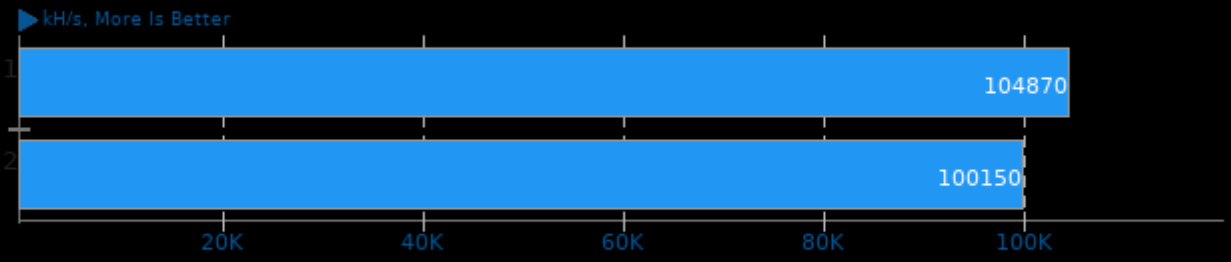
Algorithm: Quad SHA-256, Pyrite



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

Cpuminer-Opt 3.18

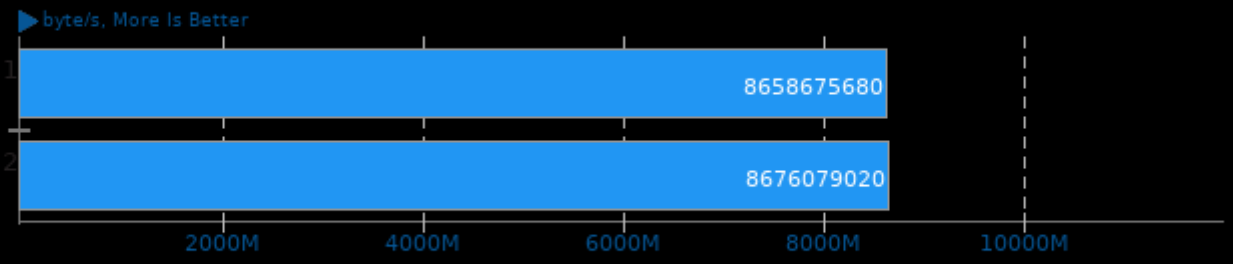
Algorithm: Triple SHA-256, Onecoin



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

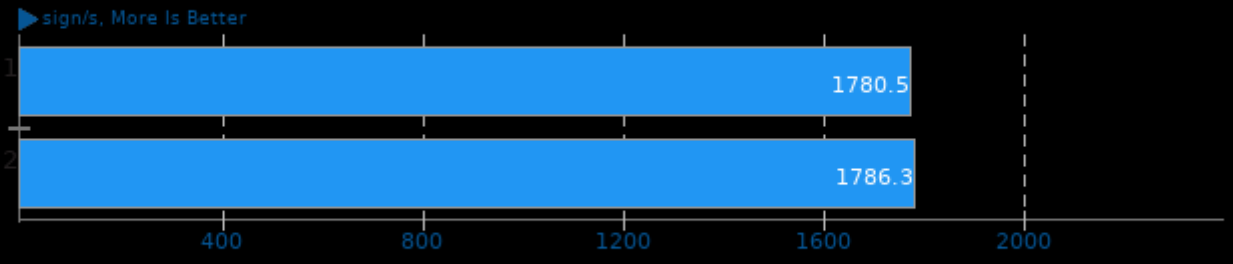
3600X Okt

OpenSSL 3.0
Algorithm: SHA256



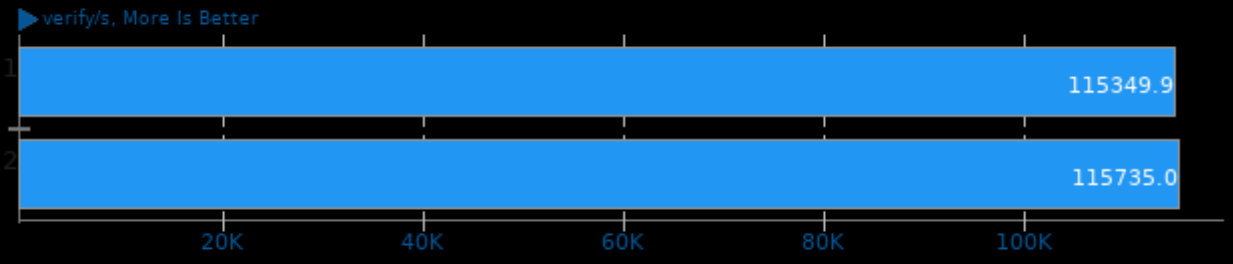
1. (CC) gcc options: -pthread -m64 -O3 -lssl -lcrypto -ldl

OpenSSL 3.0
Algorithm: RSA4096



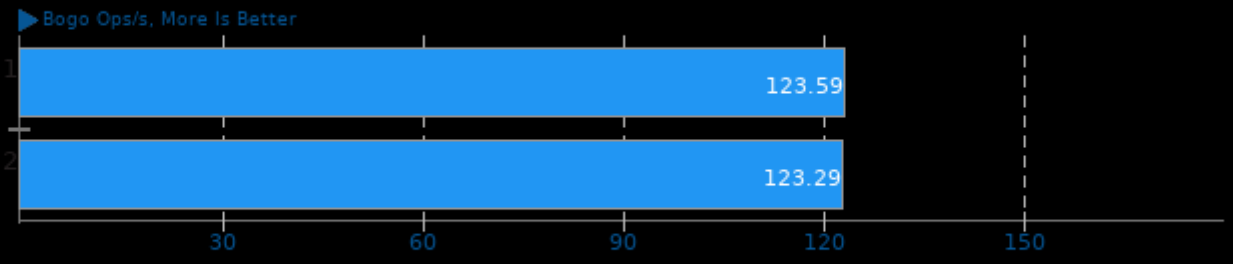
1. (CC) gcc options: -pthread -m64 -O3 -lssl -lcrypto -ldl

OpenSSL 3.0
Algorithm: RSA4096



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

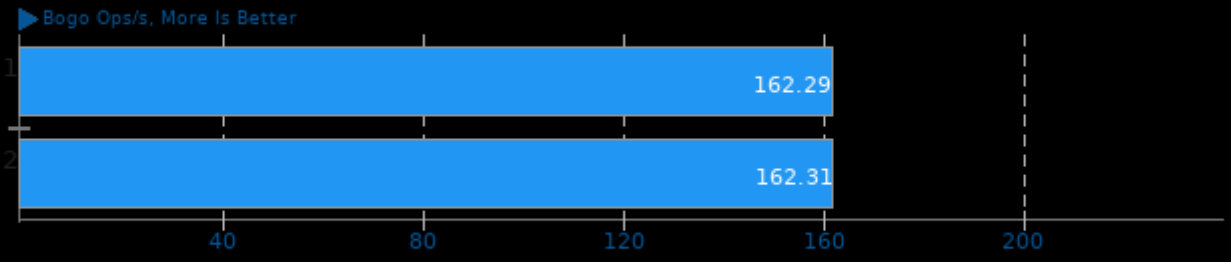
Stress-NG 0.13.02
Test: MMAP



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

Stress-NG 0.13.02

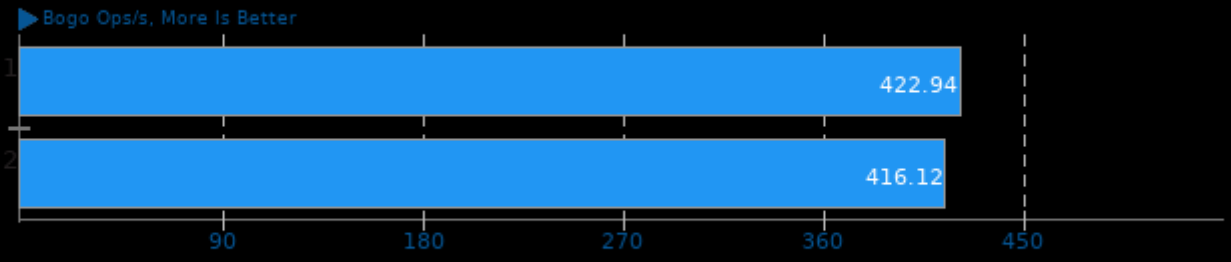
Test: NUMA



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

Stress-NG 0.13.02

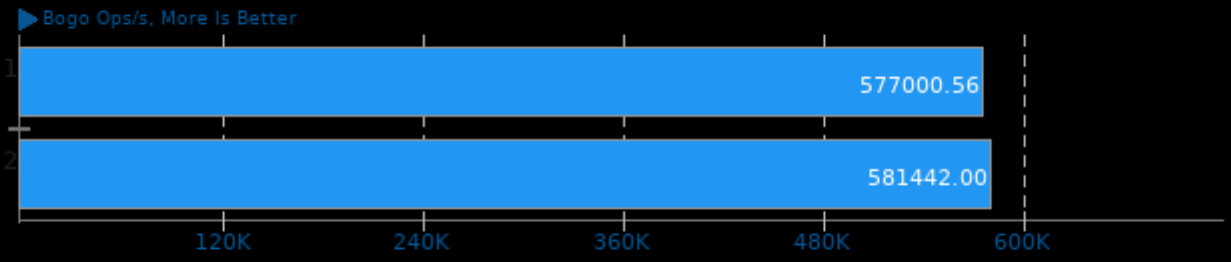
Test: MEMFD



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

Stress-NG 0.13.02

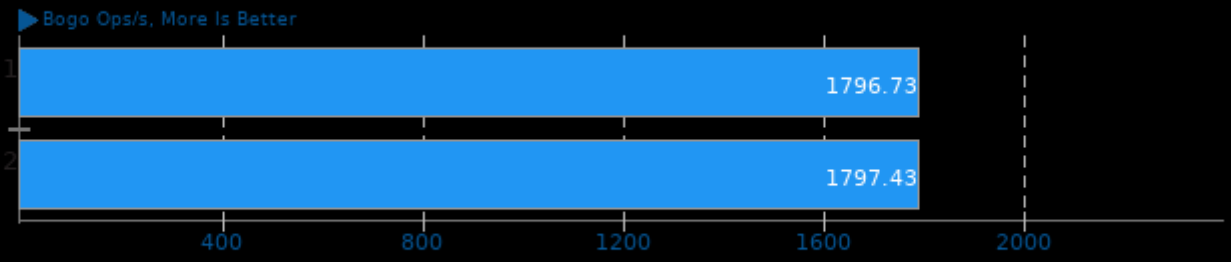
Test: Atomic



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

Stress-NG 0.13.02

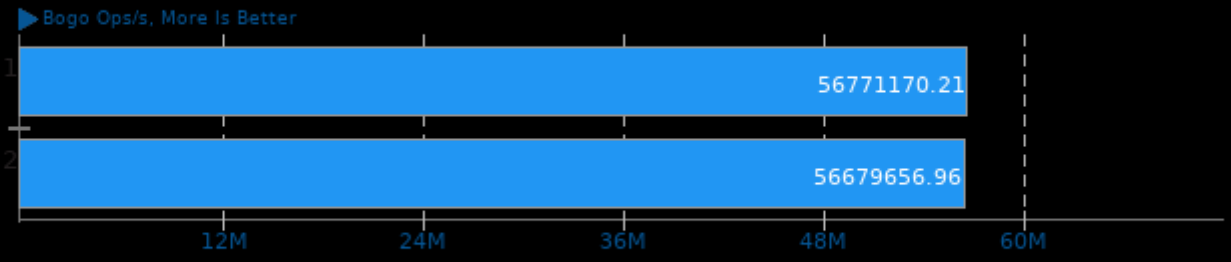
Test: Crypto



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

Stress-NG 0.13.02

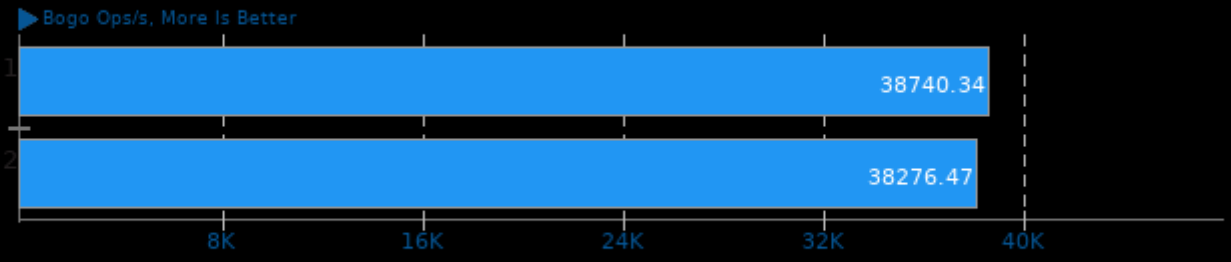
Test: Malloc



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

Stress-NG 0.13.02

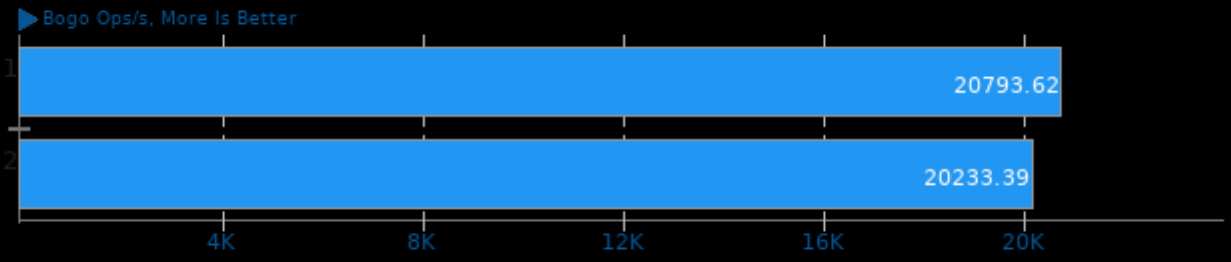
Test: Forking



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

Stress-NG 0.13.02

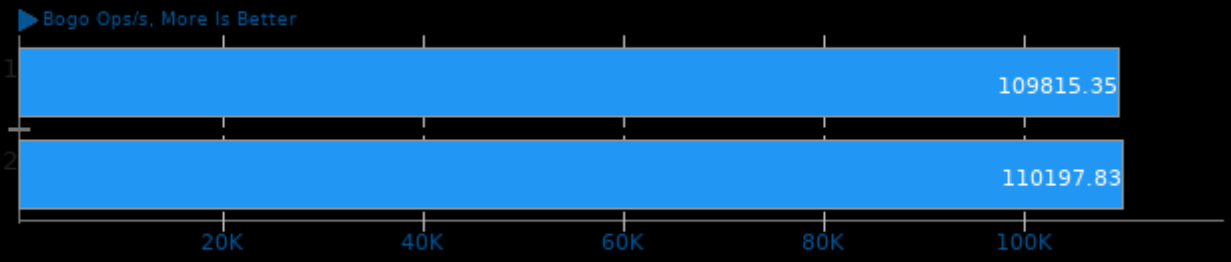
Test: IO_uring



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

Stress-NG 0.13.02

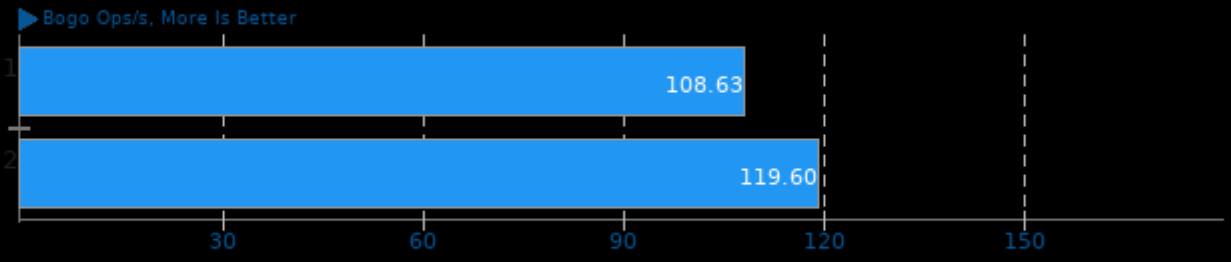
Test: SENDFILE



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

Stress-NG 0.13.02

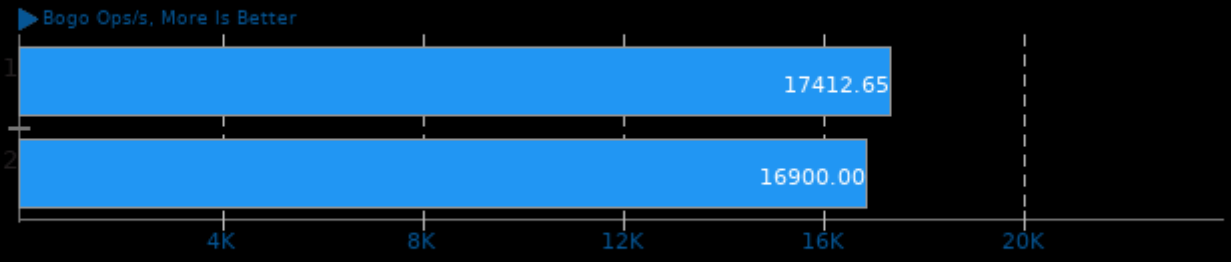
Test: CPU Cache



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

Stress-NG 0.13.02

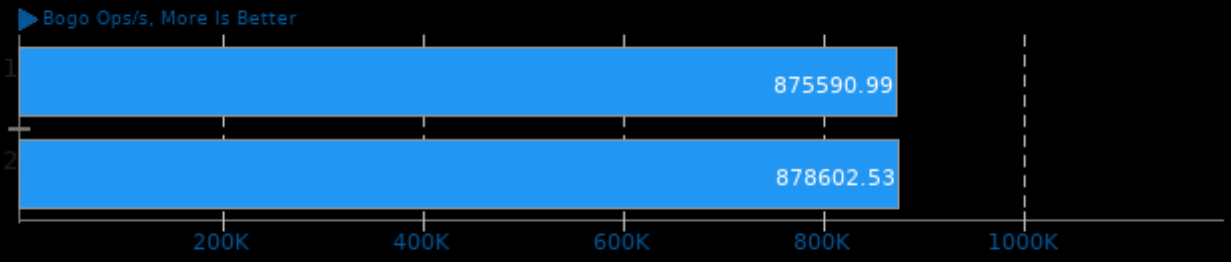
Test: CPU Stress



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

Stress-NG 0.13.02

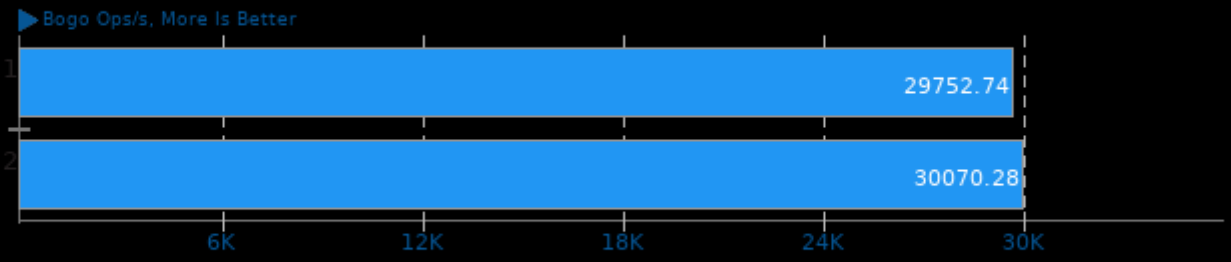
Test: Semaphores



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

Stress-NG 0.13.02

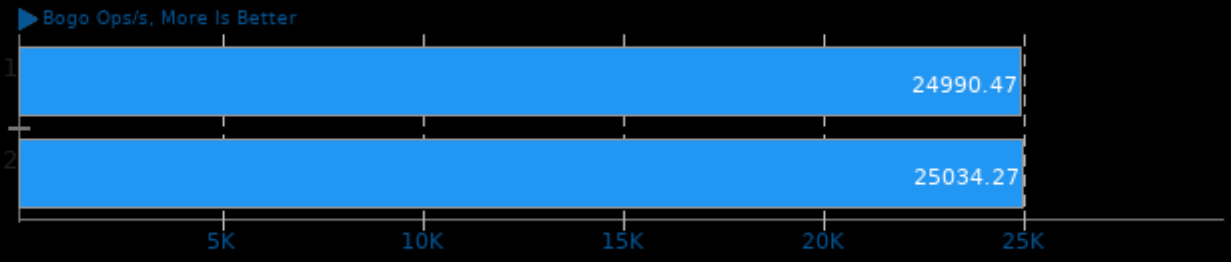
Test: Matrix Math



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

Stress-NG 0.13.02

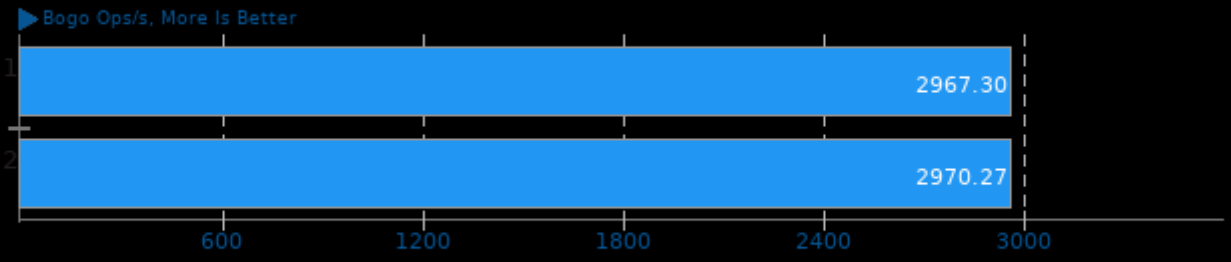
Test: Vector Math



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

Stress-NG 0.13.02

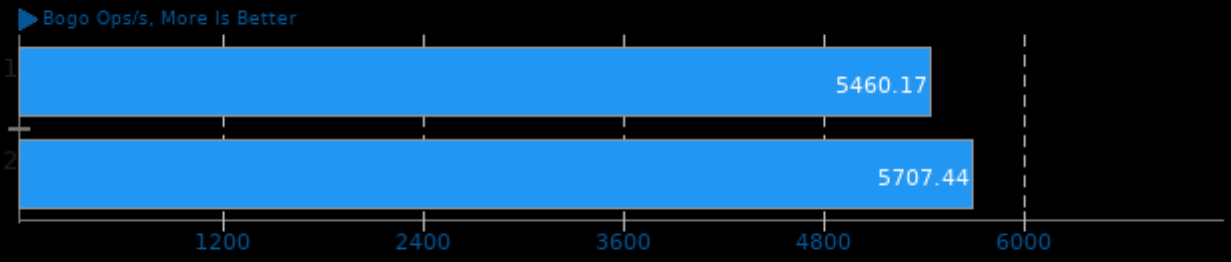
Test: Memory Copying



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

Stress-NG 0.13.02

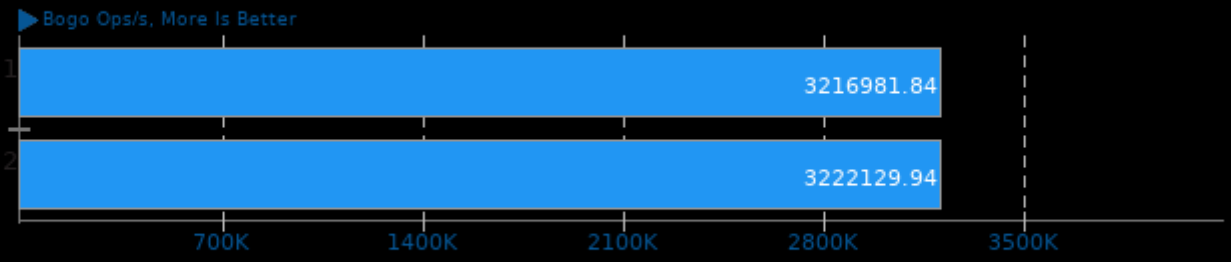
Test: Socket Activity



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

Stress-NG 0.13.02

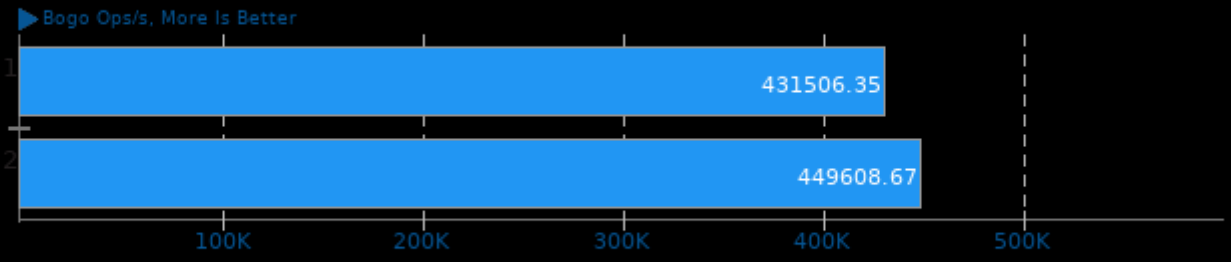
Test: Context Switching



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

Stress-NG 0.13.02

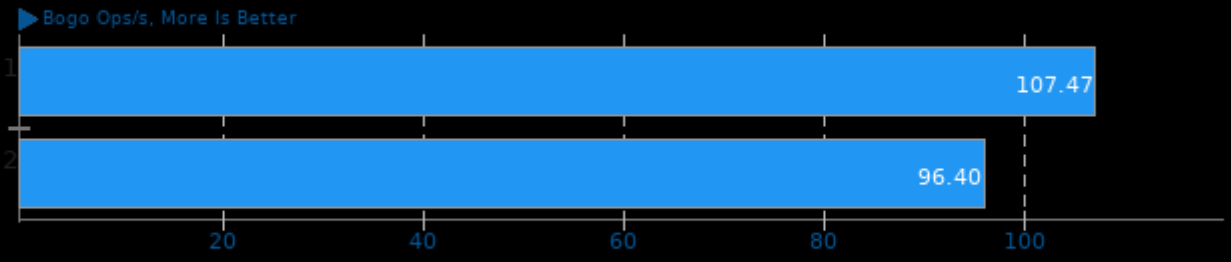
Test: Glibc C String Functions



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

Stress-NG 0.13.02

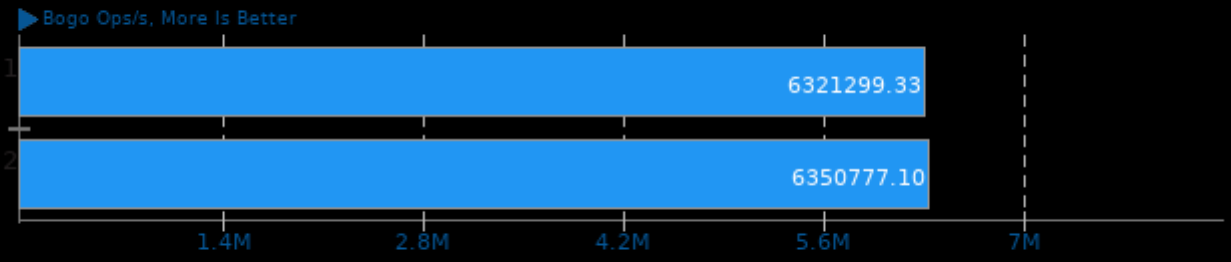
Test: Glibc Qsort Data Sorting



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

Stress-NG 0.13.02

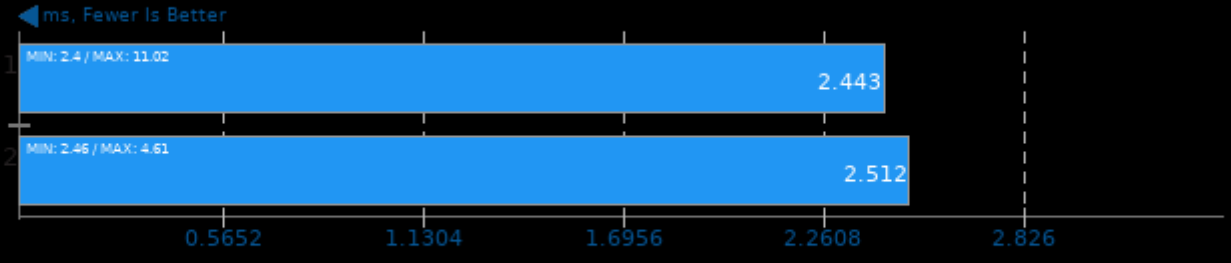
Test: System V Message Passing



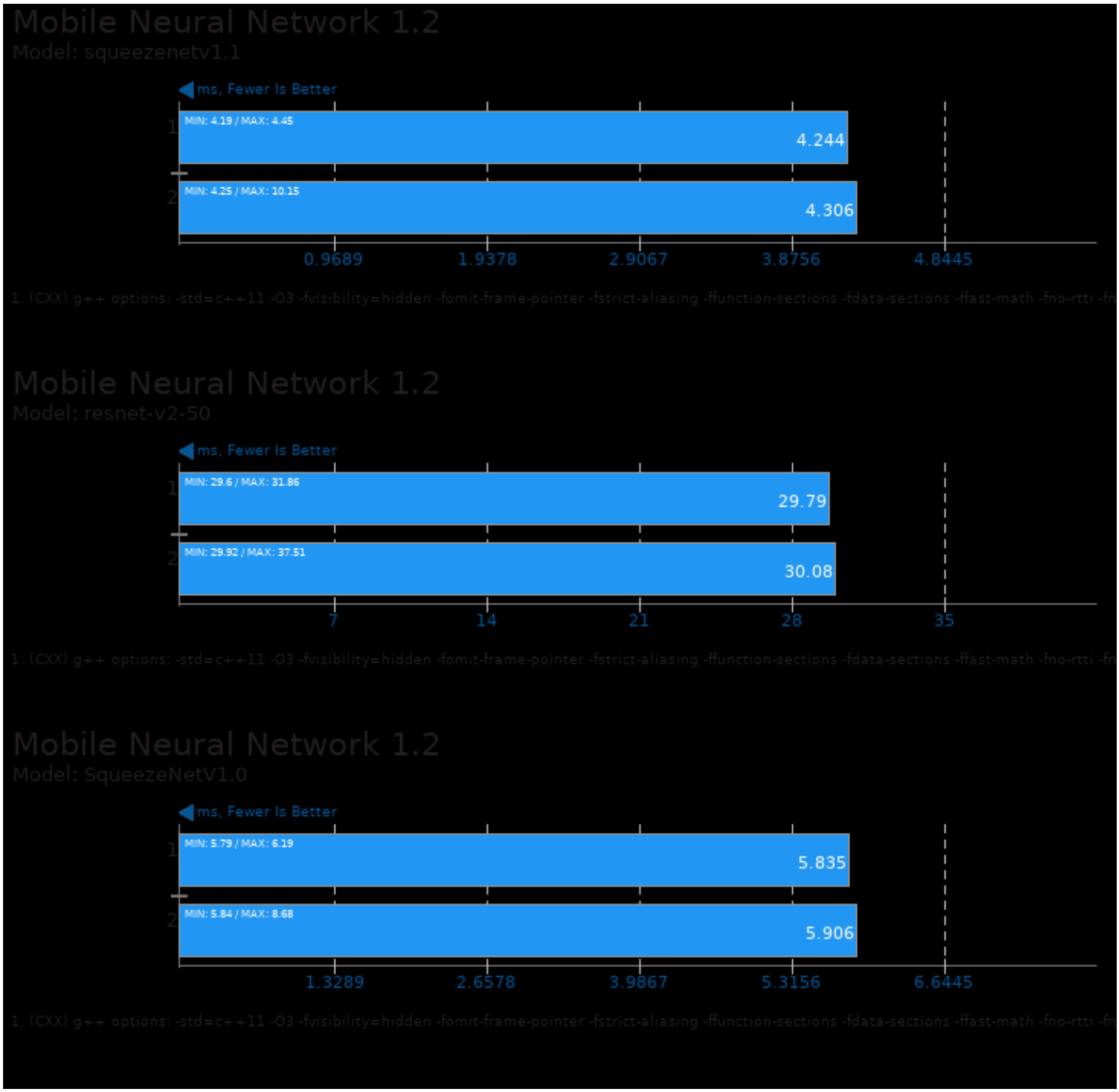
1. (CC) gcc options: -O2 -std=gnu99 -lm -laio -lbsd -lcrypt -lrt -lsctp -lz -ldl -pthread -lc -latomic

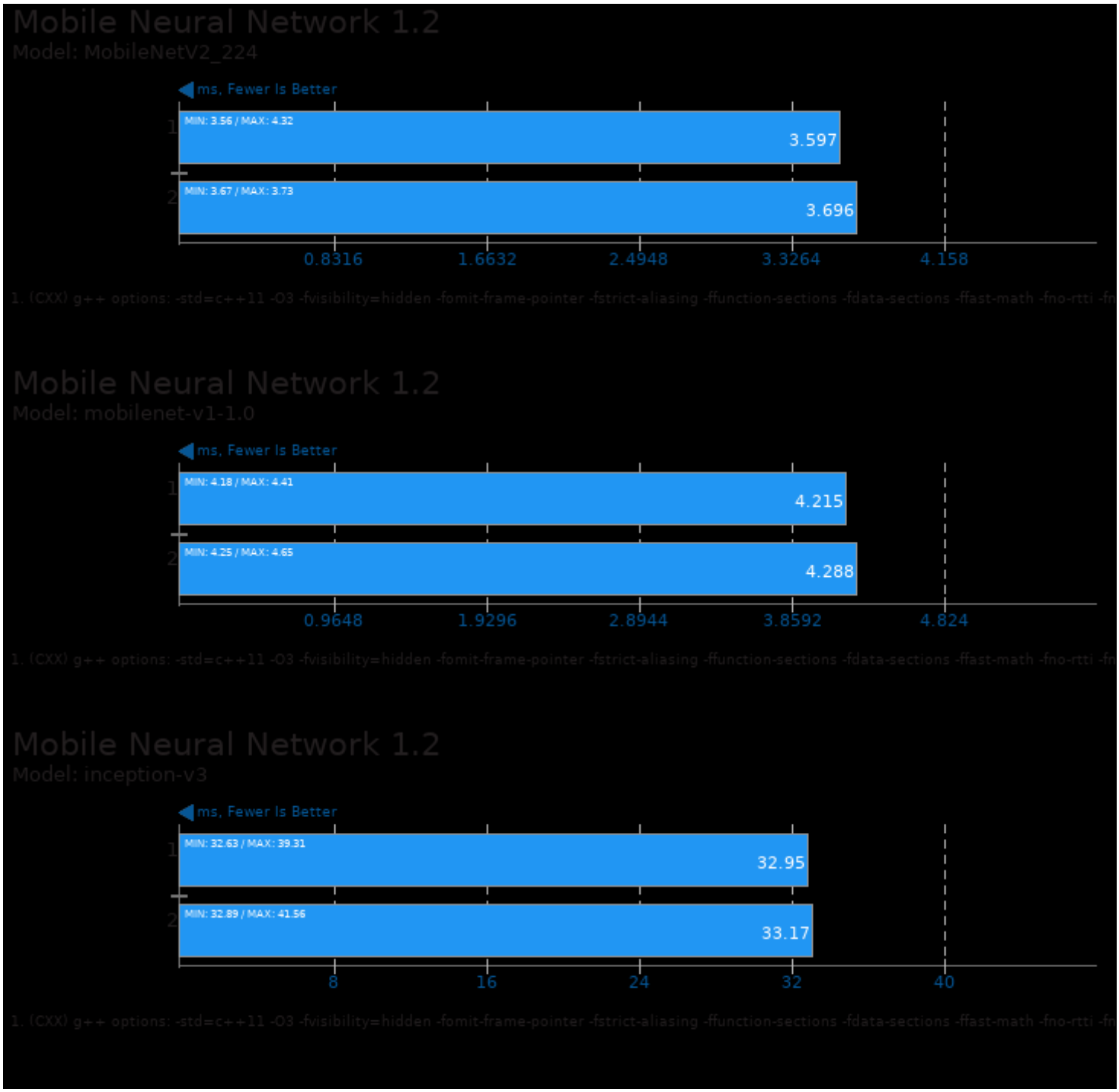
Mobile Neural Network 1.2

Model: mobilenetV3



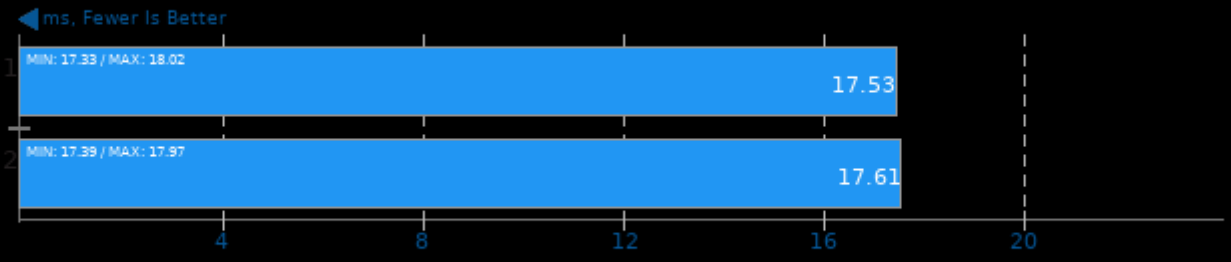
1. (CXX) g++ options: -std=c++11 -O3 -fvisibility=hidden -fomit-frame-pointer -fstrict-aliasing -ffunction-sections -fdata-sections -ffast-math -fno-rtti -fv


Mobile Neural Network 1.2
Model: squeezenetv1.1
ms, Fewer Is Better
1
MIN: 4.19 / MAX: 4.45
4.244
2
MIN: 4.25 / MAX: 10.15
4.306
0.9689
1.9378
2.9067
3.8756
4.8445
1. (CXX) g++ options: -std=c++11 -O3 -fvisibility=hidden -fomit-frame-pointer -fstrict-aliasing -ffunction-sections -fdata-sections -ffast-math -fno-rtti -fn
Mobile Neural Network 1.2
Model: resnet-v2-50
ms, Fewer Is Better
1
MIN: 29.6 / MAX: 31.86
29.79
2
MIN: 29.92 / MAX: 37.51
30.08
7
14
21
28
35
1. (CXX) g++ options: -std=c++11 -O3 -fvisibility=hidden -fomit-frame-pointer -fstrict-aliasing -ffunction-sections -fdata-sections -ffast-math -fno-rtti -fn
Mobile Neural Network 1.2
Model: SqueezeNetV1.0
ms, Fewer Is Better
1
MIN: 5.79 / MAX: 6.19
5.835
2
MIN: 5.84 / MAX: 8.68
5.906
1.3289
2.6578
3.9867
5.3156
6.6445
1. (CXX) g++ options: -std=c++11 -O3 -fvisibility=hidden -fomit-frame-pointer -fstrict-aliasing -ffunction-sections -fdata-sections -ffast-math -fno-rtti -fn


Mobile Neural Network 1.2
Model: MobileNetV2_224
ms, Fewer Is Better
1
MIN: 3.56 / MAX: 4.32
3.597
2
MIN: 3.67 / MAX: 3.73
3.696
0.8316
1.6632
2.4948
3.3264
4.158
1. (CXX) g++ options: -std=c++11 -O3 -fvisibility=hidden -fomit-frame-pointer -fstrict-aliasing -ffunction-sections -fdata-sections -ffast-math -fno-rtti -fn
Mobile Neural Network 1.2
Model: mobilenet-v1-1.0
ms, Fewer Is Better
1
MIN: 4.18 / MAX: 4.41
4.215
2
MIN: 4.25 / MAX: 4.65
4.288
0.9648
1.9296
2.8944
3.8592
4.824
1. (CXX) g++ options: -std=c++11 -O3 -fvisibility=hidden -fomit-frame-pointer -fstrict-aliasing -ffunction-sections -fdata-sections -ffast-math -fno-rtti -fn
Mobile Neural Network 1.2
Model: inception-v3
ms, Fewer Is Better
1
MIN: 32.63 / MAX: 39.31
32.95
2
MIN: 32.89 / MAX: 41.56
33.17
8
16
24
32
40
1. (CXX) g++ options: -std=c++11 -O3 -fvisibility=hidden -fomit-frame-pointer -fstrict-aliasing -ffunction-sections -fdata-sections -ffast-math -fno-rtti -fn

NCNN 20210720

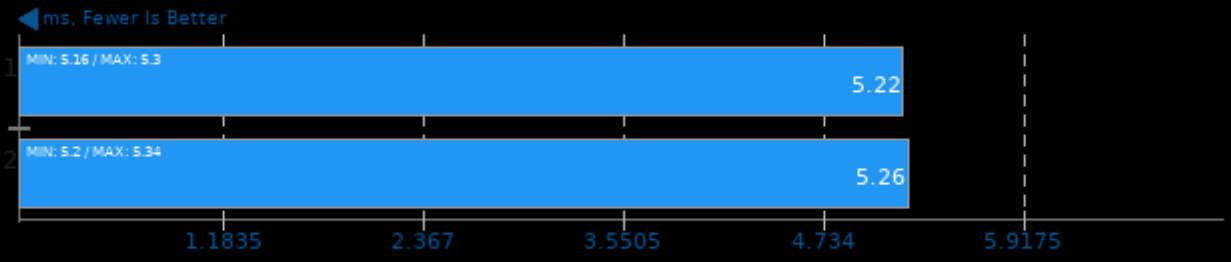
Target: CPU - Model: mobilenet



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

NCNN 20210720

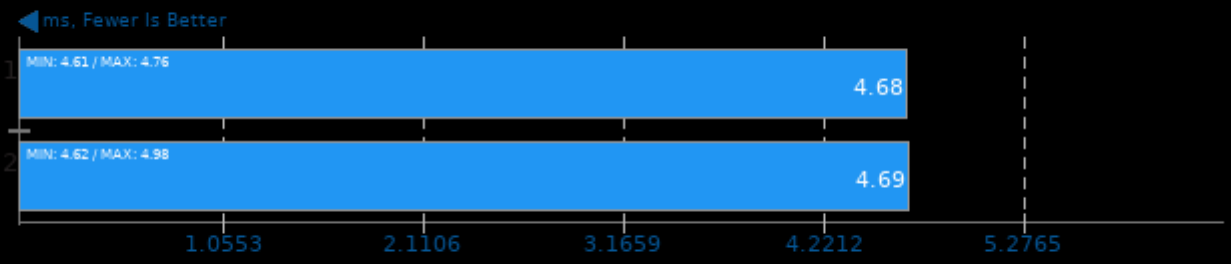
Target: CPU-v2-v2 - Model: mobilenet-v2



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

NCNN 20210720

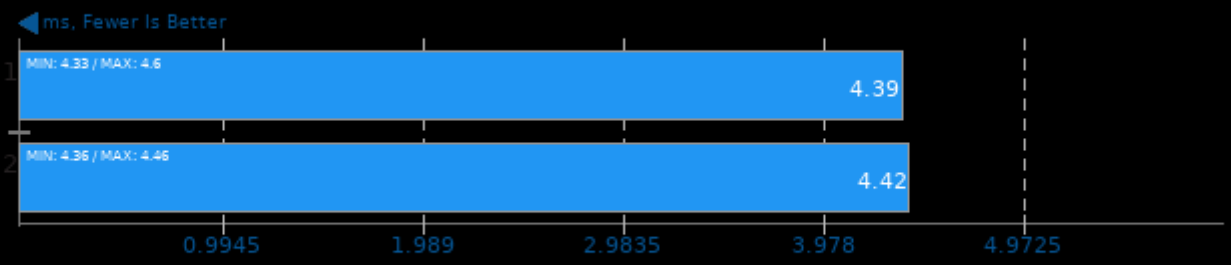
Target: CPU-v3-v3 - Model: mobilenet-v3



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

NCNN 20210720

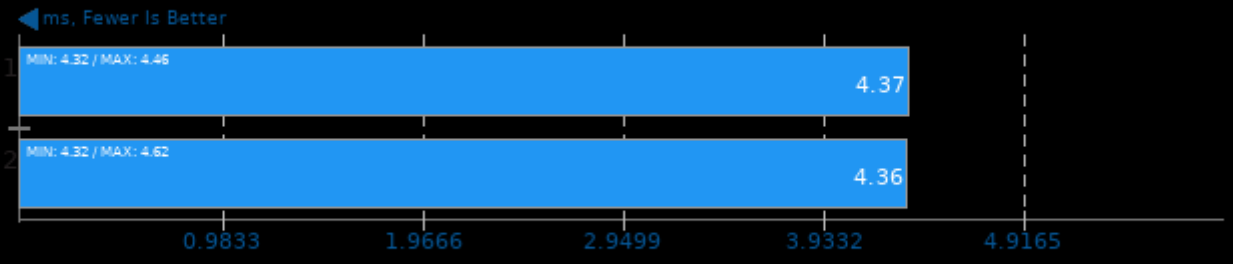
Target: CPU - Model: shufflenet-v2



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

NCNN 20210720

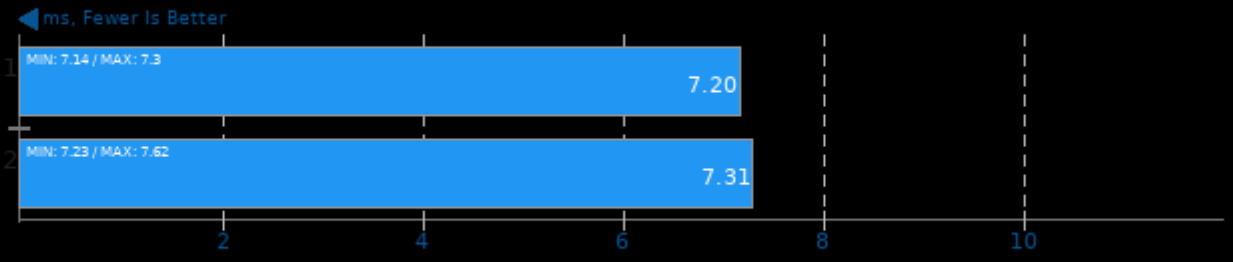
Target: CPU - Model: mnasnet



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

NCNN 20210720

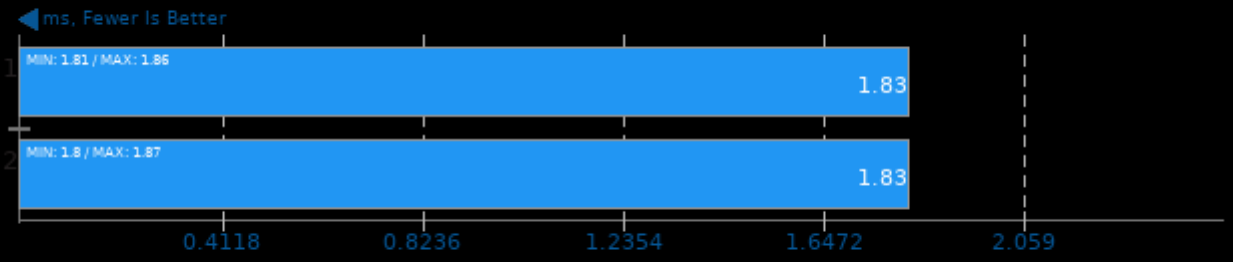
Target: CPU - Model: efficientnet-b0



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

NCNN 20210720

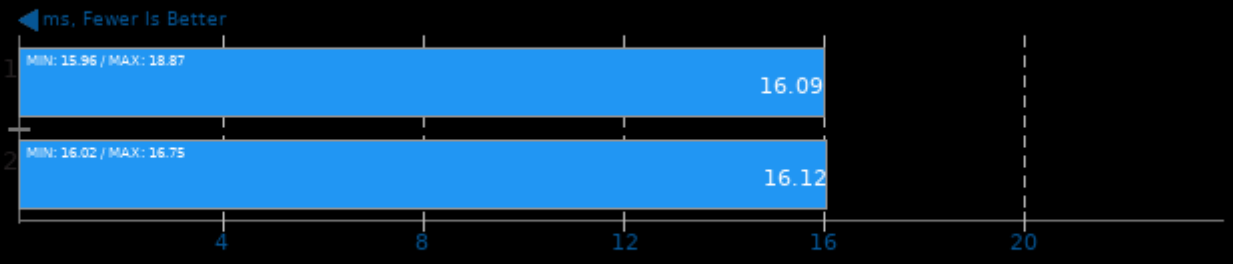
Target: CPU - Model: blazeface



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

NCNN 20210720

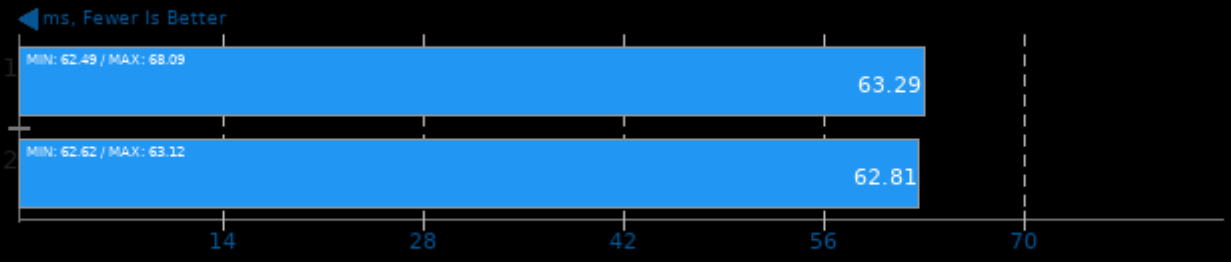
Target: CPU - Model: googlenet



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

NCNN 20210720

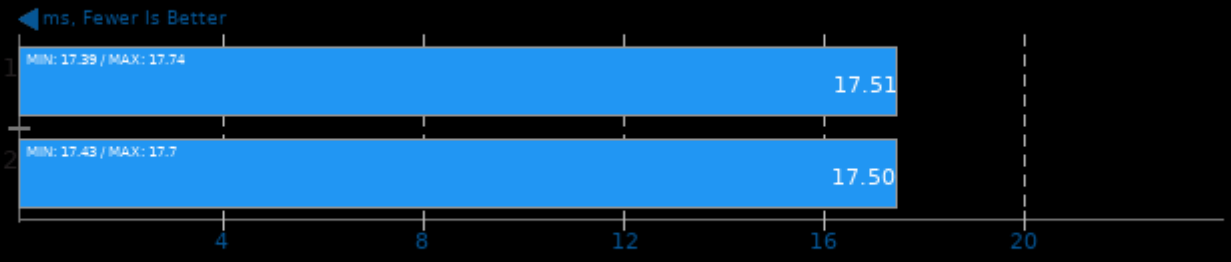
Target: CPU - Model: vgg16



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

NCNN 20210720

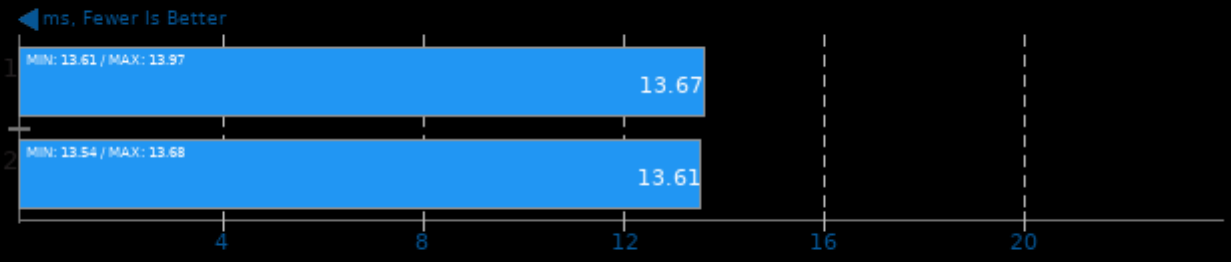
Target: CPU - Model: resnet18



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

NCNN 20210720

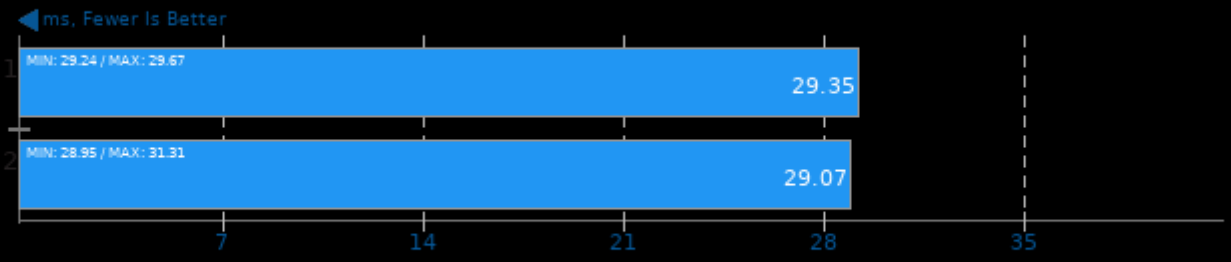
Target: CPU - Model: alexnet



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

NCNN 20210720

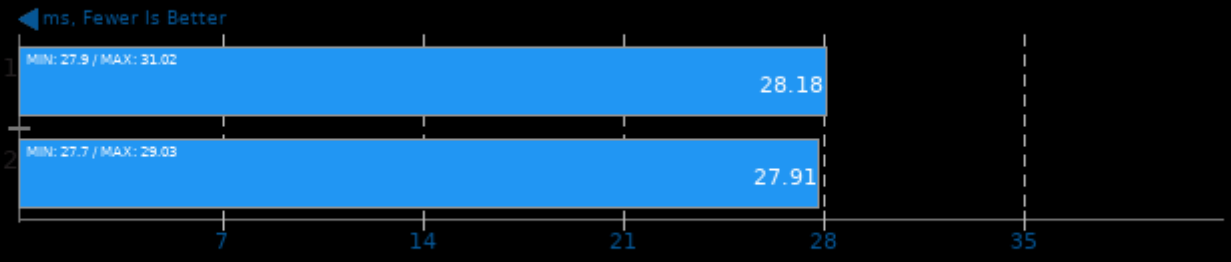
Target: CPU - Model: resnet50



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

NCNN 20210720

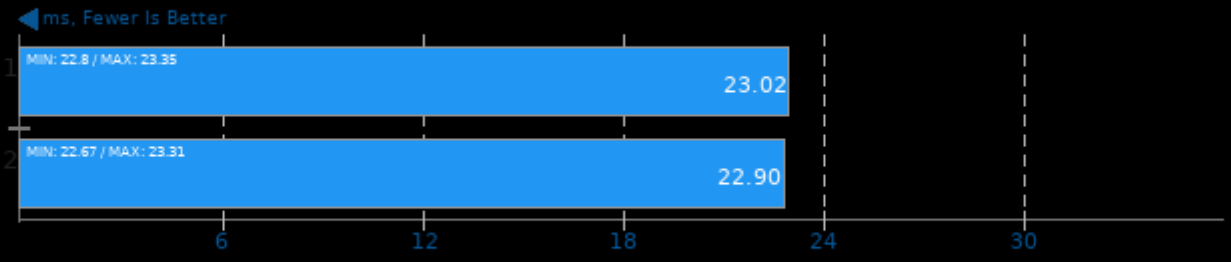
Target: CPU - Model: yolov4-tiny



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

NCNN 20210720

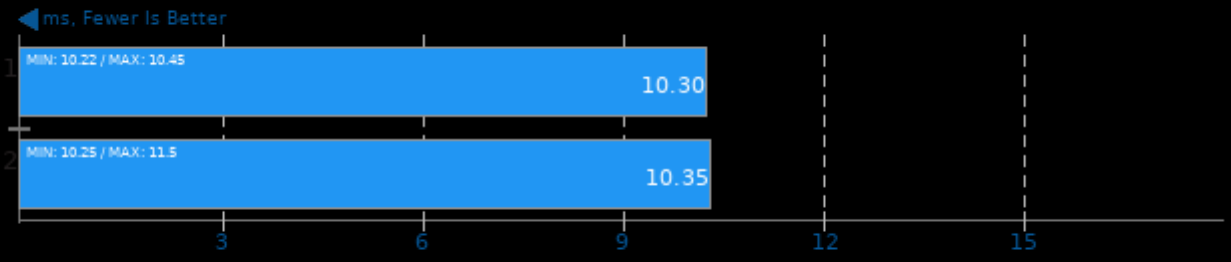
Target: CPU - Model: squeezenet_ssd



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

NCNN 20210720

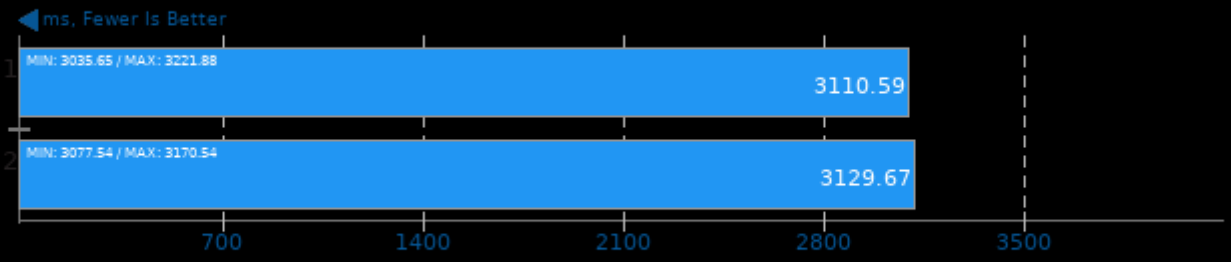
Target: CPU - Model: regnety_400m



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

TNN 0.3

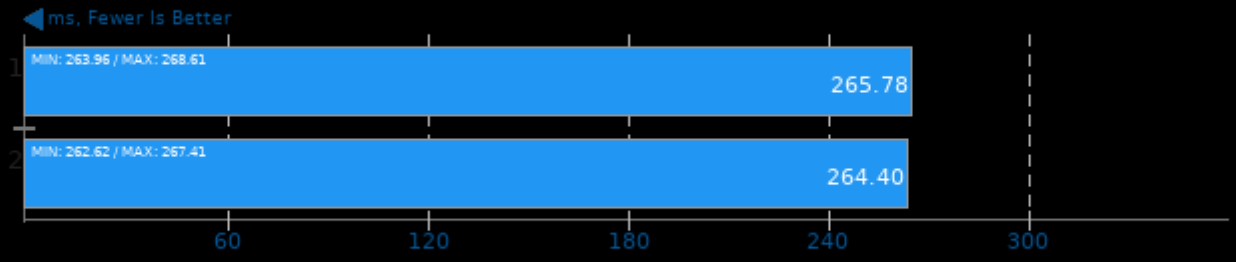
Target: CPU - Model: DenseNet



1. (CXX) g++ options: -fopenmp -pthread -fvisibility=hidden -fvisibility=default -O3 -rdynamic -ldl

TNN 0.3

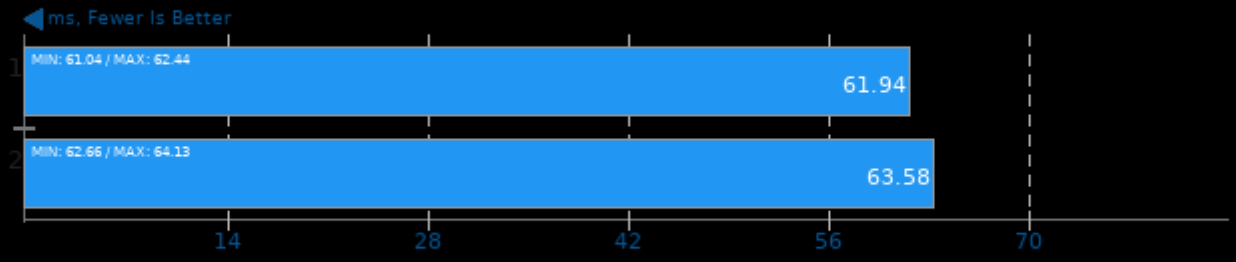
Target: CPU - Model: MobileNet v2



1. (CXX) g++ options: -fopenmp -pthread -fvisibility=hidden -fvisibility=default -O3 -rdynamic -ldl

TNN 0.3

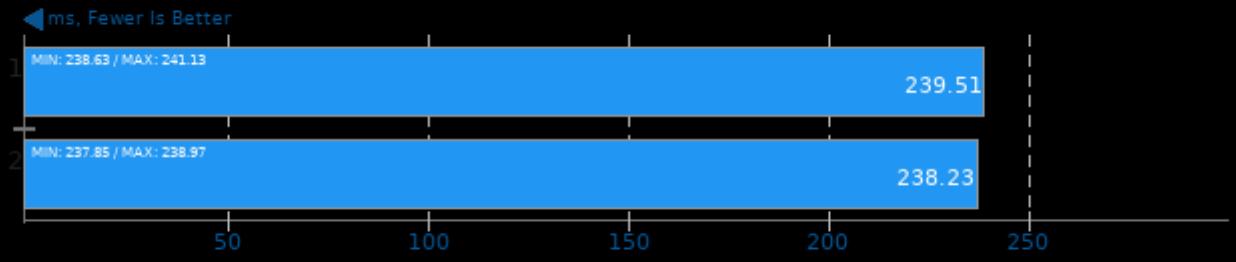
Target: CPU - Model: SqueezeNet v2



1. (CXX) g++ options: -fopenmp -pthread -fvisibility=hidden -fvisibility=default -O3 -rdynamic -ldl

TNN 0.3

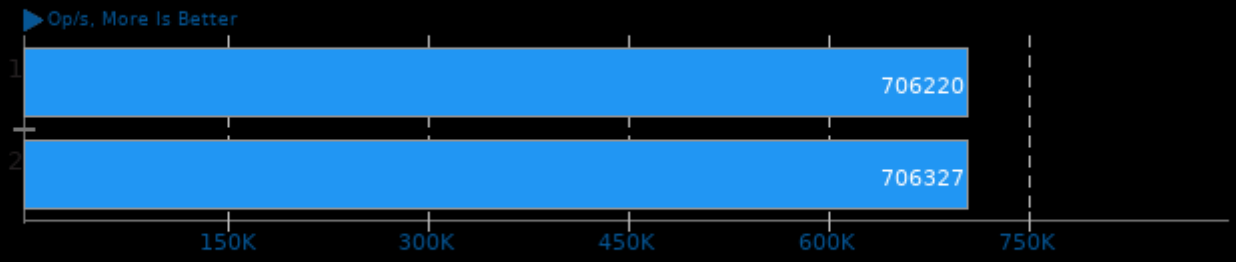
Target: CPU - Model: SqueezeNet v1.1



1. (CXX) g++ options: -fopenmp -pthread -fvisibility=hidden -fvisibility=default -O3 -rdynamic -ldl

Facebook RocksDB 6.22.1

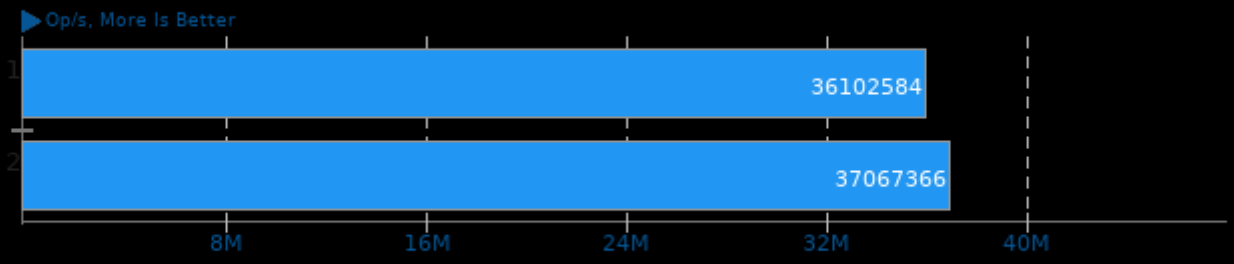
Test: Random Fill



1. (CXX) g++ options: -O3 -march=native -pthread -fno-builtin-memcmp -fno-rtti -lpthread

Facebook RocksDB 6.22.1

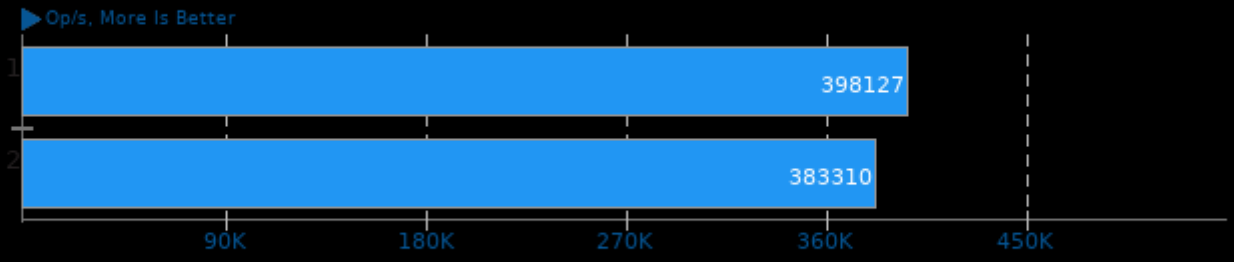
Test: Random Read



1. (CXX) g++ options: -O3 -march=native -pthread -fno-builtin-memcmp -fno-rtti -lpthread

Facebook RocksDB 6.22.1

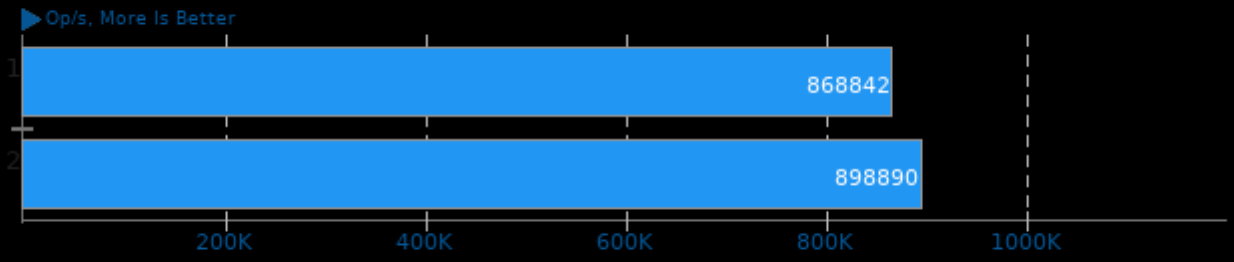
Test: Update Random



1. (CXX) g++ options: -O3 -march=native -pthread -fno-builtin-memcmp -fno-rtti -lpthread

Facebook RocksDB 6.22.1

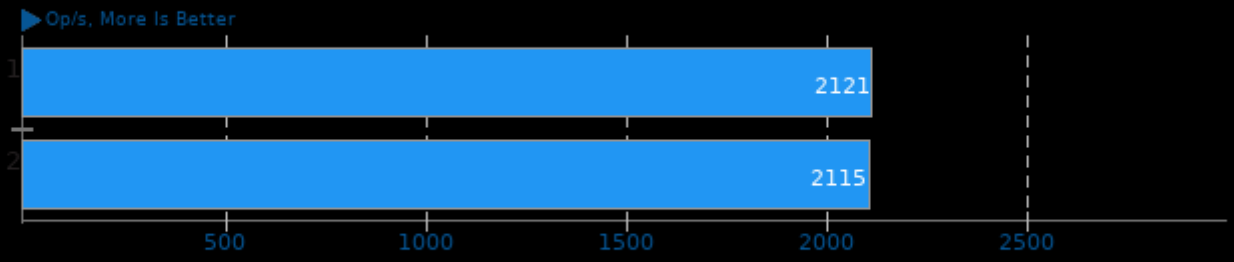
Test: Sequential Fill



1. (CXX) g++ options: -O3 -march=native -pthread -fno-builtin-memcmp -fno-rtti -lpthread

Facebook RocksDB 6.22.1

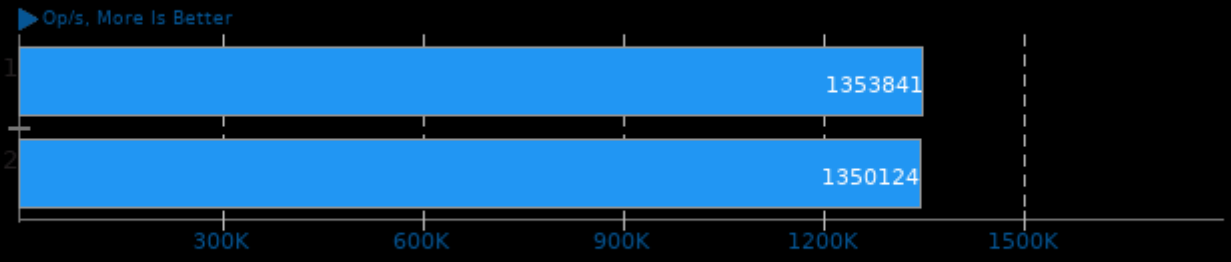
Test: Random Fill Sync



1. (CXX) g++ options: -O3 -march=native -pthread -fno-builtin-memcmp -fno-rtti -lpthread

Facebook RocksDB 6.22.1

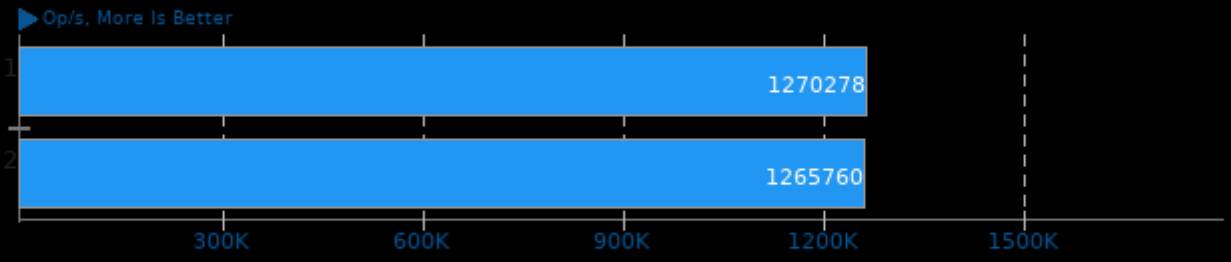
Test: Read While Writing



1. (CXX) g++ options: -O3 -march=native -pthread -fno-builtin-memcmp -fno-rtti -lpthread

Facebook RocksDB 6.22.1

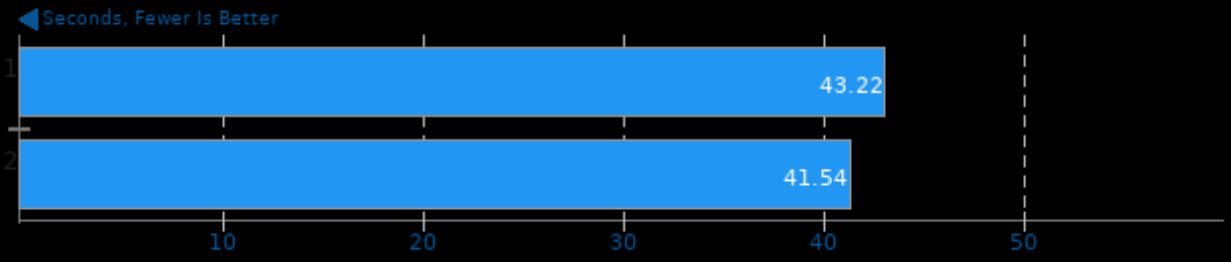
Test: Read Random Write Random



1. (CXX) g++ options: -O3 -march=native -pthread -fno-builtin-memcmp -fno-rtti -lpthread

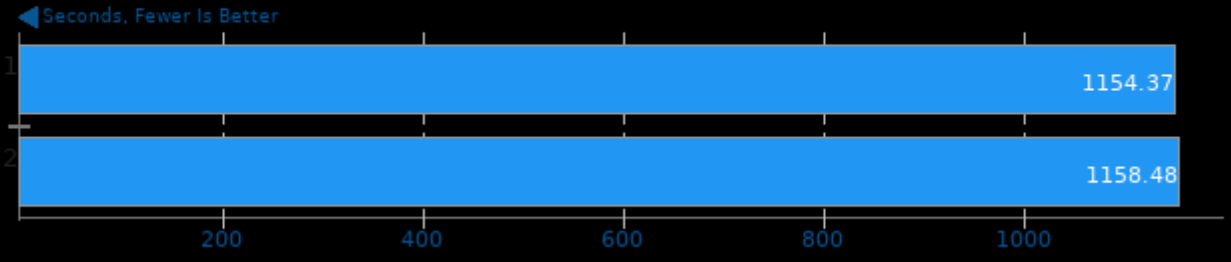
ECP-CANDLE 0.4

Benchmark: P1B2



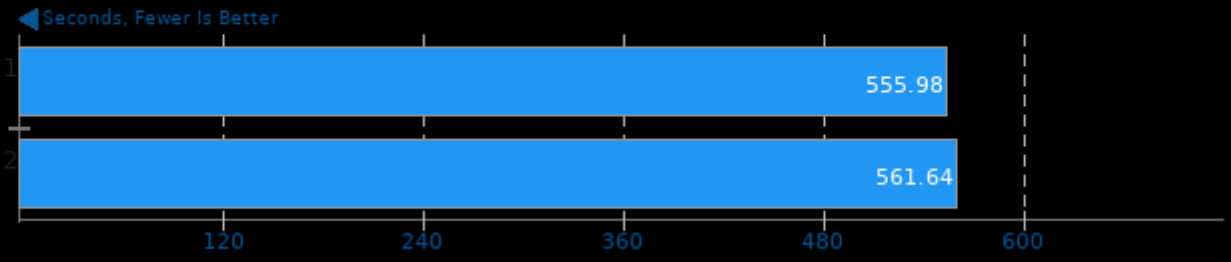
ECP-CANDLE 0.4

Benchmark: P3B1



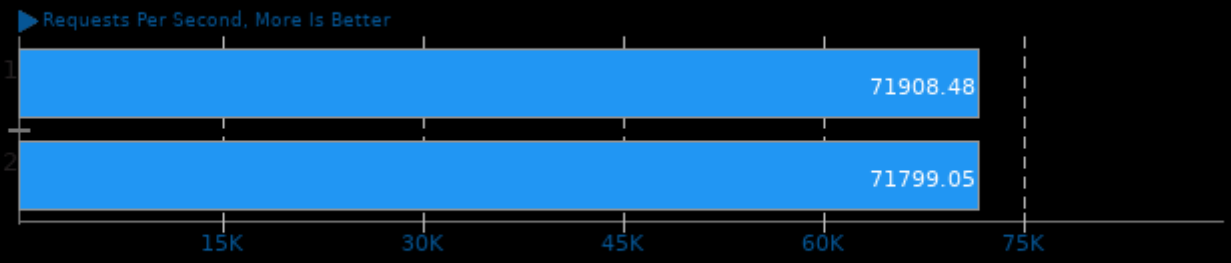
ECP-CANDLE 0.4

Benchmark: P3B2



nginx 1.21.1

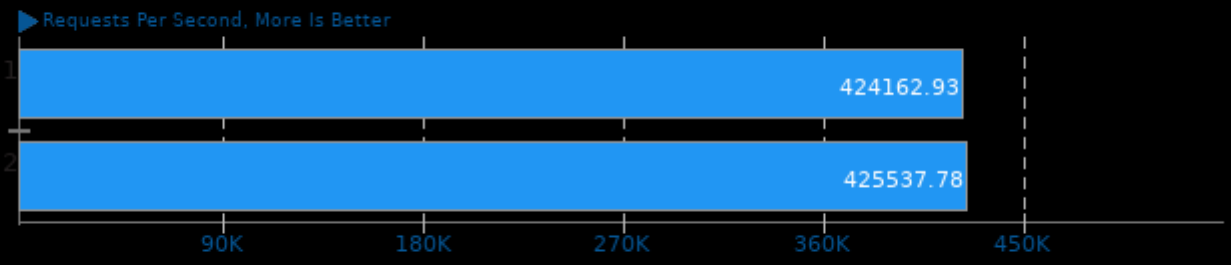
Concurrent Requests: 1



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

nginx 1.21.1

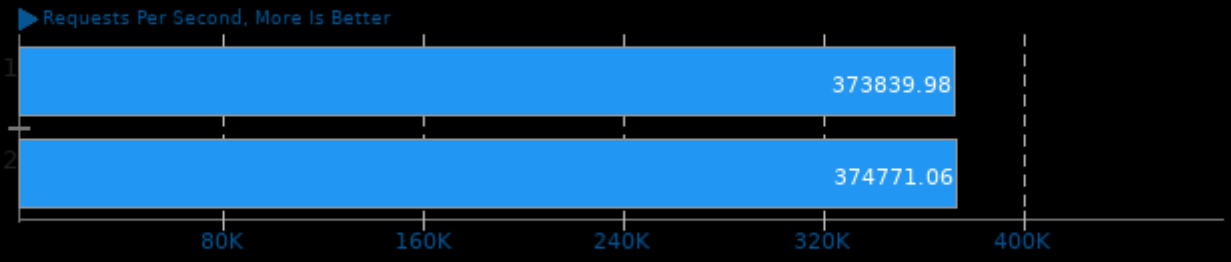
Concurrent Requests: 20



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

nginx 1.21.1

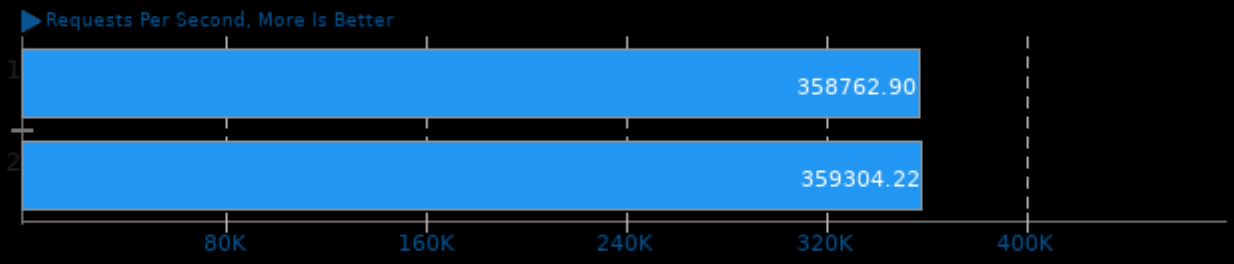
Concurrent Requests: 100



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

nginx 1.21.1

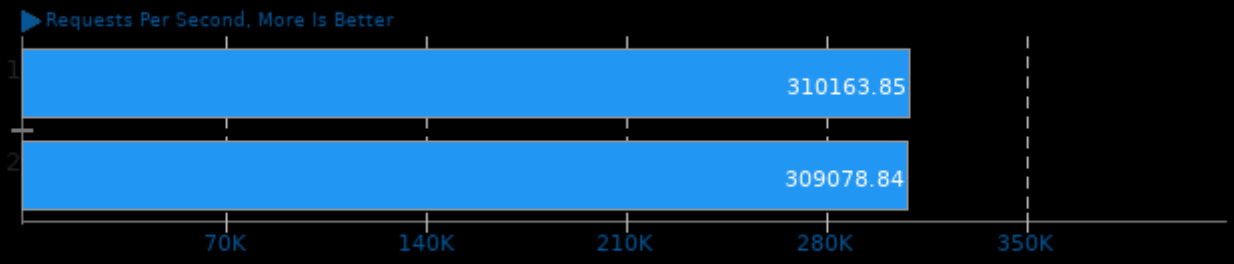
Concurrent Requests: 200



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

nginx 1.21.1

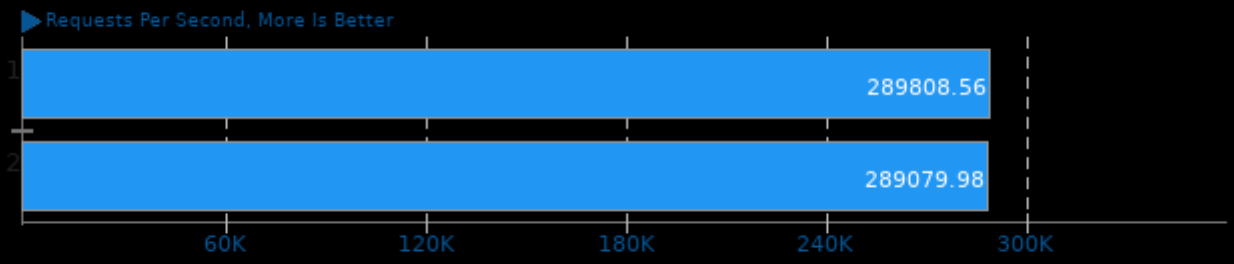
Concurrent Requests: 500



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

nginx 1.21.1

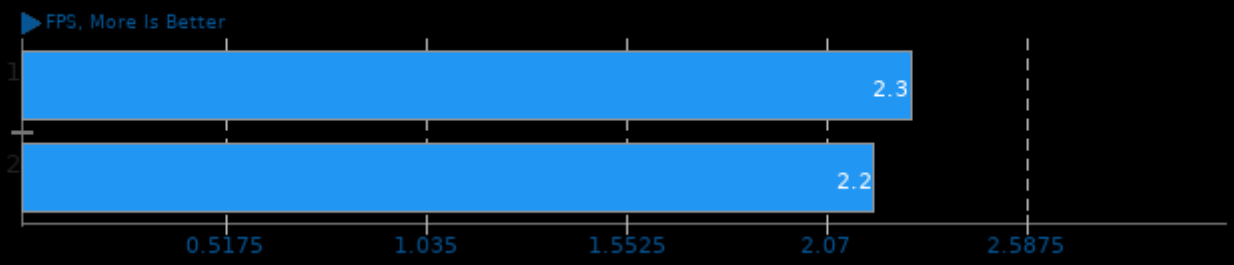
Concurrent Requests: 1000



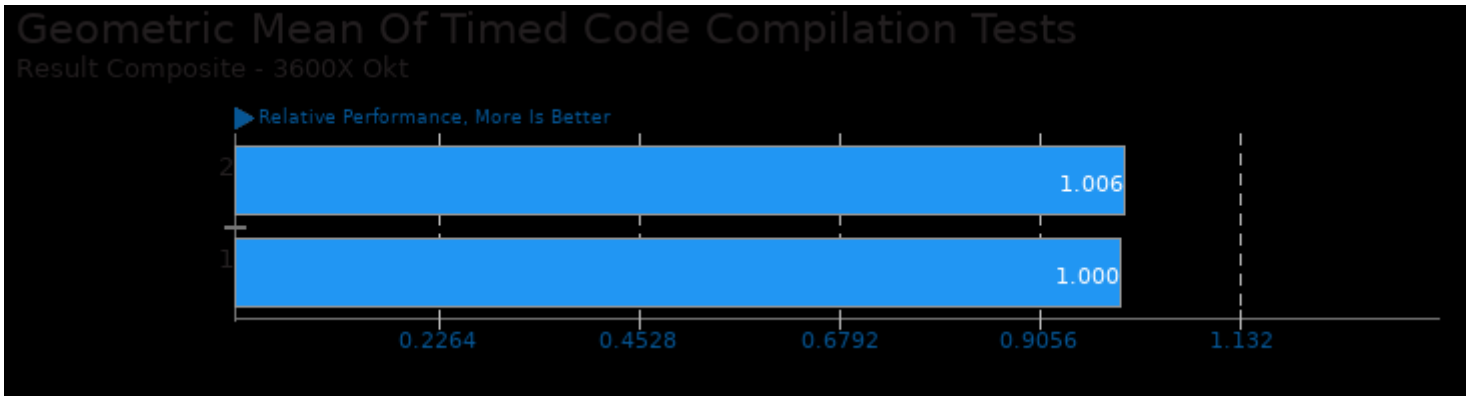
1. (CC) gcc options: -ldl -lpthread -lcrypt -lz -O3 -march=native

Natron 2.4

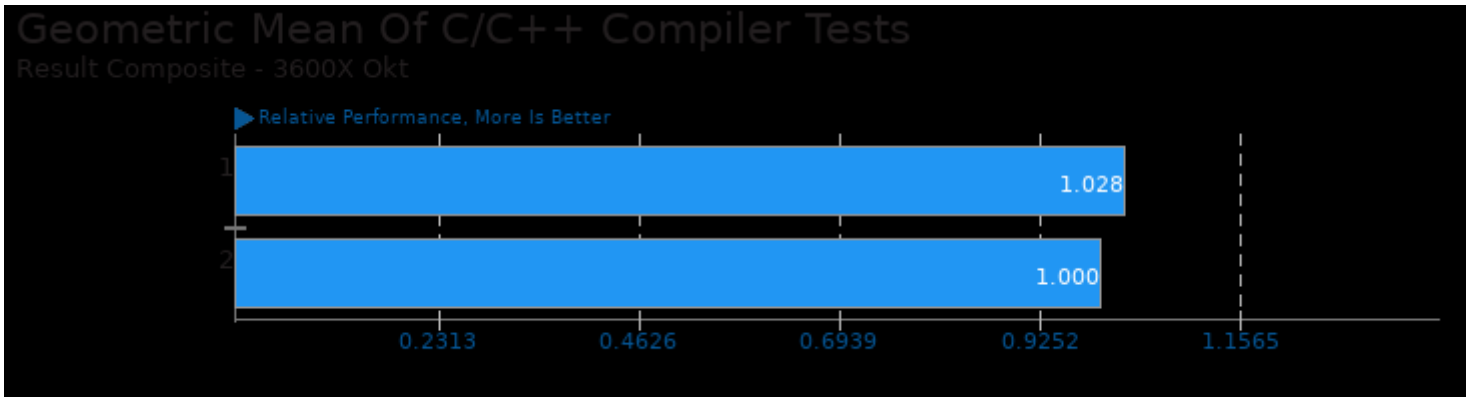
Input: Spaceship



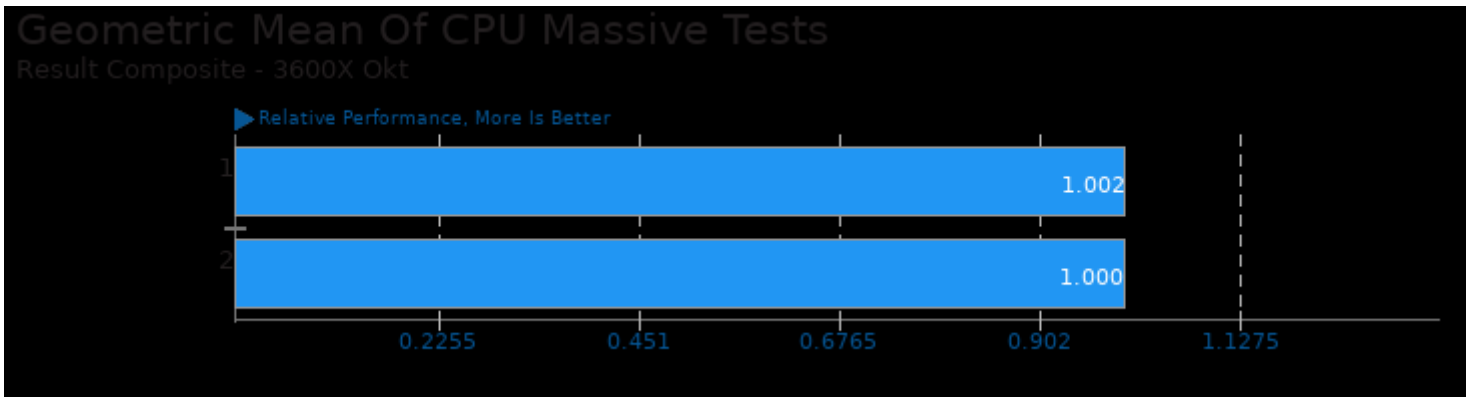
These geometric means are based upon test groupings / test suites for this result file.



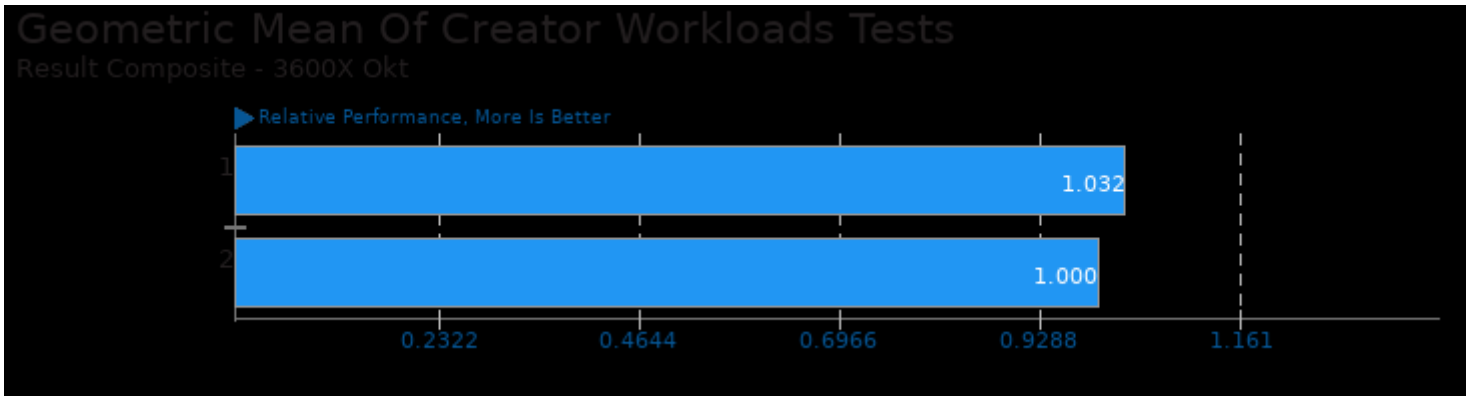
Geometric mean based upon tests: pts/build-linux-kernel, pts/build-gcc and pts/build-llvm



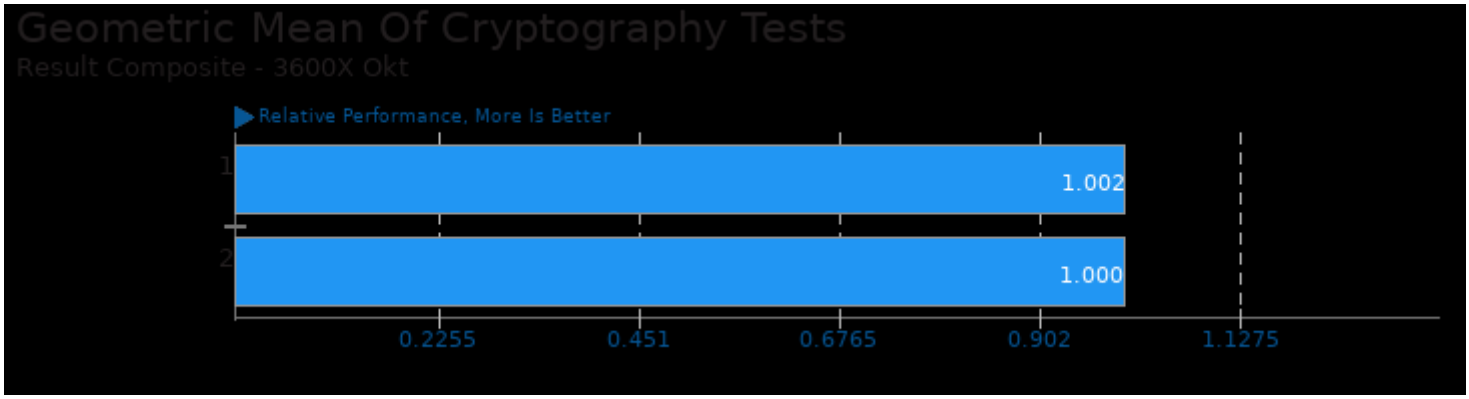
Geometric mean based upon tests: pts/build-llvm, pts/encode-flac, pts/dav1d, pts/openssl, pts/nginx and pts/tachyon



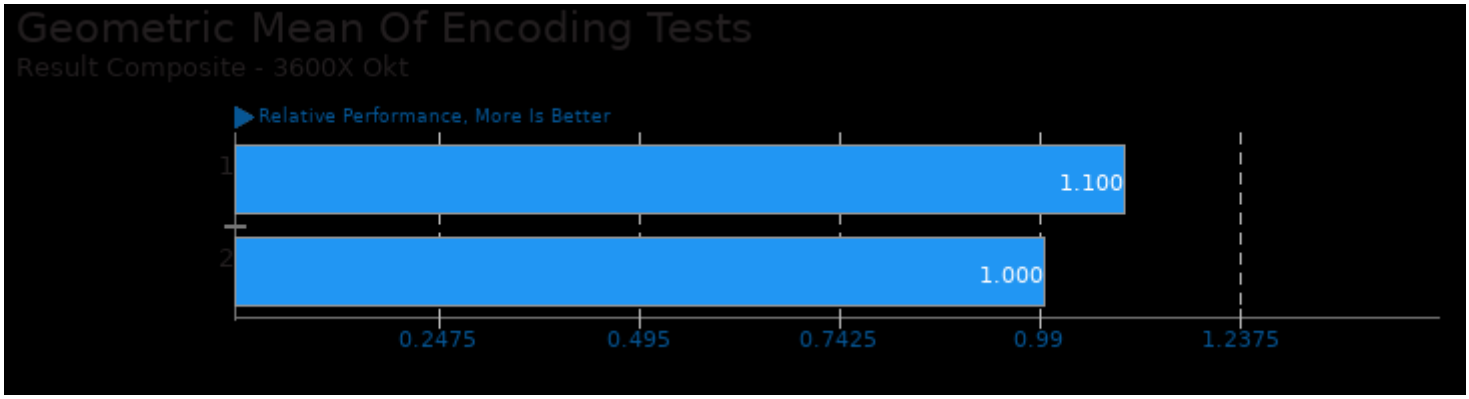
Geometric mean based upon tests: pts/build-gcc, pts/build-llvm, pts/build-linux-kernel, pts/dav1d, pts/encode-flac, pts/openssl, pts/lczero, pts/nginx, pts/stress-ng, pts/tachyon, pts/cpuminer-opt and pts/renaissance



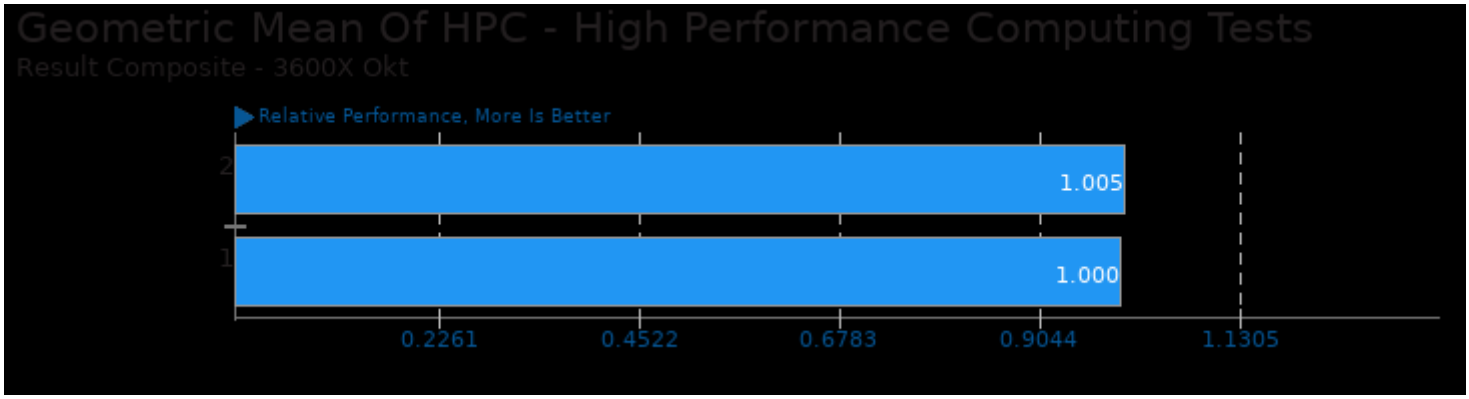
Geometric mean based upon tests: pts/tachyon, pts/yafaray, pts/natron, pts/dav1d, pts/encode-flac, pts/jpegxl, pts/jpegxl-decode and pts/synthmark



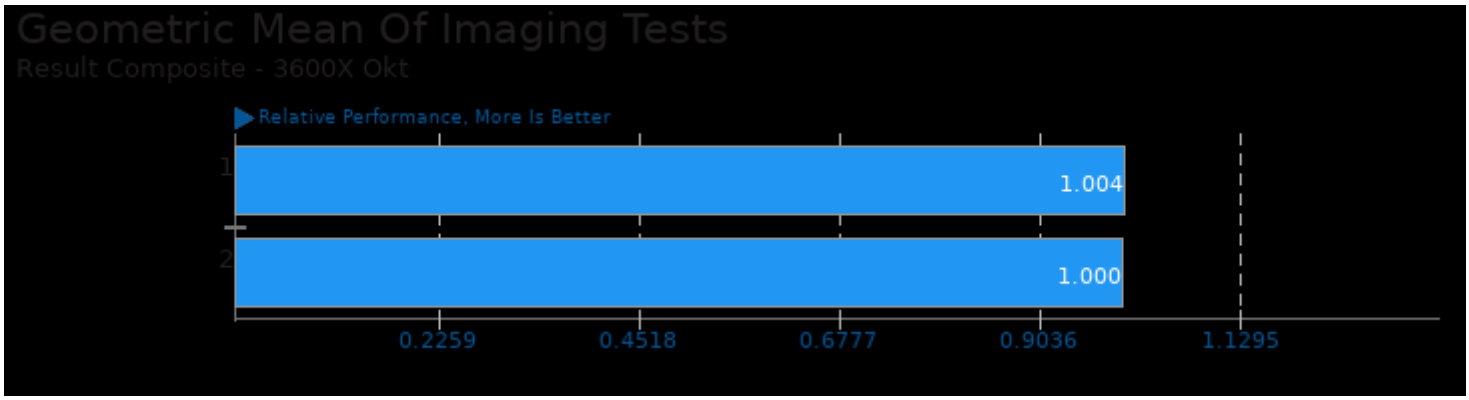
Geometric mean based upon tests: pts/openssl and pts/cpuminer-opt



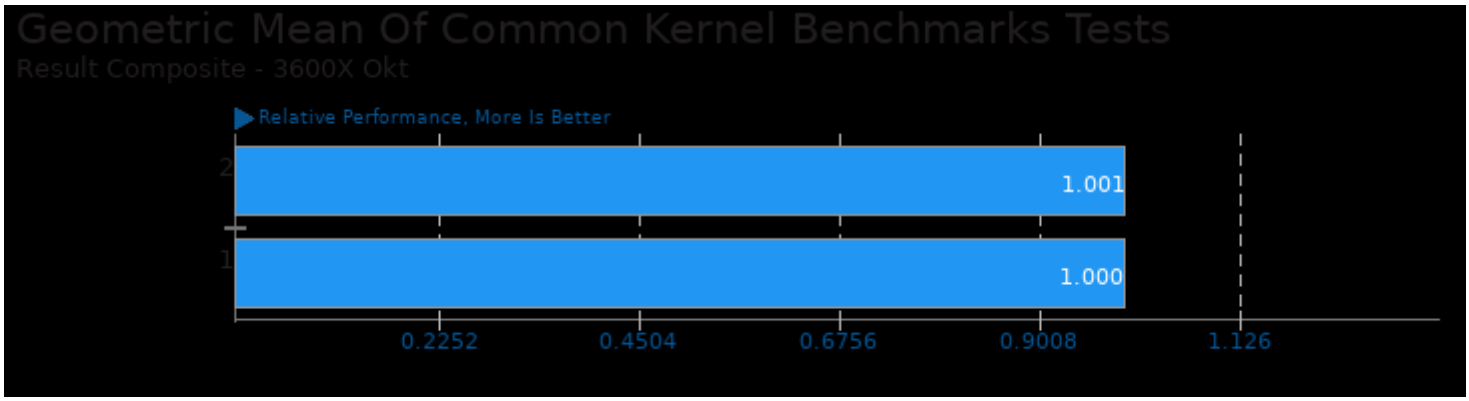
Geometric mean based upon tests: pts/encode-flac and pts/dav1d



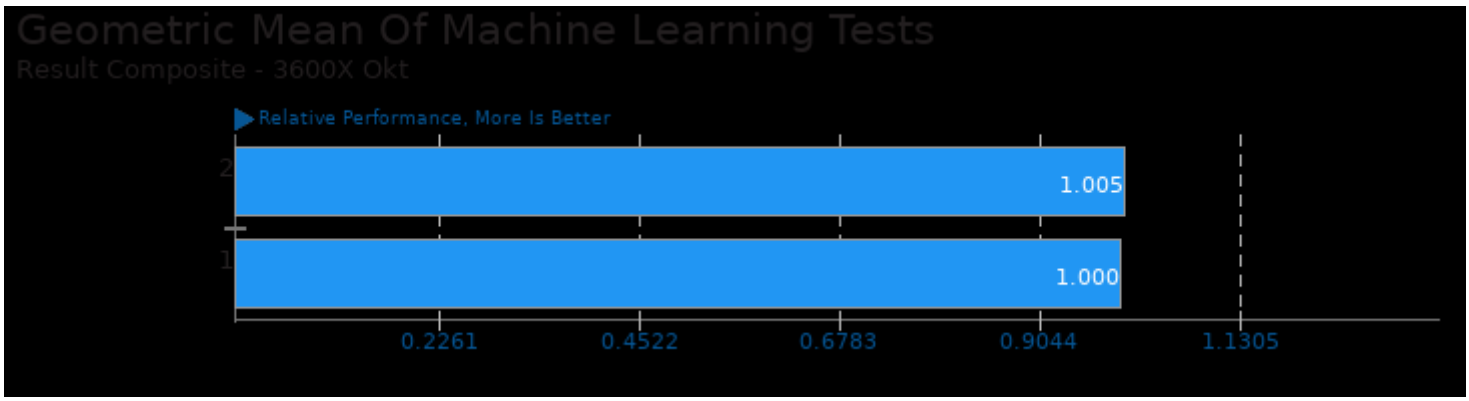
Geometric mean based upon tests: pts/mnn, pts/ncnn, pts/tnn, pts/ecp-candle and pts/lczero



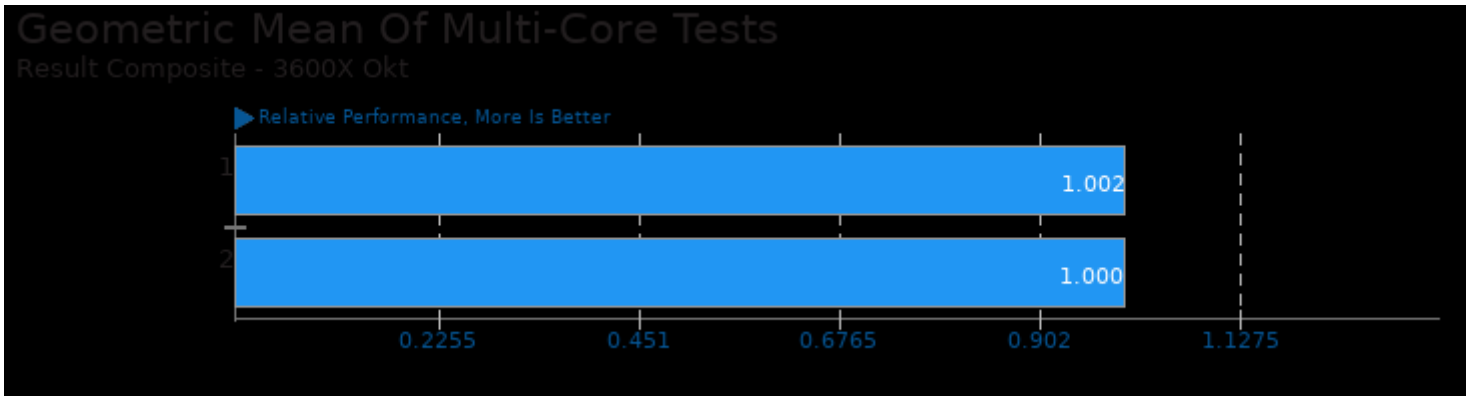
Geometric mean based upon tests: pts/jpegxl and pts/jpegxl-decode



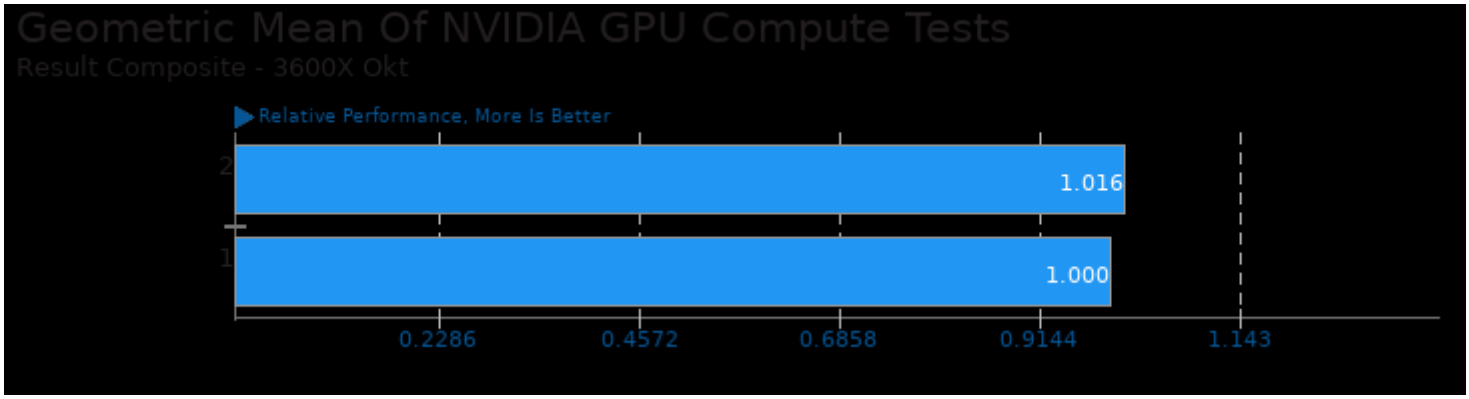
Geometric mean based upon tests: pts/openssl, pts/stress-ng and pts/rocksdb



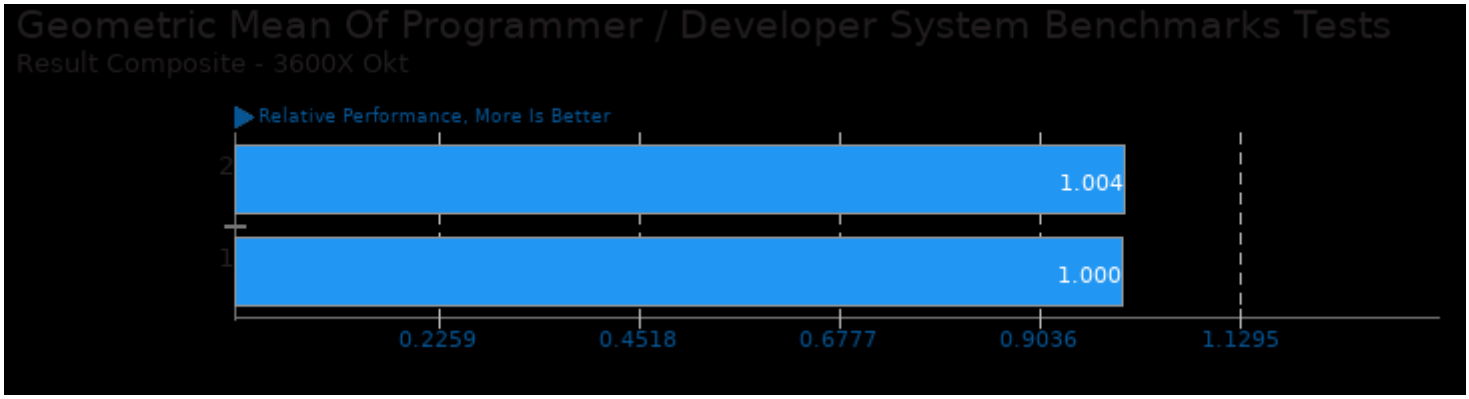
Geometric mean based upon tests: pts/mnn, pts/ncnn, pts/tnn, pts/ecp-candle and pts/lczero



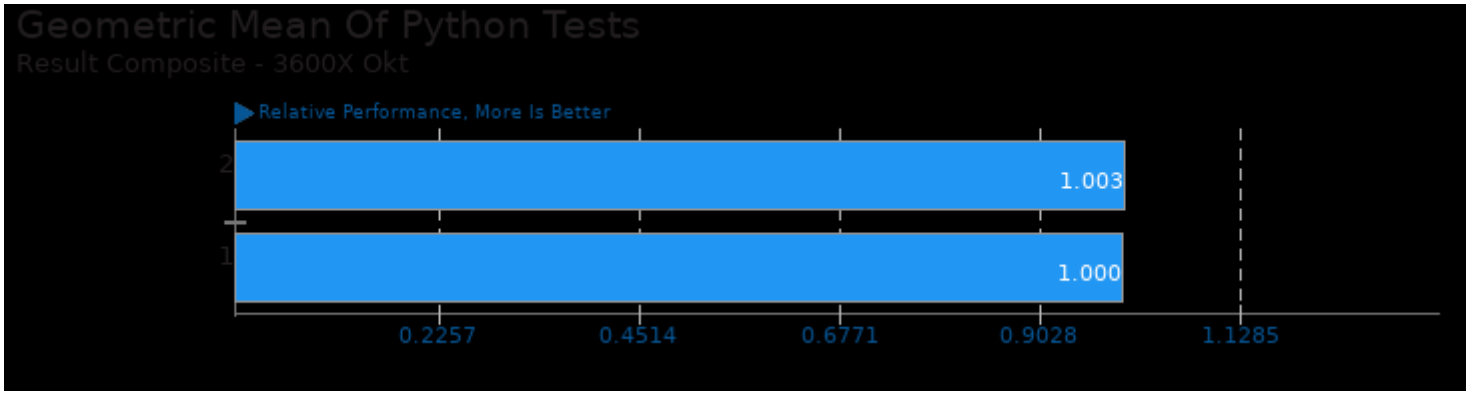
Geometric mean based upon tests: pts/cpuminer-opt, pts/tachyon, pts/yafaray, pts/dav1d, pts/build-linux-kernel, pts/build-gcc, pts/build-llvm and pts/natron



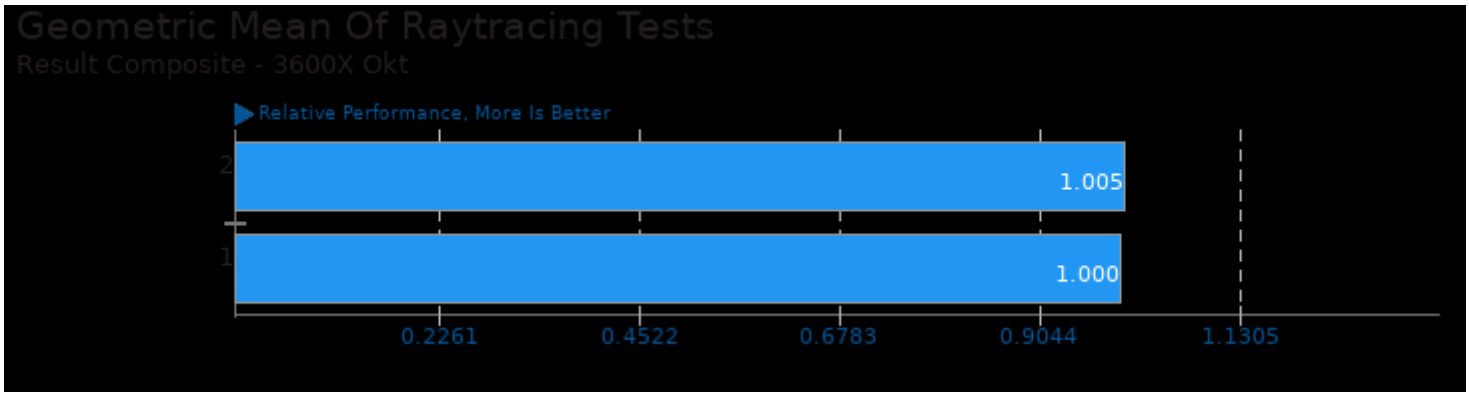
Geometric mean based upon tests: pts/lczero and pts/ncnn



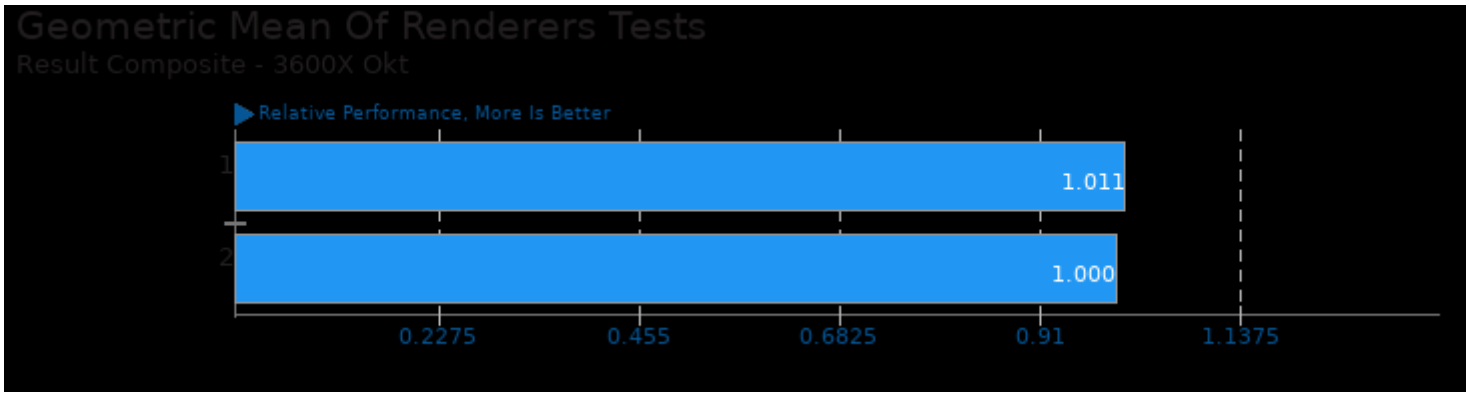
Geometric mean based upon tests: pts/simdjson, pts/blosc, pts/build-linux-kernel, pts/build-gcc and pts/build-llvm



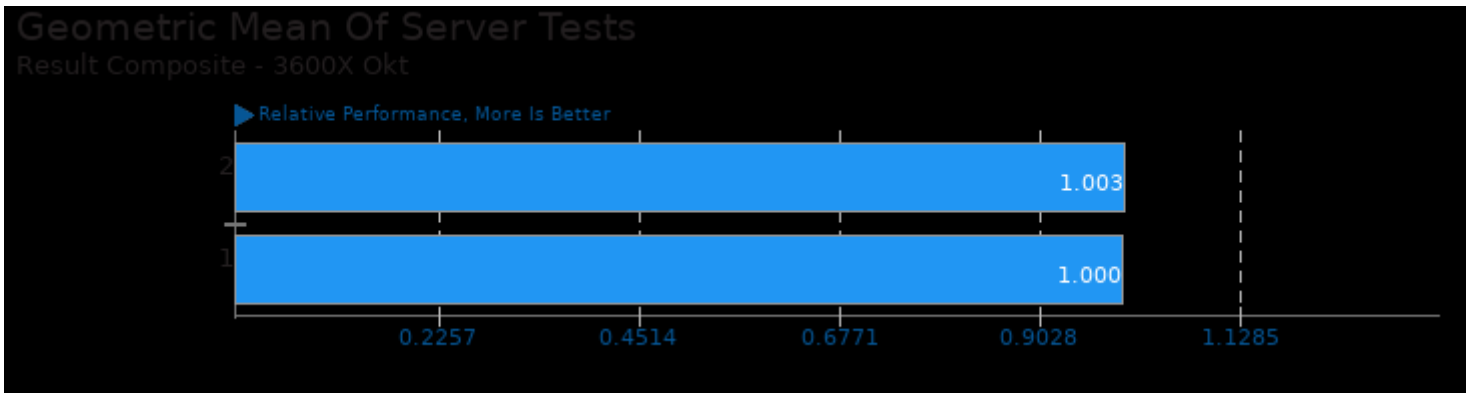
Geometric mean based upon tests: pts/glmark2, pts/build-llvm, pts/yafaray and pts/ecp-candle



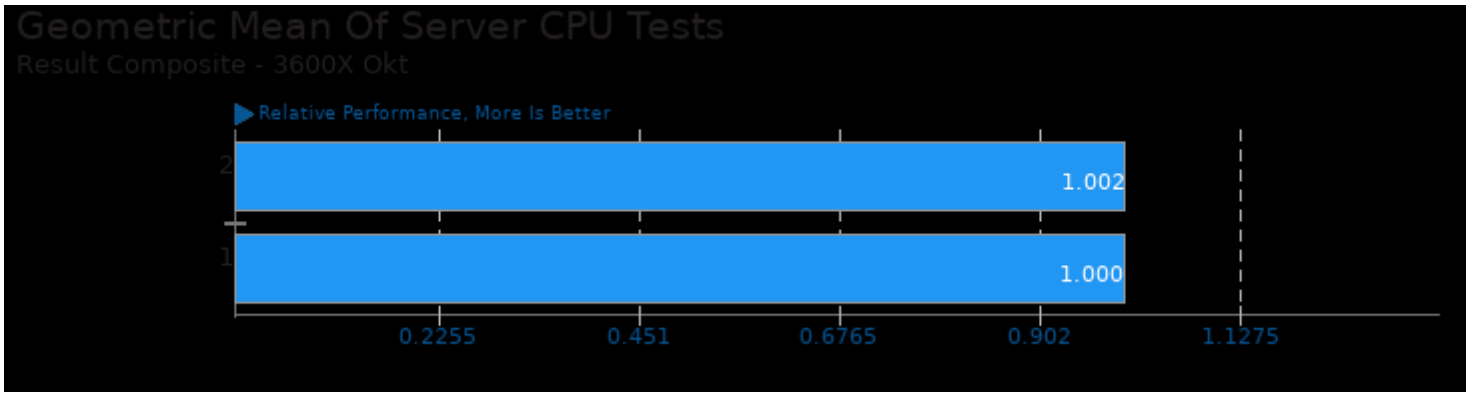
Geometric mean based upon tests: pts/tachyon and pts/yafaray



Geometric mean based upon tests: pts/tachyon, pts/yafaray and pts/natron

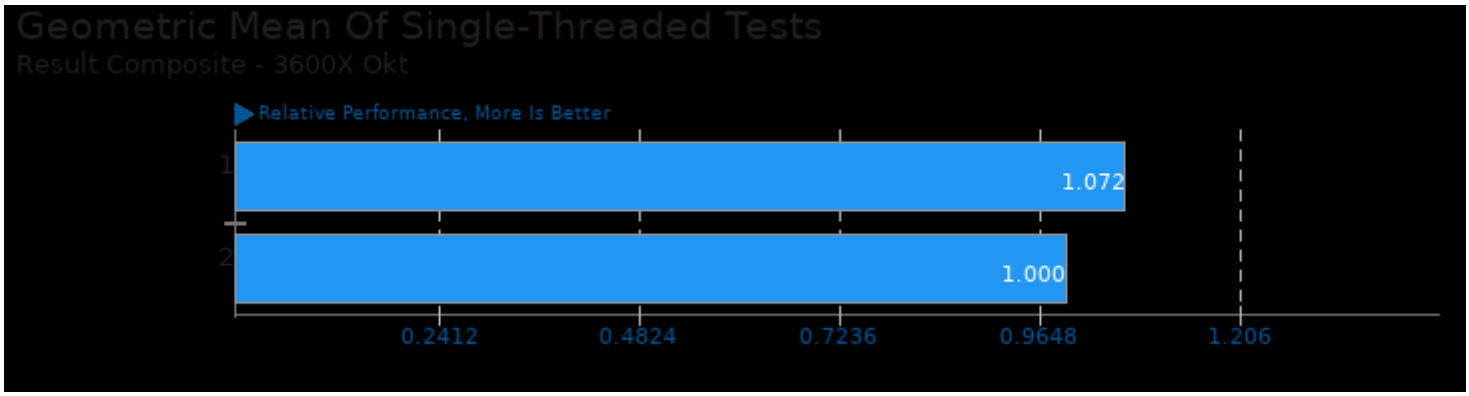


Geometric mean based upon tests: pts/nginx, pts/rocksdb, pts/openssl and pts/simdjson



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

3600X Okt



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

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