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5800X August

AMD Ryzen 7 5800X 8-Core testing with a ASRock X570 Pro4 (P3.90 BIOS) and Sapphire AMD Radeon RX 470/480/570/570X/580/580X/590 8GB on Ubuntu 20.10 via the Phoronix Test Suite.

Test Systems:

1

Processor: AMD Ryzen 7 5800X 8-Core @ 3.80GHz (8 Cores / 16 Threads), Motherboard: ASRock X570 Pro4 (P3.90 BIOS), Chipset: AMD Starship/Matisse, Memory: 16GB, Disk: 1000GB Sabrent Rocket 4.0 1TB, Graphics: Sapphire AMD Radeon RX 470/480/570/570X/580/580X/590 8GB (1560/2100MHz), Audio: AMD Ellesmere HDMI Audio, Monitor: LG Ultra HD, Network: Intel I211

OS: Ubuntu 20.10, Kernel: 5.12.0-rc5-nopsf (x86_64) 20210403, Desktop: GNOME Shell 3.38.1, Display Server: X Server 1.20.9, OpenGL: 4.6 Mesa 20.2.6 (LLVM 11.0.0), Vulkan: 1.2.131, 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 schedutil (Boost: Enabled) - CPU Microcode: 0xa201009
Java Notes: OpenJDK Runtime Environment (build 11.0.9.1+1-Ubuntu-0ubuntu1.20.10)
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 IBRS_FW STIBP: always-on RSB filling + srbds: Not affected + tsx_async_abort: Not affected

	1
GravityMark - 1920 x 1080 - Vulkan (FPS)	70.8
GravityMark - 2560 x 1440 - Vulkan (FPS)	58.7
GravityMark - 3840 x 2160 - Vulkan (FPS)	40.5
Unvanquished - 1920 x 1080 - High (FPS)	372.8
Unvanquished - 2560 x 1440 - High (FPS)	375.9
Unvanquished - 3840 x 2160 - High (FPS)	344.2
Unvanquished - 1920 x 1080 - Ultra (FPS)	376.6
Unvanquished - 2560 x 1440 - Ultra (FPS)	361.9
Unvanquished - 3840 x 2160 - Ultra (FPS)	245.6
Unvanquished - 1920 x 1080 - Medium (FPS)	391.6
Unvanquished - 2560 x 1440 - Medium (FPS)	381.8
Unvanquished - 3840 x 2160 - Medium (FPS)	375.8
C-Blosc - blosclz (MB/s)	26545
Quantum ESPRESSO - AUSURF112 (sec)	1111
Renaissance - Scala Dotty (ms)	620.8
Renaissance - Rand Forest (ms)	545.7
Renaissance - ALS Movie Lens (ms)	5012
Renaissance - Apache Spark ALS (ms)	1622
Renaissance - Apache Spark Bayes (ms)	1630
Renaissance - Savina Reactors.IO (ms)	4855
Renaissance - A.S.P (ms)	3033
Renaissance - F.H.R (ms)	1891
Renaissance - I.M.D.S (ms)	2882
Renaissance - A.U.C.T (ms)	8966
Renaissance - G.A.U.J.F (ms)	1740
dav1d - Chimera 1080p (FPS)	758.1
dav1d - Summer Nature 4K (FPS)	205.87
dav1d - S.N.1 (FPS)	769.99
dav1d - C.1.1.b (FPS)	530.21
OpenVKL - vklBenchmark ISPC (Items / Sec)	64
OpenVKL - v.S (Items / Sec)	32
YafaRay - T.T.F.S.S (sec)	118.614
KeyDB (Ops/sec)	898634
PostgreSQL pgbench - 1 - 1 - Read Only (TPS)	39646
PostgreSQL pgbench - 1 - 1 - Read Only - Average Latency (ms)	0.025

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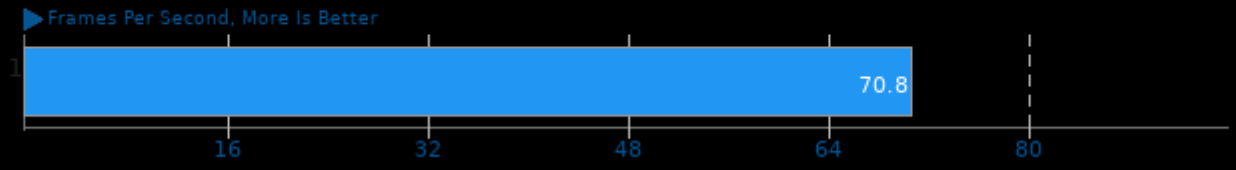
PostgreSQL pgbench - 1 - 1 - Read Write (TPS)	1619
PostgreSQL pgbench - 1 - 1 - Read Write - Average Latency (ms)	0.618
PostgreSQL pgbench - 1 - 50 - Read Only (TPS)	352347
PostgreSQL pgbench - 1 - 50 - Read Only - Average Latency (ms)	0.142
PostgreSQL pgbench - 1 - 50 - Read Write (TPS)	1851
PostgreSQL pgbench - 1 - 50 - Read Write - Average Latency (ms)	27.011
Mobile Neural Network - mobilenetV3 (ms)	1.106
Mobile Neural Network - squeezenetv1.1 (ms)	2.377
Mobile Neural Network - resnet-v2-50 (ms)	18.441
Mobile Neural Network - SqueezeNetV1.0 (ms)	4.002
Mobile Neural Network - MobileNetV2_224 (ms)	1.953
Mobile Neural Network - mobilenet-v1-1.0 (ms)	1.801
Mobile Neural Network - inception-v3 (ms)	25.393
NCNN - CPU - mobilenet (ms)	10.94
NCNN - CPU-v2-v2 - mobilenet-v2 (ms)	2.49
NCNN - CPU-v3-v3 - mobilenet-v3 (ms)	2.18
NCNN - CPU - shufflenet-v2 (ms)	2.12
NCNN - CPU - mnasnet (ms)	2.21
NCNN - CPU - efficientnet-b0 (ms)	3.52
NCNN - CPU - blazeface (ms)	1.09
NCNN - CPU - googlenet (ms)	10.04
NCNN - CPU - vgg16 (ms)	56.44
NCNN - CPU - resnet18 (ms)	13.08
NCNN - CPU - alexnet (ms)	11.86
NCNN - CPU - resnet50 (ms)	19.74
NCNN - CPU - yolov4-tiny (ms)	17.43
NCNN - CPU - squeezenet_ssd (ms)	15.57
NCNN - CPU - regnety_400m (ms)	5.98
NCNN - Vulkan GPU - mobilenet (ms)	5.71
NCNN - Vulkan GPU-v2-v2 - mobilenet-v2 (ms)	2.89
NCNN - Vulkan GPU-v3-v3 - mobilenet-v3 (ms)	4.11
NCNN - Vulkan GPU - shufflenet-v2 (ms)	2.65
NCNN - Vulkan GPU - mnasnet (ms)	3.13
NCNN - Vulkan GPU - efficientnet-b0 (ms)	12.5
NCNN - Vulkan GPU - blazeface (ms)	1.14
NCNN - Vulkan GPU - googlenet (ms)	6.39
NCNN - Vulkan GPU - vgg16 (ms)	13.87
NCNN - Vulkan GPU - resnet18 (ms)	2.7
NCNN - Vulkan GPU - alexnet (ms)	5.79
NCNN - Vulkan GPU - resnet50 (ms)	7.23
NCNN - Vulkan GPU - yolov4-tiny (ms)	6.9
NCNN - Vulkan GPU - squeezenet_ssd (ms)	5.72
NCNN - Vulkan GPU - regnety_400m (ms)	6.27
TNN - CPU - DenseNet (ms)	2507
TNN - CPU - MobileNet v2 (ms)	226.919
TNN - CPU - SqueezeNet v2 (ms)	48.41
TNN - CPU - SqueezeNet v1.1 (ms)	212.174
Apache Cassandra - Reads (Op/s)	105506

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Apache Cassandra - Writes (Op/s)	108093
Facebook RocksDB - Rand Fill (Op/s)	1129750
Facebook RocksDB - Rand Read (Op/s)	65755521
Facebook RocksDB - Update Rand (Op/s)	615485
Facebook RocksDB - Seq Fill (Op/s)	1551615
Facebook RocksDB - Rand Fill Sync (Op/s)	8950
Facebook RocksDB - Read While Writing (Op/s)	2304117
Facebook RocksDB - R.R.W.R (Op/s)	2006266
ECP-CANDLE - P1B2 (sec)	35.443
ECP-CANDLE - P3B1 (sec)	1149
ECP-CANDLE - P3B2 (sec)	369.53
nginx - 1 (Reqs/sec)	49474
nginx - 20 (Reqs/sec)	551019
nginx - 100 (Reqs/sec)	508156
nginx - 200 (Reqs/sec)	474979
nginx - 500 (Reqs/sec)	408378
Natron - Spaceship (FPS)	3.2
Apache HTTP Server - 1 (Reqs/sec)	13216
Apache HTTP Server - 20 (Reqs/sec)	83890
Apache HTTP Server - 100 (Reqs/sec)	124197
Apache HTTP Server - 200 (Reqs/sec)	110951
Apache HTTP Server - 500 (Reqs/sec)	68900

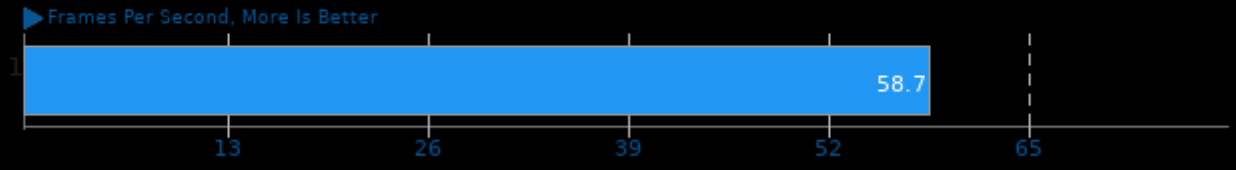
GravityMark 1.2

Resolution: 1920 x 1080 - Renderer: Vulkan



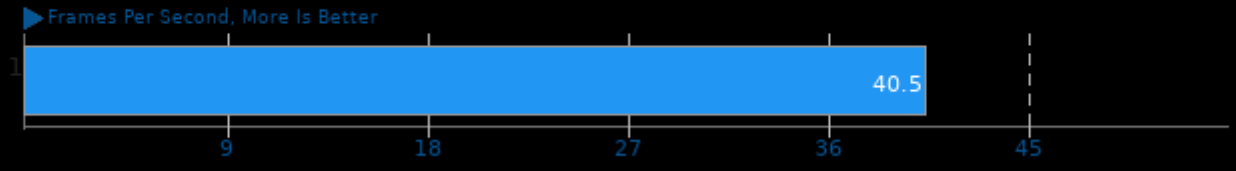
GravityMark 1.2

Resolution: 2560 x 1440 - Renderer: Vulkan



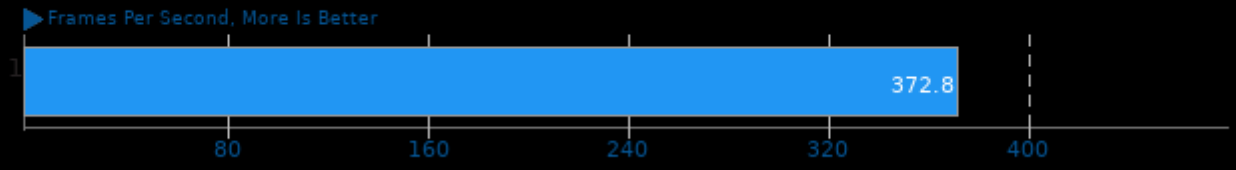
GravityMark 1.2

Resolution: 3840 x 2160 - Renderer: Vulkan



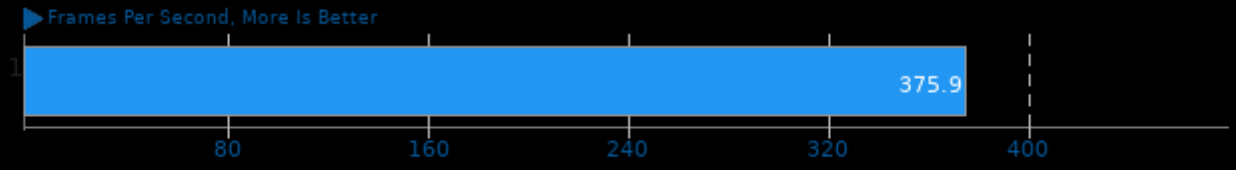
Unvanquished 0.52.1

Resolution: 1920 x 1080 - Effects Quality: High



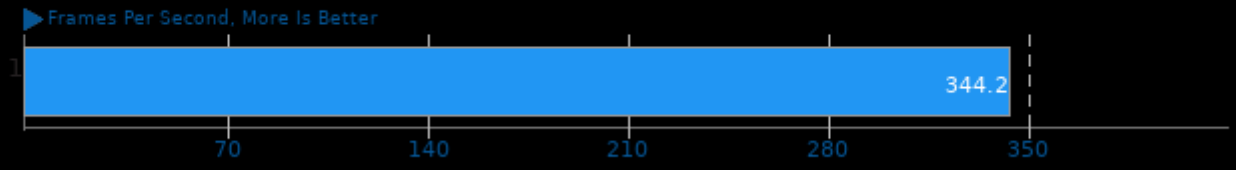
Unvanquished 0.52.1

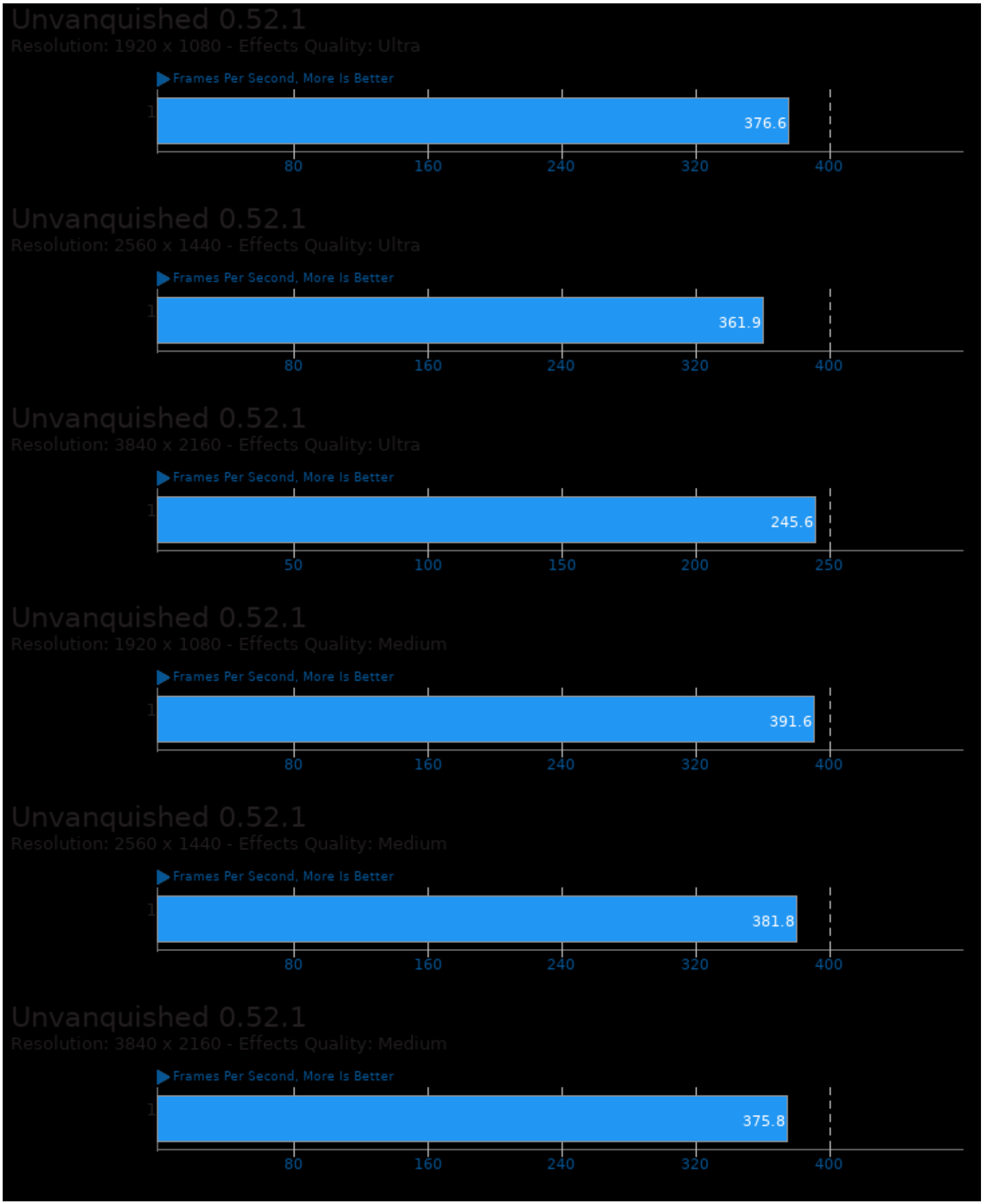
Resolution: 2560 x 1440 - Effects Quality: High



Unvanquished 0.52.1

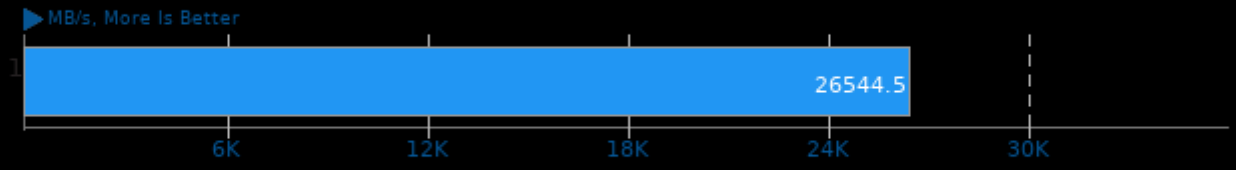
Resolution: 3840 x 2160 - Effects Quality: High




Unvanquished 0.52.1
Resolution: 1920 x 1080 - Effects Quality: Ultra
Frames Per Second, More Is Better
376.6
80
160
240
320
400
Unvanquished 0.52.1
Resolution: 2560 x 1440 - Effects Quality: Ultra
Frames Per Second, More Is Better
361.9
80
160
240
320
400
Unvanquished 0.52.1
Resolution: 3840 x 2160 - Effects Quality: Ultra
Frames Per Second, More Is Better
245.6
50
100
150
200
250
Unvanquished 0.52.1
Resolution: 1920 x 1080 - Effects Quality: Medium
Frames Per Second, More Is Better
391.6
80
160
240
320
400
Unvanquished 0.52.1
Resolution: 2560 x 1440 - Effects Quality: Medium
Frames Per Second, More Is Better
381.8
80
160
240
320
400
Unvanquished 0.52.1
Resolution: 3840 x 2160 - Effects Quality: Medium
Frames Per Second, More Is Better
375.8
80
160
240
320
400

C-Blosc 2.0

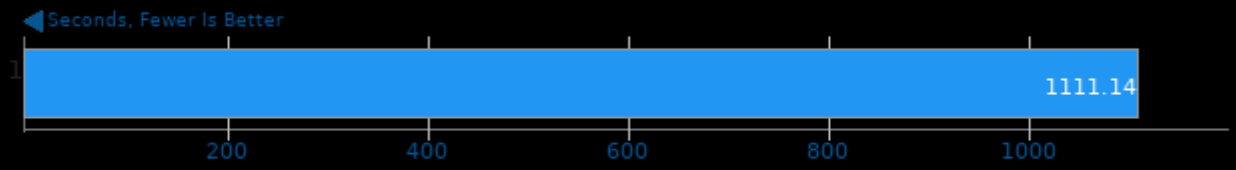
Compressor: blosclz



1. (CC) gcc options: -std=gnu99 -O3 -pthread -lrt -lm

Quantum ESPRESSO 6.8

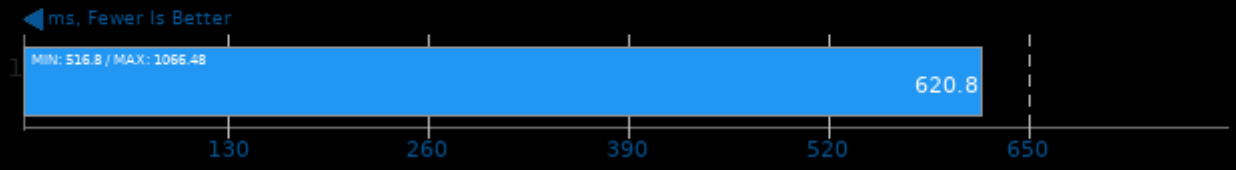
Input: AUSURF112



1. (F9X) gfortran options: -ldevXlib -lopenblas -lFoX_dom -lFoX_sax -lFoX_wxml -lFoX_common -lFoX_utils -lFoX_fsys -lfftw3 -pthread -lmpi_usempif08 -lmp

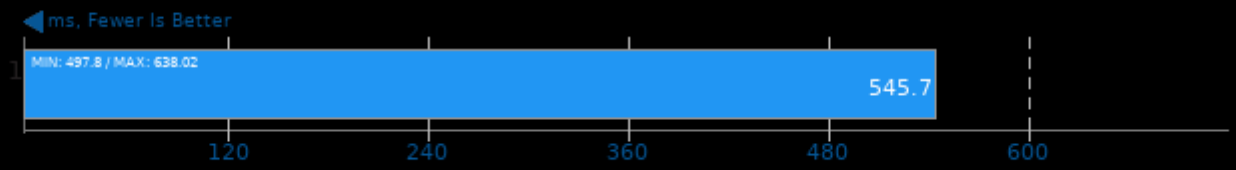
Renaissance 0.12

Test: Scala Dotty



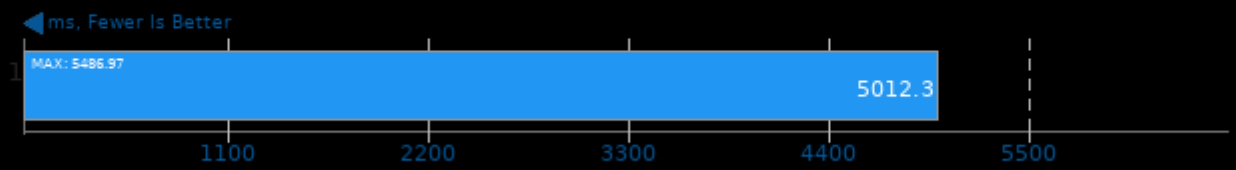
Renaissance 0.12

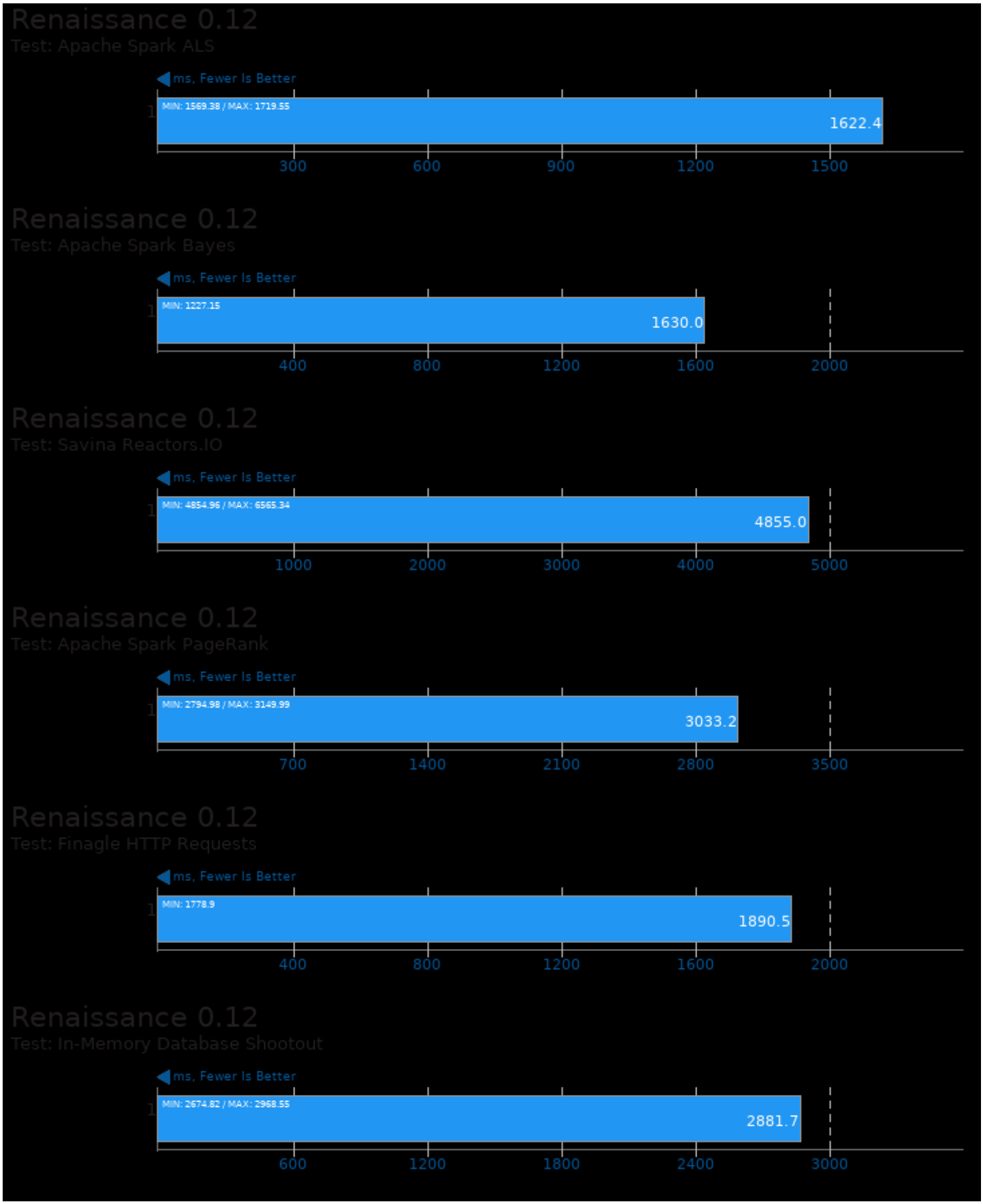
Test: Random Forest



Renaissance 0.12

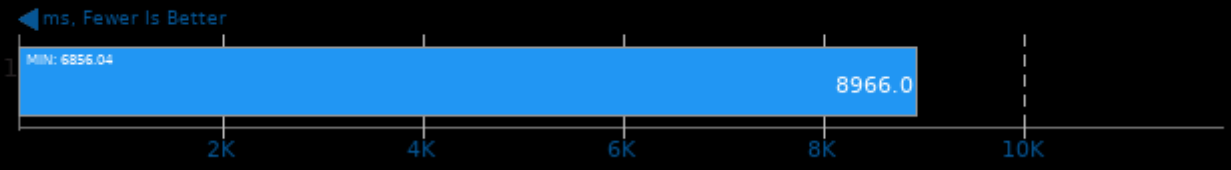
Test: ALS Movie Lens




Renaissance 0.12
Test: Apache Spark ALS
ms, Fewer Is Better
MIN: 1569.38 / MAX: 1719.55
1622.4
300
600
900
1200
1500
Renaissance 0.12
Test: Apache Spark Bayes
ms, Fewer Is Better
MIN: 1227.15
1630.0
400
800
1200
1600
2000
Renaissance 0.12
Test: Savina Reactors.IO
ms, Fewer Is Better
MIN: 4854.96 / MAX: 6565.34
4855.0
1000
2000
3000
4000
5000
Renaissance 0.12
Test: Apache Spark PageRank
ms, Fewer Is Better
MIN: 2794.98 / MAX: 3149.99
3033.2
700
1400
2100
2800
3500
Renaissance 0.12
Test: Finagle HTTP Requests
ms, Fewer Is Better
MIN: 1778.9
1890.5
400
800
1200
1600
2000
Renaissance 0.12
Test: In-Memory Database Shootout
ms, Fewer Is Better
MIN: 2674.82 / MAX: 2968.55
2881.7
600
1200
1800
2400
3000

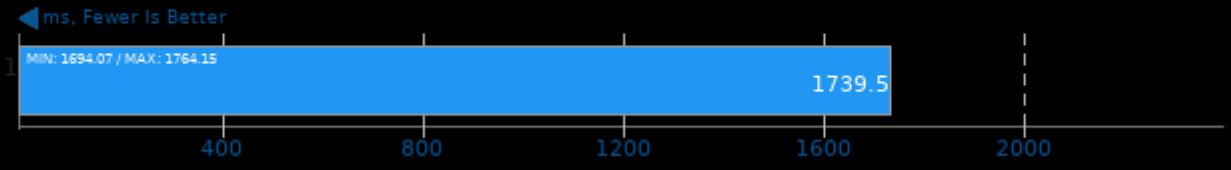
Renaissance 0.12

Test: Akka Unbalanced Cobwebbed Tree



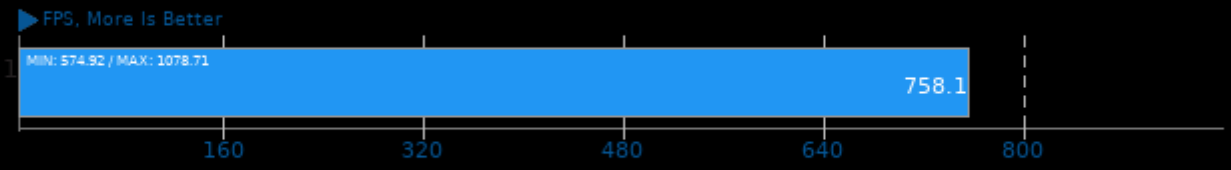
Renaissance 0.12

Test: Genetic Algorithm Using Jenetics + Futures



dav1d 0.9.1

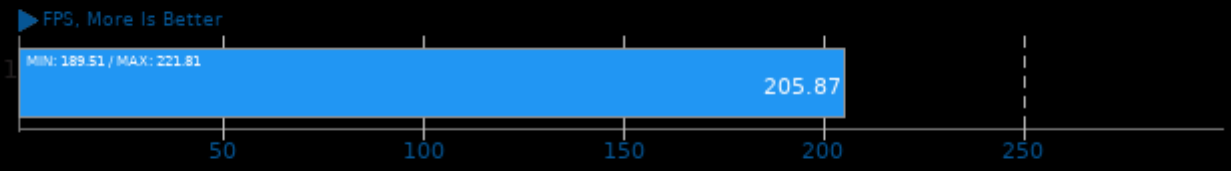
Video Input: Chimera 1080p



1. (CC) gcc options: -pthread

dav1d 0.9.1

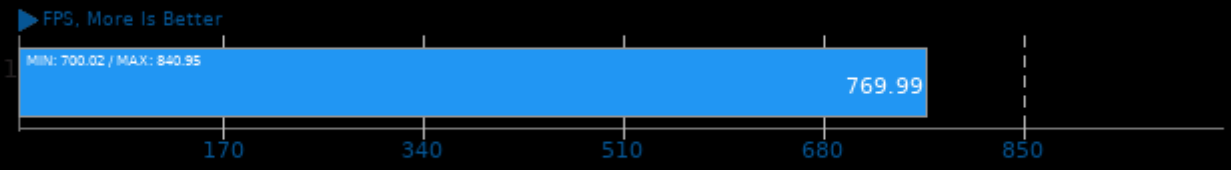
Video Input: Summer Nature 4K



1. (CC) gcc options: -pthread

dav1d 0.9.1

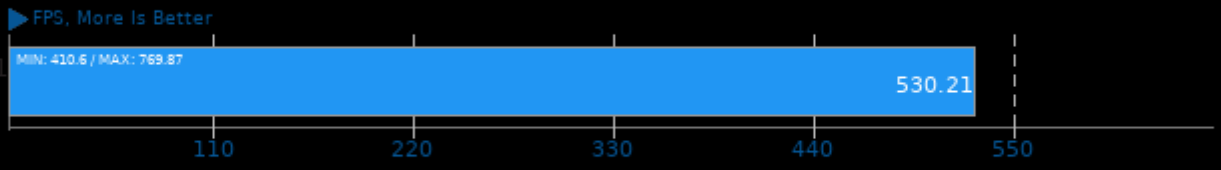
Video Input: Summer Nature 1080p



1. (CC) gcc options: -pthread

dav1d 0.9.1

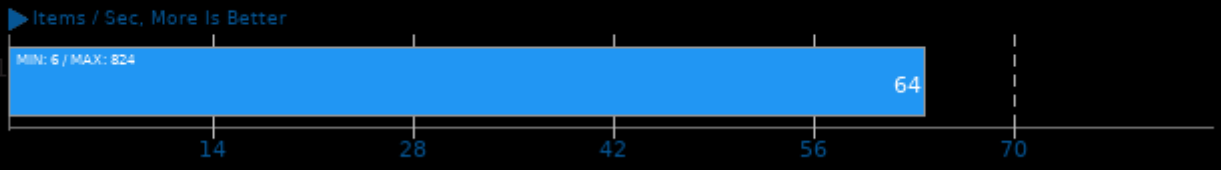
Video Input: Chimera 1080p 10-bit



1. (CC) gcc options: -pthread

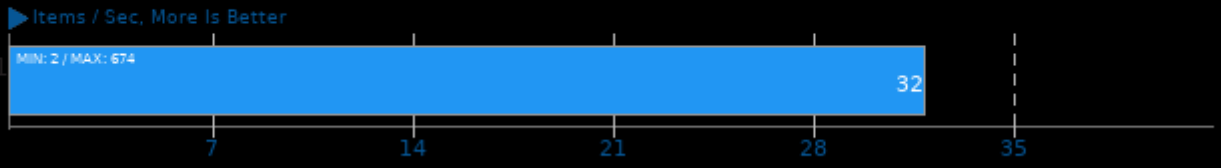
OpenVKL 1.0

Benchmark: vklBenchmark ISPC



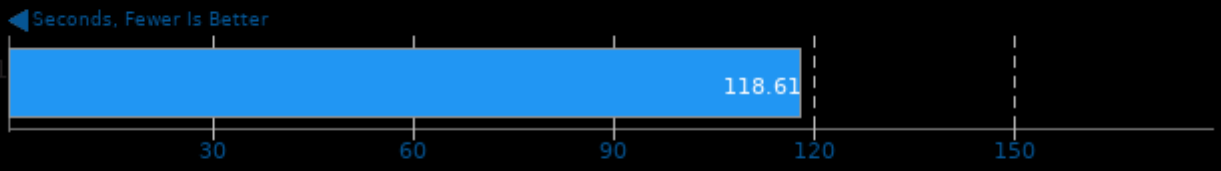
OpenVKL 1.0

Benchmark: vklBenchmark Scalar



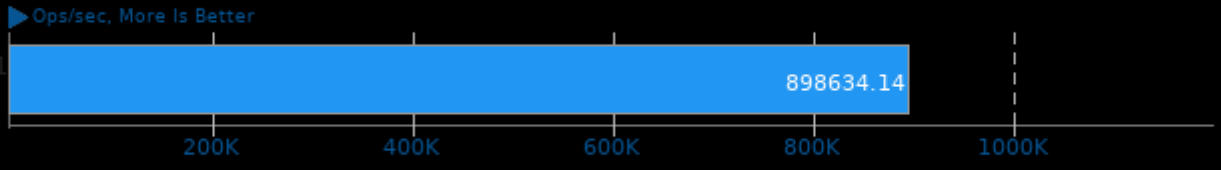
YafaRay 3.5.1

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

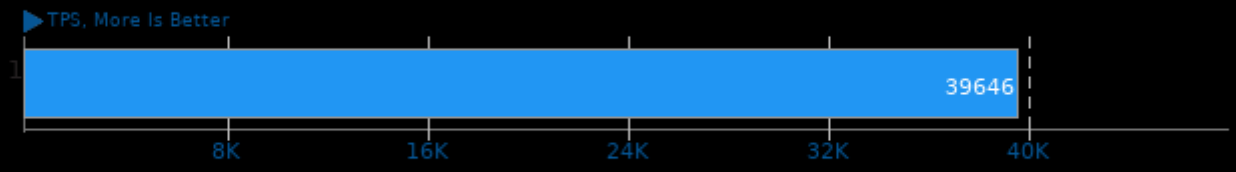
KeyDB 6.2.0



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

PostgreSQL pgbench 13.0

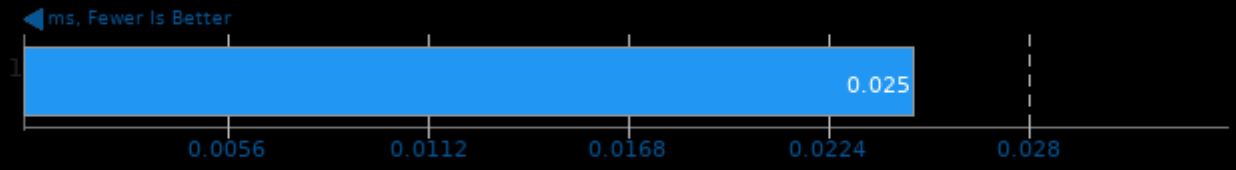
Scaling Factor: 1 - Clients: 1 - Mode: Read Only



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm

PostgreSQL pgbench 13.0

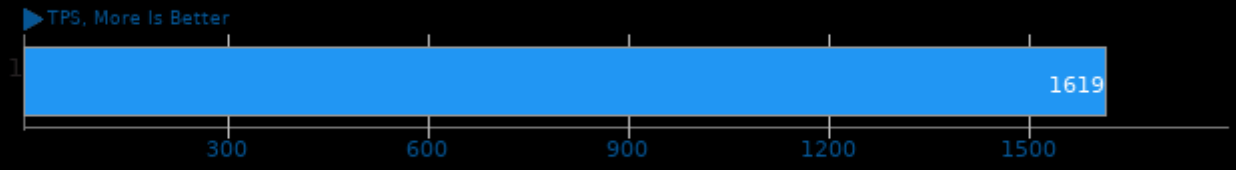
Scaling Factor: 1 - Clients: 1 - Mode: Read Only - Average Latency



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm

PostgreSQL pgbench 13.0

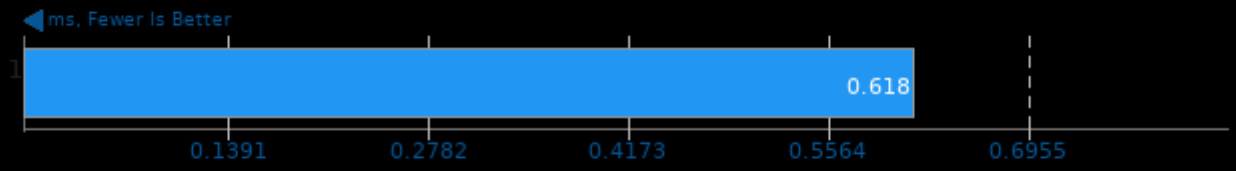
Scaling Factor: 1 - Clients: 1 - Mode: Read Write



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm

PostgreSQL pgbench 13.0

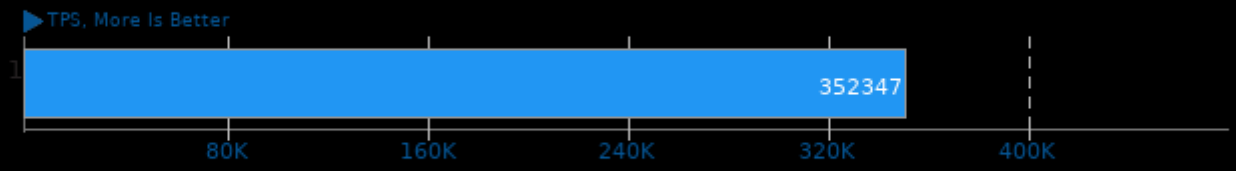
Scaling Factor: 1 - Clients: 1 - Mode: Read Write - Average Latency



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm

PostgreSQL pgbench 13.0

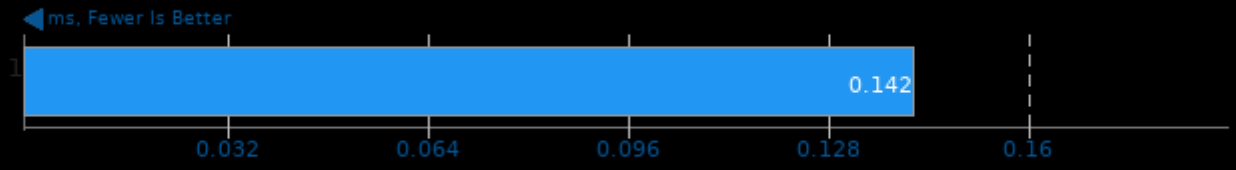
Scaling Factor: 1 - Clients: 50 - Mode: Read Only



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm

PostgreSQL pgbench 13.0

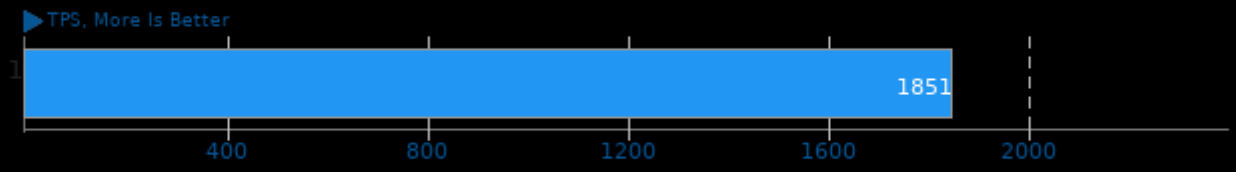
Scaling Factor: 1 - Clients: 50 - Mode: Read Only - Average Latency



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm

PostgreSQL pgbench 13.0

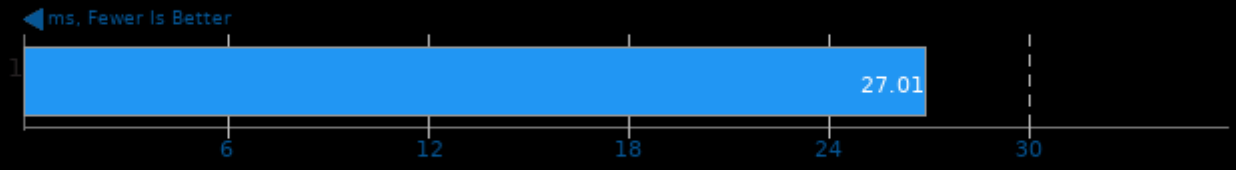
Scaling Factor: 1 - Clients: 50 - Mode: Read Write



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm

PostgreSQL pgbench 13.0

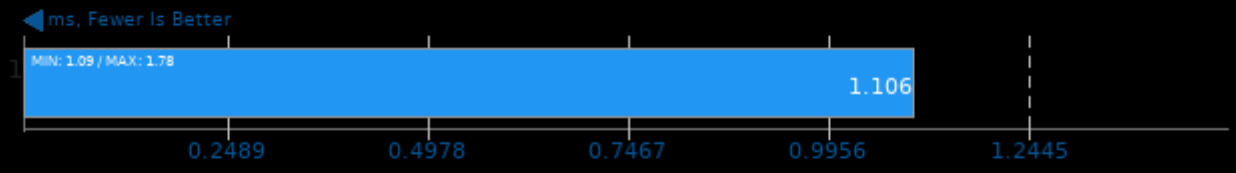
Scaling Factor: 1 - Clients: 50 - Mode: Read Write - Average Latency



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lpthread -lrt -ldl -lm

Mobile Neural Network 1.2

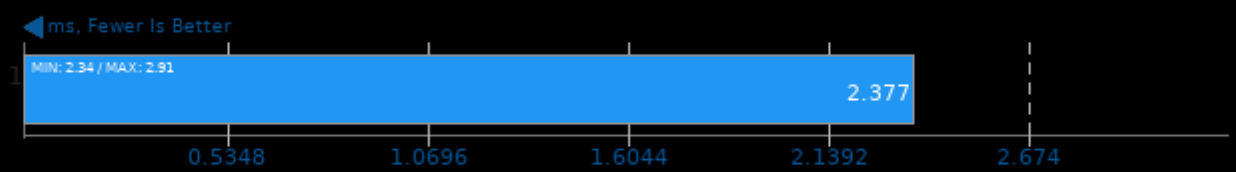
Model: mobilenetV3



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

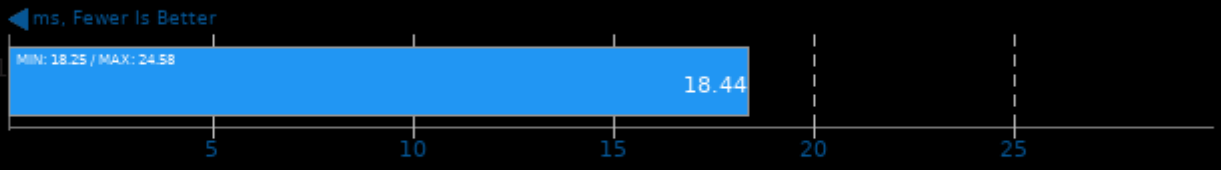
Model: squeezenetv1.1



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

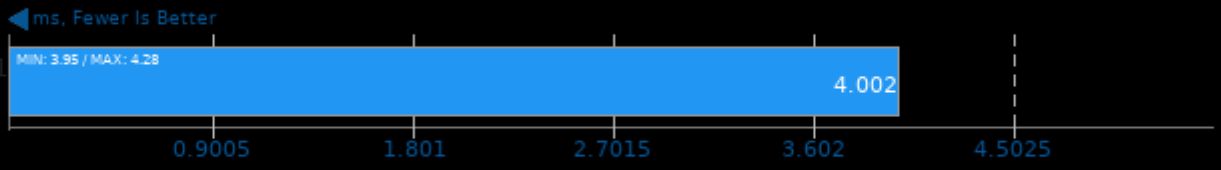
Model: resnet-v2-50



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

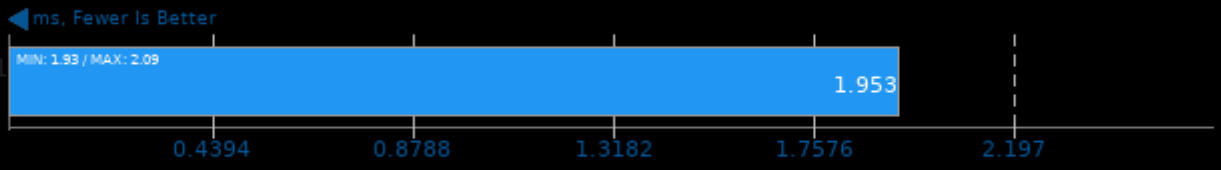
Model: SqueezeNetV1.0



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

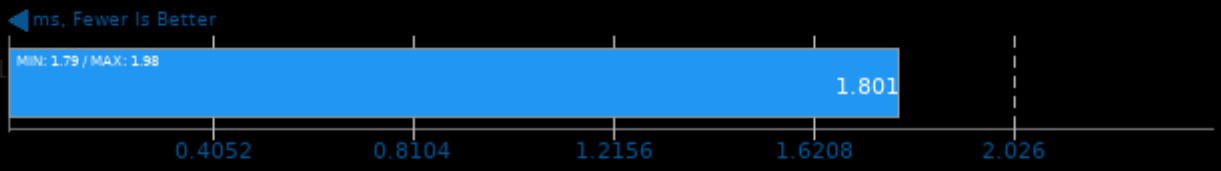
Model: MobileNetV2_224



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

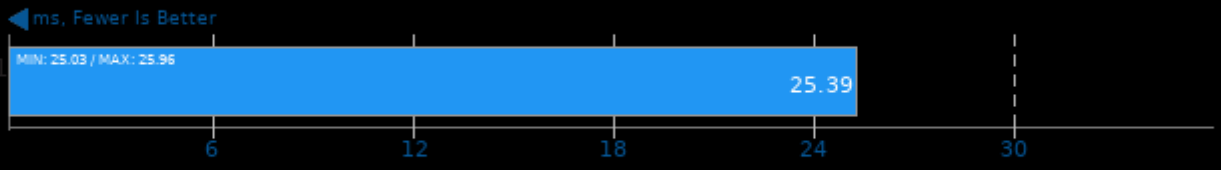
Model: mobilenet-v1-1.0



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

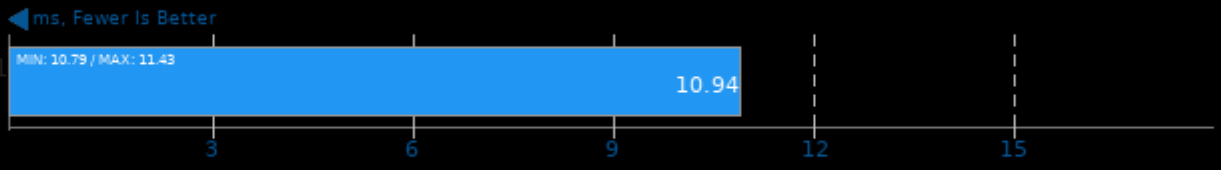
Model: inception-v3



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

NCNN 20210720

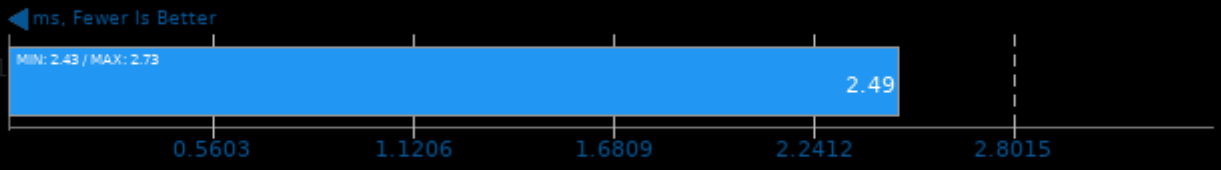
Target: CPU - Model: mobilenet



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

NCNN 20210720

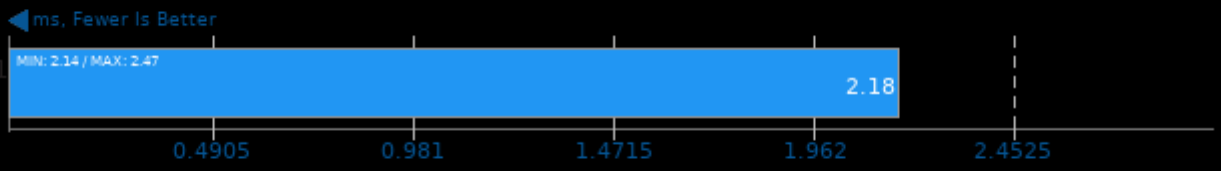
Target: CPU-v2-v2 - Model: mobilenet-v2



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

NCNN 20210720

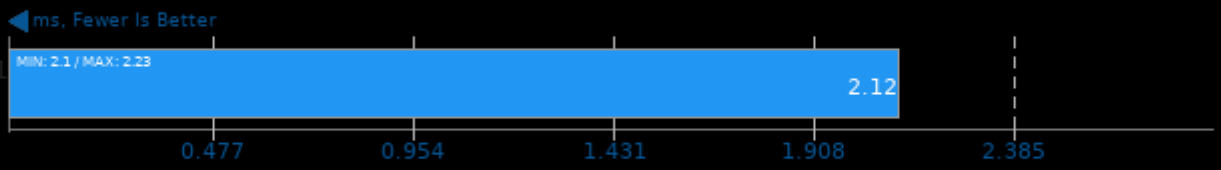
Target: CPU-v3-v3 - Model: mobilenet-v3



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

NCNN 20210720

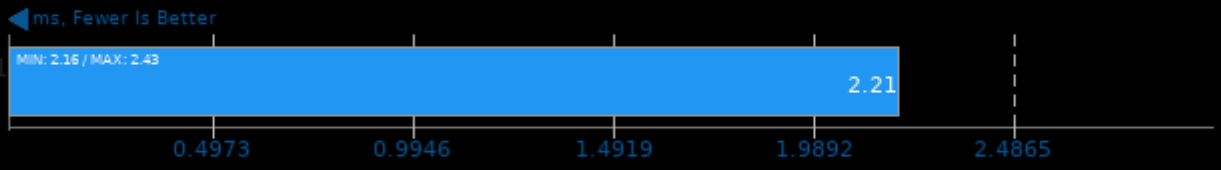
Target: CPU - Model: shufflenet-v2



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

NCNN 20210720

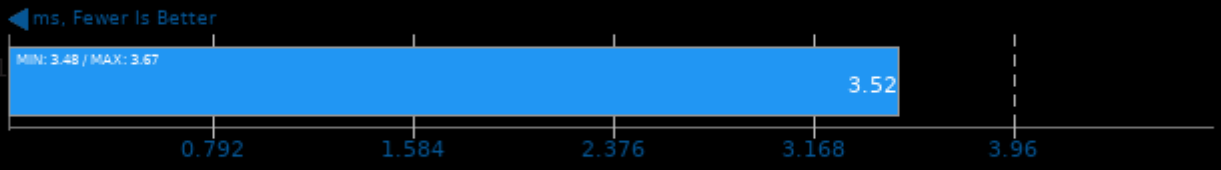
Target: CPU - Model: mnasnet



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

NCNN 20210720

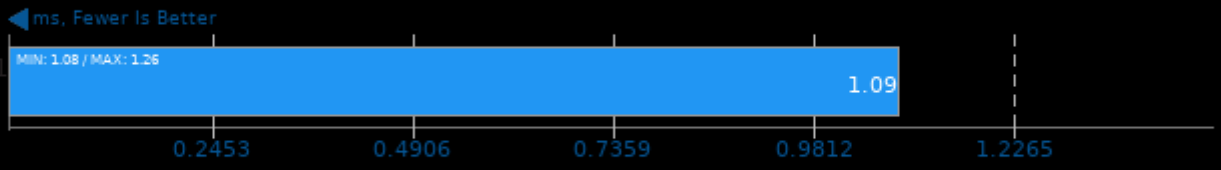
Target: CPU - Model: efficientnet-b0



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

NCNN 20210720

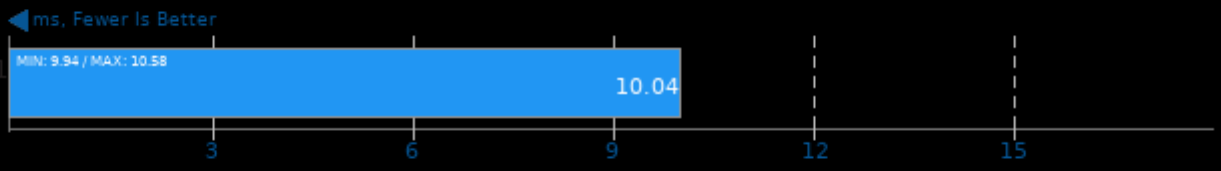
Target: CPU - Model: blazeface



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

NCNN 20210720

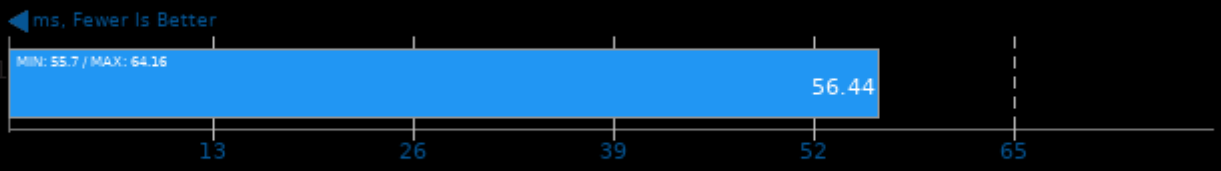
Target: CPU - Model: googlenet



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

NCNN 20210720

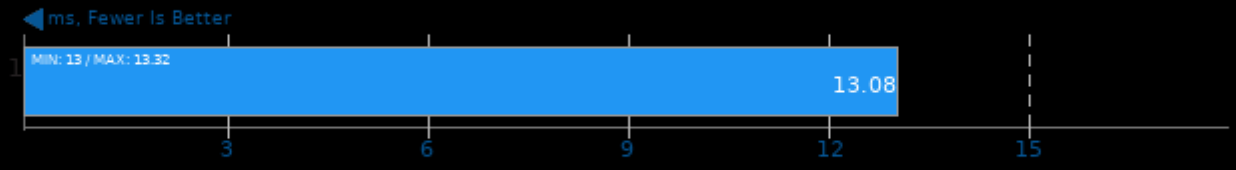
Target: CPU - Model: vgg16



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

NCNN 20210720

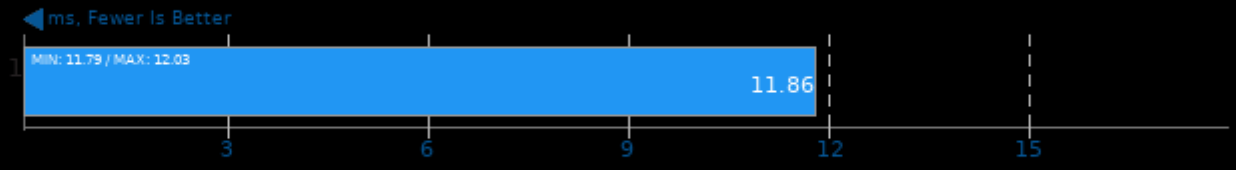
Target: CPU - Model: resnet18



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

NCNN 20210720

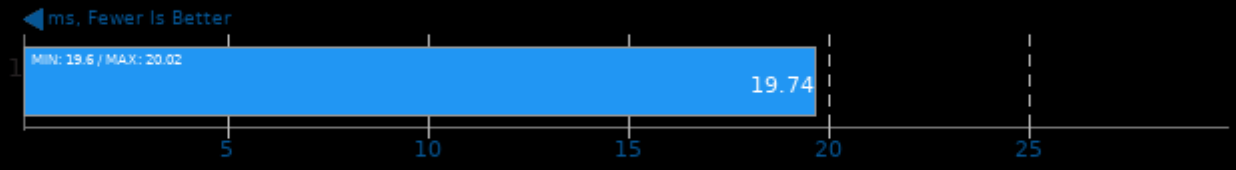
Target: CPU - Model: alexnet



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

NCNN 20210720

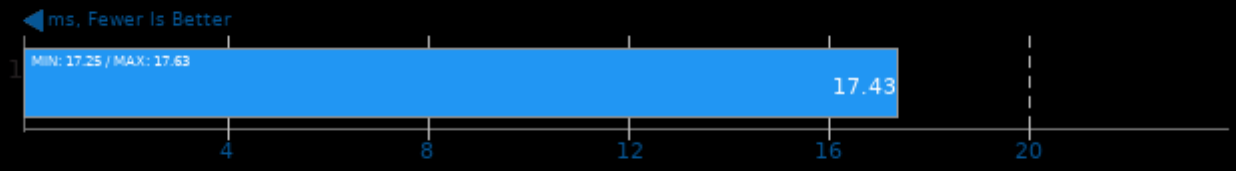
Target: CPU - Model: resnet50



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

NCNN 20210720

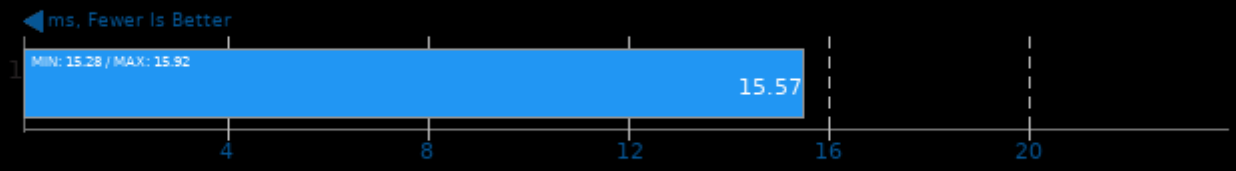
Target: CPU - Model: yolov4-tiny



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

NCNN 20210720

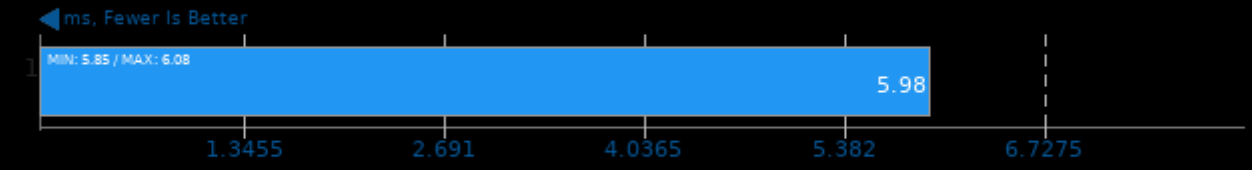
Target: CPU - Model: squeezenet_ssd



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

NCNN 20210720

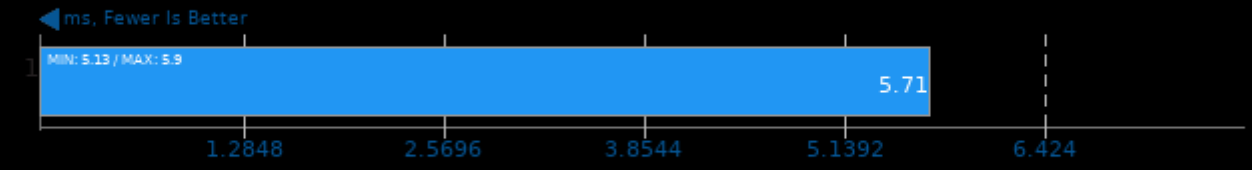
Target: CPU - Model: regnety_400m



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

NCNN 20210720

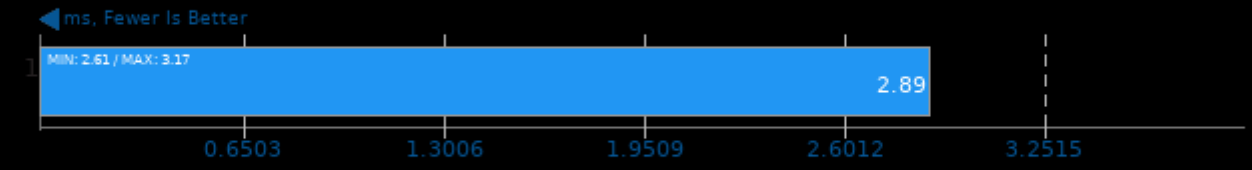
Target: Vulkan GPU - Model: mobilenet



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

NCNN 20210720

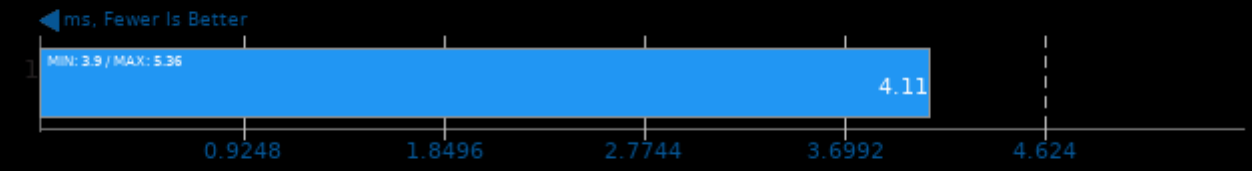
Target: Vulkan GPU-v2-v2 - Model: mobilenet-v2



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

NCNN 20210720

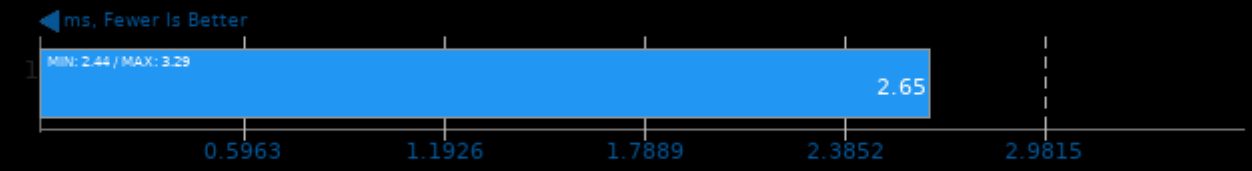
Target: Vulkan GPU-v3-v3 - Model: mobilenet-v3



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

NCNN 20210720

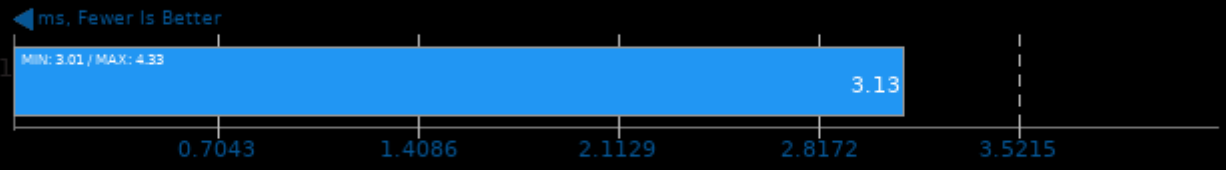
Target: Vulkan GPU - Model: shufflenet-v2



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

NCNN 20210720

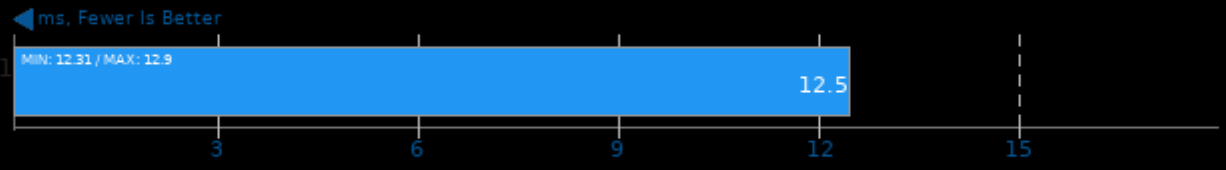
Target: Vulkan GPU - Model: mnasnet



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

NCNN 20210720

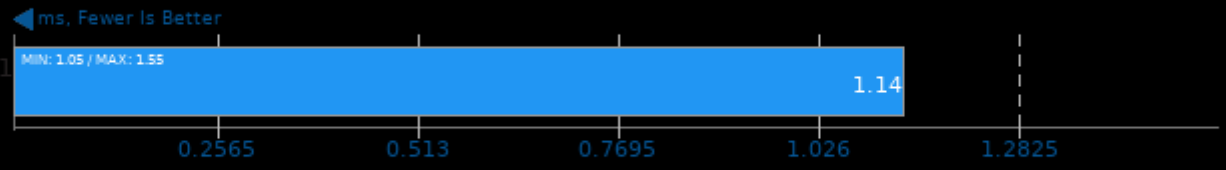
Target: Vulkan GPU - Model: efficientnet-b0



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

NCNN 20210720

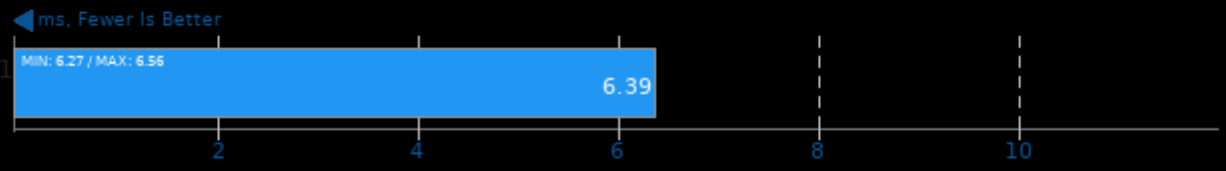
Target: Vulkan GPU - Model: blazeface



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

NCNN 20210720

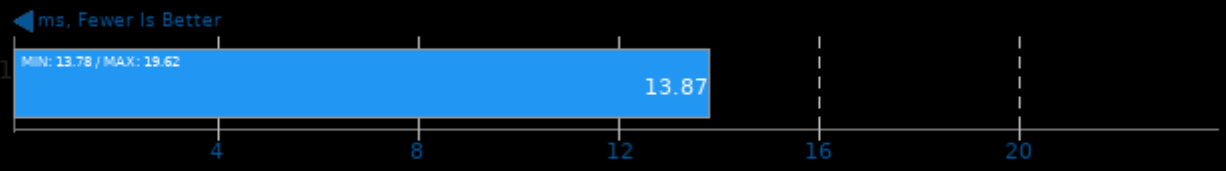
Target: Vulkan GPU - Model: googlenet



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

NCNN 20210720

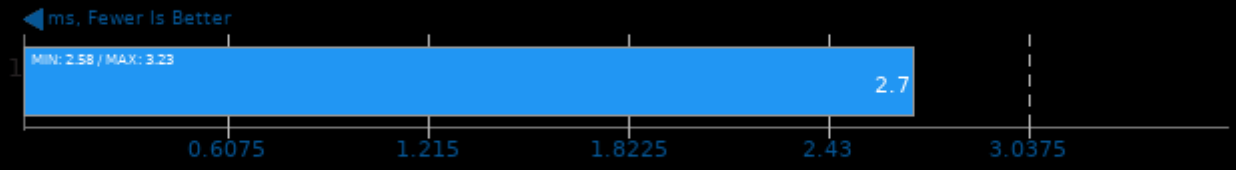
Target: Vulkan GPU - Model: vgg16



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

NCNN 20210720

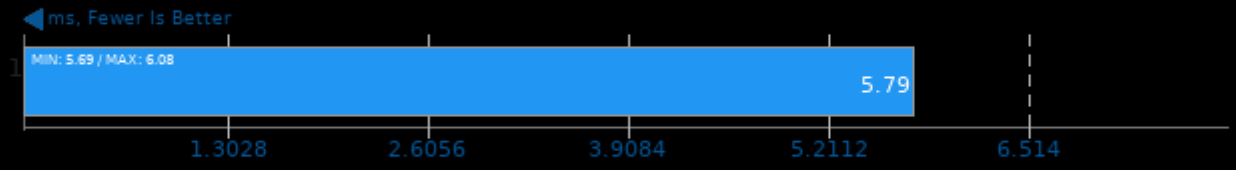
Target: Vulkan GPU - Model: resnet18



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

NCNN 20210720

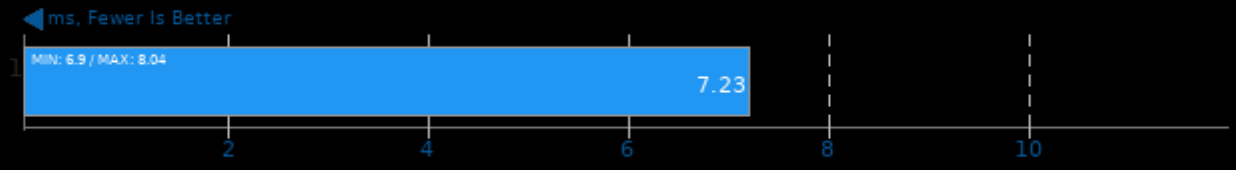
Target: Vulkan GPU - Model: alexnet



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

NCNN 20210720

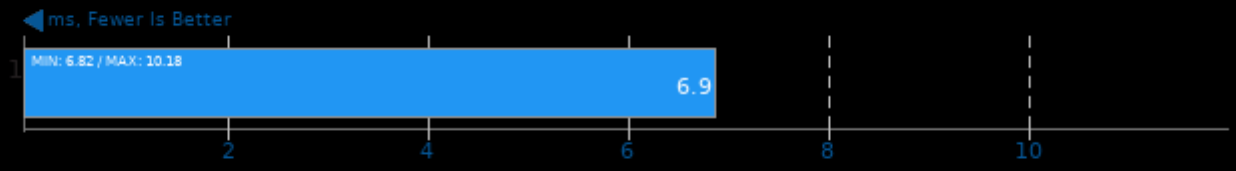
Target: Vulkan GPU - Model: resnet50



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

NCNN 20210720

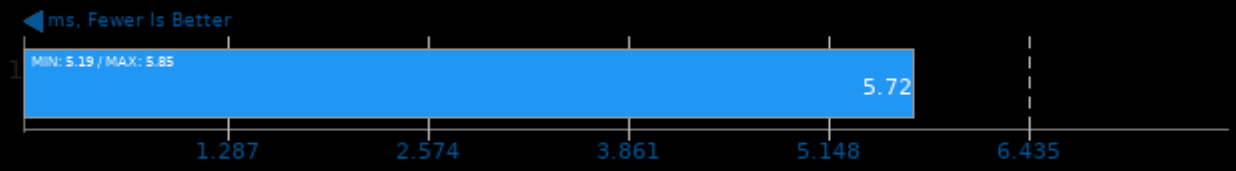
Target: Vulkan GPU - Model: yolov4-tiny



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

NCNN 20210720

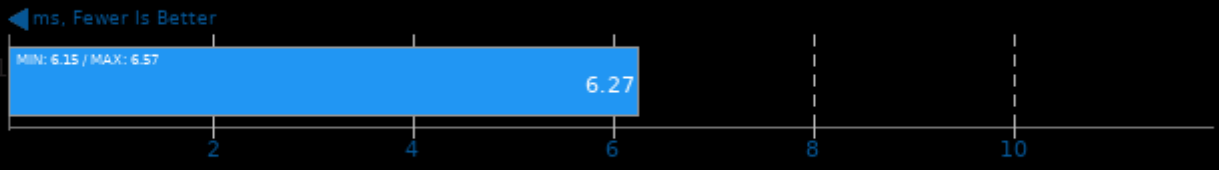
Target: Vulkan GPU - Model: squeezenet_ssd



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

NCNN 20210720

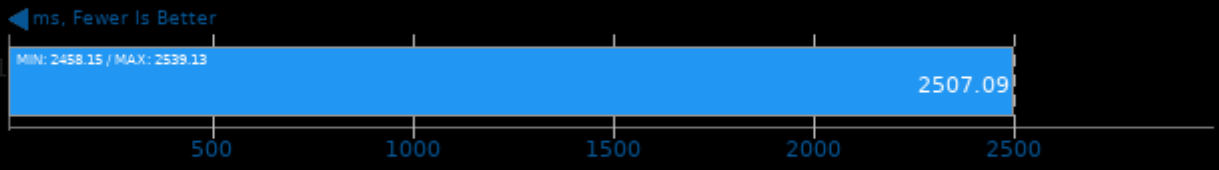
Target: Vulkan GPU - Model: regnety_400m



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

TNN 0.3

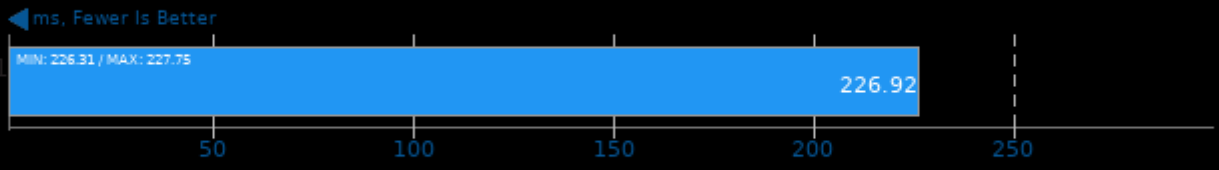
Target: CPU - Model: DenseNet



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

TNN 0.3

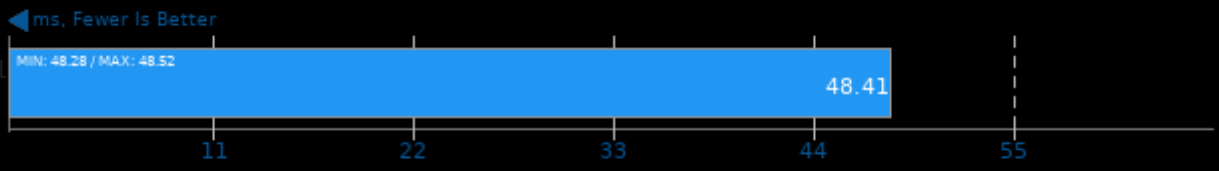
Target: CPU - Model: MobileNet v2



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

TNN 0.3

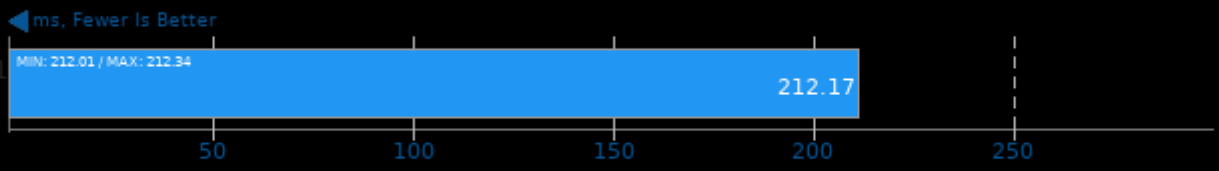
Target: CPU - Model: SqueezeNet v2



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

TNN 0.3

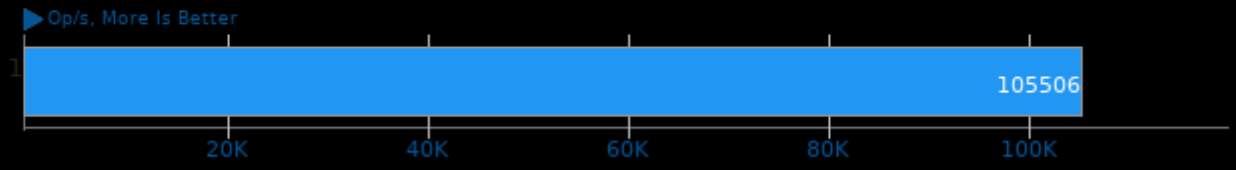
Target: CPU - Model: SqueezeNet v1.1



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

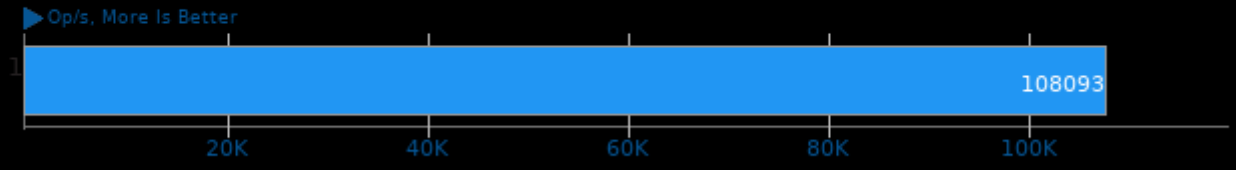
Apache Cassandra 4.0

Test: Reads



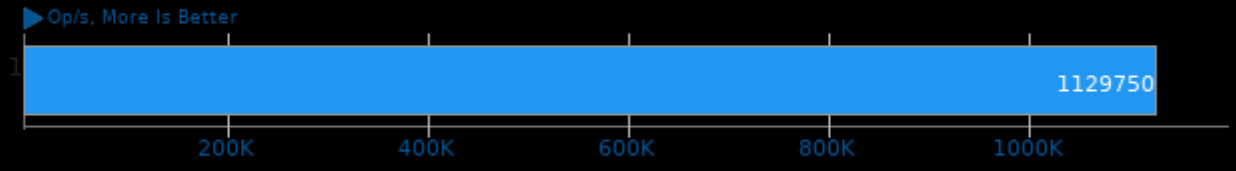
Apache Cassandra 4.0

Test: Writes



Facebook RocksDB 6.22.1

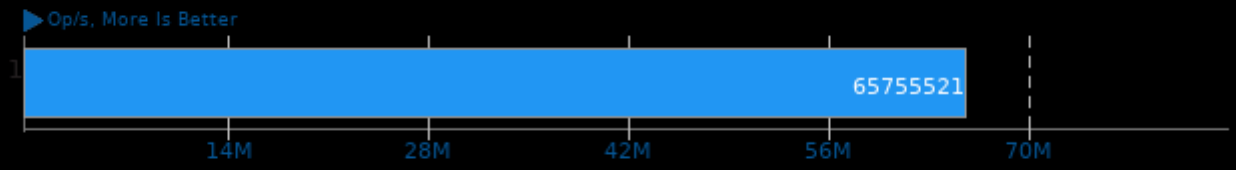
Test: Random Fill



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

Facebook RocksDB 6.22.1

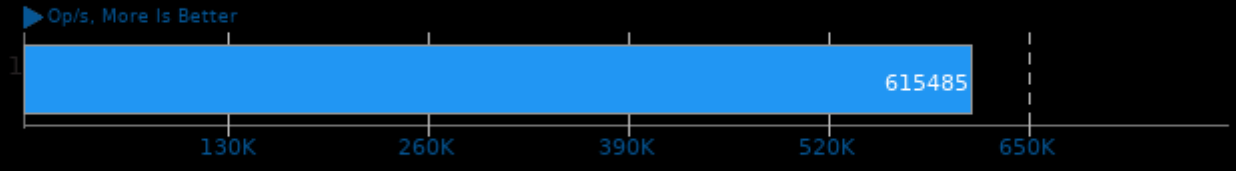
Test: Random Read



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

Facebook RocksDB 6.22.1

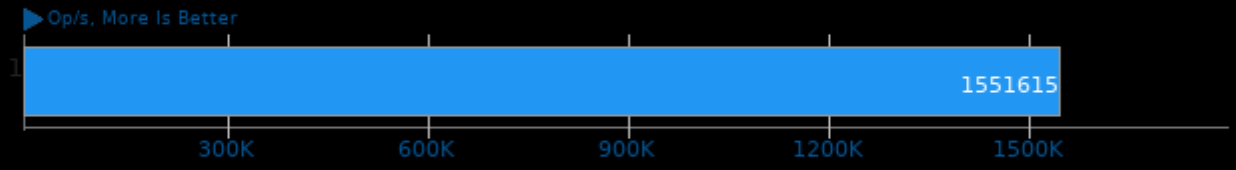
Test: Update Random



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

Facebook RocksDB 6.22.1

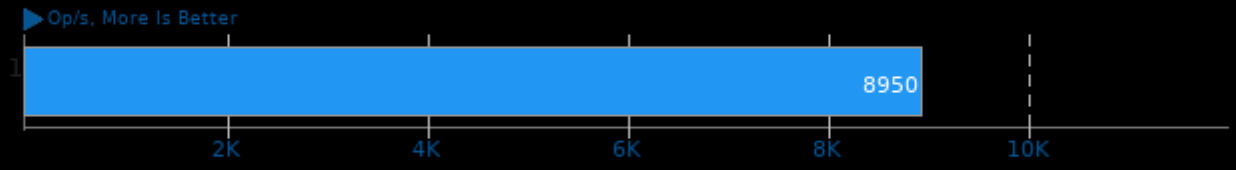
Test: Sequential Fill



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

Facebook RocksDB 6.22.1

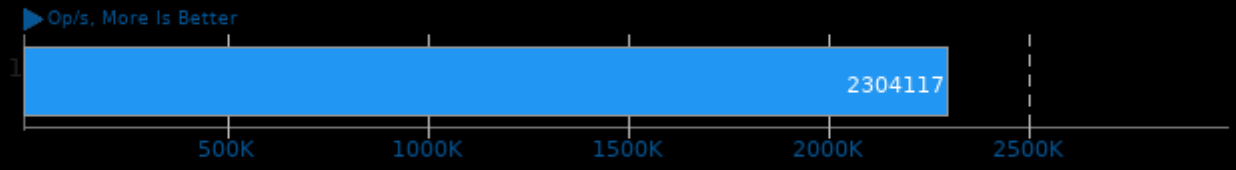
Test: Random Fill Sync



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

Facebook RocksDB 6.22.1

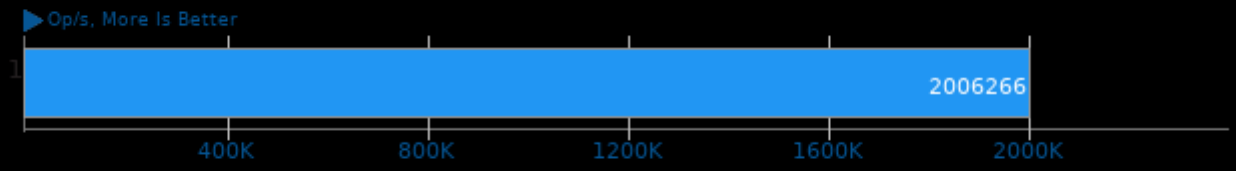
Test: Read While Writing



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

Facebook RocksDB 6.22.1

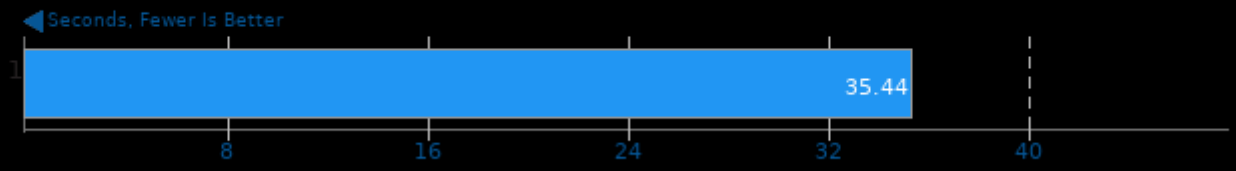
Test: Read Random Write Random

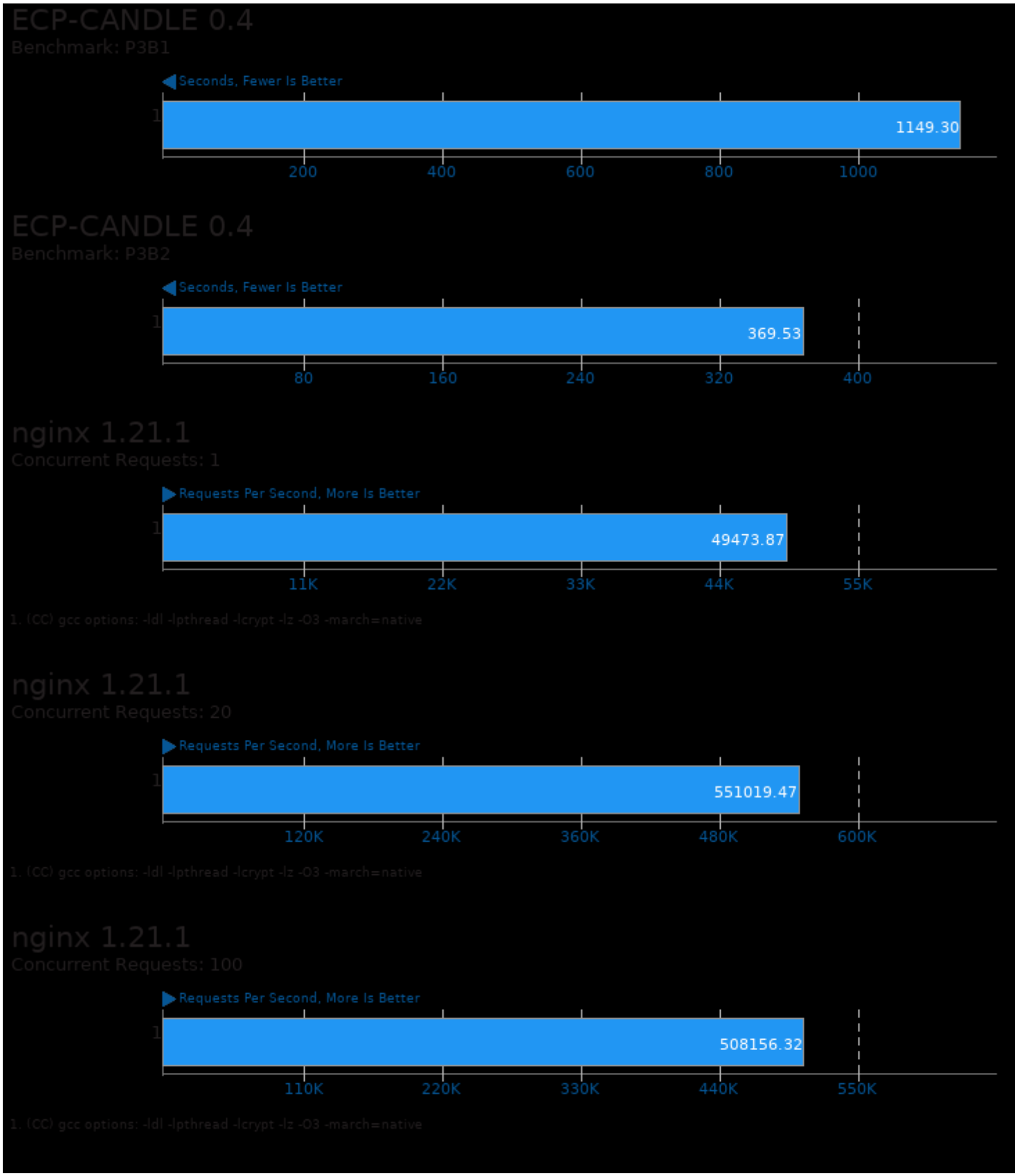


1. (CXX) g++ options: -O3 -march=native -pthread -fno-builtin-memcmp -fno-rtti -lpthread

ECP-CANDLE 0.4

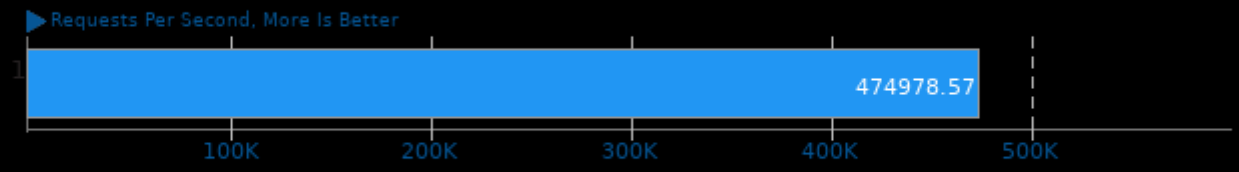
Benchmark: P1B2




ECP-CANDLE 0.4
Benchmark: P3B1
Seconds, Fewer Is Better
1149.30
200
400
600
800
1000
ECP-CANDLE 0.4
Benchmark: P3B2
Seconds, Fewer Is Better
369.53
80
160
240
320
400
nginx 1.21.1
Concurrent Requests: 1
Requests Per Second, More Is Better
49473.87
11K
22K
33K
44K
55K
1. (CC) gcc options: -ldl -lpthread -lcrypt -lz -O3 -march=native
nginx 1.21.1
Concurrent Requests: 20
Requests Per Second, More Is Better
551019.47
120K
240K
360K
480K
600K
1. (CC) gcc options: -ldl -lpthread -lcrypt -lz -O3 -march=native
nginx 1.21.1
Concurrent Requests: 100
Requests Per Second, More Is Better
508156.32
110K
220K
330K
440K
550K
1. (CC) gcc options: -ldl -lpthread -lcrypt -lz -O3 -march=native

nginx 1.21.1

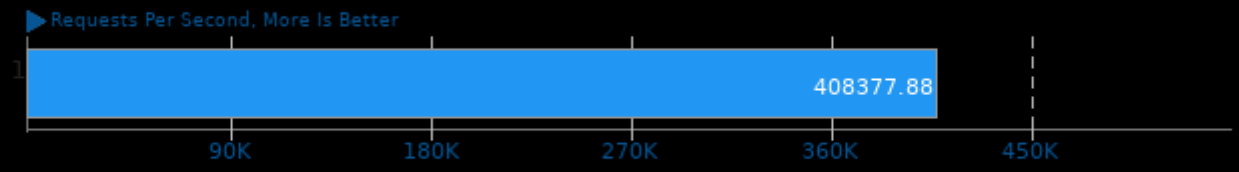
Concurrent Requests: 200



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

nginx 1.21.1

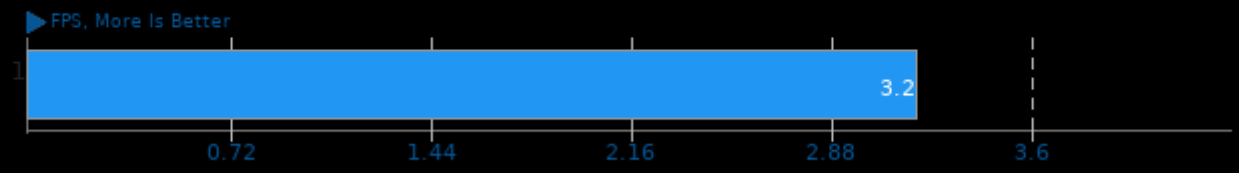
Concurrent Requests: 500



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

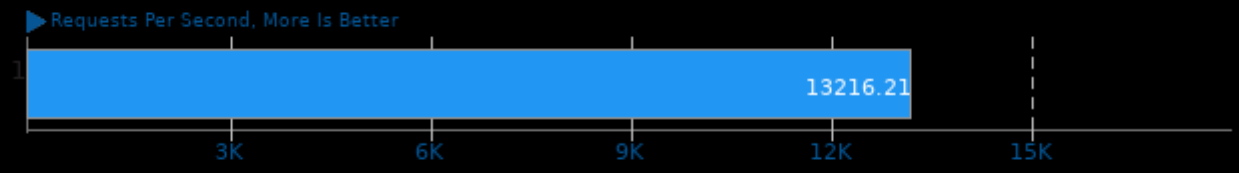
Natron 2.4

Input: Spaceship



Apache HTTP Server 2.4.48

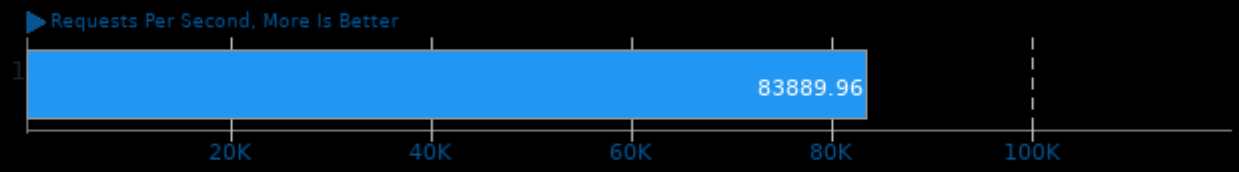
Concurrent Requests: 1



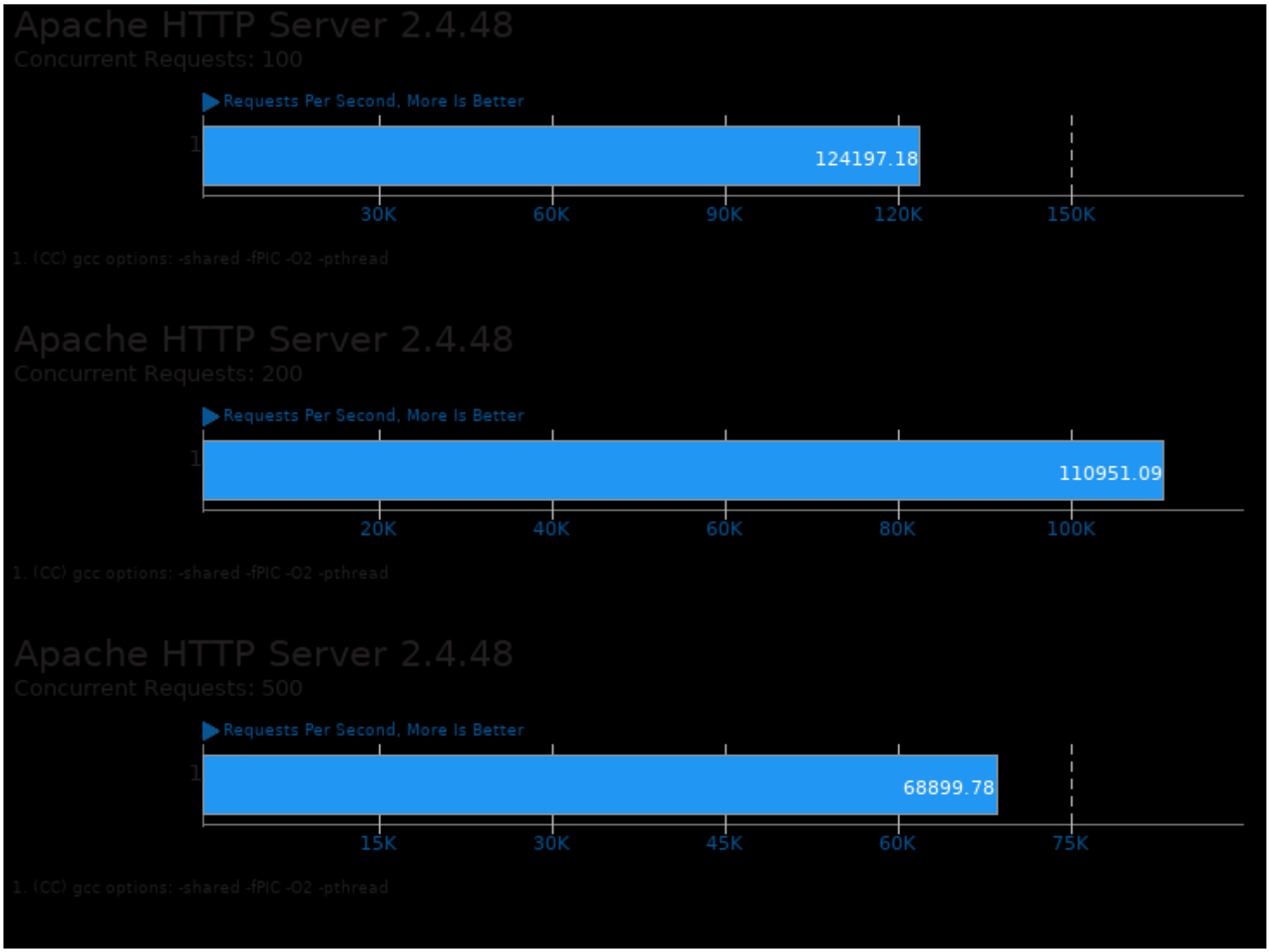
1. (CC) gcc options: -shared -fPIC -O2 -pthread

Apache HTTP Server 2.4.48

Concurrent Requests: 20



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



This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 21:20.