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3900XT August

AMD Ryzen 9 3900XT 12-Core testing with a MSI MEG X570 GODLIKE (MS-7C34) v1.0 (1.B3 BIOS) and AMD Radeon RX 56/64 8GB on Ubuntu 20.10 via the Phoronix Test Suite.

Automated Executive Summary

1 had the most wins, coming in first place for 42% of the tests.

Based on the geometric mean of all complete results, the fastest (2) was 1.033x the speed of the slowest (1). 4 was 0.996x the speed of 2, 3 was 0.998x the speed of 4, 1 was 0.975x the speed of 3.

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

ECP-CANDLE (Benchmark: P1B2) at 4.576x
Apache Cassandra (Test: Mixed 1:1) at 1.139x
dav1d (Video Input: Summer Nature 4K) at 1.081x
NCNN (Target: Vulkan GPU - Model: efficientnet-b0) at 1.079x
Apache Cassandra (Test: Writes) at 1.078x
NCNN (Target: CPU - Model: googlenet) at 1.07x
NCNN (Target: CPU - Model: resnet18) at 1.058x
NCNN (Target: Vulkan GPU - Model: vgg16) at 1.044x
Apache HTTP Server (Concurrent Requests: 1) at 1.044x

NCNN (Target: Vulkan GPU - Model: mobilenet) at 1.026x.

Test Systems:

1

2

3

4

Processor: AMD Ryzen 9 3900XT 12-Core @ 3.80GHz (12 Cores / 24 Threads), Motherboard: MSI MEG X570 GODLIKE (MS-7C34) v1.0 (1.B3 BIOS), Chipset: AMD Starship/Matisse, Memory: 16GB, Disk: 500GB Seagate FireCuda 520 SSD ZP500GM30002, Graphics: AMD Radeon RX 56/64 8GB (1630/945MHz), Audio: AMD Vega 10 HDMI Audio, Monitor: ASUS MG28U, Network: Realtek Device 2600 + Realtek Device 3000 + Intel Wi-Fi 6 AX200

OS: Ubuntu 20.10, Kernel: 5.11.0-rc1-phx (x86_64) 20201228, Desktop: GNOME Shell 3.38.1, Display Server: X Server 1.20.9, OpenGL: 4.6 Mesa 20.2.1 (LLVM 11.0.0), Vulkan: 1.2.131, Compiler: GCC 10.3.0, 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-bootstrap --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++,m2 --enable-libphobos-checking=release --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-link-mutex --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none=/build/gcc-10-poYruo/gcc-10-10.3.0/debian/tmp-nvptx/usr,amdgcn-amdhsa=/build/gcc-10-poYruo/gcc-10-10.3.0/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-build-config=bootstrap-lto-lean --with-default-libstdcxx-abi=new --with-gcc-major-version-only --with-multilib-list=m32,m64,mx32 --with-target-system-zlib=auto --with-tune=generic --without-cuda-driver -v
 Processor Notes: Scaling Governor: acpi-cpufreq schedutil (Boost: Enabled) - CPU Microcode: 0x8701021
 Graphics Notes: GLAMOR

Java Notes: OpenJDK Runtime Environment (build 11.0.11+9-Ubuntu-0ubuntu2.20.10)

Python Notes: Python 2.7.18 + Python 3.8.10

Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + spec_store_bypass: Mitigation of SSB disabled via prctl and seccomp + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Full AMD retpoline IPBP: conditional STIBP: conditional RSB filling + srbs: Not affected + tsx_async_abort: Not affected

	1	2	3	4
GravityMark - 1920 x 1080 - Vulkan	100.9	100.9	100.5	100.8
(FPS)				
Normalized	100%	100%	99.6%	99.9%
Standard Deviation			0.5%	
GravityMark - 1920 x 1200 - Vulkan	100.2	99.7	99.4	100.1
(FPS)				
Normalized	100%	99.5%	99.2%	99.9%
Standard Deviation			0.3%	

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GravityMark - 2560 x 1440 - Vulkan (FPS)	85.2	86.3	86.3	85.9
Normalized	98.73%	100%	100%	99.54%
Standard Deviation		0.4%		
GravityMark - 3840 x 2160 - Vulkan (FPS)	61.4	61.5	61.1	61
Normalized	99.84%	100%	99.35%	99.19%
Standard Deviation		0.2%		
Quantum ESPRESSO - AUSURF112 (sec)	544.33	534.37	541.64	532.54
Normalized	97.83%	99.66%	98.32%	100%
Standard Deviation		0.9%		
dav1d - Chimera 1080p (FPS)	498.18	503.15	503.72	496.97
Normalized	98.9%	99.89%	100%	98.66%
Standard Deviation		0.3%		
dav1d - Summer Nature 4K (FPS)	193.64	209.38	207.39	205.4
Normalized	92.48%	100%	99.05%	98.1%
Standard Deviation		0.3%		
dav1d - S.N.1 (FPS)	437.38	441.14	435.40	433.79
Normalized	99.15%	100%	98.7%	98.33%
Standard Deviation		0.2%		
dav1d - C.1.1.b (FPS)	361.53	368	367.16	365.79
Normalized	98.24%	100%	99.77%	99.4%
Standard Deviation		0.1%		
OpenVKL - vklBenchmark ISPC (Items / Sec)	66	66	66	66
Normalized	100%	99.43%	99.03%	99.44%
Standard Deviation		0%		
OpenVKL - v.S (Items / Sec)	38	38	38	38
YafaRay - T.T.F.S.S (sec)	101.974	102.554	102.969	102.552
Normalized	100%	99.43%	99.03%	99.44%
Standard Deviation		0%		
Tachyon - Total Time (sec)	60.559	60.7376	60.5657	60.7096
Normalized	100%	99.71%	99.99%	99.75%
Standard Deviation		0.2%		
KeyDB (Ops/sec)	600652	602061	602742	594995
Normalized	99.65%	99.89%	100%	98.71%
Standard Deviation		0.4%		
NCNN - CPU - mobilenet (ms)	16.15	16.01	16.08	16.16
Normalized	99.13%	100%	99.56%	99.07%
Standard Deviation		0.2%		
NCNN - CPU-v2-v2 - mobilenet-v2 (ms)	5.19	5.21	5.18	5.21
Normalized	99.23%	98.85%	99.42%	98.85%
Standard Deviation		0.2%		
NCNN - CPU-v3-v3 - mobilenet-v3 (ms)	4.55	4.55	4.55	4.56
Normalized	99.78%	99.78%	99.78%	99.56%
Standard Deviation		0.2%		
NCNN - CPU - shufflenet-v2 (ms)	5.02	5.01	5.00	5.01
Normalized	99.6%	99.8%	100%	99.8%
Standard Deviation		0.1%		
NCNN - CPU - mnasnet (ms)	4.61	4.59	4.60	4.62
Normalized	99.57%	100%	99.78%	99.35%
Standard Deviation		0.3%		
NCNN - CPU - efficientnet-b0 (ms)	6.84	6.77	6.79	6.8
Normalized	98.98%	100%	99.71%	99.56%
Standard Deviation		0.1%		

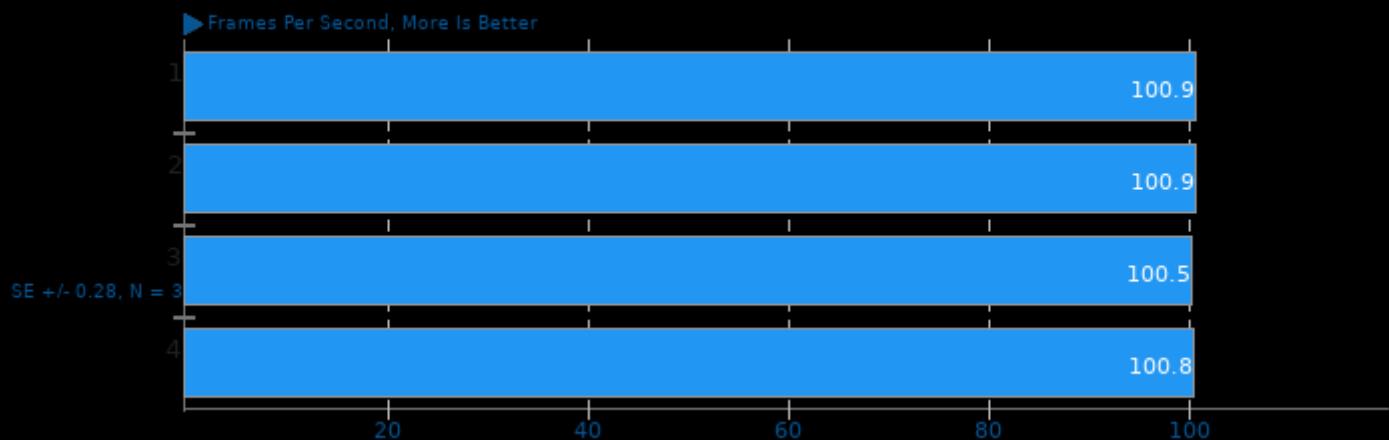
NCNN - CPU - blazeface (ms)	2.13	2.09	2.1	2.1
Normalized	98.12%	100%	99.52%	99.52%
Standard Deviation		0%		
NCNN - CPU - googlenet (ms)	17.02	15.9	16.01	15.96
Normalized	93.42%	100%	99.31%	99.62%
Standard Deviation		0.9%		
NCNN - CPU - vgg16 (ms)	59.59	59.34	59.70	59.52
Normalized	99.58%	100%	99.4%	99.7%
Standard Deviation		0.1%		
NCNN - CPU - resnet18 (ms)	16.92	16	16.01	16.05
Normalized	94.56%	100%	99.94%	99.69%
Standard Deviation		0.2%		
NCNN - CPU - alexnet (ms)	12.63	12.35	12.45	12.37
Normalized	97.78%	100%	99.2%	99.84%
Standard Deviation		1.1%		
NCNN - CPU - resnet50 (ms)	25.88	25.83	25.83	25.87
Normalized	99.73%	99.92%	99.92%	99.77%
Standard Deviation		0.1%		
NCNN - CPU - yolov4-tiny (ms)	25.86	25.78	25.80	25.97
Normalized	99.69%	100%	99.92%	99.27%
Standard Deviation		0.1%		
NCNN - CPU - squeezenet_ssdlite (ms)	18.38	18.39	18.45	18.52
Normalized	100%	99.95%	99.62%	99.24%
Standard Deviation		0.2%		
NCNN - CPU - regnety_400m (ms)	11.84	11.72	11.79	11.75
Normalized	98.99%	100%	99.41%	99.74%
Standard Deviation		0.2%		
NCNN - Vulkan GPU - mobilenet (ms)	8.45	8.41	8.39	8.61
Normalized	99.29%	99.76%	100%	97.44%
Standard Deviation		1.3%		
NCNN - Vulkan GPU-v2-v2 - mobilenet-v2 (ms)	2.85	2.86	2.86	2.86
Normalized	100%	99.65%	99.65%	99.65%
Standard Deviation		0.4%		
NCNN - Vulkan GPU-v3-v3 - mobilenet-v3 (ms)	3.81	3.84	3.82	3.81
Normalized	100%	99.22%	99.74%	100%
Standard Deviation		0.3%		
NCNN - Vulkan GPU - shufflenet-v2 (ms)	2.66	2.66	2.66	2.64
Normalized	99.25%	99.25%	99.25%	100%
Standard Deviation		0%		
NCNN - Vulkan GPU - mnasnet (ms)	3.01	3.02	3.01	3.01
Normalized	100%	99.67%	100%	100%
Standard Deviation		0.2%		
NCNN - Vulkan GPU - efficientnet-b0 (ms)	9.6	9.69	10.36	9.93
Normalized	100%	99.07%	92.66%	96.68%
Standard Deviation		5.5%		
NCNN - Vulkan GPU - blazeface (ms)	1.57	1.58	1.58	1.58
Normalized	100%	99.37%	99.37%	99.37%
Standard Deviation		0.4%		
NCNN - Vulkan GPU - googlenet (ms)	5.69	5.71	5.70	5.68
Normalized	99.82%	99.47%	99.65%	100%
Standard Deviation		0.3%		

NCNN - Vulkan GPU - vgg16 (ms)	9.97	9.9	10.15	9.72
Normalized	97.49%	98.18%	95.76%	100%
Standard Deviation			1.7%	
NCNN - Vulkan GPU - resnet18 (ms)	2.42	2.38	2.39	2.37
Normalized	97.93%	99.58%	99.16%	100%
Standard Deviation			0.8%	
NCNN - Vulkan GPU - alexnet (ms)	3.95	3.95	3.96	3.96
Normalized	100%	100%	99.75%	99.75%
Standard Deviation			0.3%	
NCNN - Vulkan GPU - resnet50 (ms)	6	6	6.02	6.01
Normalized	100%	100%	99.67%	99.83%
Standard Deviation			0.2%	
NCNN - Vulkan GPU - yolov4-tiny (ms)	11.45	11.45	11.37	11.42
Normalized	99.3%	99.3%	100%	99.56%
Standard Deviation			0.4%	
NCNN - Vulkan GPU - squeezenet_ssds (ms)	5.54	5.54	5.56	5.59
Normalized	100%	100%	99.64%	99.11%
Standard Deviation			0.5%	
NCNN - Vulkan GPU - regnety_400m (ms)	4.98	4.99	5.00	5.01
Normalized	100%	99.8%	99.6%	99.4%
Standard Deviation			0.3%	
Apache Cassandra - Reads (Op/s)	123479	108039	106972	103621
Normalized	100%	87.5%	86.63%	83.92%
Standard Deviation			15.6%	
Apache Cassandra - Writes (Op/s)	127426	137378	131031	137372
Normalized	92.76%	100%	95.38%	100%
Standard Deviation			2.5%	
Apache Cassandra - Mixed 1:1 (Op/s)	95847	109185	103053	102546
Normalized	87.78%	100%	94.38%	93.92%
Standard Deviation			3.8%	
Apache Cassandra - Mixed 1:3 (Op/s)	92247	104788	97929	101007
Normalized	88.03%	100%	93.45%	96.39%
Standard Deviation			7%	
ECP-CANDLE - P1B2 (sec)	187.563	41.063	41.807	40.991
Normalized	21.85%	99.82%	98.05%	100%
ECP-CANDLE - P3B1 (sec)	1243	1241	1243	1244
Normalized	99.89%	100%	99.83%	99.78%
ECP-CANDLE - P3B2 (sec)	760.932	759.863	763.125	747.022
Normalized	98.17%	98.31%	97.89%	100%
nginx - 1 (Req/sec)	51487	51412	51412	51364
Normalized	100%	99.85%	99.85%	99.76%
Standard Deviation			0.3%	
nginx - 20 (Req/sec)	266319	265151	263919	262979
Normalized	100%	99.56%	99.1%	98.75%
Standard Deviation			0.2%	
nginx - 100 (Req/sec)	276960	274678	276564	274092
Normalized	100%	99.18%	99.86%	98.96%
Standard Deviation			0.3%	
nginx - 200 (Req/sec)	260146	259053	259157	256384
Normalized	100%	99.58%	99.62%	98.55%
Standard Deviation			0.3%	
nginx - 500 (Req/sec)	242815	241097	242730	240392
Normalized	100%	99.29%	99.97%	99%

Standard Deviation			0.5%	
nginx - 1000 (Req/sec)	233290	232543	231805	229995
Normalized	100%	99.68%	99.36%	98.59%
Standard Deviation			0.4%	
Apache HTTP Server - 1 (Req/sec)	9820	9833	9869	10254
Normalized	95.77%	95.9%	96.24%	100%
Standard Deviation			2.3%	
Apache HTTP Server - 20 (Req/sec)	66526	67436	67073	66776
Normalized	98.65%	100%	99.46%	99.02%
Standard Deviation			0.2%	
Apache HTTP Server - 100 (Req/sec)	65161	64994	64743	64953
Normalized	100%	99.74%	99.36%	99.68%
Standard Deviation			0.3%	
Apache HTTP Server - 200 (Req/sec)	63186	62187	62444	62017
Normalized	100%	98.42%	98.83%	98.15%
Standard Deviation			0.5%	
Apache HTTP Server - 500 (Req/sec)	58422	58016	58124	58149
Normalized	100%	99.31%	99.49%	99.53%
Standard Deviation			0.3%	
Apache HTTP Server - 1000	55930	55862	55058	55570
Normalized	100%	99.88%	98.44%	99.36%
Standard Deviation			0.3%	

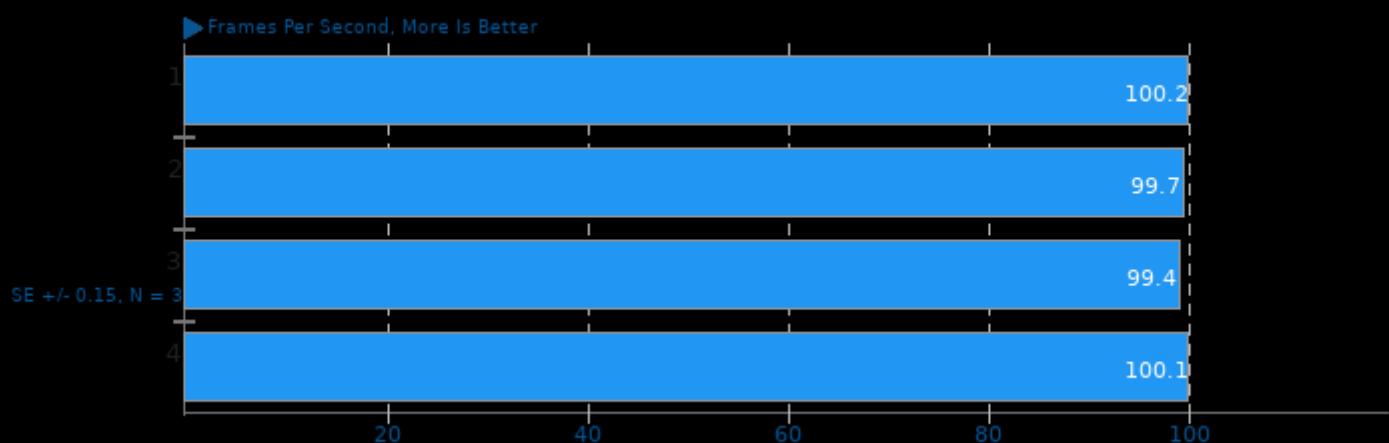
GravityMark 1.2

Resolution: 1920 x 1080 - Renderer: Vulkan



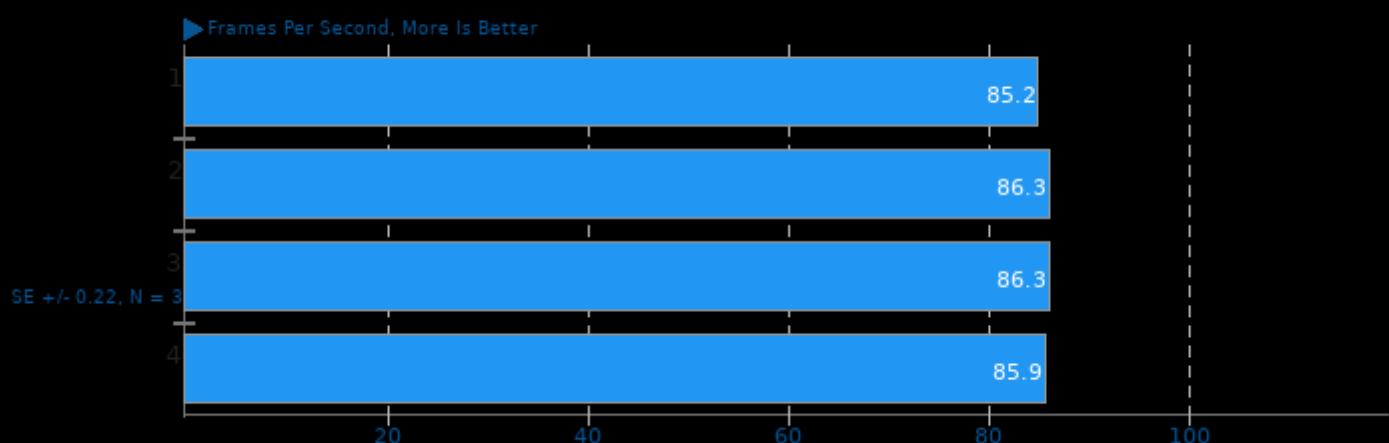
GravityMark 1.2

Resolution: 1920 x 1200 - Renderer: Vulkan



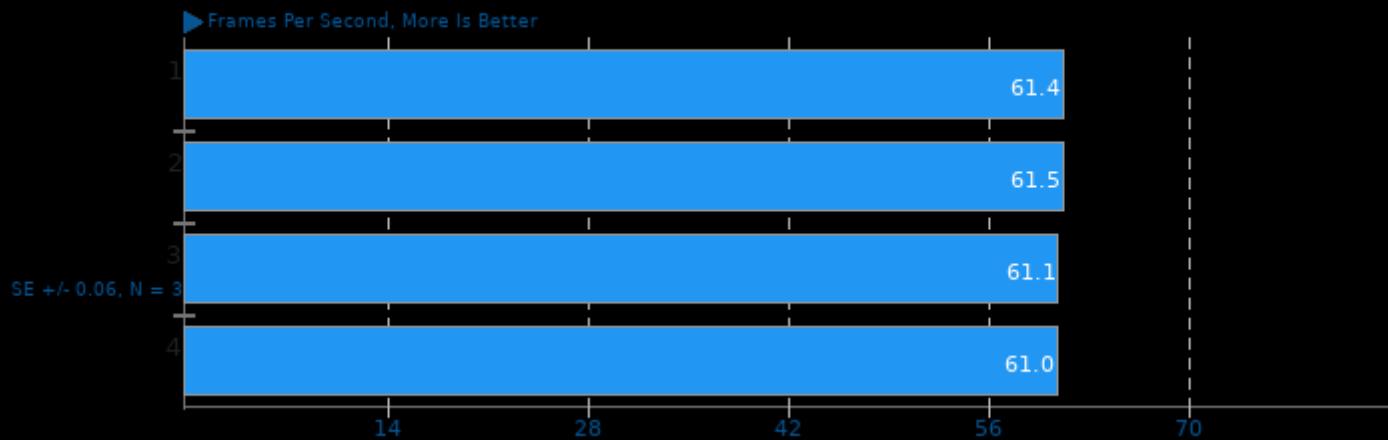
GravityMark 1.2

Resolution: 2560 x 1440 - Renderer: Vulkan



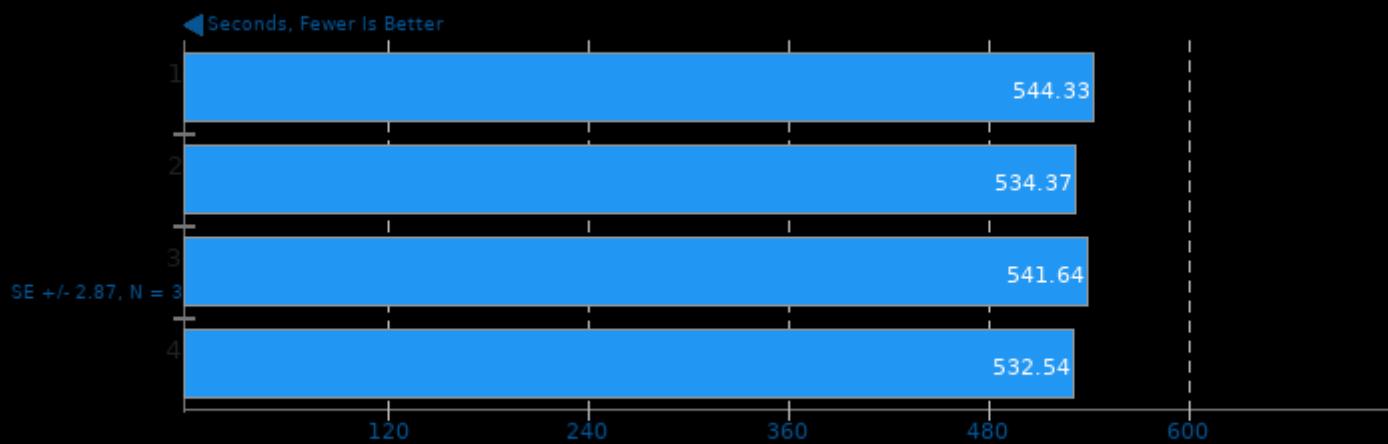
GravityMark 1.2

Resolution: 3840 x 2160 - Renderer: Vulkan



Quantum ESPRESSO 6.8

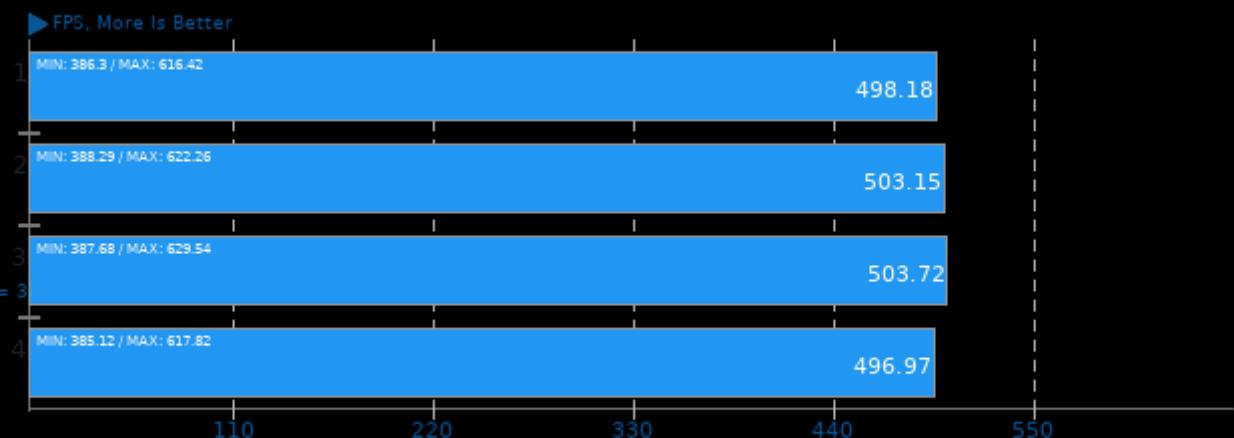
Input: AUSURF112



1. (F9X) gfortran options: -IdevXlib -lopenblas -IFoX_dom -IFoX_sax -IFoX_wxml -IFoX_common -IFoX_utils -IFoX_fsys -lfftw3 -pthread -lmpi_usempif08 -lmp

dav1d 0.9.1

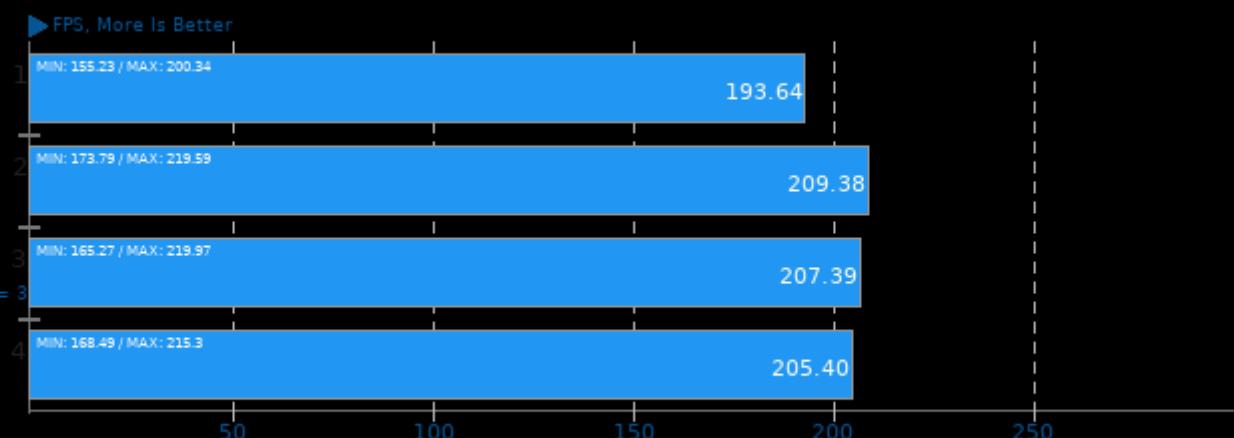
Video Input: Chimera 1080p



1. (CC) gcc options: -pthread

dav1d 0.9.1

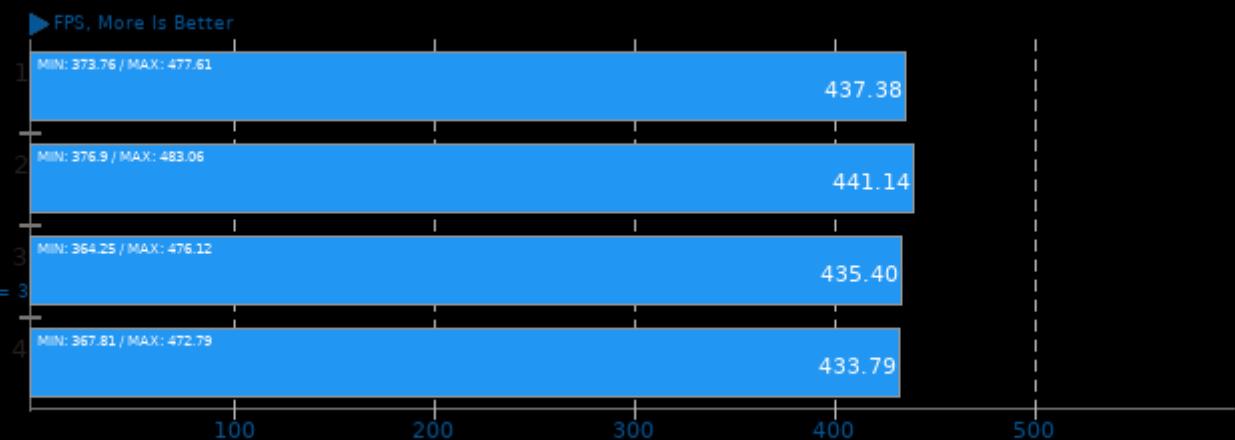
Video Input: Summer Nature 4K



1. (CC) gcc options: -pthread

dav1d 0.9.1

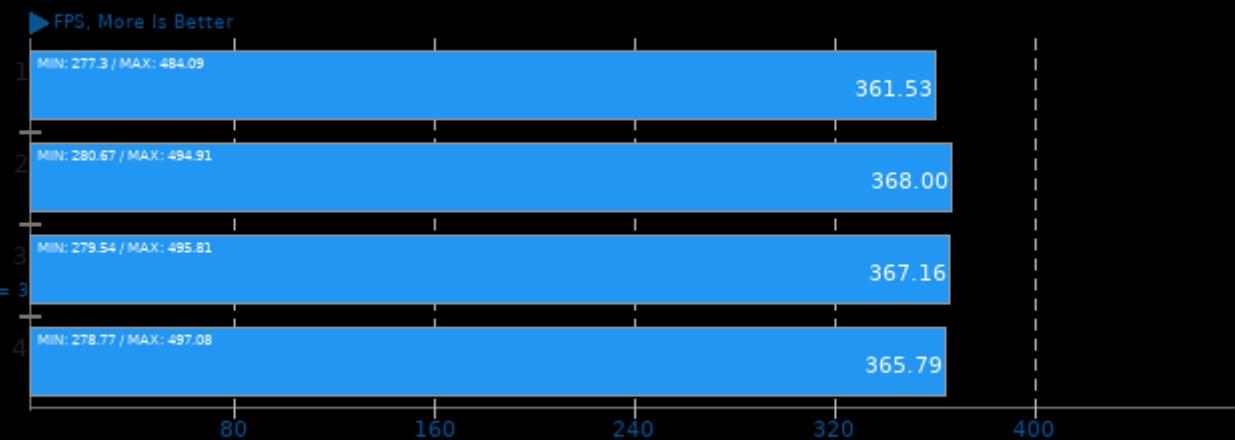
Video Input: Summer Nature 1080p



1. (CC) gcc options: -pthread

dav1d 0.9.1

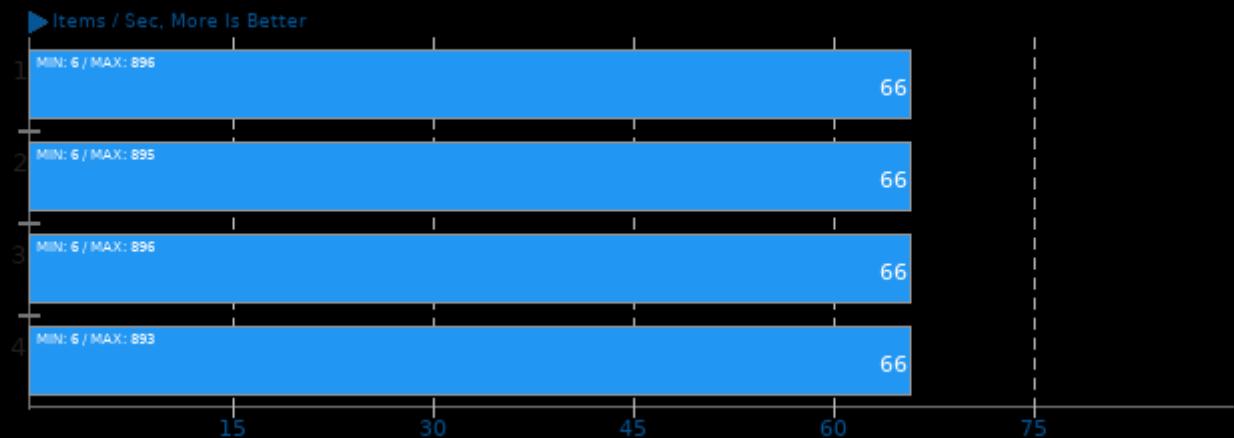
Video Input: Chimera 1080p 10-bit



1. (CC) gcc options: -pthread

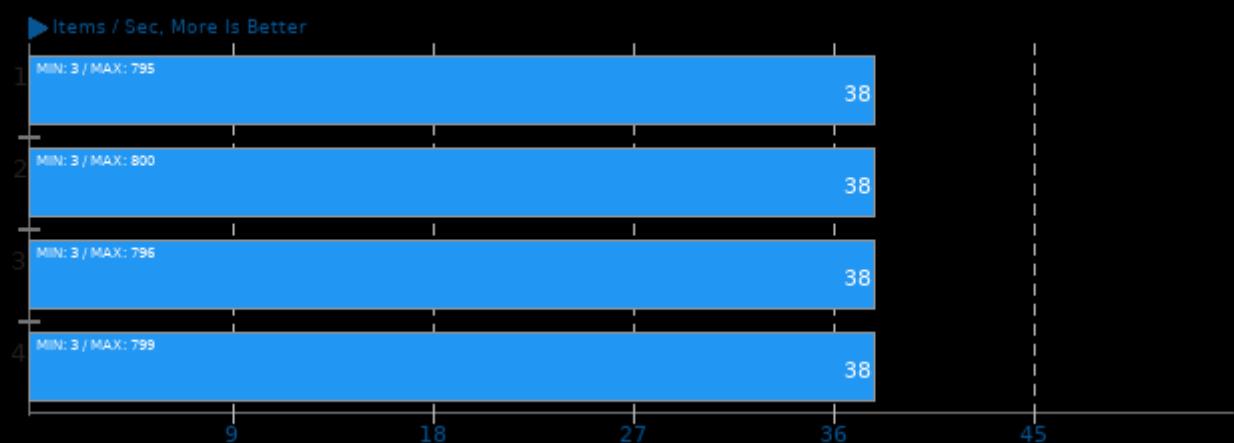
OpenVKL 1.0

Benchmark: vklBenchmark ISPC



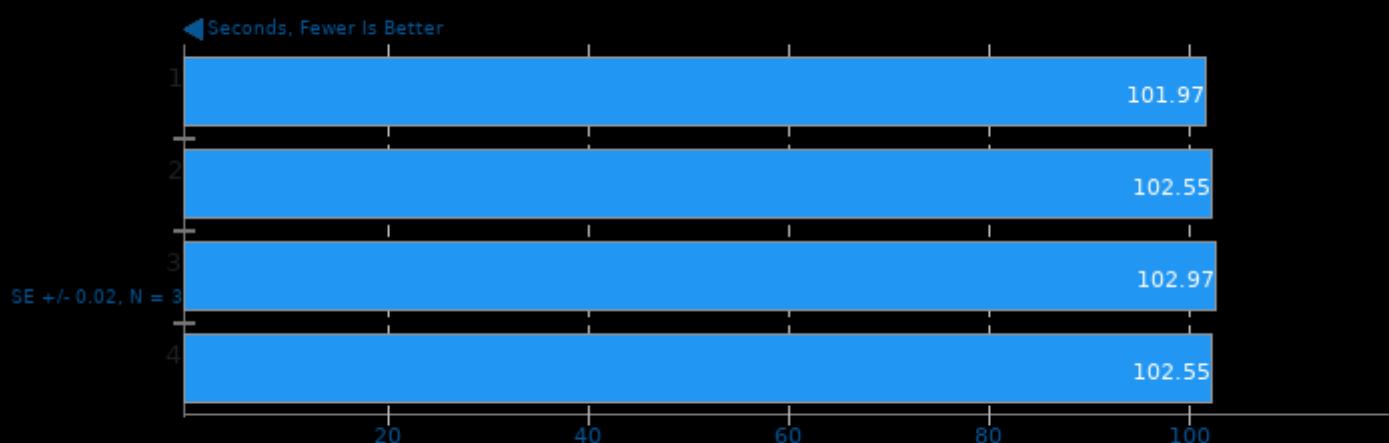
OpenVKL 1.0

Benchmark: vklBenchmark Scalar



YafaRay 3.5.1

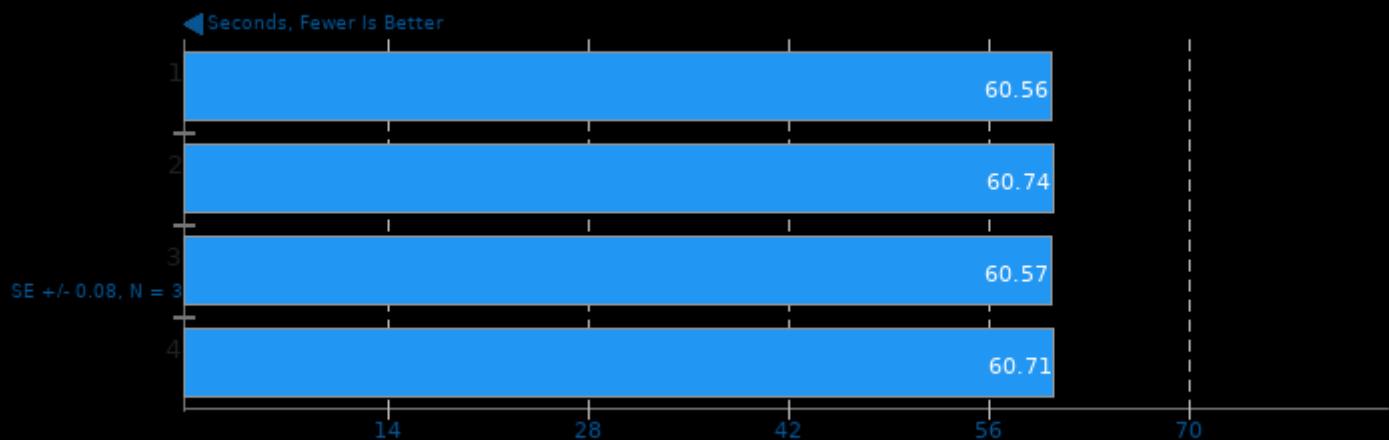
Total Time For Sample Scene



1. (CXX) g++ options: -std=c++11 -pthread -O3 -ffast-math -rdynamic -ldl -lmath -lmmif -lex -lHalf -lz -lmmThread -lxml2 -lfreetype

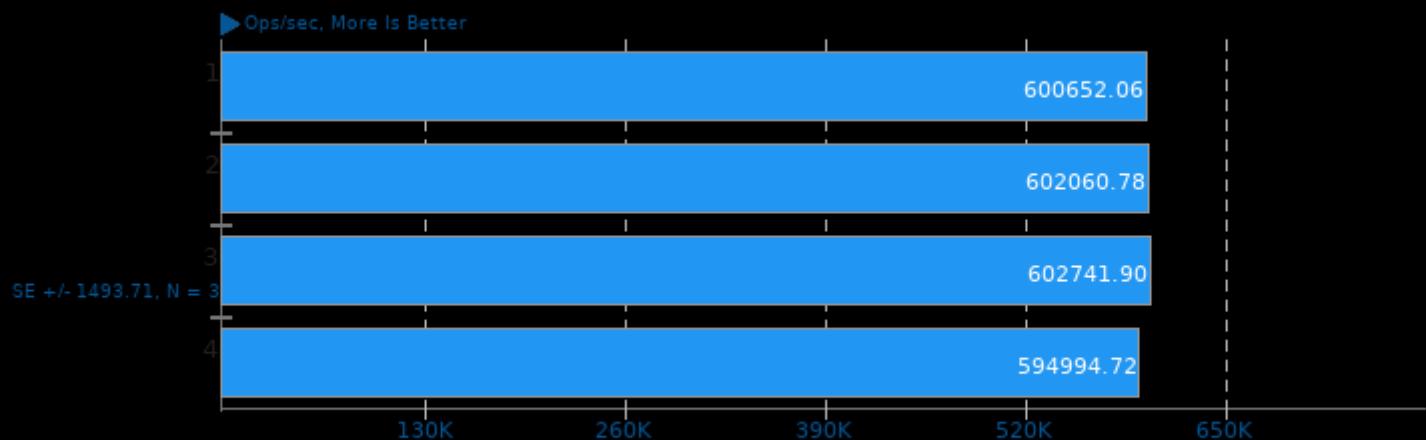
Tachyon 0.99b6

Total Time



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

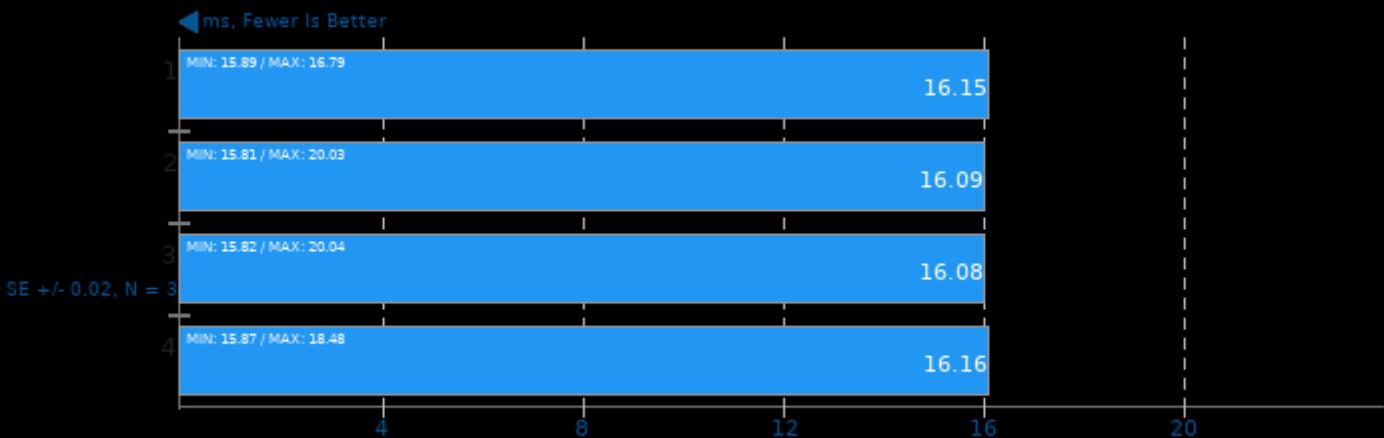
KeyDB 6.2.0



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

NCNN 20210720

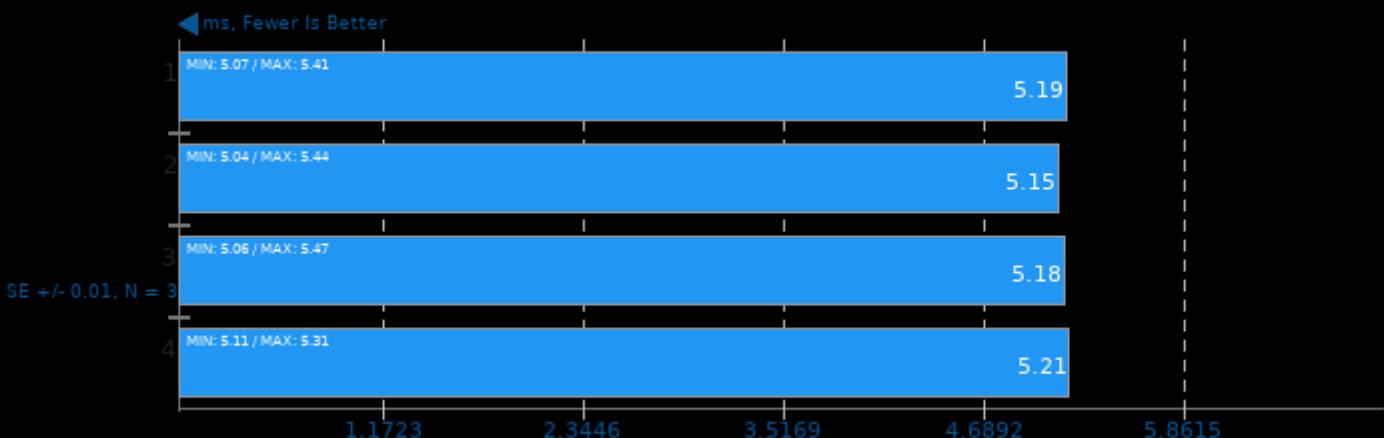
Target: CPU - Model: mobilenet



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

NCNN 20210720

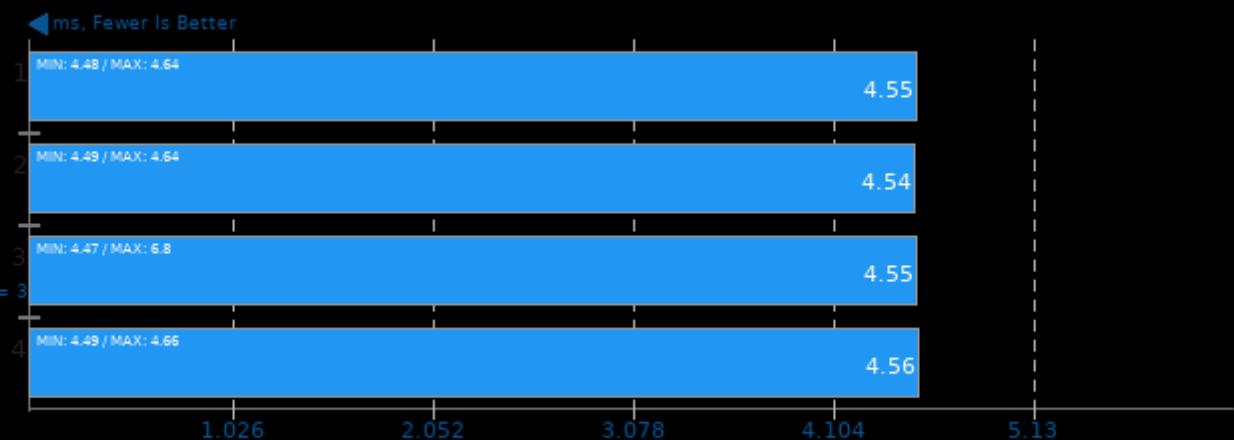
Target: CPU-v2-v2 - Model: mobilenet-v2



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

NCNN 20210720

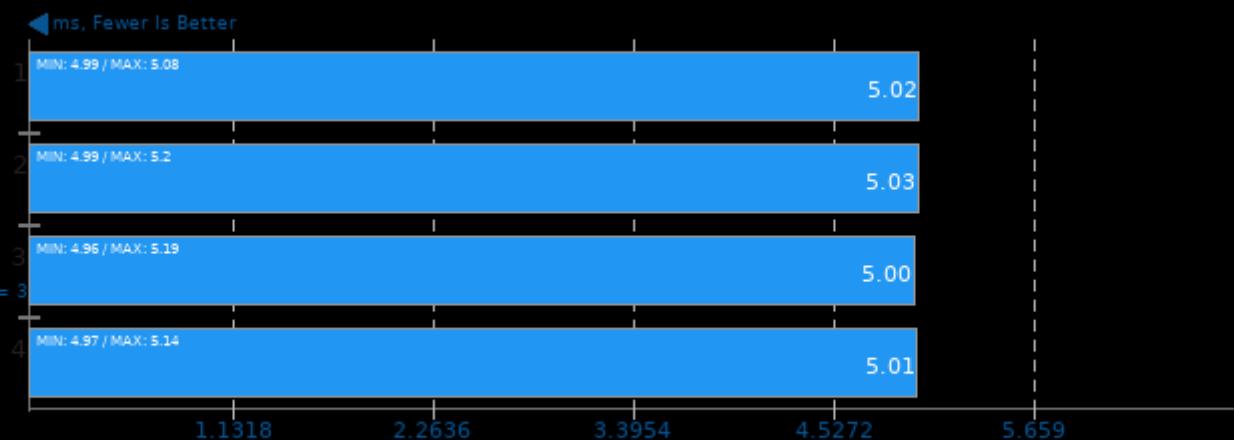
Target: CPU-v3-v3 - Model: mobilenet-v3



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

NCNN 20210720

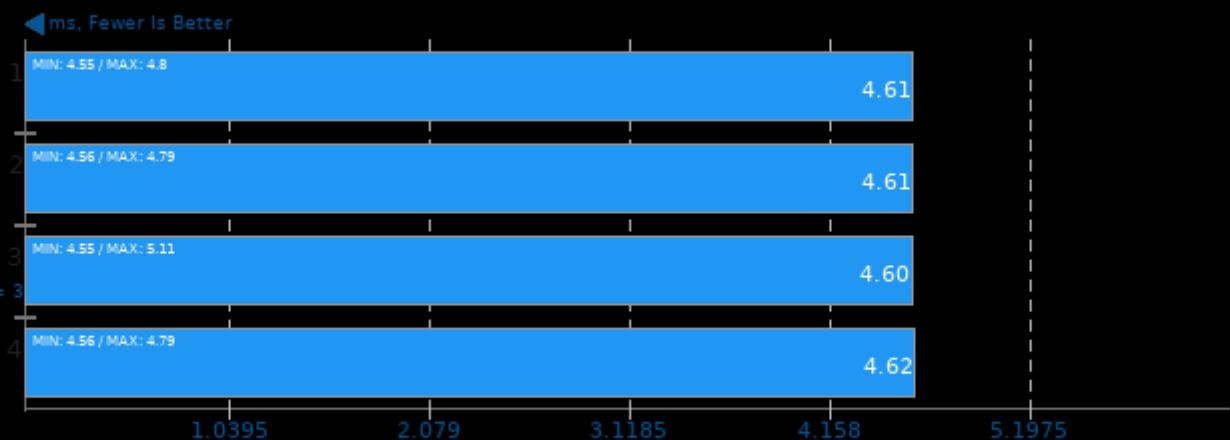
Target: CPU - Model: shufflenet-v2



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

NCNN 20210720

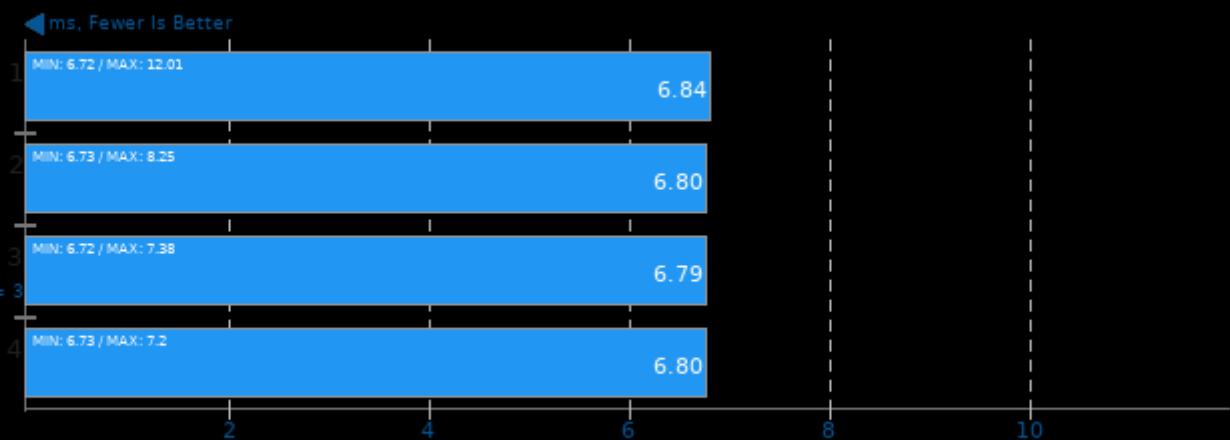
Target: CPU - Model: mnasnet



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

NCNN 20210720

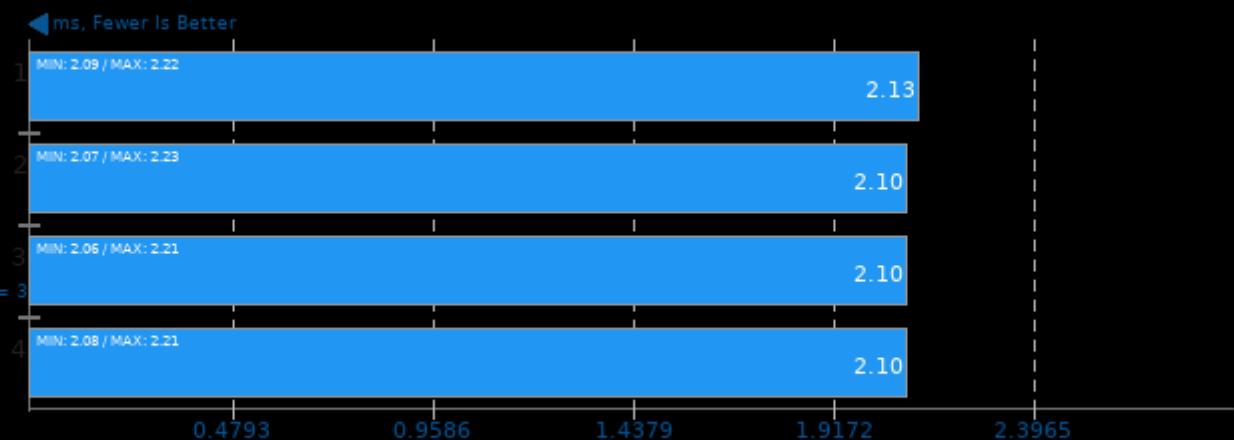
Target: CPU - Model: efficientnet-b0



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

NCNN 20210720

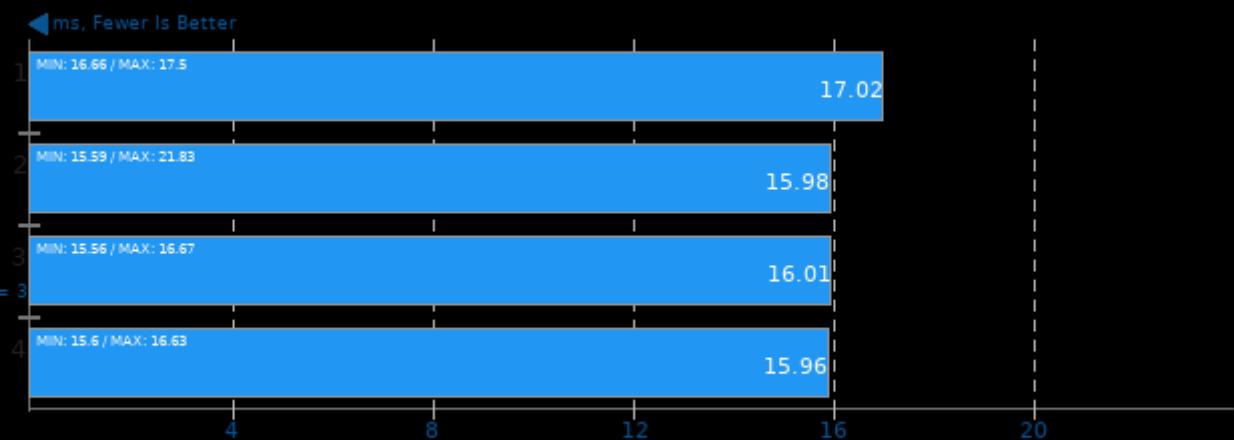
Target: CPU - Model: blazeface



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

NCNN 20210720

Target: CPU - Model: googlenet

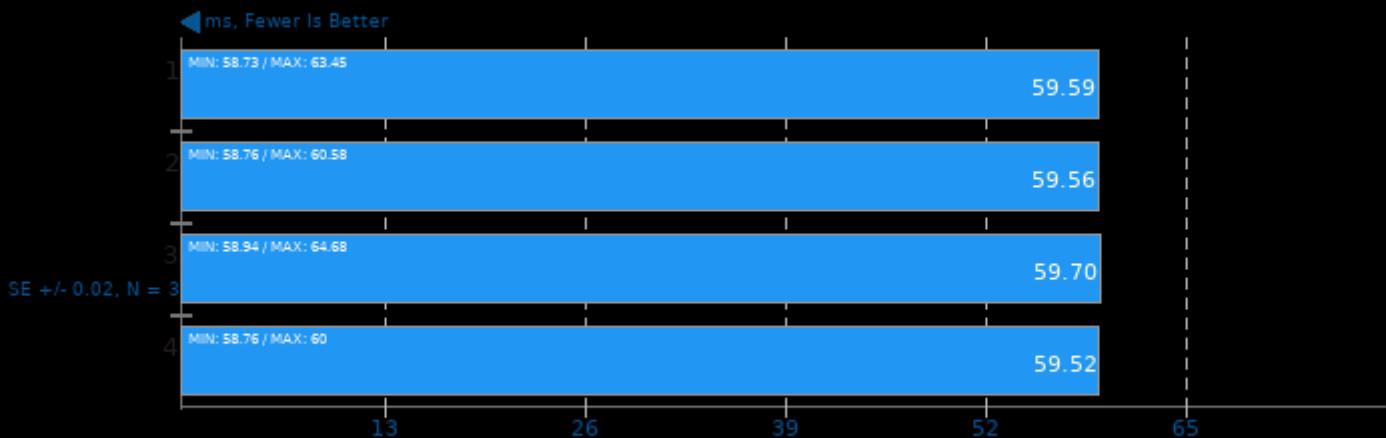


1. (CXX) g++ options: -O3 -rdynamic -lgomp -lpthread -pthread

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NCNN 20210720

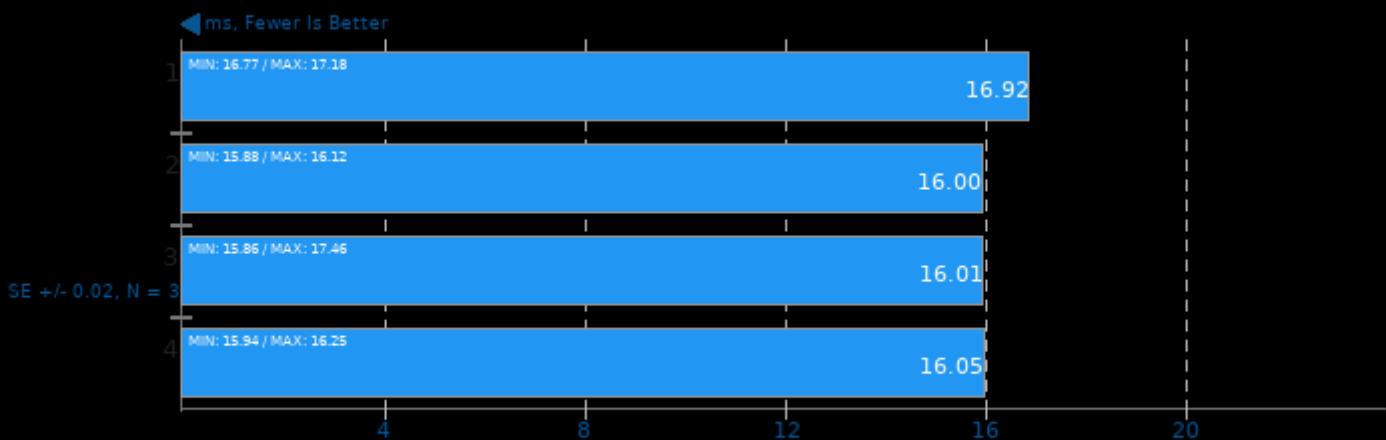
Target: CPU - Model: vgg16



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

NCNN 20210720

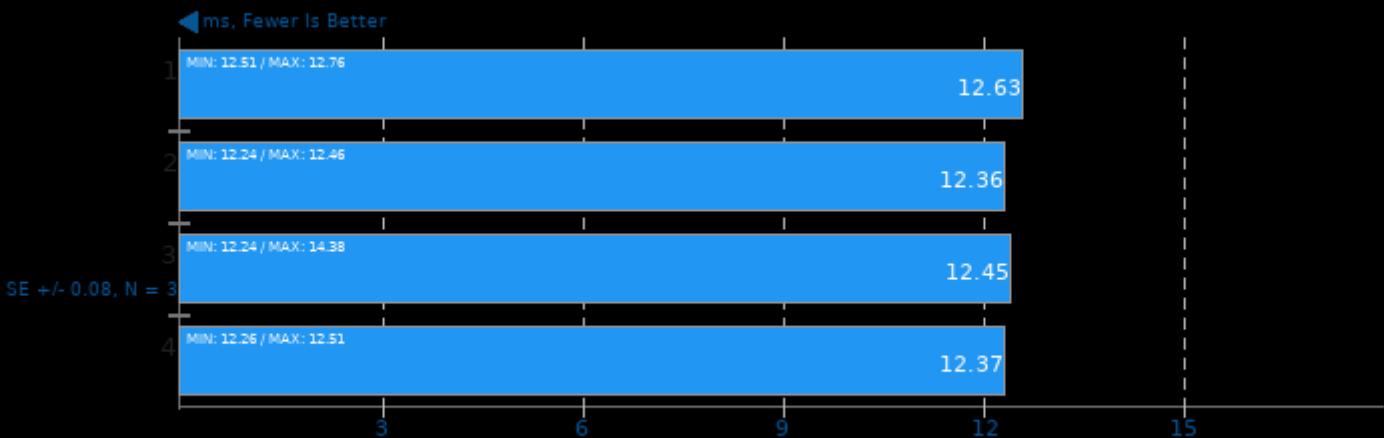
Target: CPU - Model: resnet18



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

NCNN 20210720

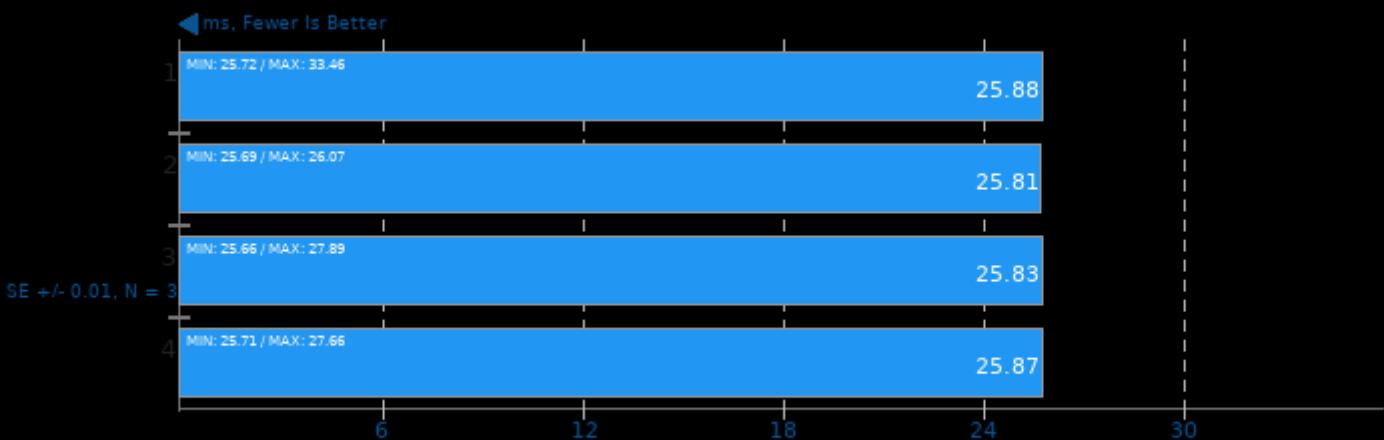
Target: CPU - Model: alexnet



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

NCNN 20210720

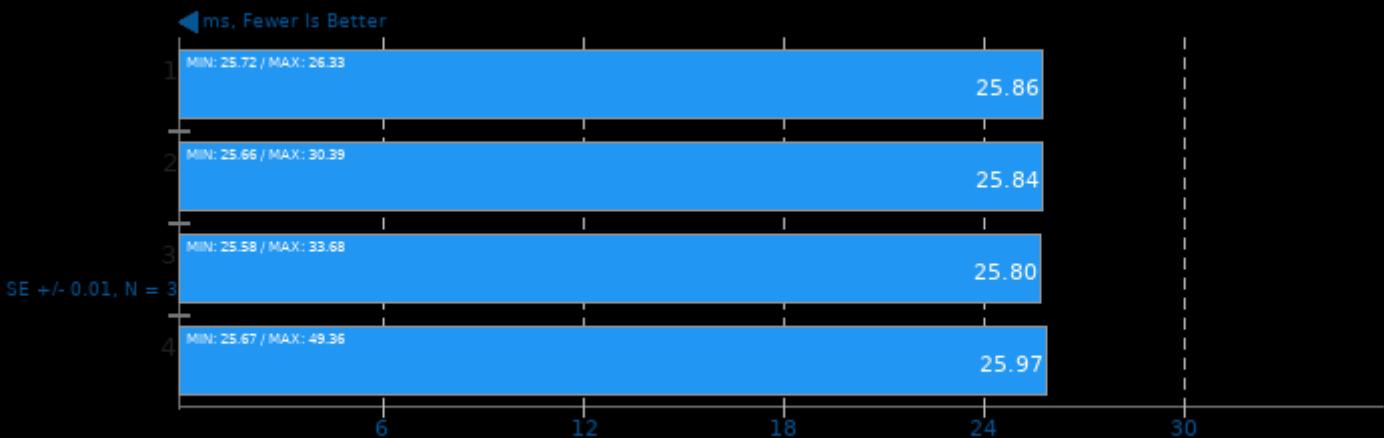
Target: CPU - Model: resnet50



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

NCNN 20210720

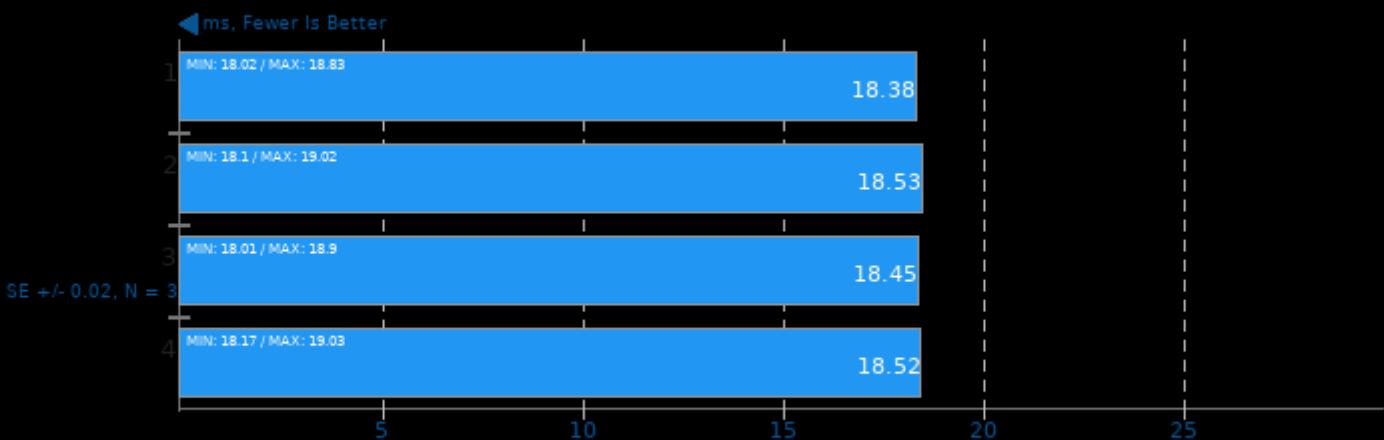
Target: CPU - Model: yolov4-tiny



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

NCNN 20210720

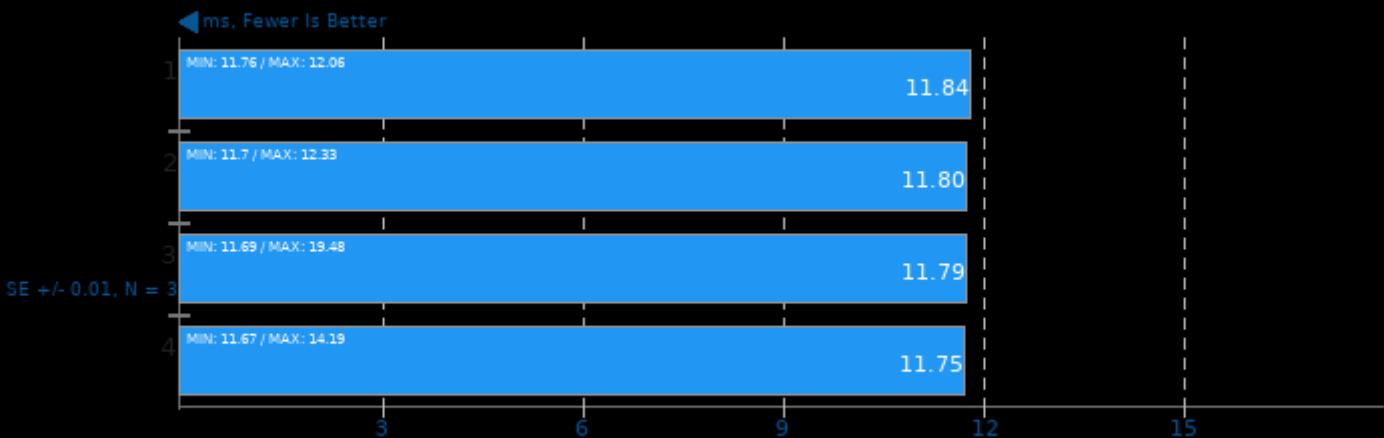
Target: CPU - Model: squeezeenet_ssd



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

NCNN 20210720

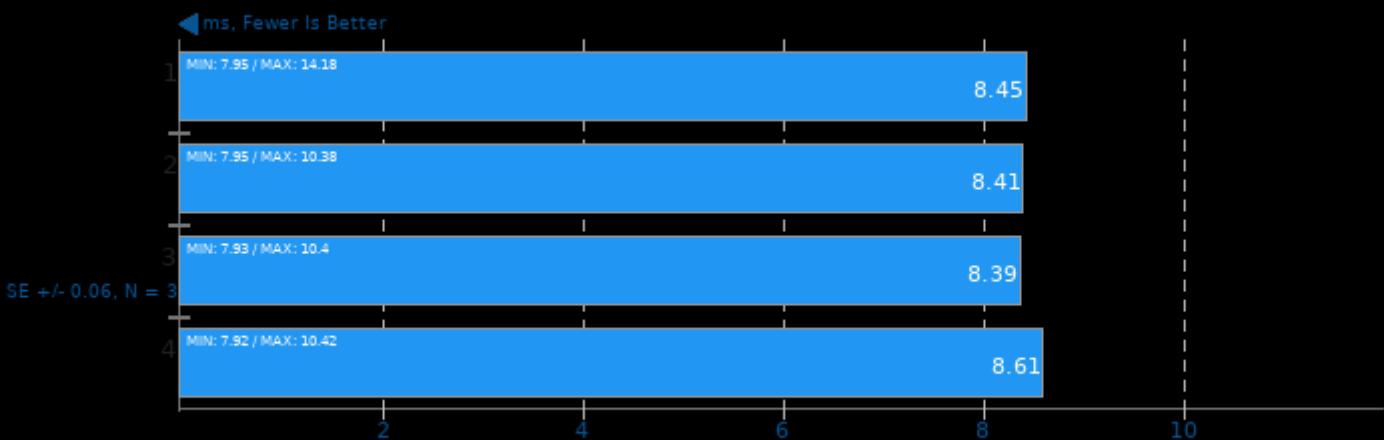
Target: CPU - Model: regnety_400m



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

NCNN 20210720

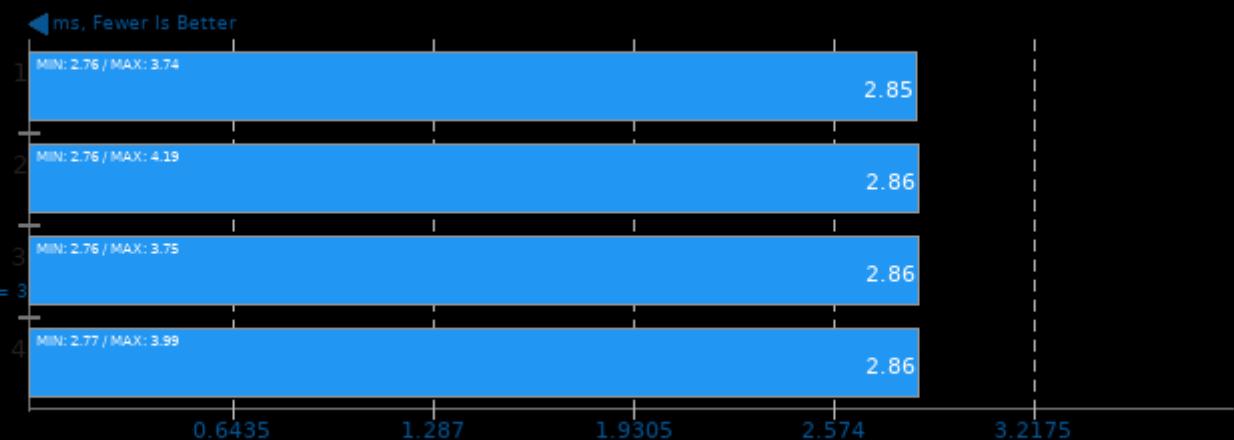
Target: Vulkan GPU - Model: mobilenet



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

NCNN 20210720

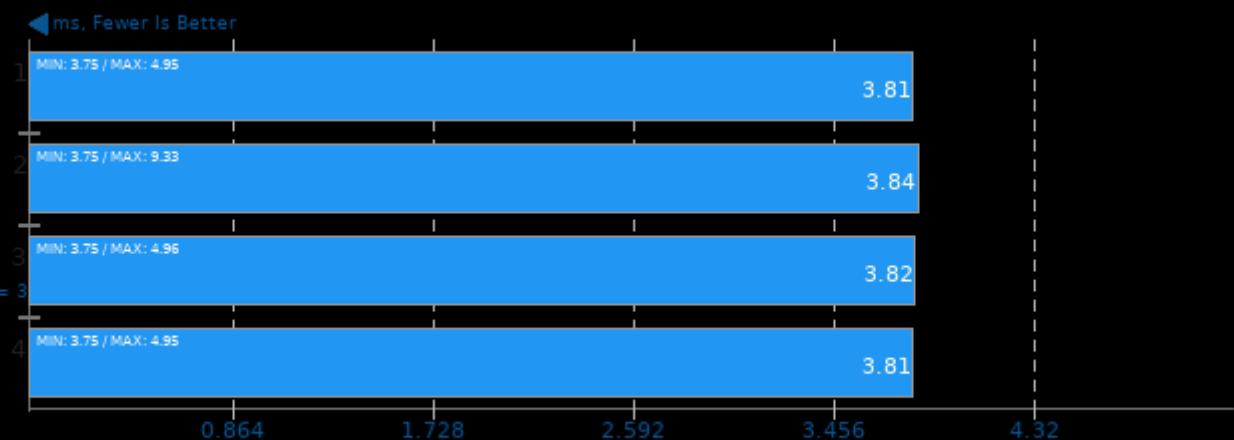
Target: Vulkan GPU-v2-v2 - Model: mobilenet-v2



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

NCNN 20210720

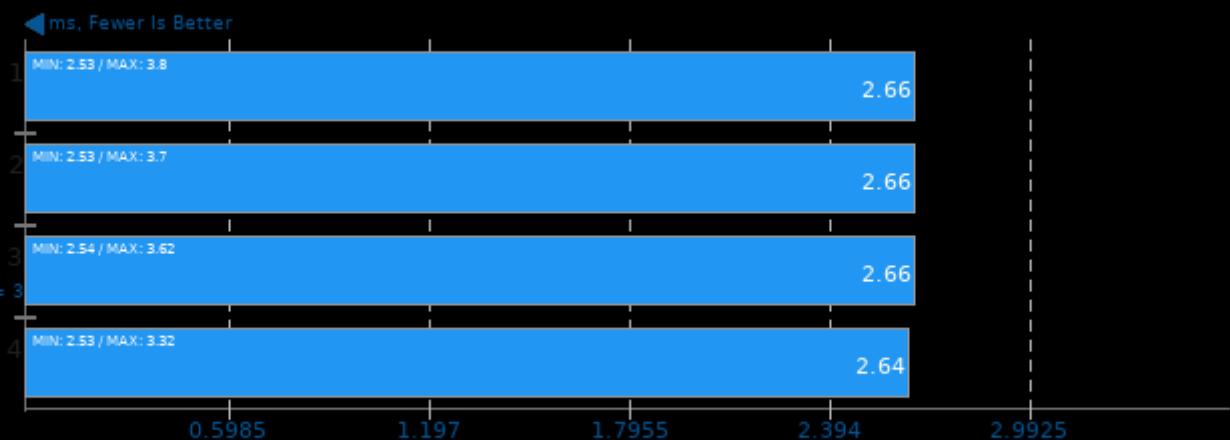
Target: Vulkan GPU-v3-v3 - Model: mobilenet-v3



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

NCNN 20210720

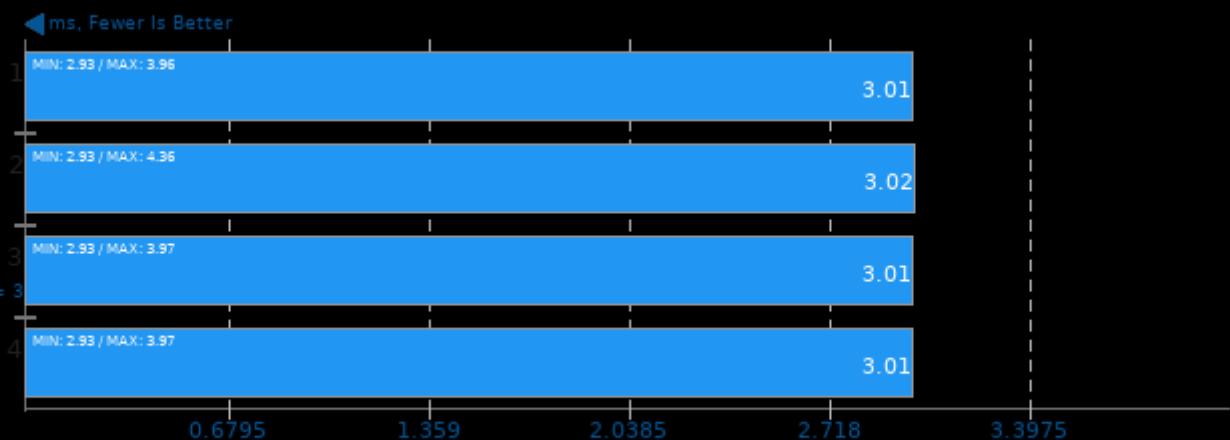
Target: Vulkan GPU - Model: shufflenet-v2



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

NCNN 20210720

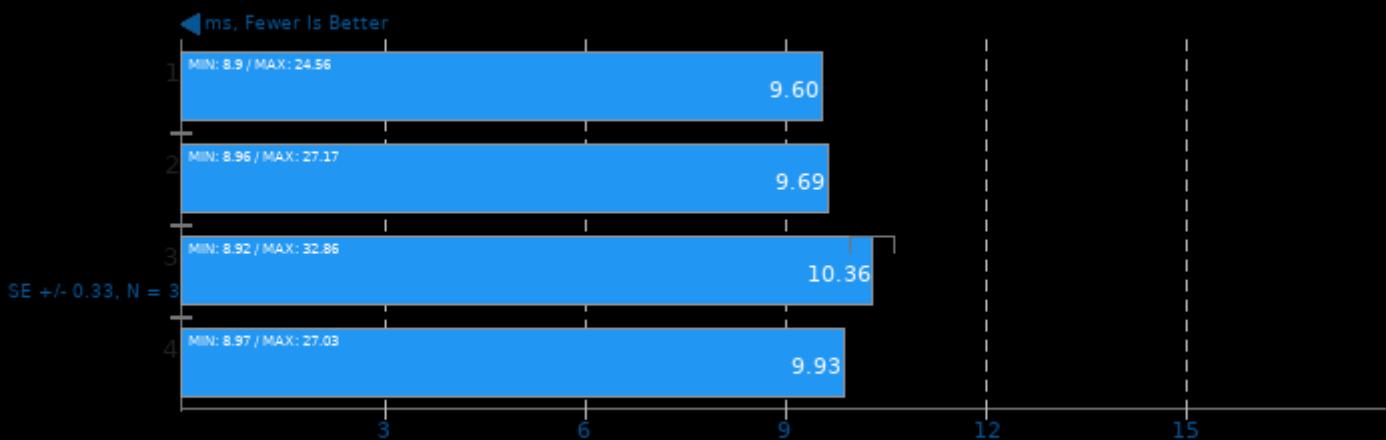
Target: Vulkan GPU - Model: mnasnet



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

NCNN 20210720

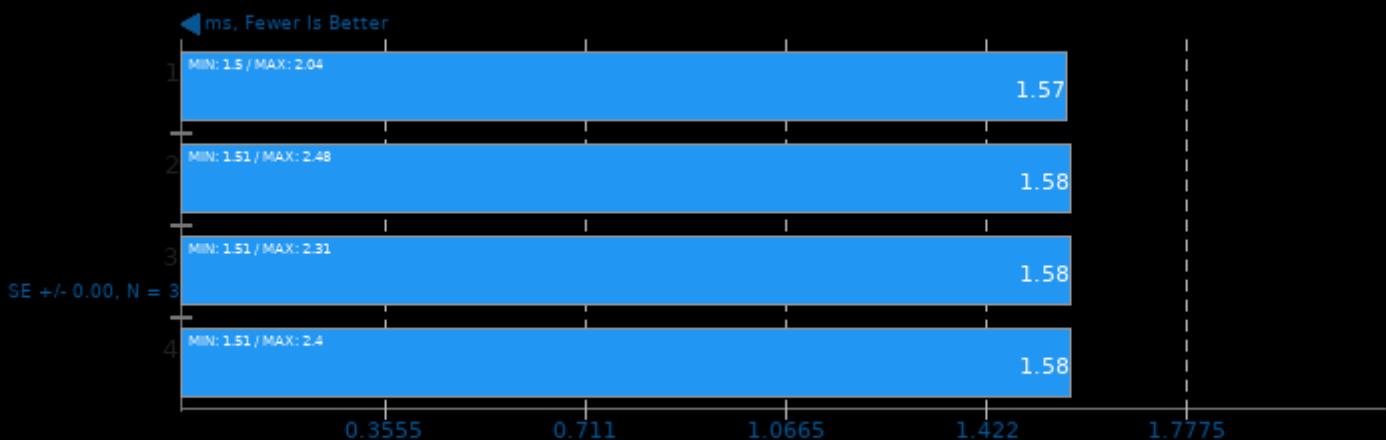
Target: Vulkan GPU - Model: efficientnet-b0



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

NCNN 20210720

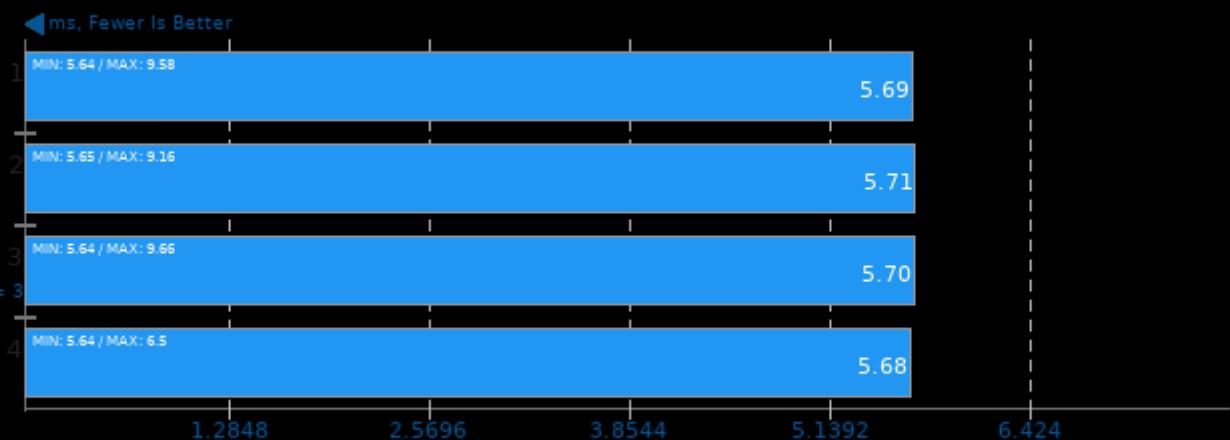
Target: Vulkan GPU - Model: blazeface



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

NCNN 20210720

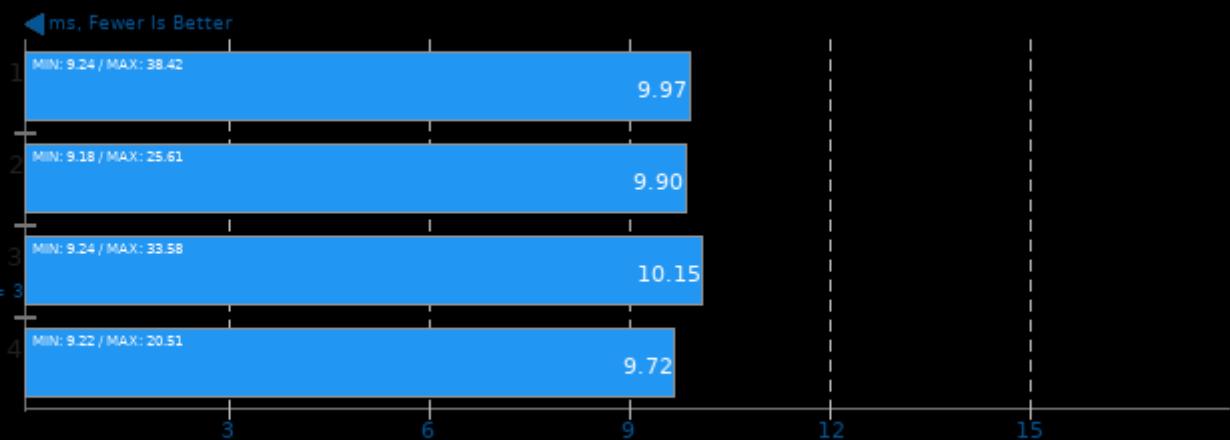
Target: Vulkan GPU - Model: googlenet



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

NCNN 20210720

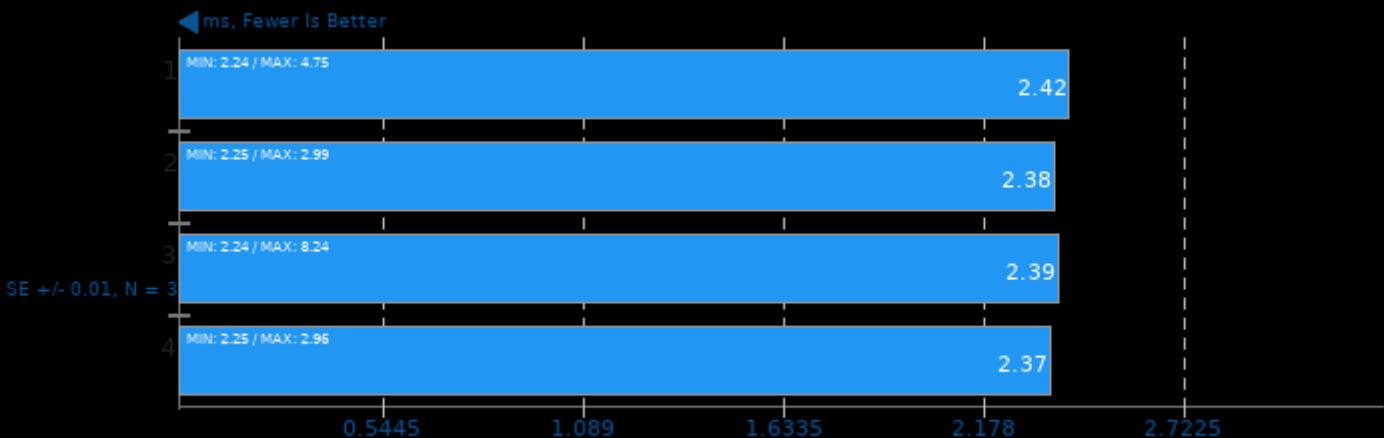
Target: Vulkan GPU - Model: vgg16



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

NCNN 20210720

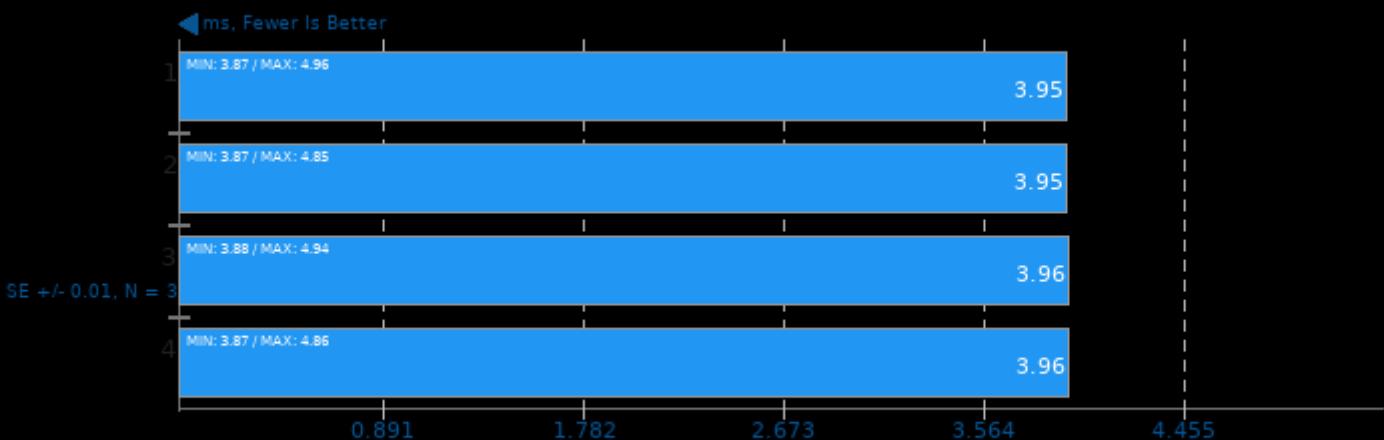
Target: Vulkan GPU - Model: resnet18



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

NCNN 20210720

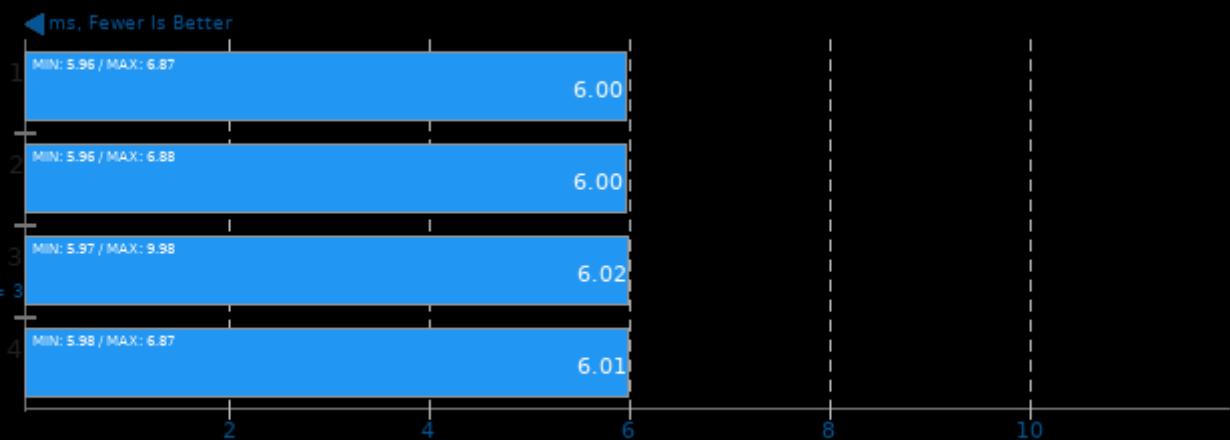
Target: Vulkan GPU - Model: alexnet



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

NCNN 20210720

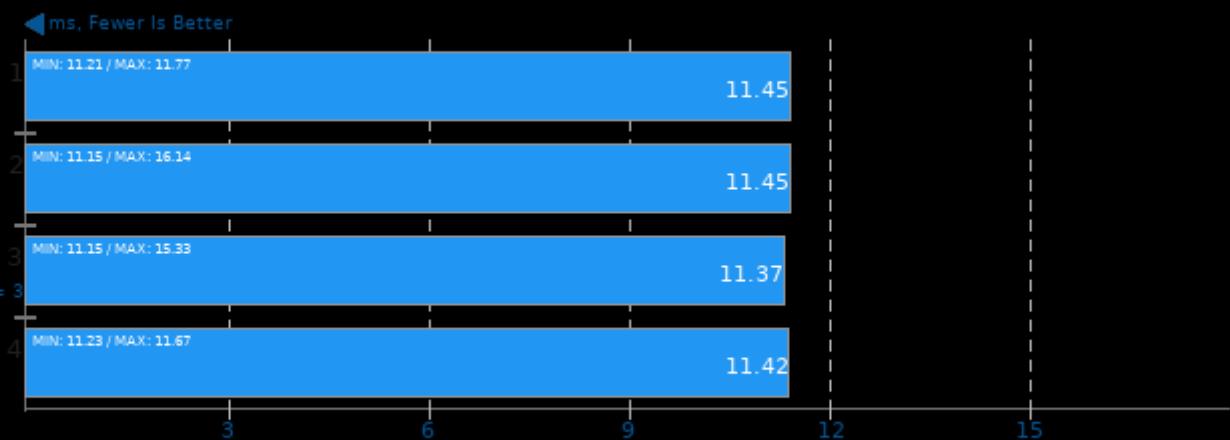
Target: Vulkan GPU - Model: resnet50



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

NCNN 20210720

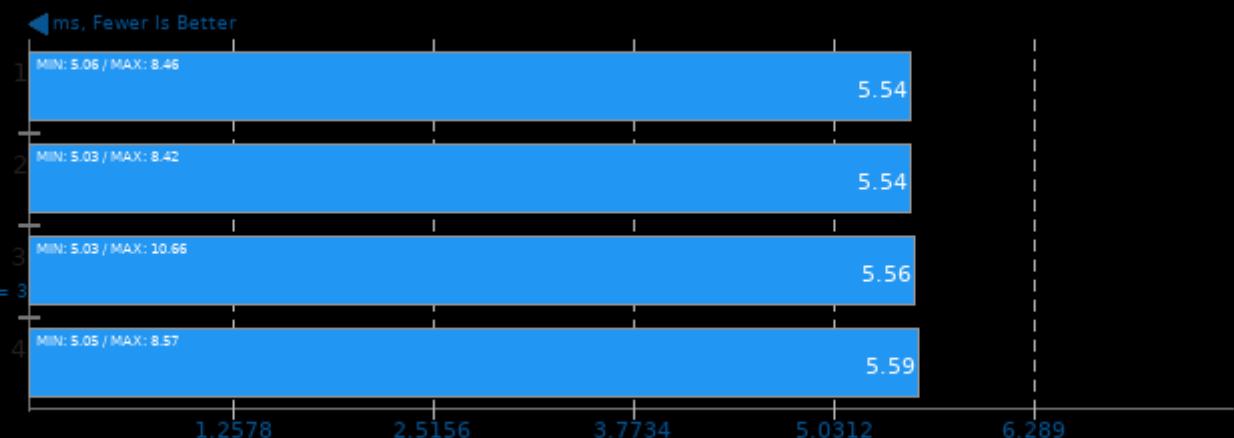
Target: Vulkan GPU - Model: yolov4-tiny



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

NCNN 20210720

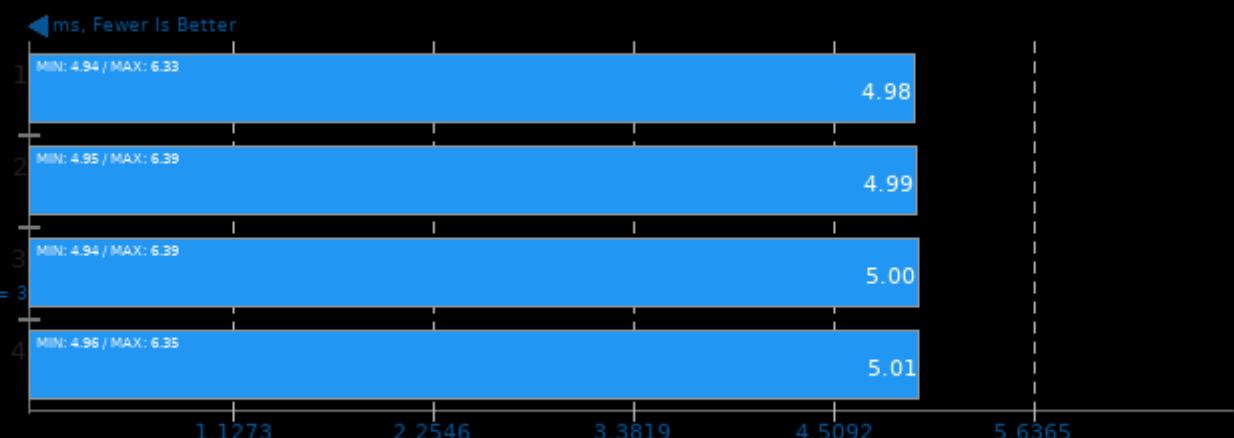
Target: Vulkan GPU - Model: squeezenet_ssd



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

NCNN 20210720

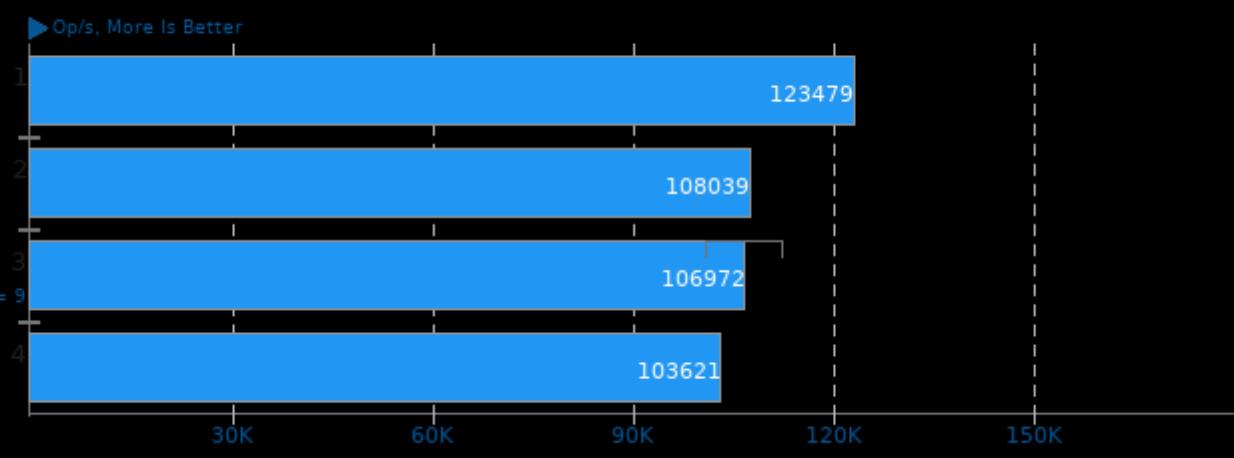
Target: Vulkan GPU - Model: regnety_400m



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

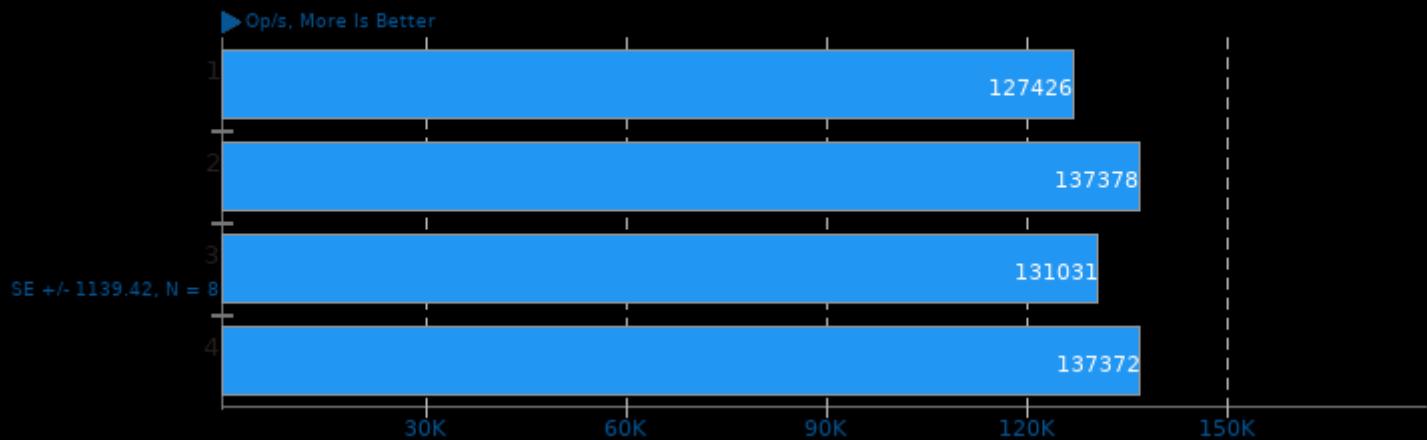
Apache Cassandra 4.0

Test: Reads



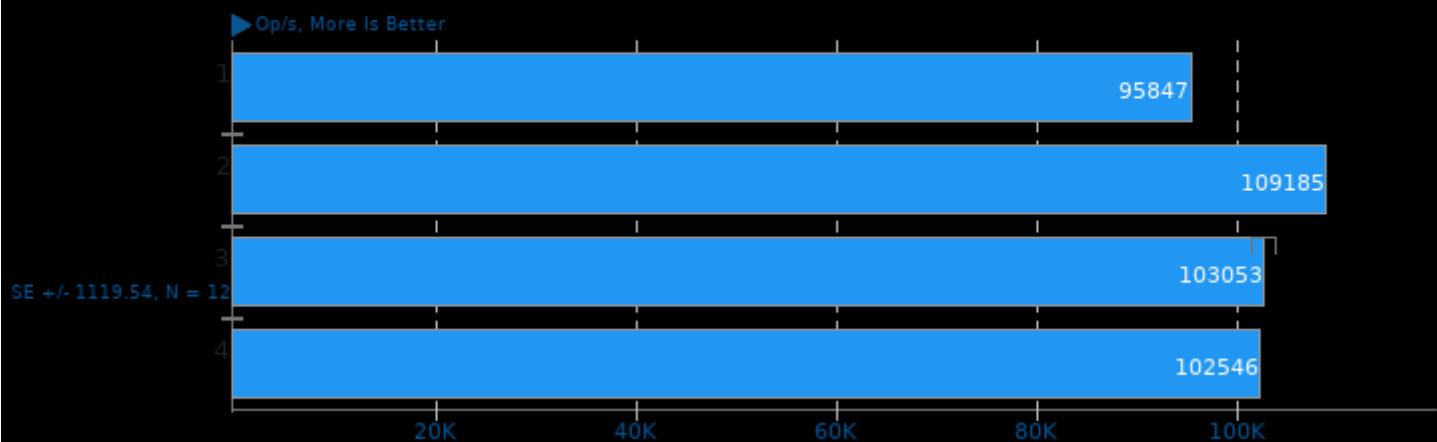
Apache Cassandra 4.0

Test: Writes



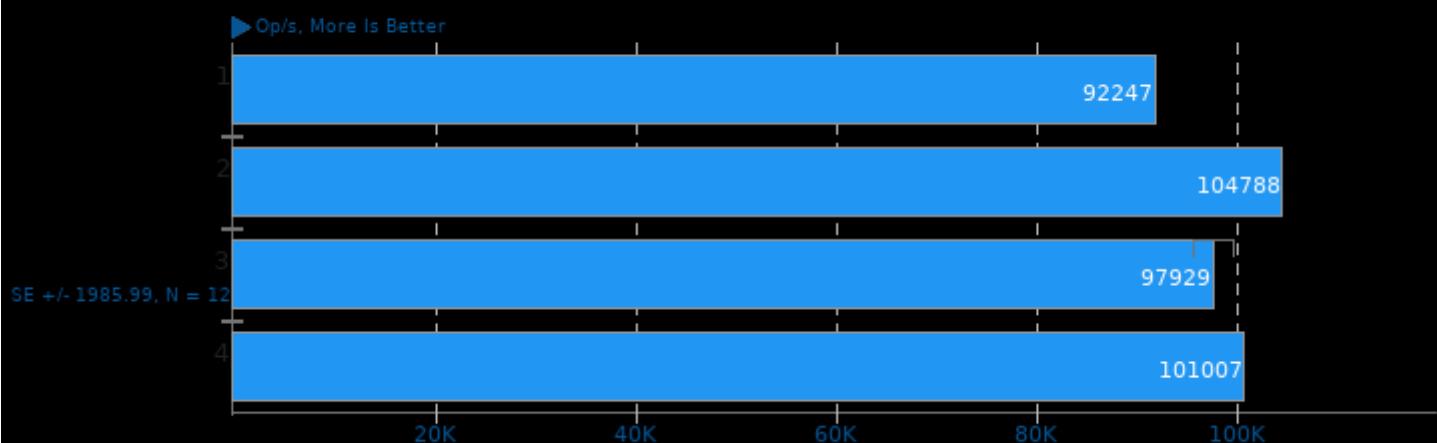
Apache Cassandra 4.0

Test: Mixed 1:1



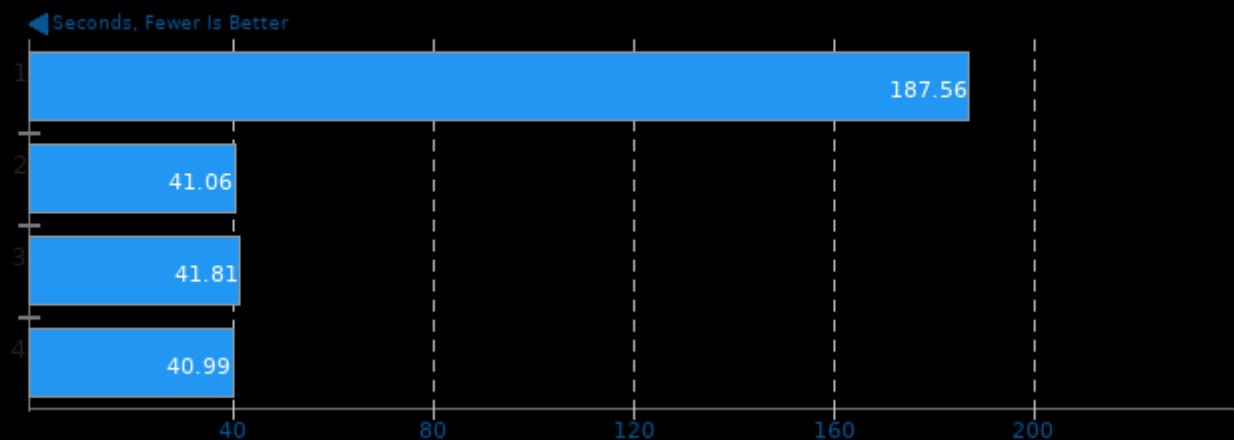
Apache Cassandra 4.0

Test: Mixed 1:3



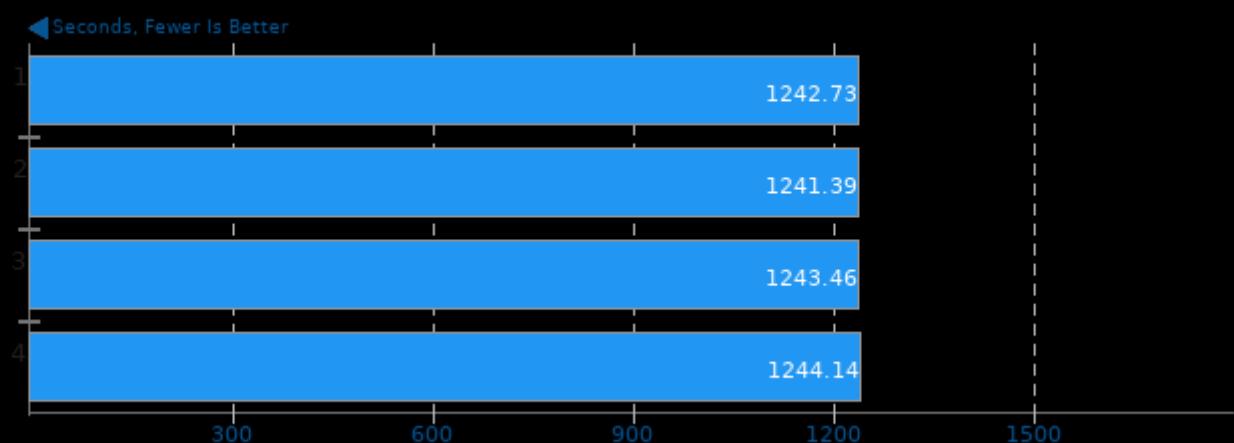
ECP-CANDLE 0.4

Benchmark: P1B2



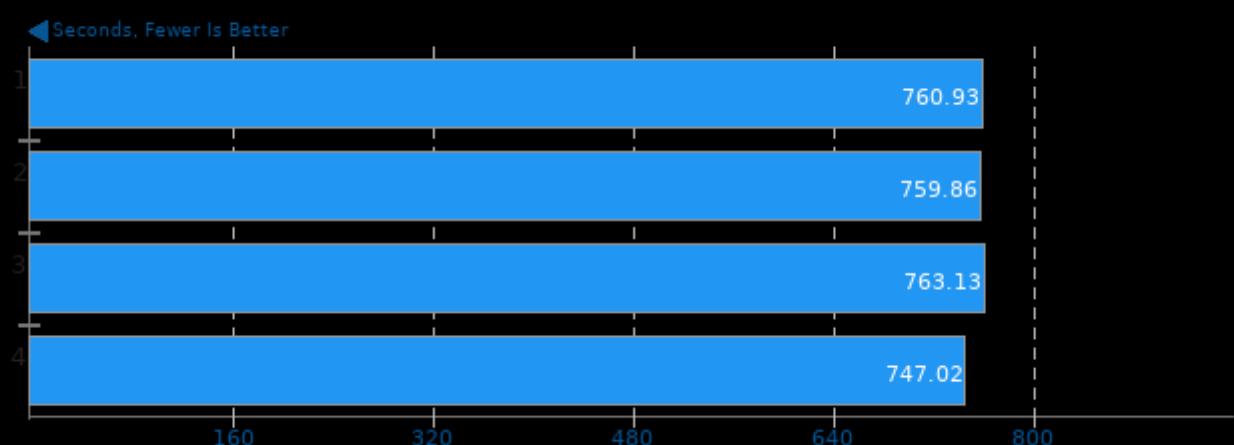
ECP-CANDLE 0.4

Benchmark: P3B1



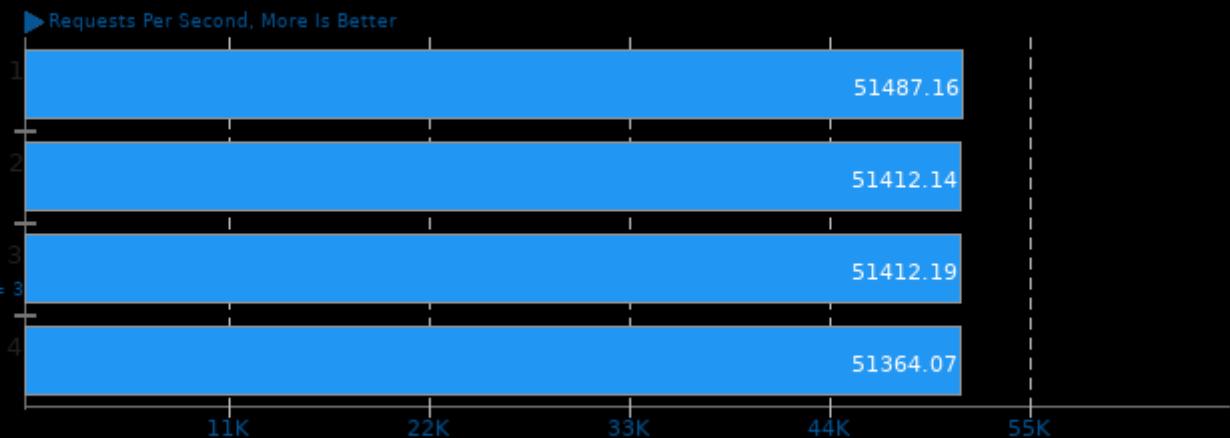
ECP-CANDLE 0.4

Benchmark: P3B2



nginx 1.21.1

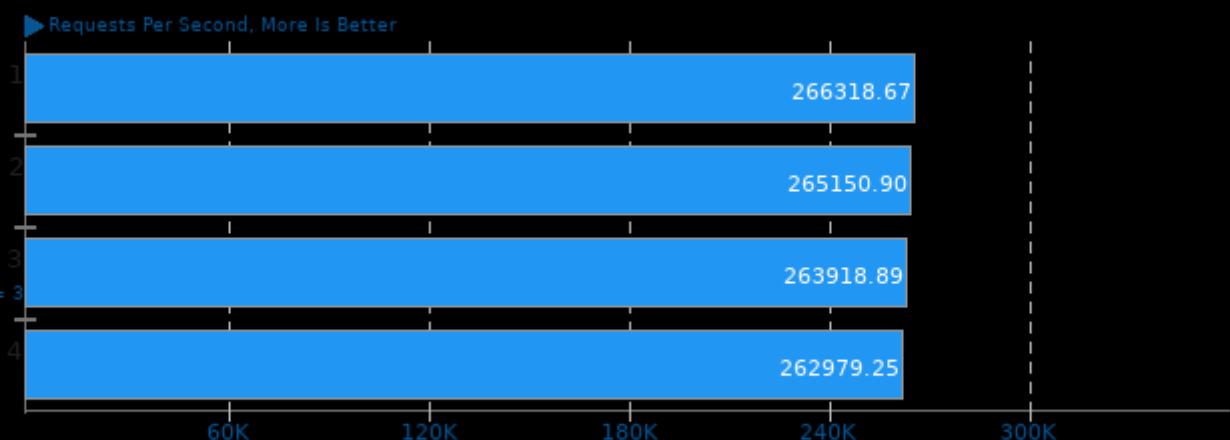
Concurrent Requests: 1



1. (CC) gcc options: -fno-omit-frame-pointer -fno-strict-aliasing -O3 -march=native

nginx 1.21.1

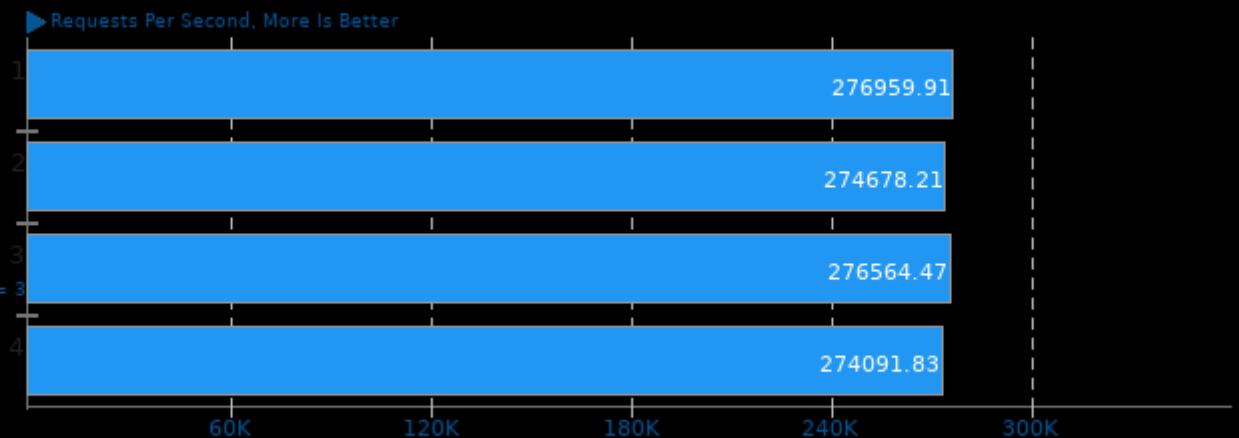
Concurrent Requests: 20



1. (CC) gcc options: -fno-omit-frame-pointer -fno-strict-aliasing -O3 -march=native

nginx 1.21.1

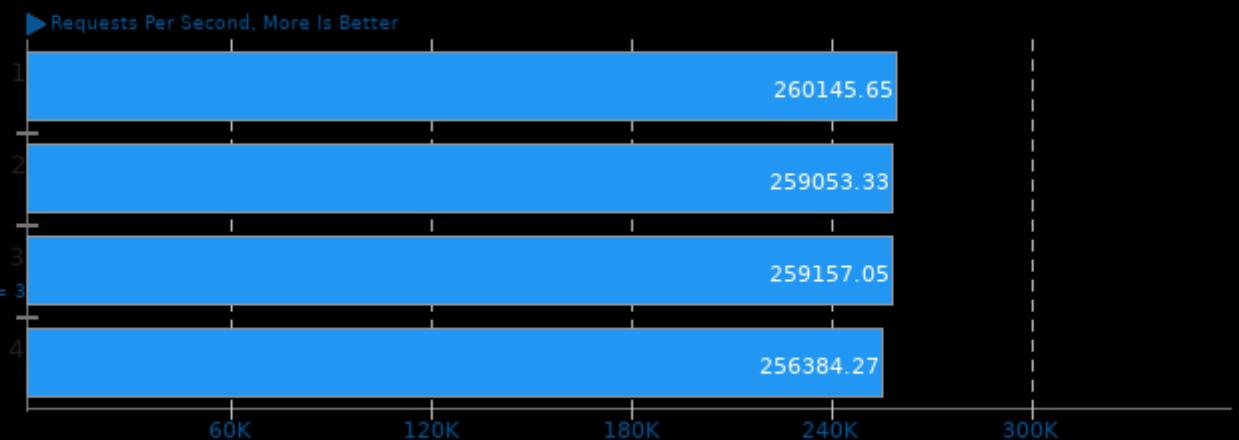
Concurrent Requests: 100



1. (CC) gcc options: -fPIC -O3 -march=native

nginx 1.21.1

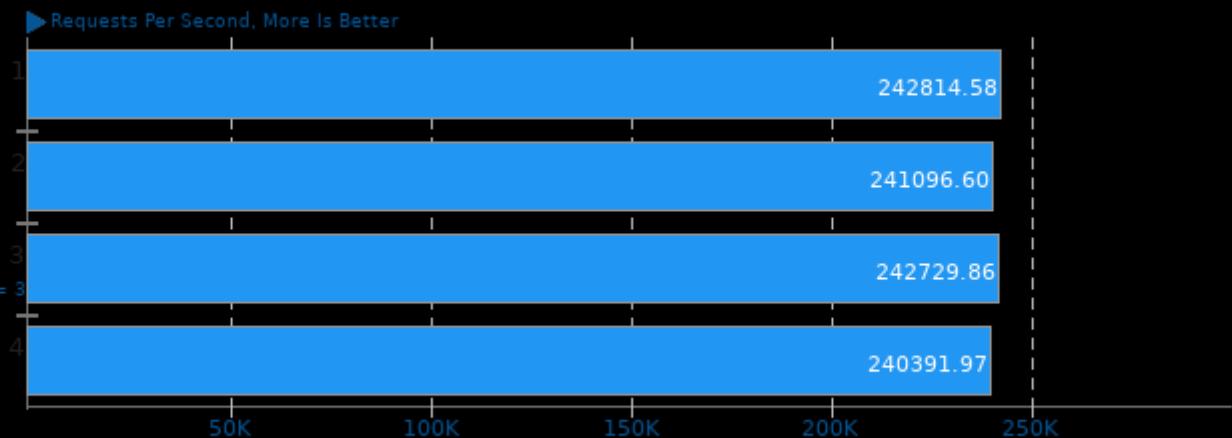
Concurrent Requests: 200



1. (CC) gcc options: -fPIC -O3 -march=native

nginx 1.21.1

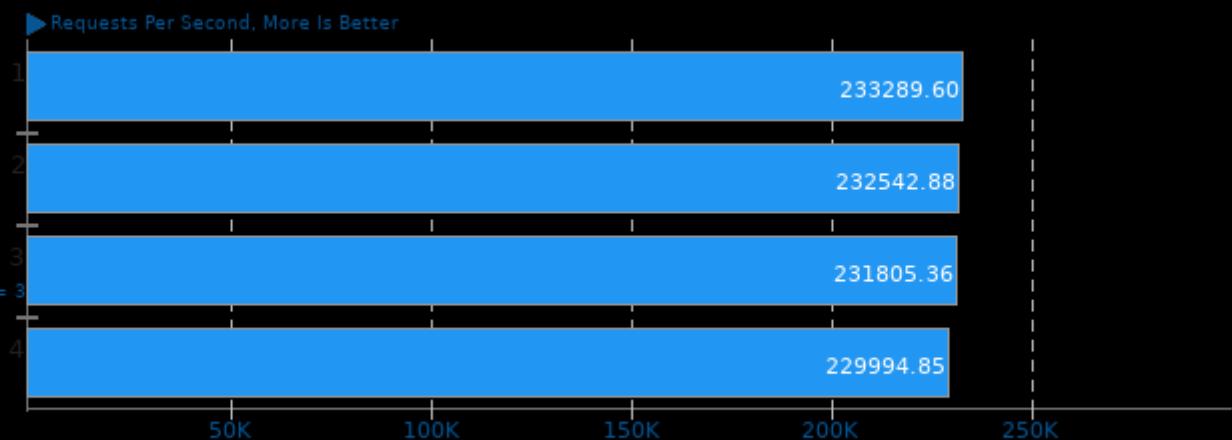
Concurrent Requests: 500



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

nginx 1.21.1

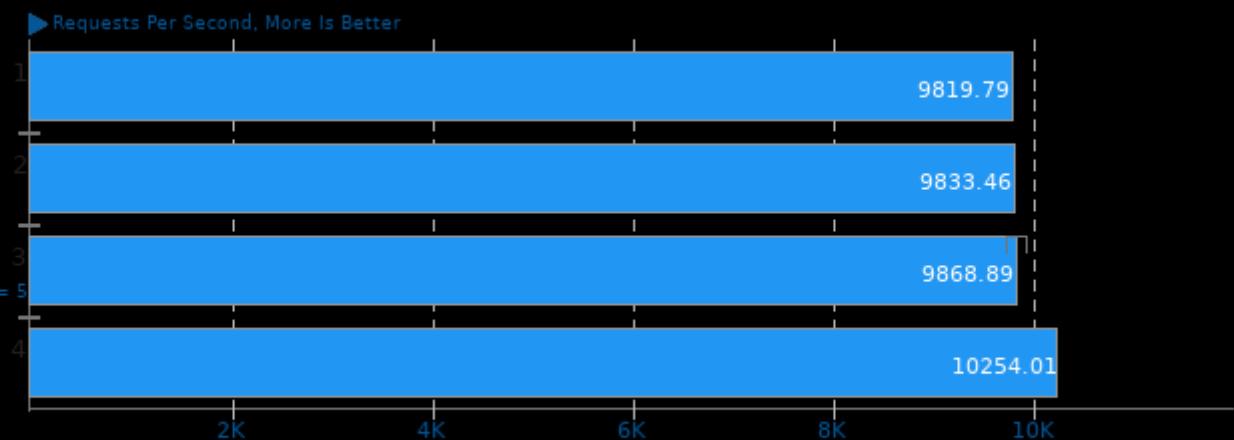
Concurrent Requests: 1000



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

Apache HTTP Server 2.4.48

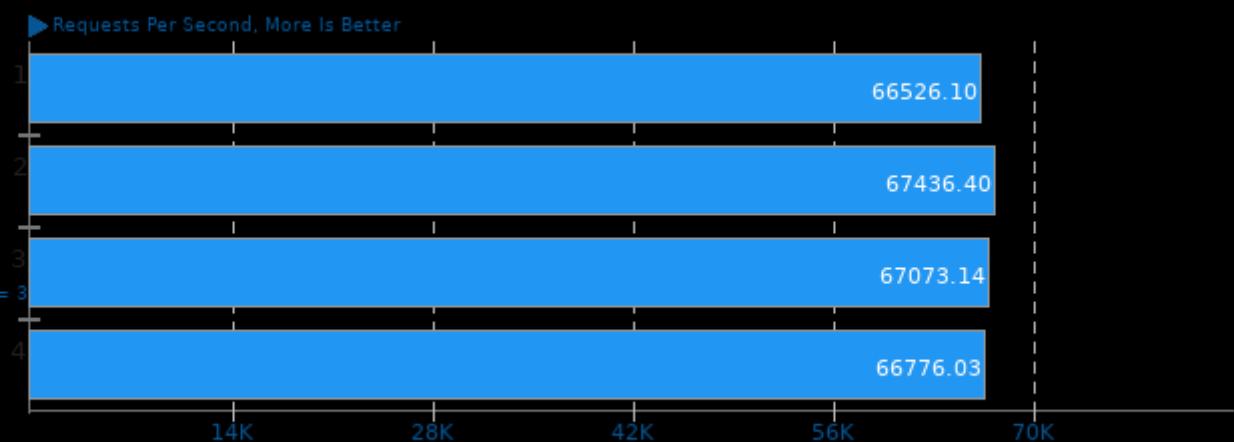
Concurrent Requests: 1



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

Apache HTTP Server 2.4.48

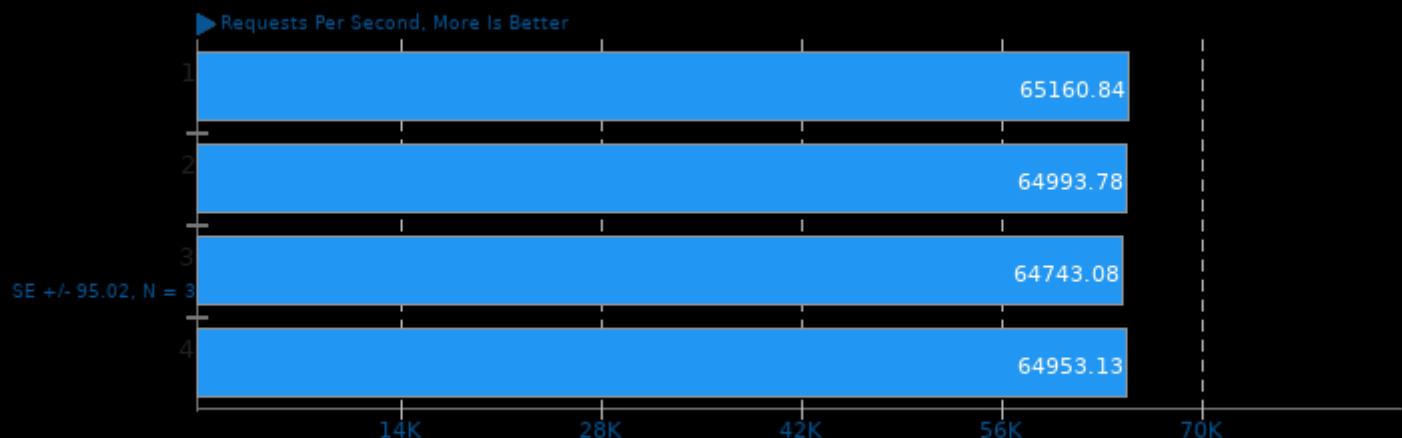
Concurrent Requests: 20



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

Apache HTTP Server 2.4.48

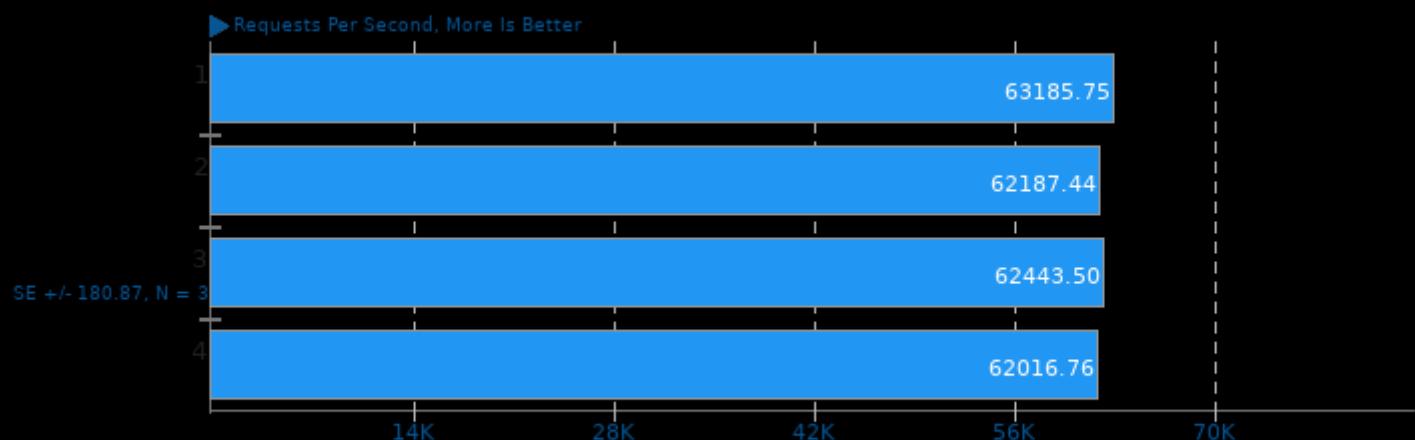
Concurrent Requests: 100



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

Apache HTTP Server 2.4.48

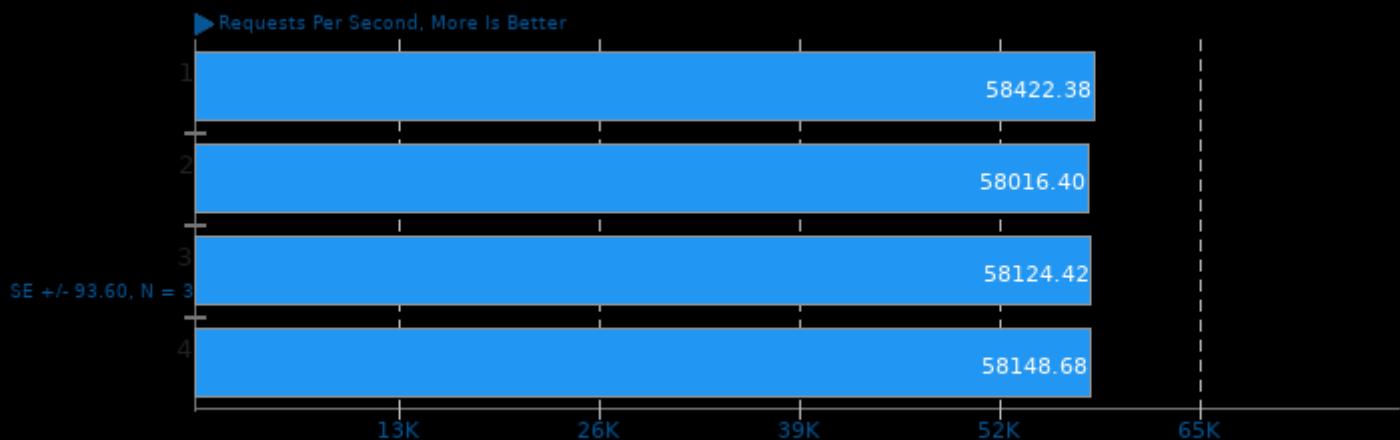
Concurrent Requests: 200



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

Apache HTTP Server 2.4.48

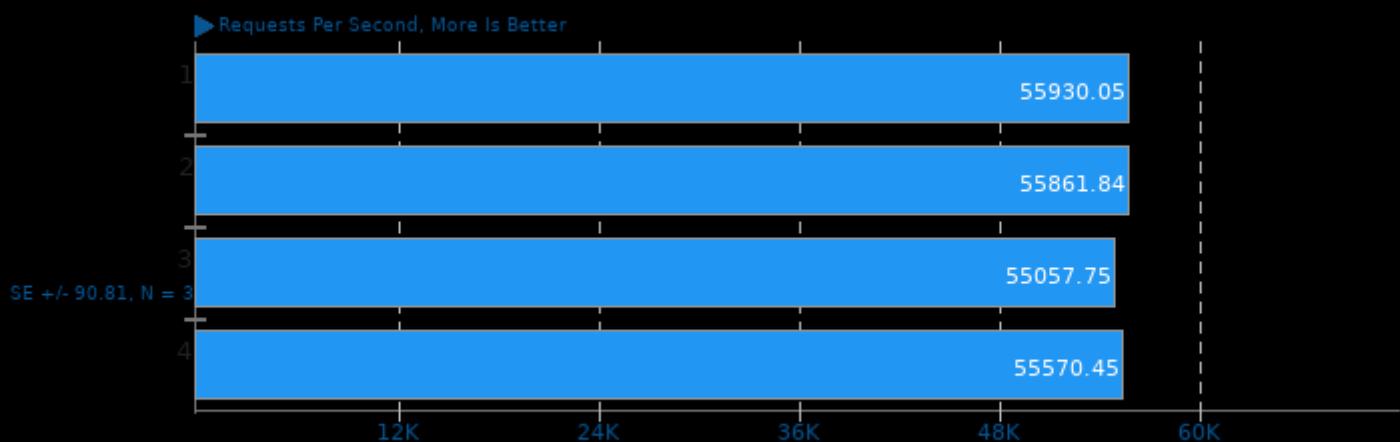
Concurrent Requests: 500



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

Apache HTTP Server 2.4.48

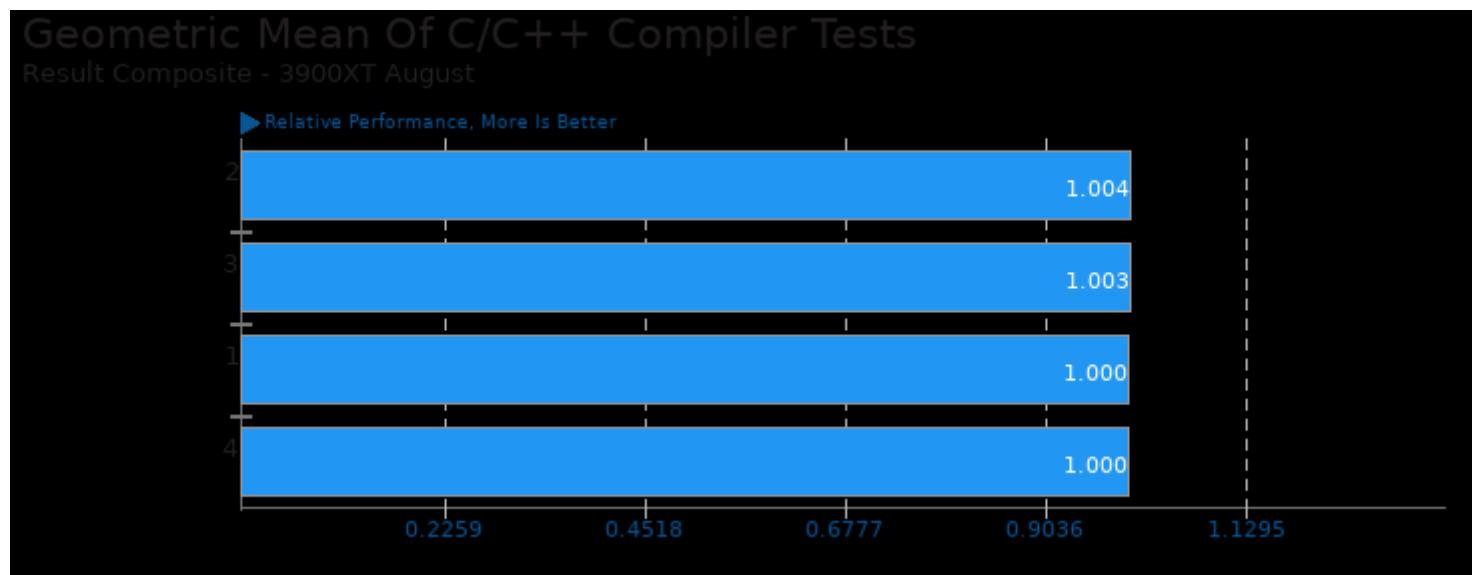
Concurrent Requests: 1000



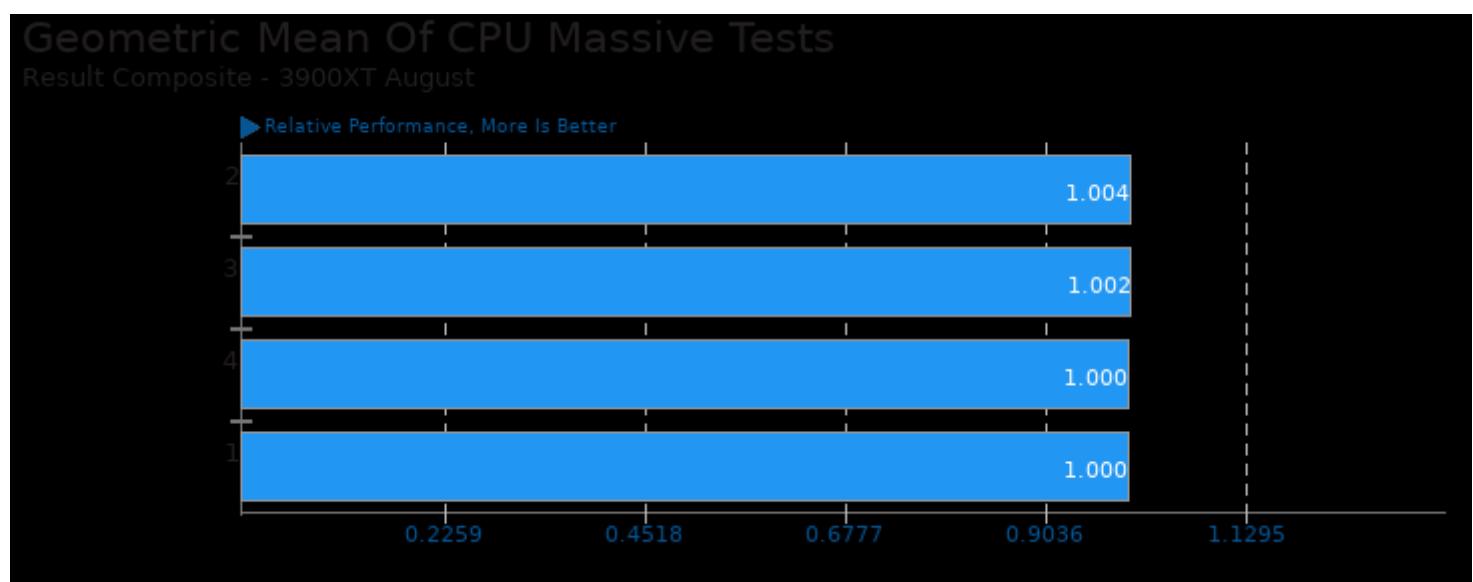
1. (CC) gcc options: -shared -fPIC -O2 -pthread

3900XT August

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



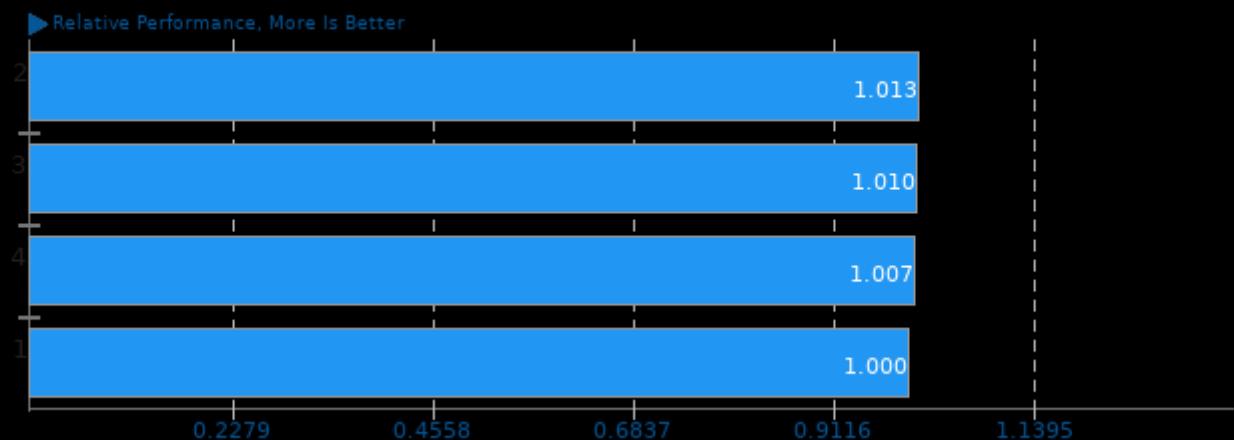
Geometric mean based upon tests: pts/apache, pts/dav1d, pts/nginx, pts/tachyon and pts/keydb



Geometric mean based upon tests: pts/apache, pts/dav1d, pts/nginx and pts/tachyon

Geometric Mean Of Creator Workloads Tests

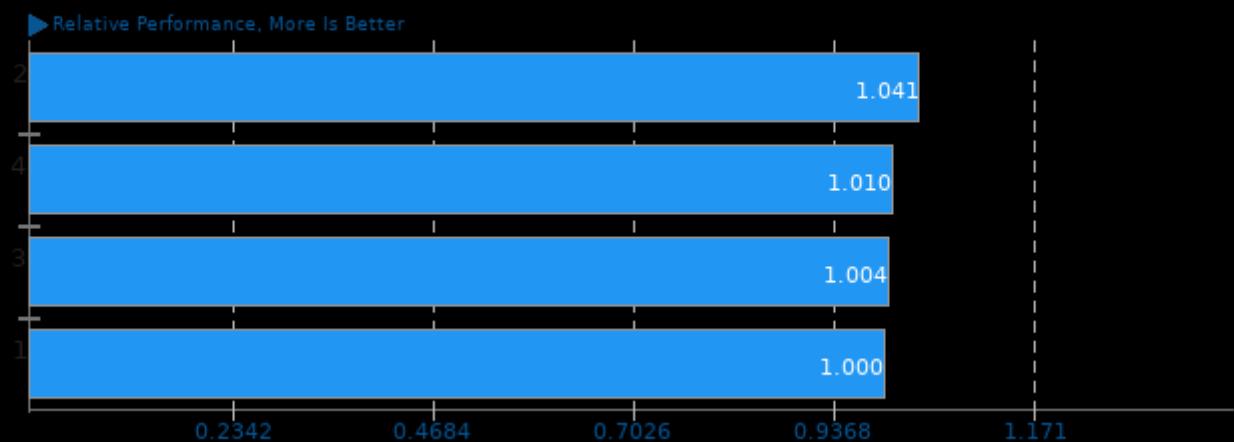
Result Composite - 3900XT August



Geometric mean based upon tests: pts/tachyon, pts/yafaray, pts/dav1d and pts/openvkl

Geometric Mean Of Database Test Suite

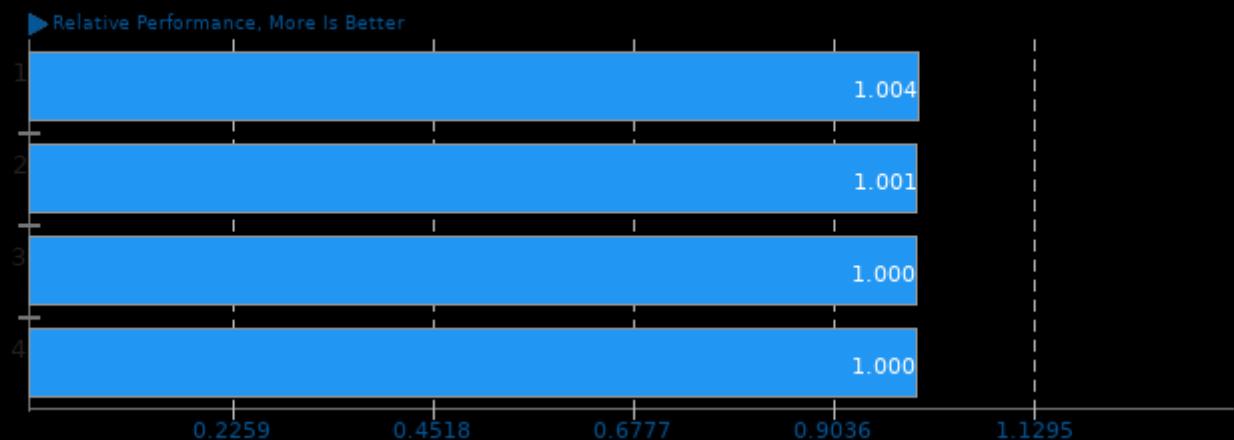
Result Composite - 3900XT August



Geometric mean based upon tests: pts/keydb and pts/cassandra

Geometric Mean Of Go Language Tests

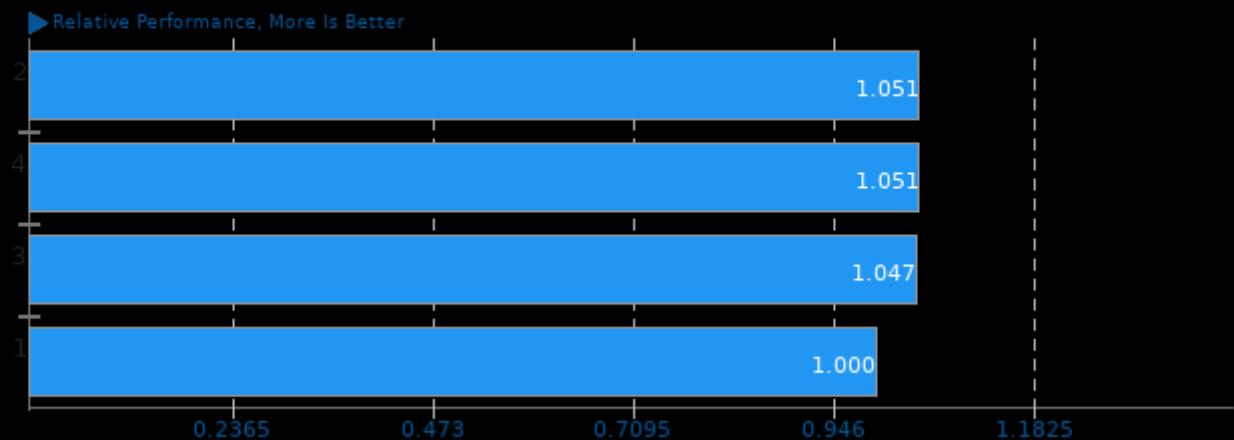
Result Composite - 3900XT August



Geometric mean based upon tests: pts/nginx and pts/apache

Geometric Mean Of HPC - High Performance Computing Tests

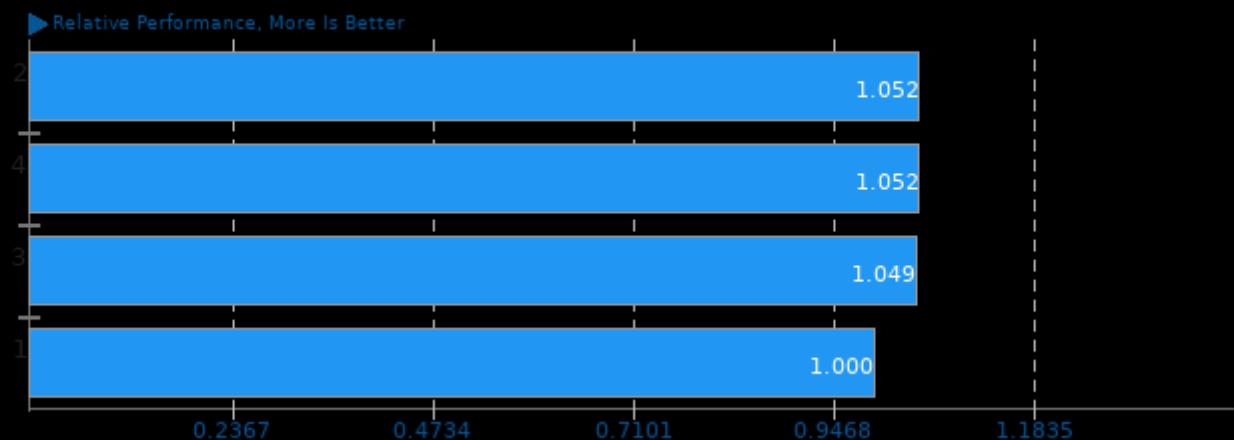
Result Composite - 3900XT August



Geometric mean based upon tests: pts/qe, pts/ncnn and pts/ecp-candle

Geometric Mean Of Machine Learning Tests

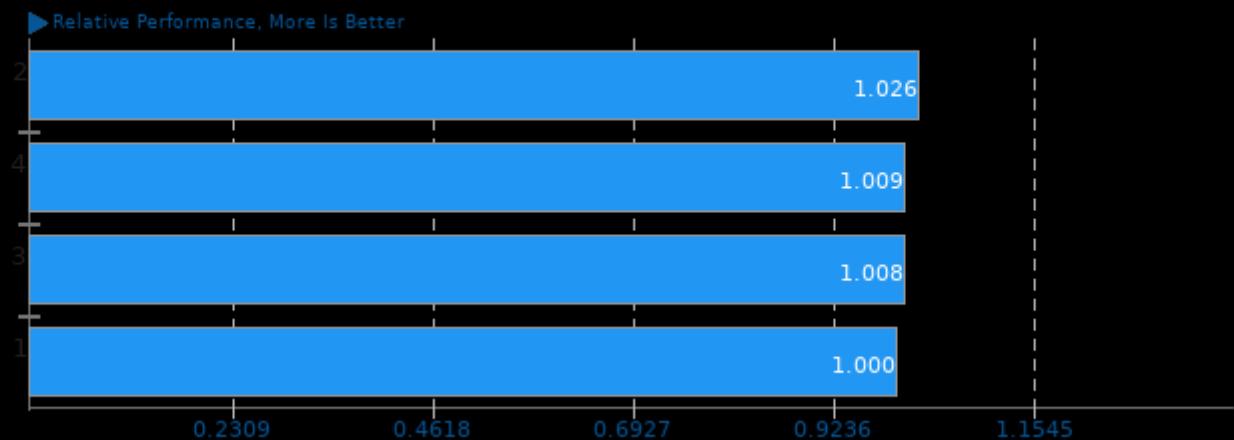
Result Composite - 3900XT August



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

Geometric Mean Of Multi-Core Tests

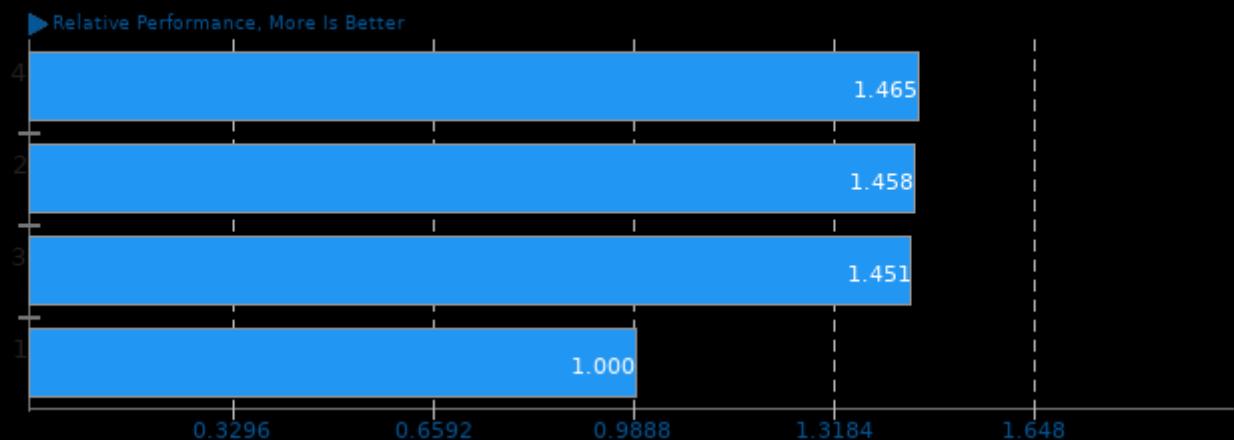
Result Composite - 3900XT August



Geometric mean based upon tests: pts/tachyon, pts/yafaray, pts/dav1d, pts/openvkl and pts/cassandra

Geometric Mean Of Python Tests

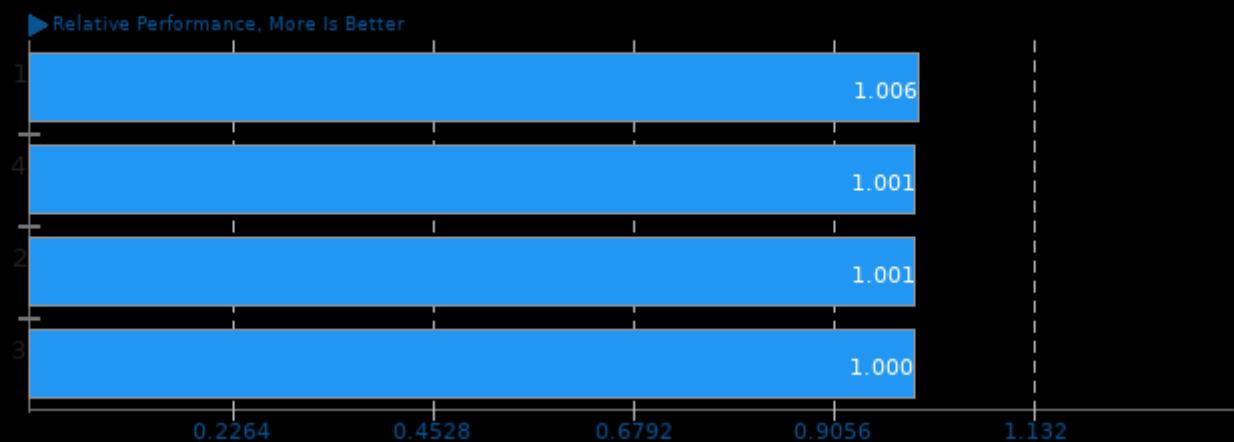
Result Composite - 3900XT August



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

Geometric Mean Of Raytracing Tests

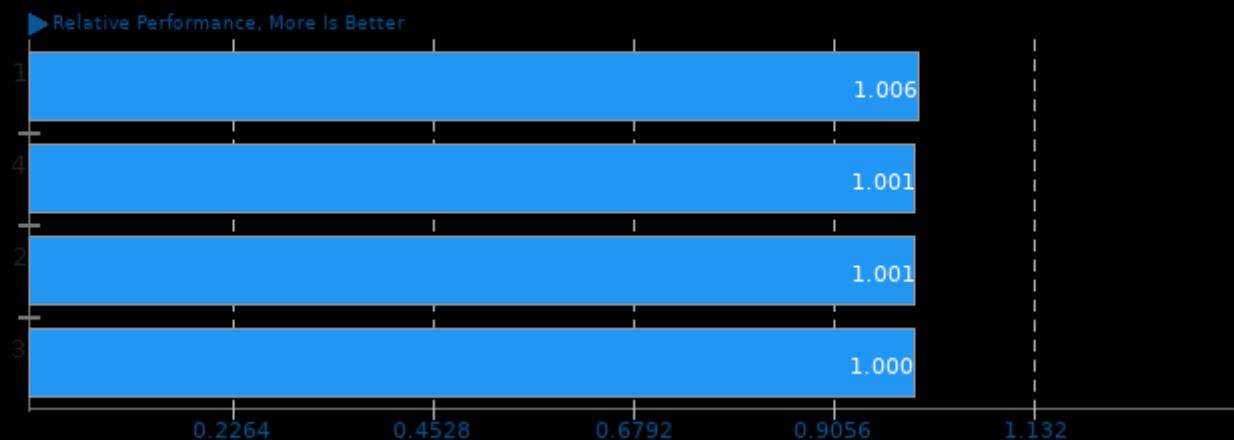
Result Composite - 3900XT August



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

Geometric Mean Of Renderers Tests

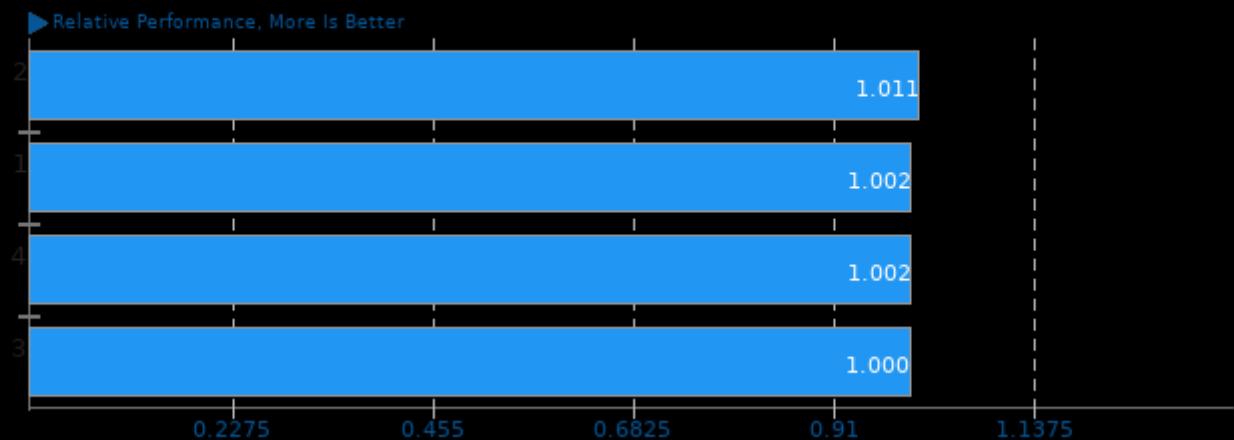
Result Composite - 3900XT August



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

Geometric Mean Of Server Tests

Result Composite - 3900XT August



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

This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 16:20.