



12600k adl novvy

Intel Core i5-12600K testing with a ASUS PRIME Z690-P WIFI D4 (0605 BIOS) and ASUS Intel ADL-S GT1 15GB on Ubuntu 22.04 via the Phoronix Test Suite.

Automated Executive Summary

d had the most wins, coming in first place for 39% of the tests.

Based on the geometric mean of all complete results, the fastest (d) was 1.013x the speed of the slowest (a). b was 0.996x the speed of d, c was 0.998x the speed of b, a was 0.994x the speed of c.

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

Stress-NG (Test: CPU Cache) at 1.163x
EnCodec (Target Bandwidth: 3 kbps) at 1.069x
Stress-NG (Test: Context Switching) at 1.055x
Xmrig (Variant: Wownero - Hash Count: 1M) at 1.041x
Libplacebo (Test: av1_grain_lap) at 1.038x
EnCodec (Target Bandwidth: 1.5 kbps) at 1.034x
Stress-NG (Test: Glibc C String Functions) at 1.024x
EnCodec (Target Bandwidth: 24 kbps) at 1.023x
Stress-NG (Test: Semaphores) at 1.022x

Cpuminer-Opt (Algorithm: LBC, LBRY Credits) at 1.022x.

Test Systems:

a

b

c

d

Processor: Intel Core i5-12600K @ 6.30GHz (10 Cores / 16 Threads), Motherboard: ASUS PRIME Z690-P WIFI D4 (0605 BIOS), Chipset: Intel Device 7aa7, Memory: 16GB, Disk: 1000GB Western Digital WDS100T1X0E-00AFY0, Graphics: ASUS Intel ADL-S GT1 15GB (1450MHz), Audio: Realtek ALC897, Monitor: ASUS MG28U, Network: Realtek RTL8125 2.5GbE + Intel Device 7af0

OS: Ubuntu 22.04, Kernel: 5.19.0-051900rc6daily20220716-generic (x86_64), Desktop: GNOME Shell 42.1, Display Server: X Server 1.21.1.3 + Wayland, OpenGL: 4.6 Mesa 22.0.1, OpenCL: OpenCL 3.0, Vulkan: 1.2.204, Compiler: GCC 11.2.0, 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-bootstrap --enable-cet --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-serialization=2 --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none=/build/gcc-11-gBFGDP/gcc-11-11.2.0/debian/tmp-nvptx/usr,amdgcx-amdhsa=/build/gcc-11-gBFGDP/gcc-11-11.2.0/debian/tmp-gcn/usr --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: intel_pstate powersave (EPP: balance_performance) - CPU Microcode: 0x1f - Thermald 2.4.9

Python Notes: Python 3.10.4

Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + mmio_stale_data: Not affected + retbleed: Not affected + spec_store_bypass: Mitigation of SSB disabled via prctl + spectre_v1: Mitigation of usercopy/swaps barriers and __user pointer sanitization + spectre_v2: Mitigation of Enhanced IBRS IBPB: conditional RSB filling + srbds: Not affected + tsx_async_abort: Not affected

	a	b	c	d
Cpuminer-Opt - Magi (kH/s)	472.19	475.2	478.77	469.6
Normalized	98.63%	99.25%	100%	98.08%
Standard Deviation			2.4%	
Cpuminer-Opt - x25x (kH/s)	536.23	534	538.57	538.94
Normalized	99.5%	99.08%	99.93%	100%
Standard Deviation			0%	
Cpuminer-Opt - sscript (kH/s)	158.76	158.51	158.72	158.77
Normalized	99.99%	99.84%	99.97%	100%
Standard Deviation			0.1%	
Cpuminer-Opt - Deepcoin (kH/s)	9054	9020	9033	9058
Normalized	99.95%	99.59%	99.73%	100%

	Standard Deviation		0.2%	
Cpuminer-Opt - Ringcoin (kH/s)	2488	2456	2500	2462
	Normalized	99.53%	98.23%	100%
	Standard Deviation		2.5%	
Cpuminer-Opt - Blake-2 S (kH/s)	413650	407160	412280	414910
	Normalized	99.7%	98.13%	99.37%
	Standard Deviation		1.1%	
Cpuminer-Opt - Garlicoin (kH/s)	2433	2447	2431	2451
	Normalized	99.29%	99.86%	99.21%
	Standard Deviation		0.2%	
Cpuminer-Opt - Skeincoin (kH/s)	72370	72340	72363	72360
	Normalized	100%	99.96%	99.99%
	Standard Deviation		0%	
Cpuminer-Opt - Myriad-Groestl (kH/s)	14900	14610	14703	14690
	Normalized	100%	98.05%	98.68%
	Standard Deviation		0.9%	
Cpuminer-Opt - LBC, LBRY Credits (kH/s)	27850	27380	27513	27980
	Normalized	99.54%	97.86%	98.33%
	Standard Deviation		1.1%	
Cpuminer-Opt - Q.S.2.P (kH/s)	80300	80300	80490	80300
	Normalized	99.76%	99.76%	100%
	Standard Deviation		0.4%	
Cpuminer-Opt - T.S.2.O (kH/s)	155590	155600	155607	158800
	Normalized	97.98%	97.98%	97.99%
	Standard Deviation		0%	
EnCodec - 3 kbps (sec)	35.251	37.148	34.743	34.823
	Normalized	98.56%	93.53%	100%
	Standard Deviation		2%	
EnCodec - 6 kbps (sec)	35.3	35.39	35.332	34.662
	Normalized	98.19%	97.94%	98.1%
	Standard Deviation		1.6%	
EnCodec - 24 kbps (sec)	39.463	40.12	39.675	39.201
	Normalized	99.34%	97.71%	98.81%
	Standard Deviation		0.8%	
EnCodec - 1.5 kbps (sec)	35.024	34.056	35.101	33.936
	Normalized	96.89%	99.65%	96.68%
	Standard Deviation		2.5%	
FFmpeg - libx264 - Live (sec)	17.587776964	17.60	17.60	17.503045605
	Normalized	99.52%	99.45%	99.45%
	Standard Deviation		0.5%	
FFmpeg - libx264 - Live (FPS)	287.13	286.97	286.96	288.52
	Normalized	99.52%	99.46%	99.46%
	Standard Deviation		0.5%	
FFmpeg - libx265 - Live (sec)	41.648341468	41.12	41.33	41.50
	Normalized	98.73%	100%	99.49%
	Standard Deviation		0.8%	
FFmpeg - libx265 - Live (FPS)	121.25	122.81	122.19	121.70
	Normalized	98.73%	100%	99.5%
	Standard Deviation		0.8%	
FFmpeg - libx264 - Upload (sec)	152.586535286	152.685429163	152.71	152.854839206
	Normalized	100%	99.94%	99.92%
	Standard Deviation		0%	
FFmpeg - libx264 - Upload (FPS)	16.55	16.54	16.53	16.52
	Normalized	100%	99.94%	99.88%

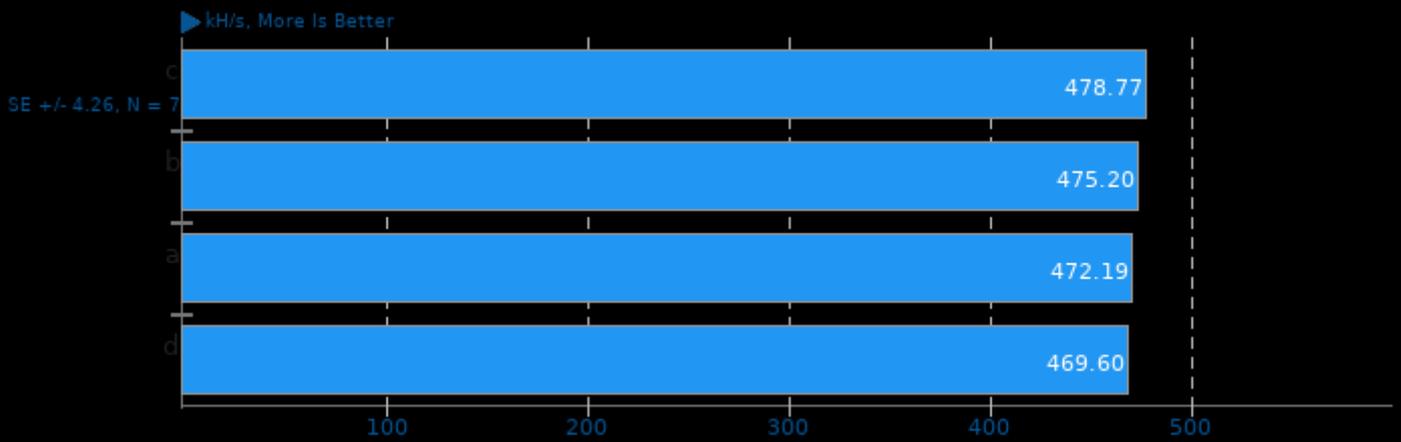
	Standard Deviation		0%	
FFmpeg - libx265 - Upload (sec)	109.79142681	109.454032553	109.512148059	109.534461487
	Normalized	99.69%	100%	99.95%
	Standard Deviation		0.4%	99.93%
FFmpeg - libx265 - Upload (FPS)	23.00	23.07	23.06	23.05
	Normalized	99.7%	100%	99.96%
	Standard Deviation		0.4%	99.91%
FFmpeg - libx264 - Platform (sec)	118.267435307	118.44	118.22	118.315863679
	Normalized	99.96%	99.81%	100%
	Standard Deviation		0%	99.92%
FFmpeg - libx264 - Platform (FPS)	64.05	63.96	64.07	64.02
	Normalized	99.97%	99.83%	100%
	Standard Deviation		0%	99.92%
FFmpeg - libx265 - Platform (sec)	163.845584184	163.71	164.24	163.651359697
	Normalized	99.88%	99.96%	99.64%
	Standard Deviation		0%	100%
FFmpeg - libx265 - Platform (FPS)	46.23	46.27	46.12	46.29
	Normalized	99.87%	99.96%	99.63%
	Standard Deviation		0%	100%
FFmpeg - libx264 - Video On Demand (sec)	118.429336808	118.33339059	118.32	118.299120784
	Normalized	99.89%	99.97%	99.98%
	Standard Deviation		0.1%	100%
FFmpeg - libx264 - Video On Demand (FPS)	63.96	64.01	64.02	64.03
	Normalized	99.89%	99.97%	99.98%
	Standard Deviation		0.1%	100%
FFmpeg - libx265 - Video On Demand (sec)	164.379636078	164.566030937	164.01	164.256749338
	Normalized	99.78%	99.66%	100%
	Standard Deviation		0.2%	99.85%
FFmpeg - libx265 - Video On Demand (FPS)	46.08	46.03	46.19	46.12
	Normalized	99.76%	99.65%	100%
	Standard Deviation		0.2%	99.85%
FLAC Audio Encoding - WAV To FLAC (sec)	12.827	12.876	12.803	12.866
	Normalized	99.81%	99.43%	100%
	Standard Deviation		0.1%	99.51%
Libplacebo - deband_heavy (FPS)	40	39.99	39.98	39.98
	Normalized	100%	99.98%	99.95%
	Standard Deviation		0.1%	99.95%
Libplacebo - polar_nocompute (FPS)	69.63	69.64	69.65	69.62
	Normalized	99.97%	99.99%	100%
	Standard Deviation		0%	99.96%
Libplacebo - hdr_peakdetect (FPS)	399.44	399.54	398.61	398.69
	Normalized	99.97%	100%	99.77%
	Standard Deviation		0.1%	99.79%
Libplacebo - hdr_lut (FPS)	400.49	401.51	400.27	400.11
	Normalized	99.75%	100%	99.69%
	Standard Deviation		0.1%	99.65%
Libplacebo - av1_grain_lap (FPS)	204.93	204.91	204.90	212.62
	Normalized	96.38%	96.37%	96.37%
	Standard Deviation		0.1%	100%

miniBUDE - OpenMP - BM1 (GFInst/s)	205.606	203.729	205.238	205.928
Normalized	99.84%	98.93%	99.66%	100%
Standard Deviation			0.6%	
miniBUDE - OpenMP - BM1 (Billion Interactions/s)	8.224	8.149	8.209	8.237
Normalized	99.84%	98.93%	99.66%	100%
Standard Deviation			0.6%	
miniBUDE - OpenMP - BM2 (GFInst/s)	301.743	302.156	302.144	302.135
Normalized	99.86%	100%	100%	99.99%
Standard Deviation			0%	
miniBUDE - OpenMP - BM2 (Billion Interactions/s)	12.07	12.086	12.086	12.085
Normalized	99.87%	100%	100%	99.99%
Standard Deviation			0%	
nekRS - TurboPipe Periodic (FLOP/s)		3835770000	3835056667	3837280000
Normalized		99.96%	99.94%	100%
Standard Deviation			0.3%	
nginx - 20 (Reqs/sec)	89519	89008	89458	89037
Normalized	100%	99.43%	99.93%	99.46%
Standard Deviation			0.3%	
nginx - 100 (Reqs/sec)	105104	105857	105959	106437
Normalized	98.75%	99.46%	99.55%	100%
Standard Deviation			0.1%	
nginx - 200 (Reqs/sec)	100241	99452	99836	99800
Normalized	100%	99.21%	99.6%	99.56%
Standard Deviation			0.2%	
nginx - 500 (Reqs/sec)	86594	85840	86735	85838
Normalized	99.84%	98.97%	100%	98.97%
Standard Deviation			0.4%	
nginx - 1000 (Reqs/sec)	79536	79140	79449	79526
Normalized	100%	99.5%	99.89%	99.99%
Standard Deviation			0.4%	
Stress-NG - MMAP (Bogo Ops/s)	259.42	259.5	259.93	259.49
Normalized	99.8%	99.83%	100%	99.83%
Standard Deviation			0.1%	
Stress-NG - NUMA (Bogo Ops/s)	292.84	295.23	294.23	298.63
Normalized	98.06%	98.86%	98.53%	100%
Standard Deviation			0.7%	
Stress-NG - Futex (Bogo Ops/s)	1668937	2467924	2629294	2701742
Normalized	61.77%	91.35%	97.32%	100%
Standard Deviation			12.1%	
Stress-NG - MEMFD (Bogo Ops/s)	906.36	904.88	908.15	905.24
Normalized	99.8%	99.64%	100%	99.68%
Standard Deviation			0.3%	
Stress-NG - Mutex (Bogo Ops/s)	6872726	6822991	6844346	6877897
Normalized	99.92%	99.2%	99.51%	100%
Standard Deviation			0.1%	
Stress-NG - Atomic (Bogo Ops/s)	273098	288531	276641	293228
Normalized	93.14%	98.4%	94.34%	100%
Standard Deviation			8.4%	
Stress-NG - Crypto (Bogo Ops/s)	17362	17376	17350	17349
Normalized	99.92%	100%	99.85%	99.85%
Standard Deviation			0.1%	
Stress-NG - Malloc (Bogo Ops/s)	10555875	10664706	10585597	10593104
Normalized	98.98%	100%	99.26%	99.33%

	Standard Deviation		0.2%	
Stress-NG - Forking (Bogo Ops/s)	62011	60735	61141	61468
	Normalized	100%	97.94%	98.6%
	Standard Deviation		0.2%	
Stress-NG - IO_uring (Bogo Ops/s)	20587	20602	20526	20545
	Normalized	99.93%	100%	99.63%
	Standard Deviation		0%	
Stress-NG - SENDFILE (Bogo Ops/s)	280314	277441	277372	274837
	Normalized	100%	98.98%	98.95%
	Standard Deviation		0.2%	
Stress-NG - CPU Cache (Bogo Ops/s)	84.8	98.66	87.36	94.1
	Normalized	85.95%	100%	88.55%
	Standard Deviation		5.7%	
Stress-NG - CPU Stress (Bogo Ops/s)	20716	21079	20901	21055
	Normalized	98.27%	100%	99.15%
	Standard Deviation		0.6%	
Stress-NG - Semaphores (Bogo Ops/s)	1388097	1357740	1375756	1383476
	Normalized	100%	97.81%	99.11%
	Standard Deviation		0.4%	
Stress-NG - Matrix Math (Bogo Ops/s)	57455	57399	57367	57352
	Normalized	100%	99.9%	99.85%
	Standard Deviation		0.1%	
Stress-NG - Vector Math (Bogo Ops/s)	61971	61928	61707	61944
	Normalized	100%	99.93%	99.57%
	Standard Deviation		0.8%	
Stress-NG - x86_64 RdRand (Bogo Ops/s)	82320	82391	82271	82354
	Normalized	99.91%	100%	99.85%
	Standard Deviation		0.2%	
Stress-NG - Memory Copying (Bogo Ops/s)	3335	3323	3343	3342
	Normalized	99.76%	99.42%	100%
	Standard Deviation		0.2%	
Stress-NG - Socket Activity (Bogo Ops/s)	11986	12494	10432	12497
	Normalized	95.91%	99.97%	83.48%
	Standard Deviation		9.4%	
Stress-NG - Context Switching (Bogo Ops/s)	2403226	2447008	2513072	2381529
	Normalized	95.63%	97.37%	100%
	Standard Deviation		2.1%	
Stress-NG - G.C.S.F (Bogo Ops/s)	1825759	1868591	1828134	1870425
	Normalized	97.61%	99.9%	97.74%
	Standard Deviation		2.3%	
Stress-NG - G.Q.D.S (Bogo Ops/s)	182.63	183.6	182.86	182.5
	Normalized	99.47%	100%	99.6%
	Standard Deviation		0.7%	
Stress-NG - S.V.M.P (Bogo Ops/s)	9663810	9692930	9674561	9669420
	Normalized	99.7%	100%	99.81%
	Standard Deviation		0.1%	
Xmrig - Monero - 1M (H/s)	3552	3563	3555	3563
	Normalized	99.67%	99.98%	99.75%
	Standard Deviation		0.2%	
Xmrig - Wownero - 1M (H/s)	7186	7442	7318	7484
	Normalized	96.02%	99.43%	97.78%
	Standard Deviation		0.9%	

Cpuminer-Opt 3.20.3

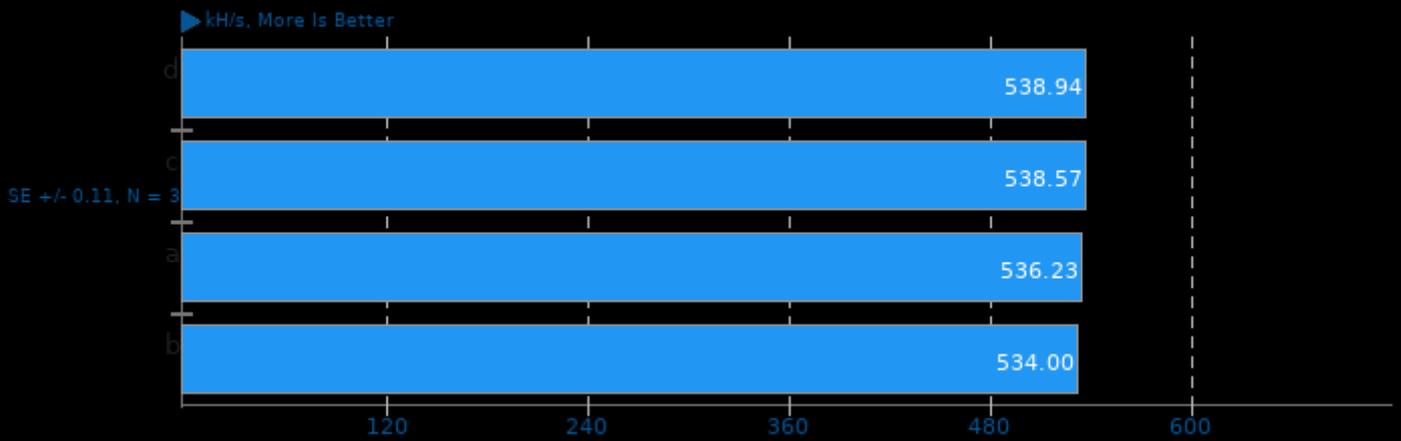
Algorithm: Magi



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

Cpuminer-Opt 3.20.3

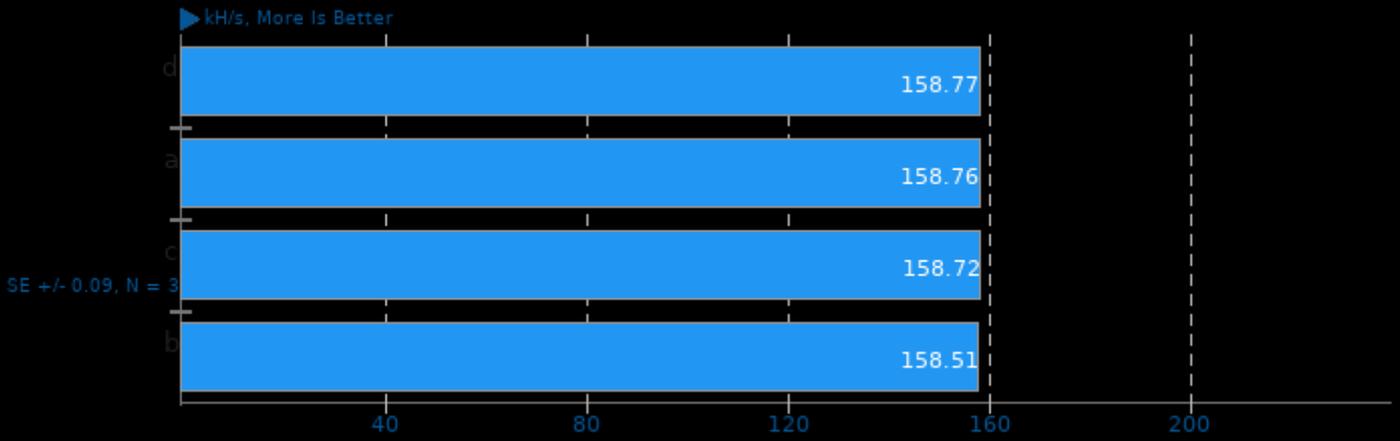
Algorithm: x25x



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

Cpuminer-Opt 3.20.3

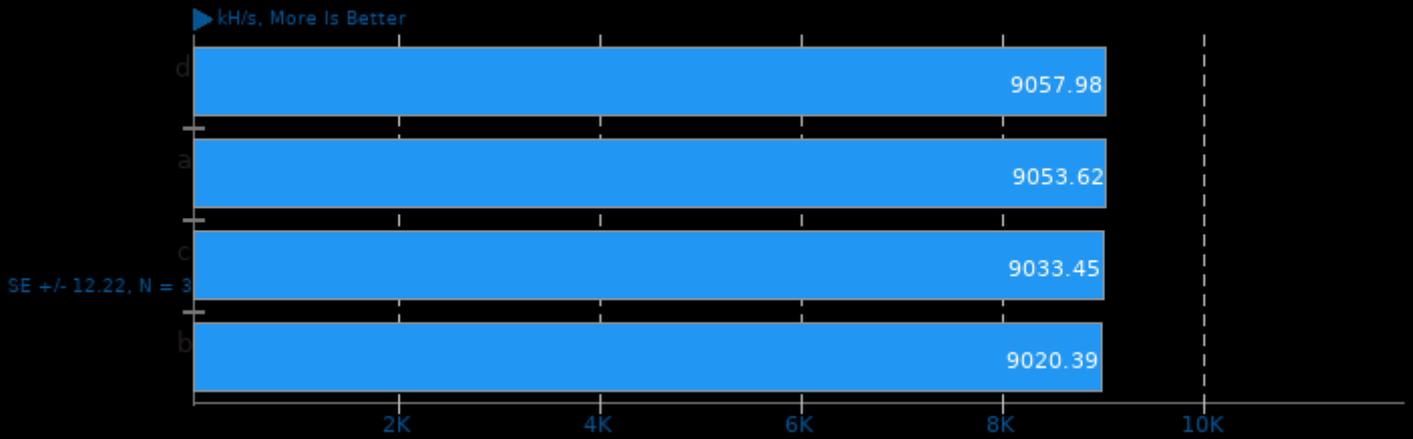
Algorithm: scrypt



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

Cpuminer-Opt 3.20.3

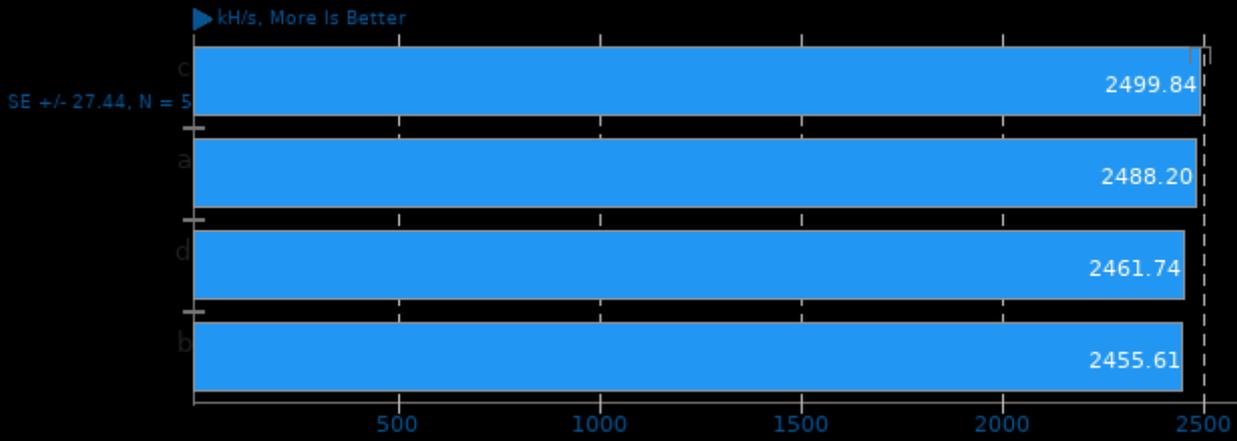
Algorithm: Deepcoin



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

Cpuminer-Opt 3.20.3

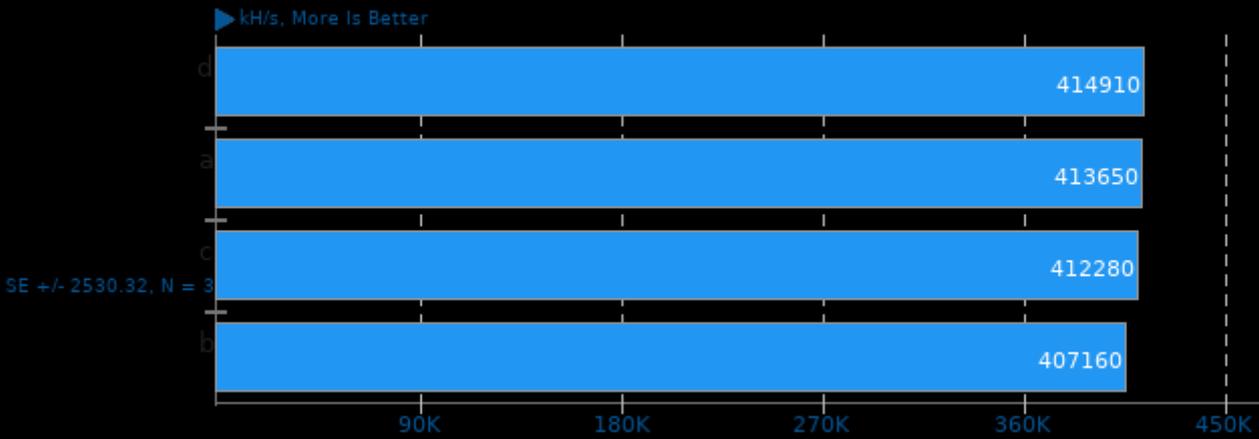
Algorithm: Ringcoin



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

Cpuminer-Opt 3.20.3

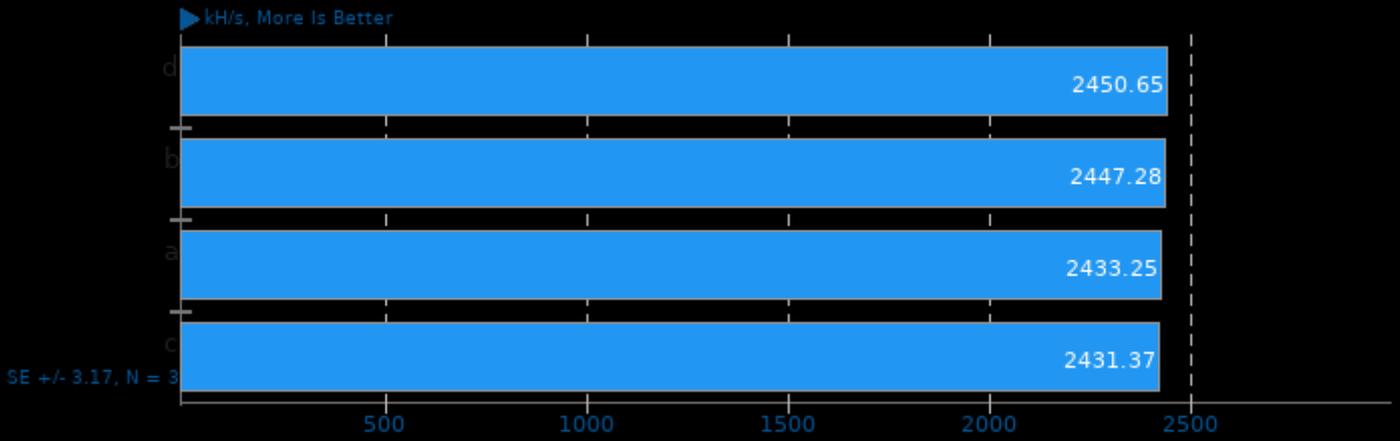
Algorithm: Blake-2 S



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

Cpuminer-Opt 3.20.3

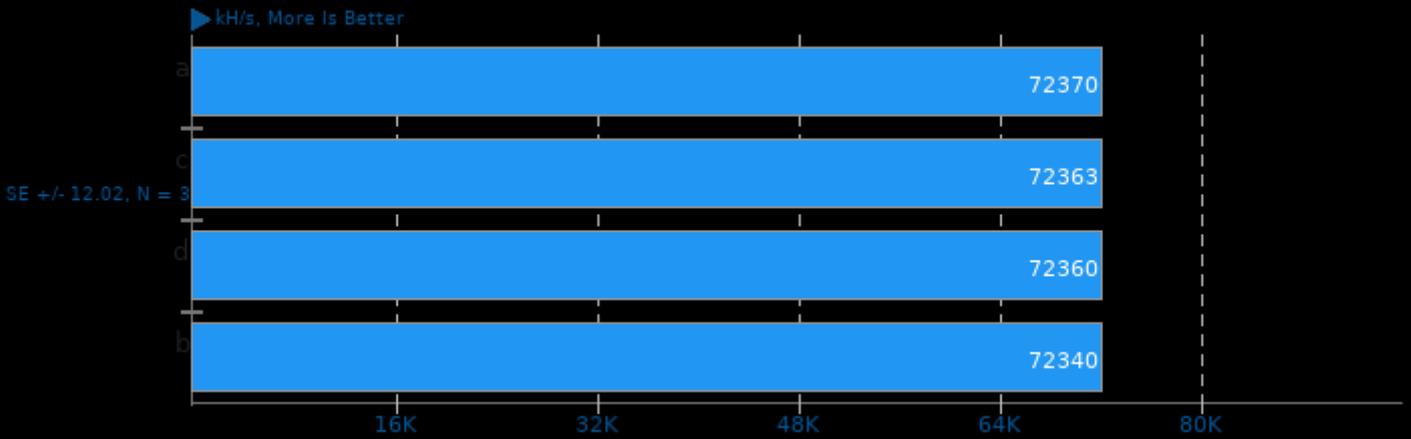
Algorithm: Garlicoin



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

Cpuminer-Opt 3.20.3

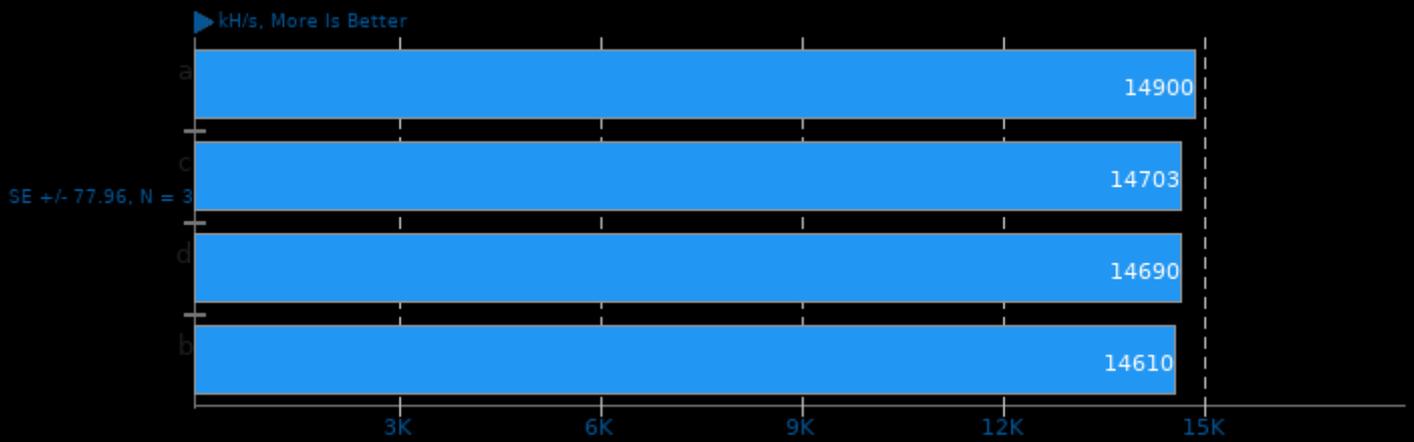
Algorithm: Skeincoin



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

Cpuminer-Opt 3.20.3

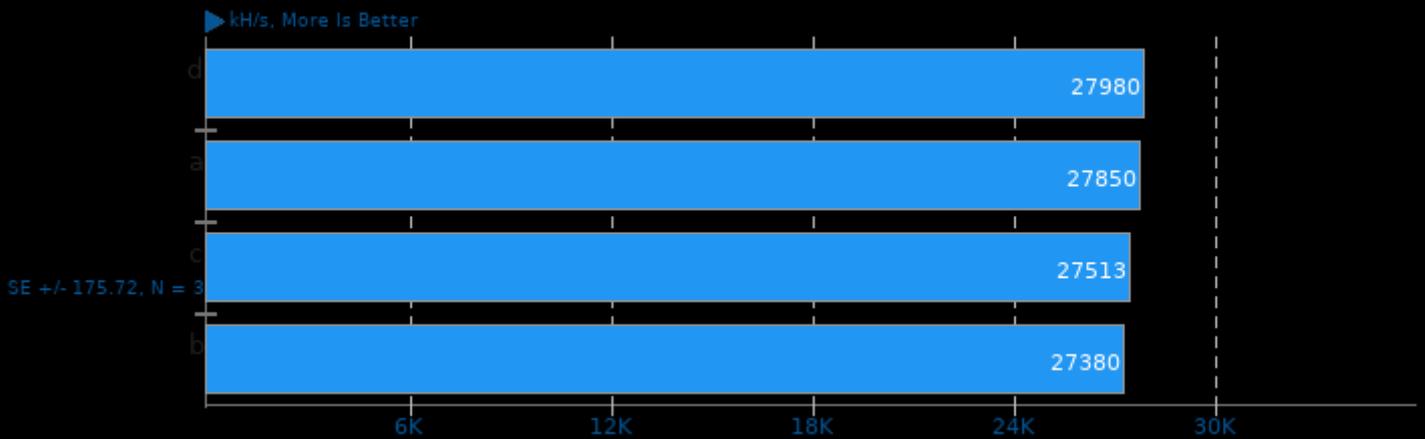
Algorithm: Myriad-Groestl



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

Cpuminer-Opt 3.20.3

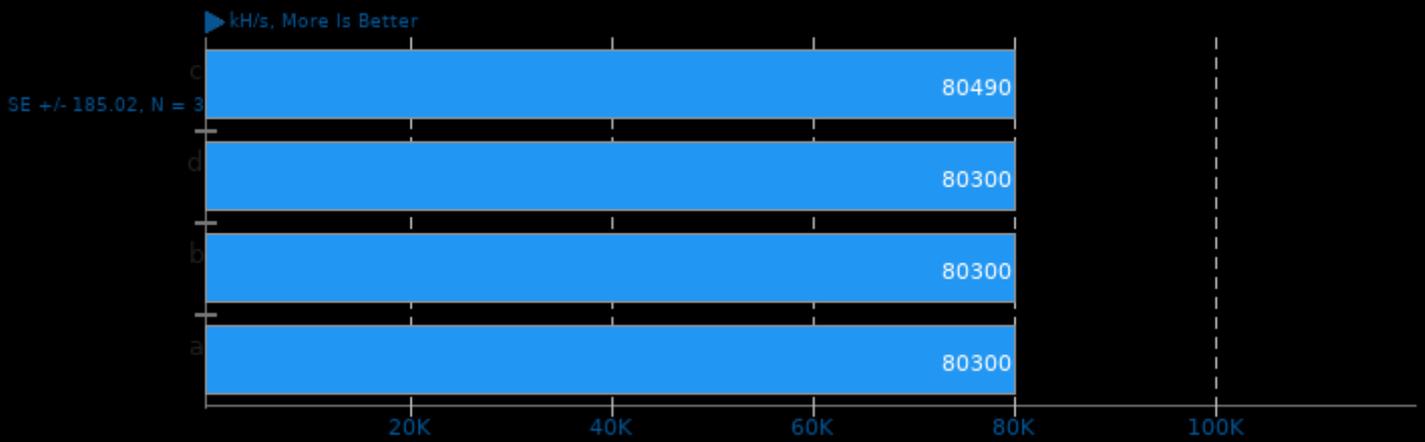
Algorithm: LBC, LBRY Credits



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

Cpuminer-Opt 3.20.3

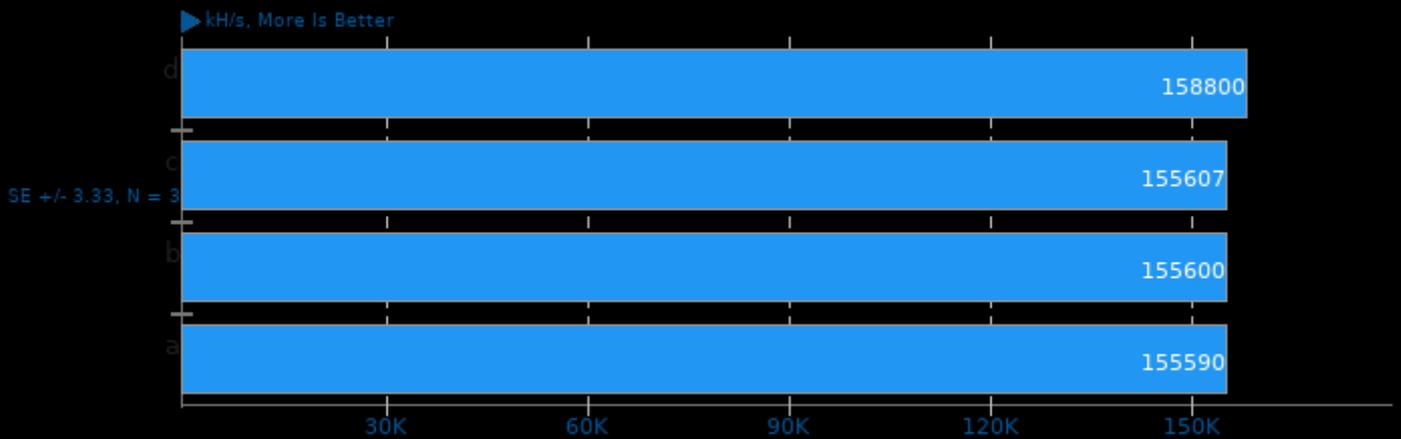
Algorithm: Quad SHA-256, Pyrite



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

Cpuminer-Opt 3.20.3

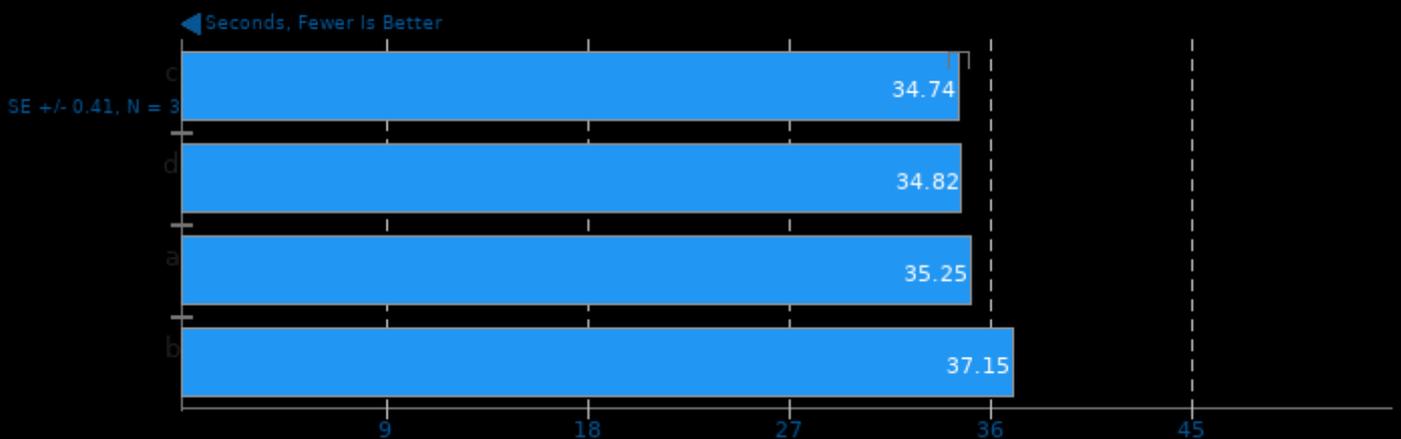
Algorithm: Triple SHA-256, Onecoin



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

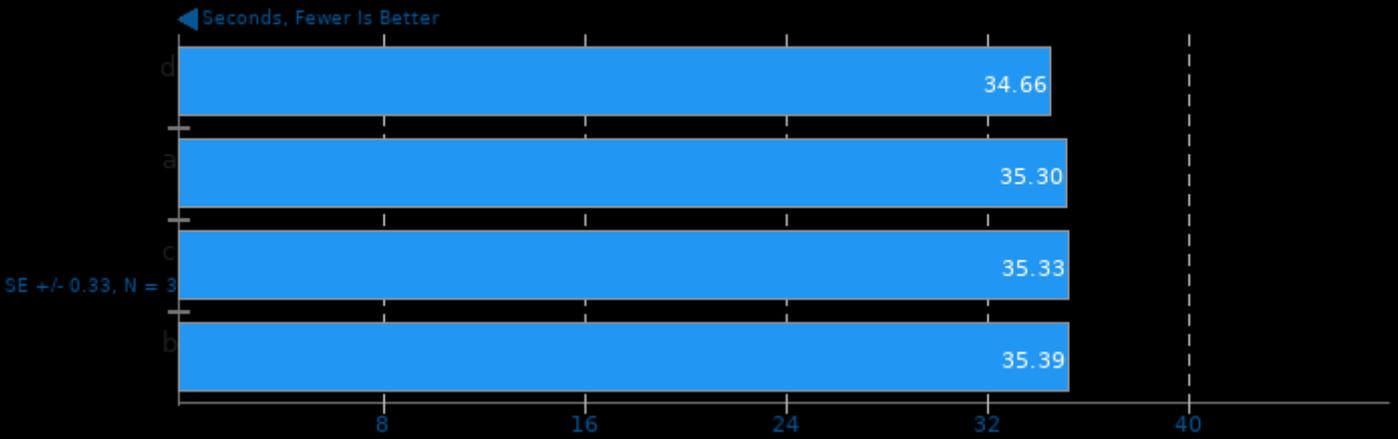
EnCodec 0.1.1

Target Bandwidth: 3 kbps



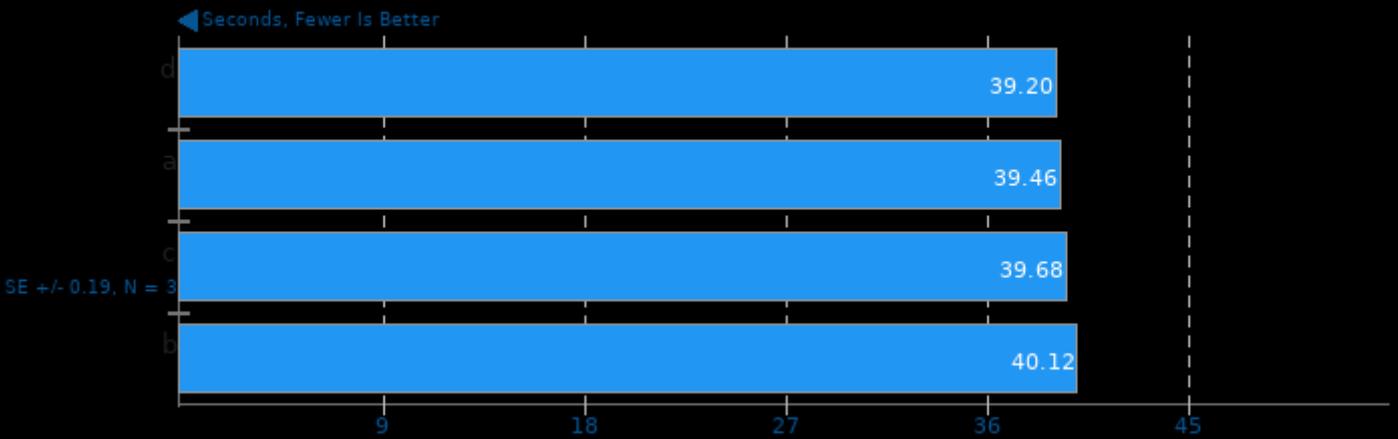
EnCodec 0.1.1

Target Bandwidth: 6 kbps



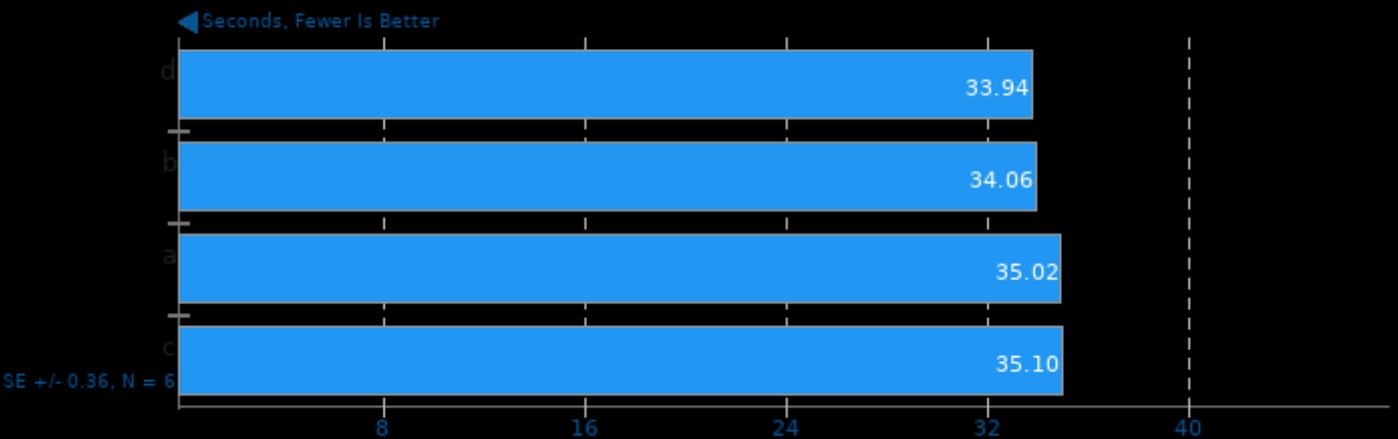
EnCodec 0.1.1

Target Bandwidth: 24 kbps



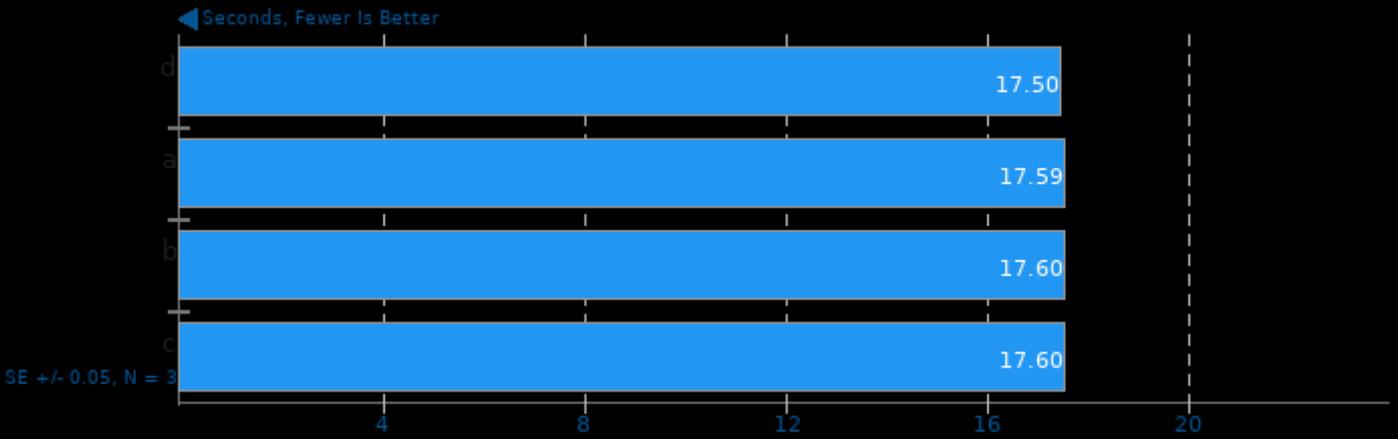
EnCodec 0.1.1

Target Bandwidth: 1.5 kbps



FFmpeg 5.1.2

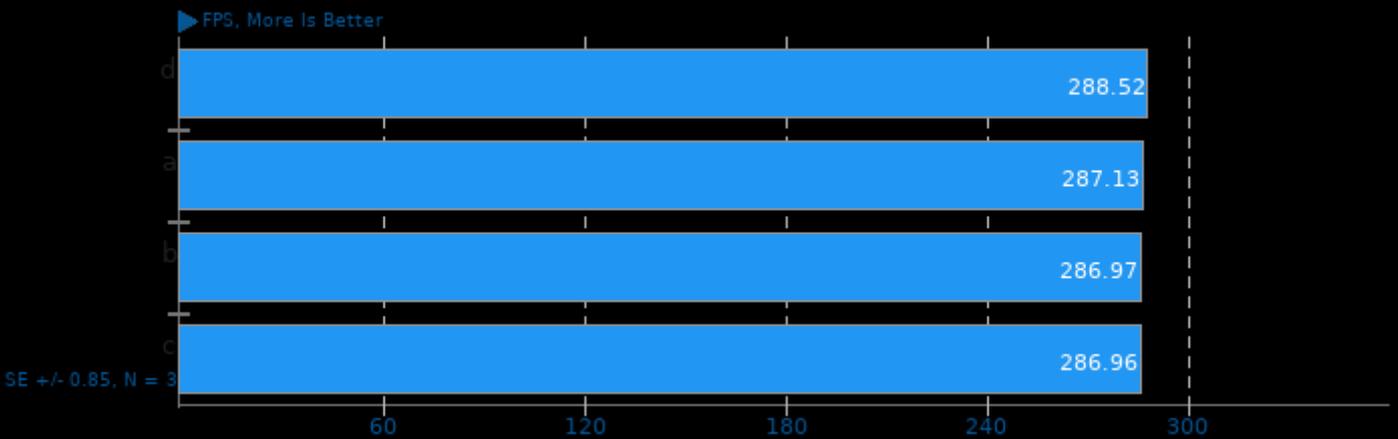
Encoder: libx264 - Scenario: Live



1. (CXX) g++ options: -O3 -rdynamic -lpthread -lrt -ldl -lnuma

FFmpeg 5.1.2

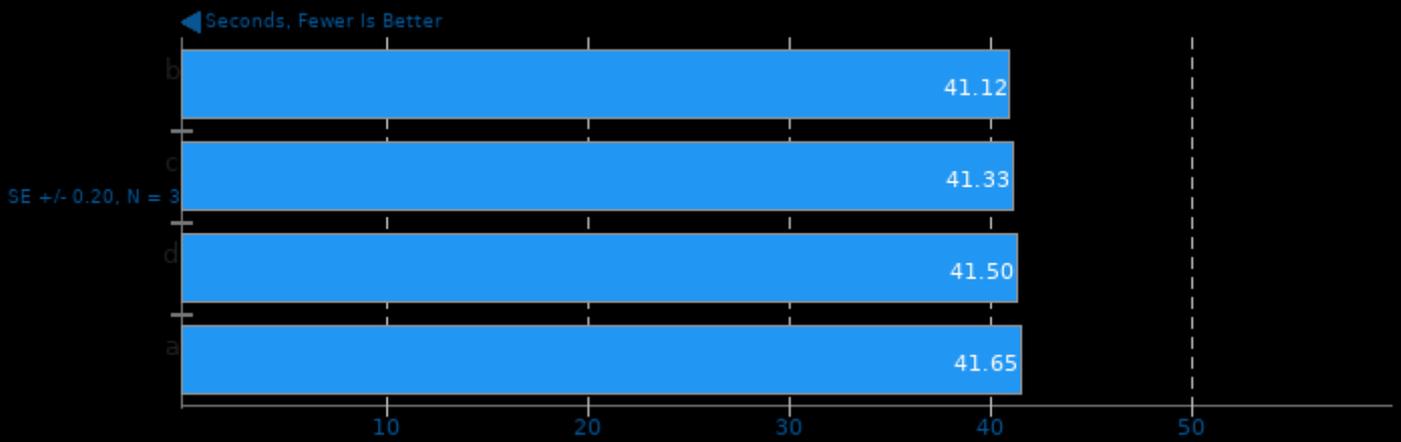
Encoder: libx264 - Scenario: Live



1. (CXX) g++ options: -O3 -rdynamic -lpthread -lrt -ldl -lnuma

FFmpeg 5.1.2

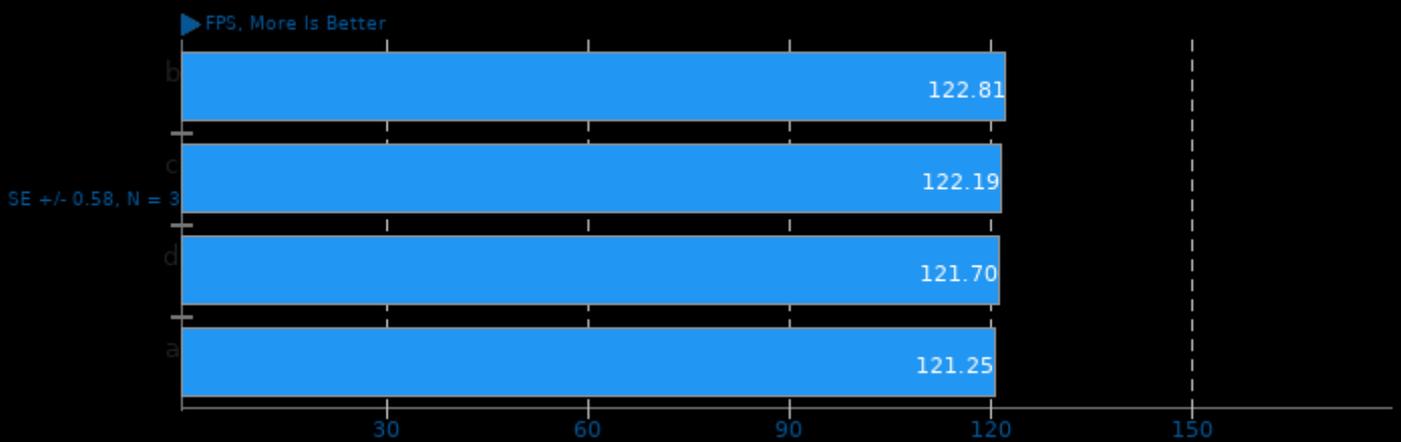
Encoder: libx265 - Scenario: Live



1. (CXX) g++ options: -O3 -rdynamic -lpthread -lrt -ldl -lnuma

FFmpeg 5.1.2

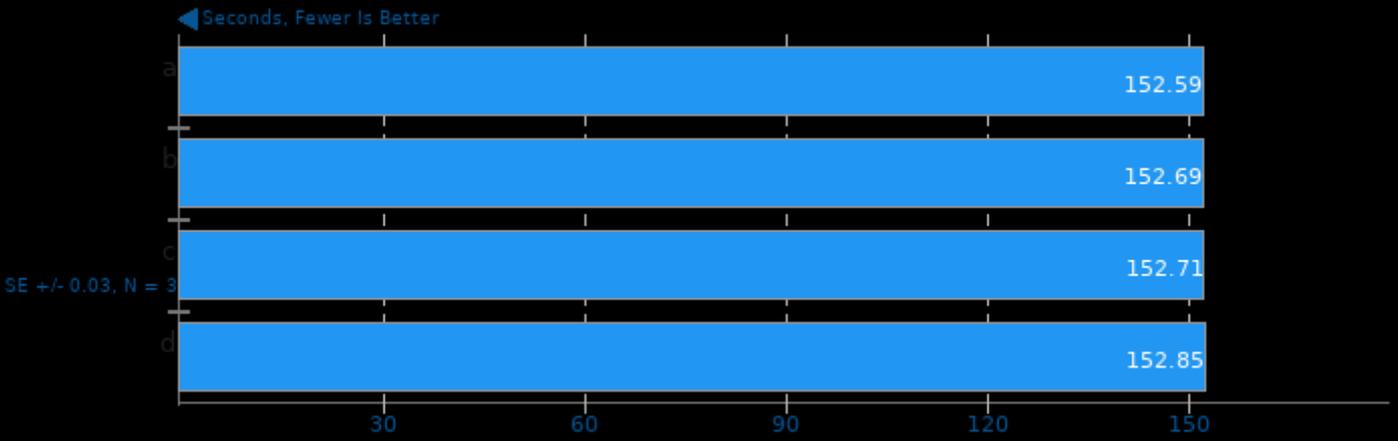
Encoder: libx265 - Scenario: Live



1. (CXX) g++ options: -O3 -rdynamic -lpthread -lrt -ldl -lnuma

FFmpeg 5.1.2

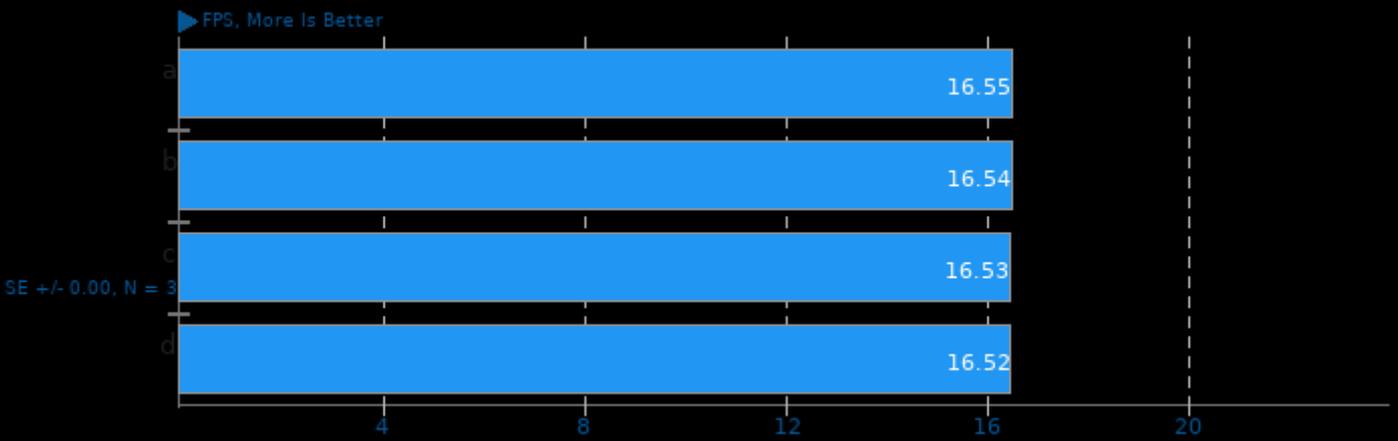
Encoder: libx264 - Scenario: Upload



1. (CXX) g++ options: -O3 -rdynamic -lpthread -lrt -ldl -lnuma

FFmpeg 5.1.2

Encoder: libx264 - Scenario: Upload

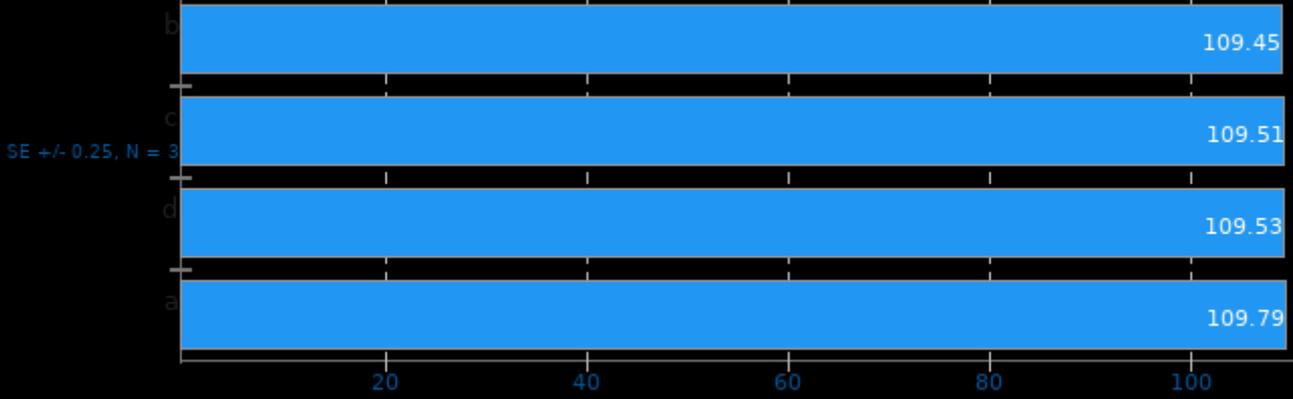


1. (CXX) g++ options: -O3 -rdynamic -lpthread -lrt -ldl -lnuma

FFmpeg 5.1.2

Encoder: libx265 - Scenario: Upload

← Seconds, Fewer Is Better

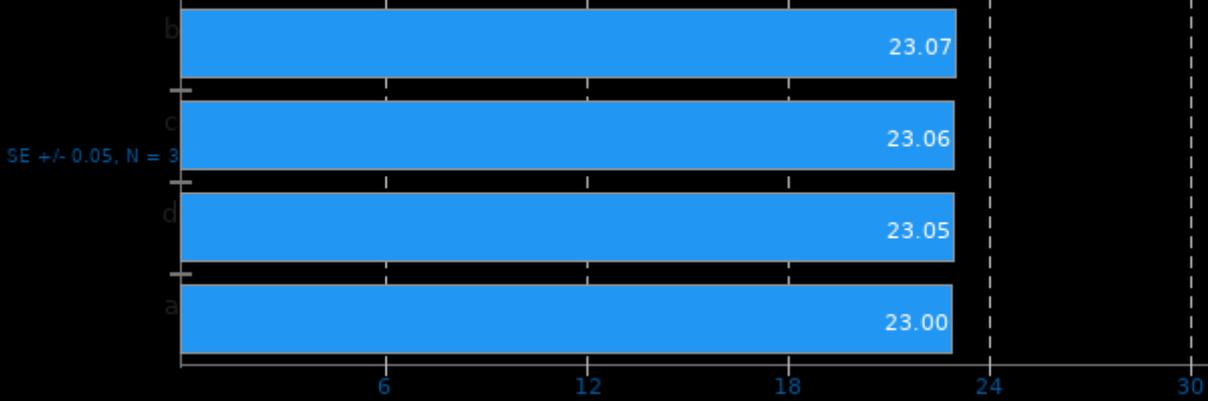


1. (CXX) g++ options: -O3 -rdynamic -lpthread -lrt -ldl -lnuma

FFmpeg 5.1.2

Encoder: libx265 - Scenario: Upload

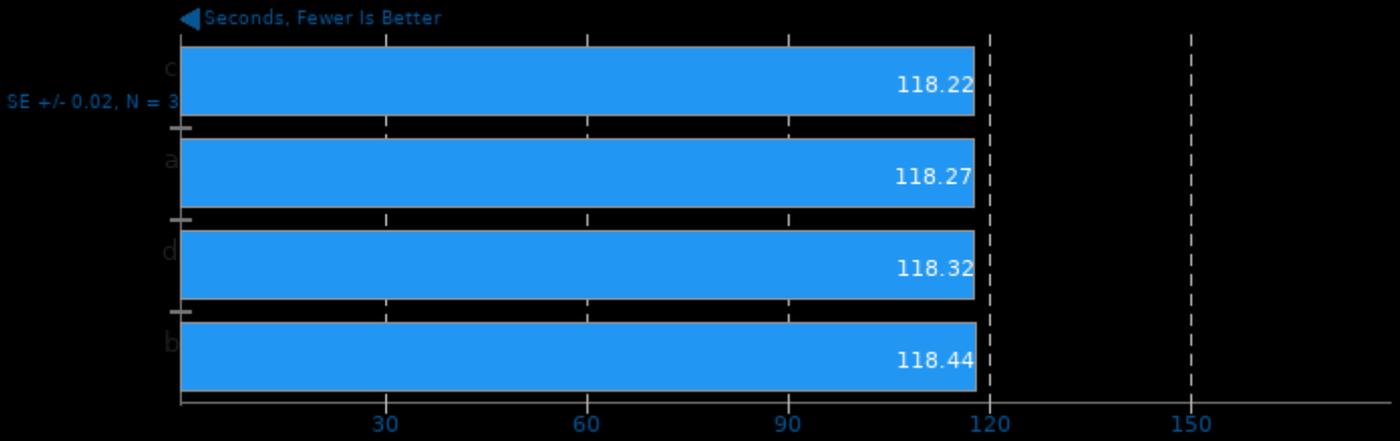
▶ FPS, More Is Better



1. (CXX) g++ options: -O3 -rdynamic -lpthread -lrt -ldl -lnuma

FFmpeg 5.1.2

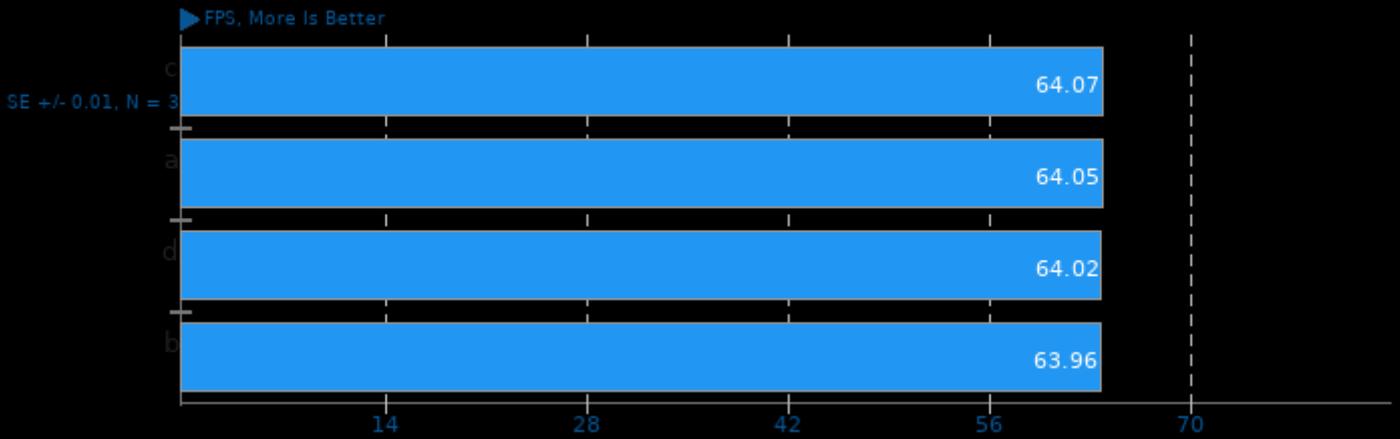
Encoder: libx264 - Scenario: Platform



1. (CXX) g++ options: -O3 -rdynamic -lpthread -lrt -ldl -lnuma

FFmpeg 5.1.2

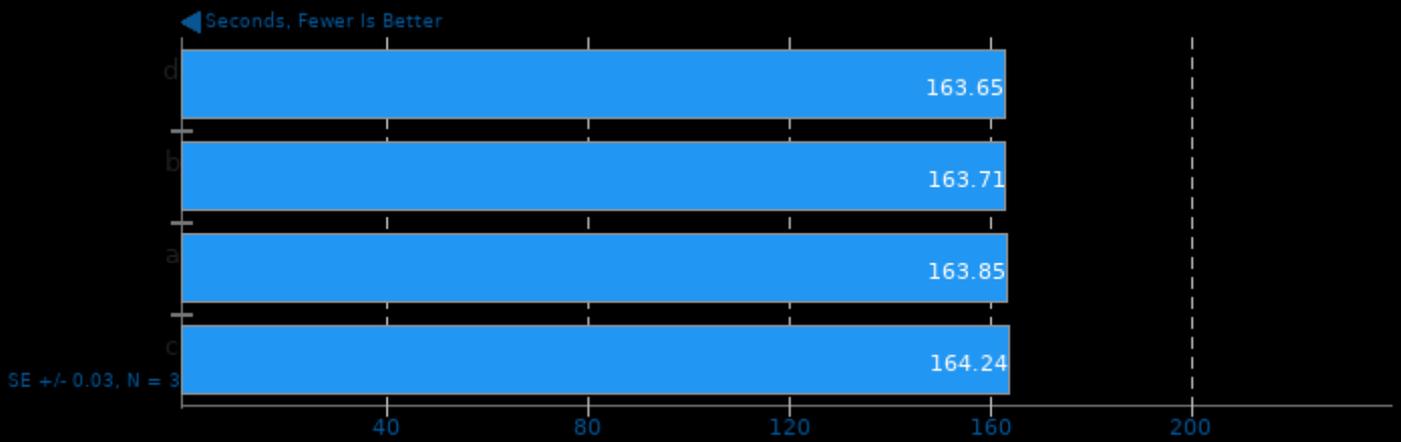
Encoder: libx264 - Scenario: Platform



1. (CXX) g++ options: -O3 -rdynamic -lpthread -lrt -ldl -lnuma

FFmpeg 5.1.2

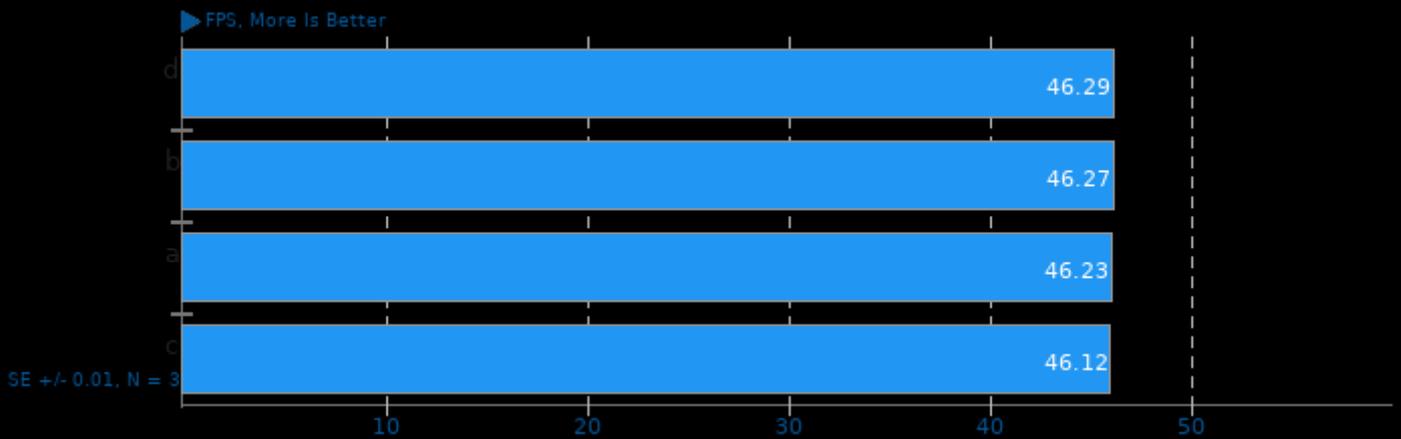
Encoder: libx265 - Scenario: Platform



1. (CXX) g++ options: -O3 -rdynamic -lpthread -lrt -ldl -lnuma

FFmpeg 5.1.2

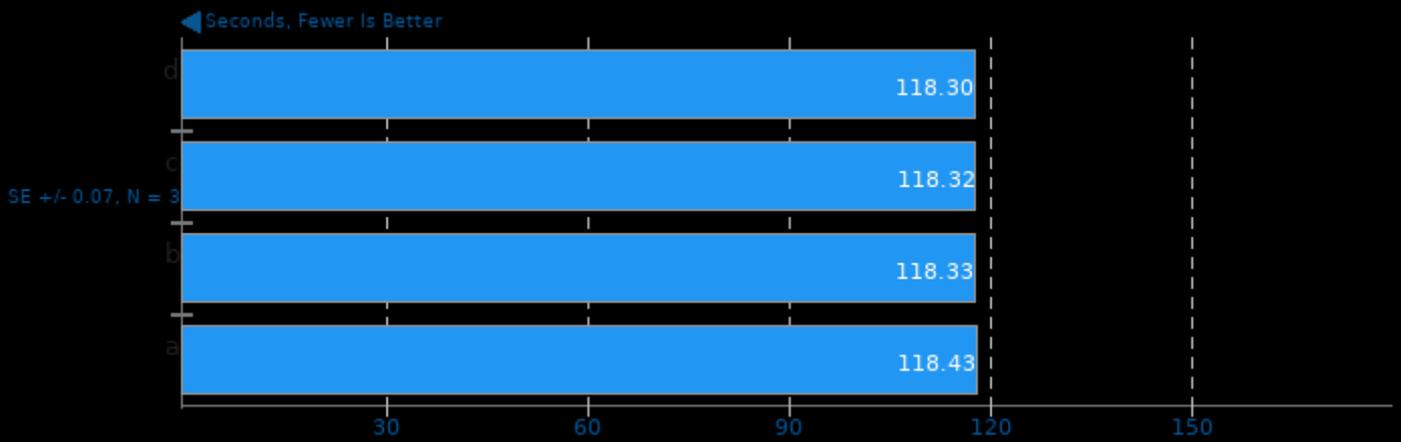
Encoder: libx265 - Scenario: Platform



1. (CXX) g++ options: -O3 -rdynamic -lpthread -lrt -ldl -lnuma

FFmpeg 5.1.2

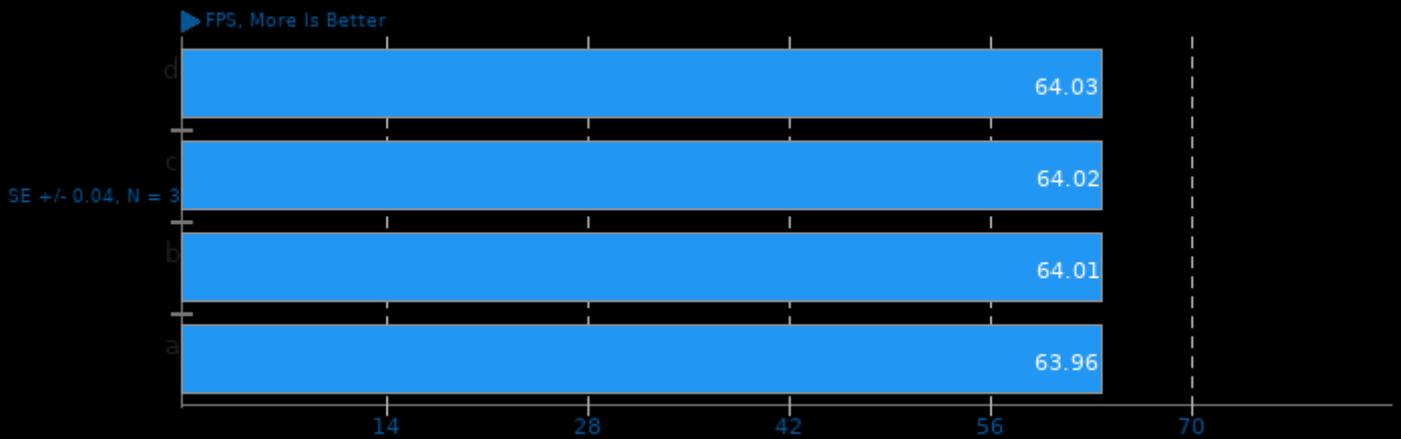
Encoder: libx264 - Scenario: Video On Demand



1. (CXX) g++ options: -O3 -rdynamic -lpthread -lrt -ldl -lnuma

FFmpeg 5.1.2

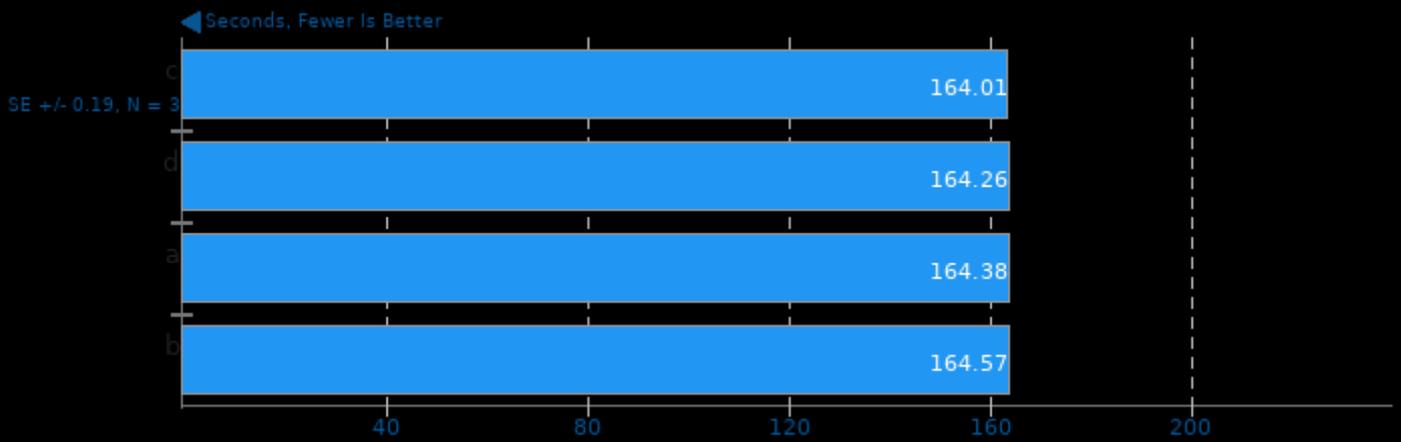
Encoder: libx264 - Scenario: Video On Demand



1. (CXX) g++ options: -O3 -rdynamic -lpthread -lrt -ldl -lnuma

FFmpeg 5.1.2

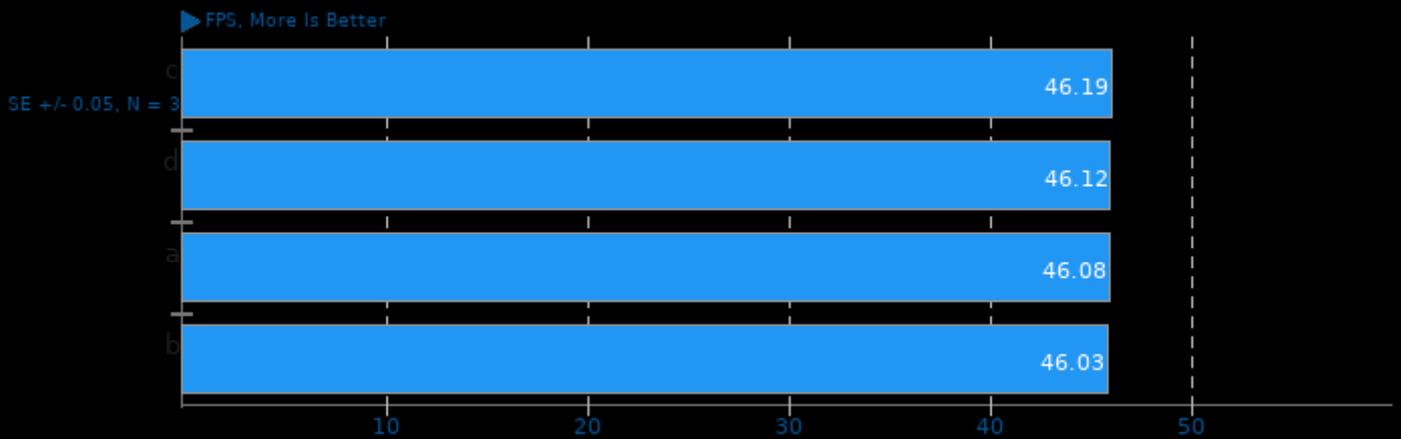
Encoder: libx265 - Scenario: Video On Demand



1. (CXX) g++ options: -O3 -rdynamic -lpthread -lrt -ldl -lnuma

FFmpeg 5.1.2

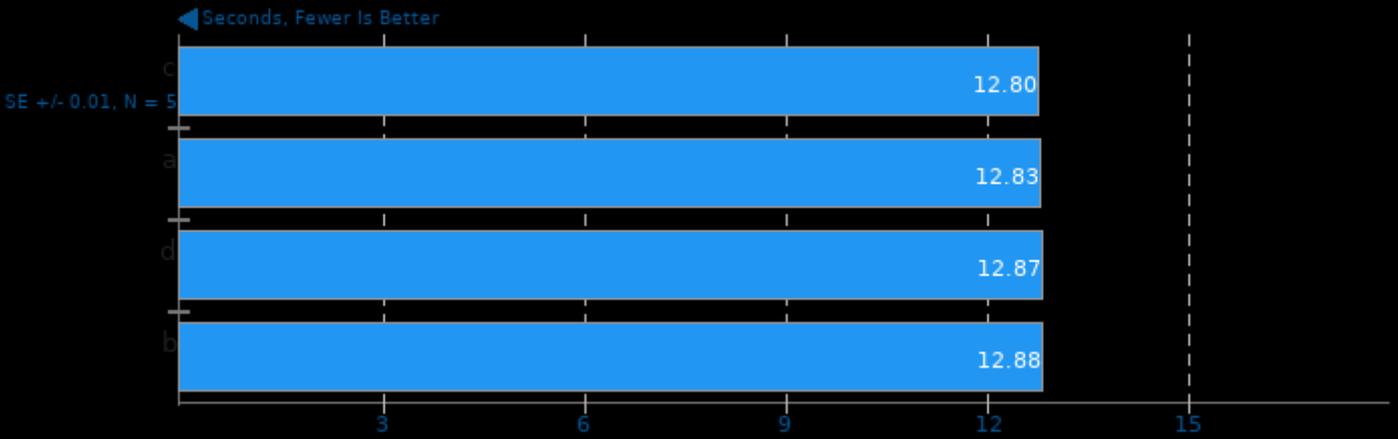
Encoder: libx265 - Scenario: Video On Demand



1. (CXX) g++ options: -O3 -rdynamic -lpthread -lrt -ldl -lnuma

FLAC Audio Encoding 1.4

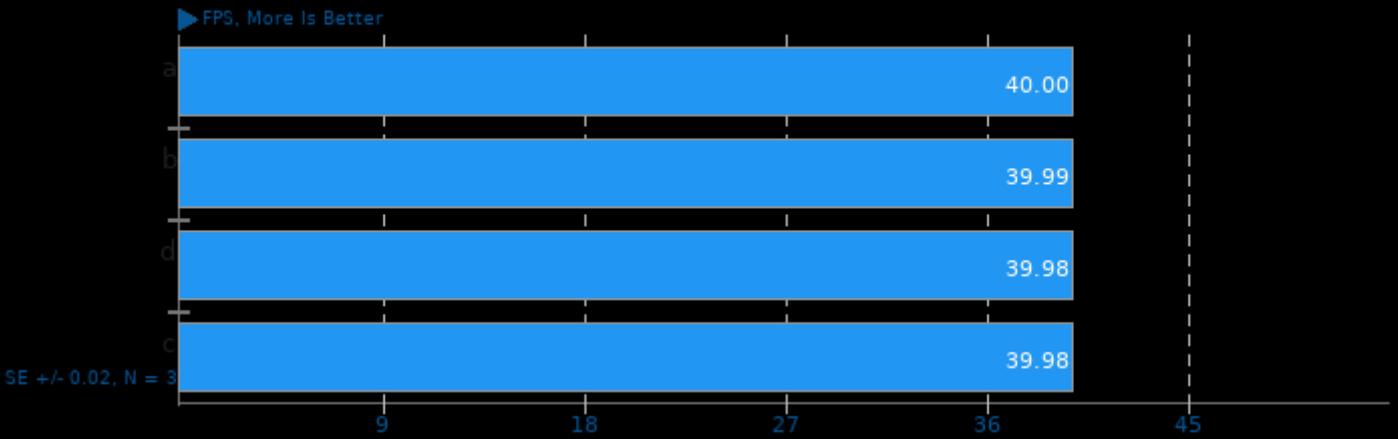
WAV To FLAC



1. (CXX) g++ options: -O3 -fvisibility=hidden -logg -lm

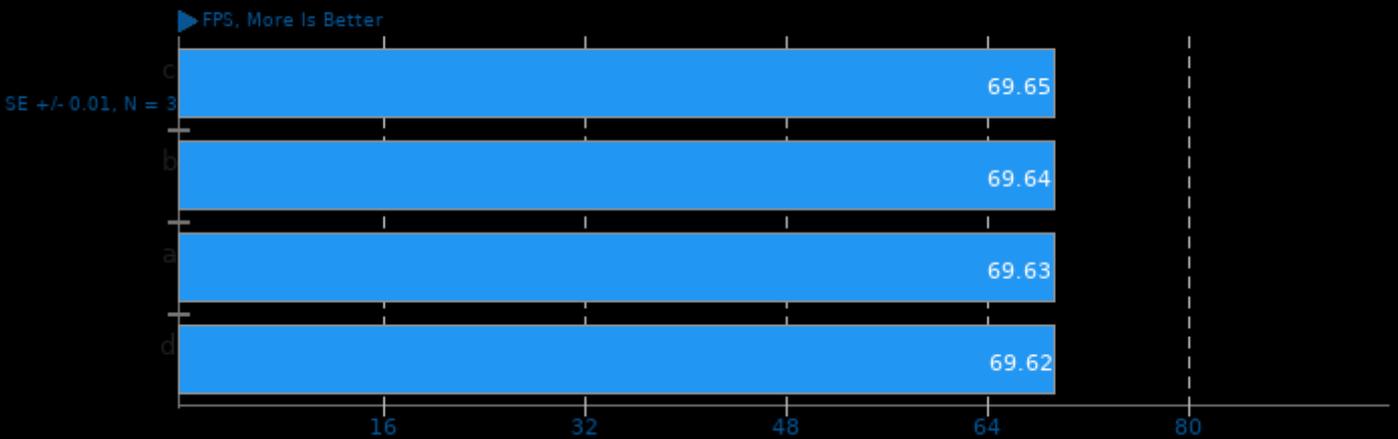
Libplacebo 5.229.1

Test: deband_heavy



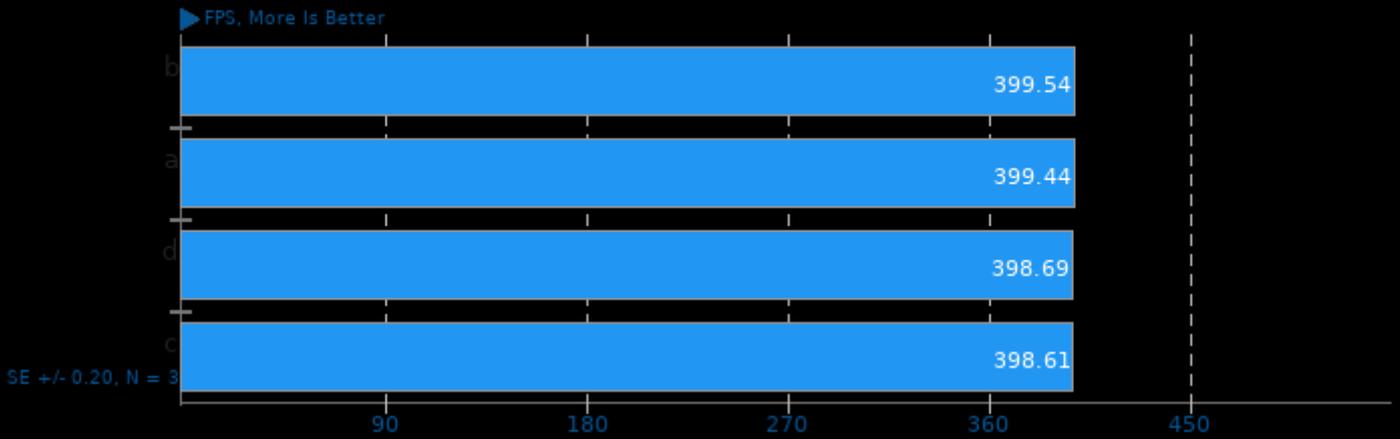
Libplacebo 5.229.1

Test: polar_nocompute



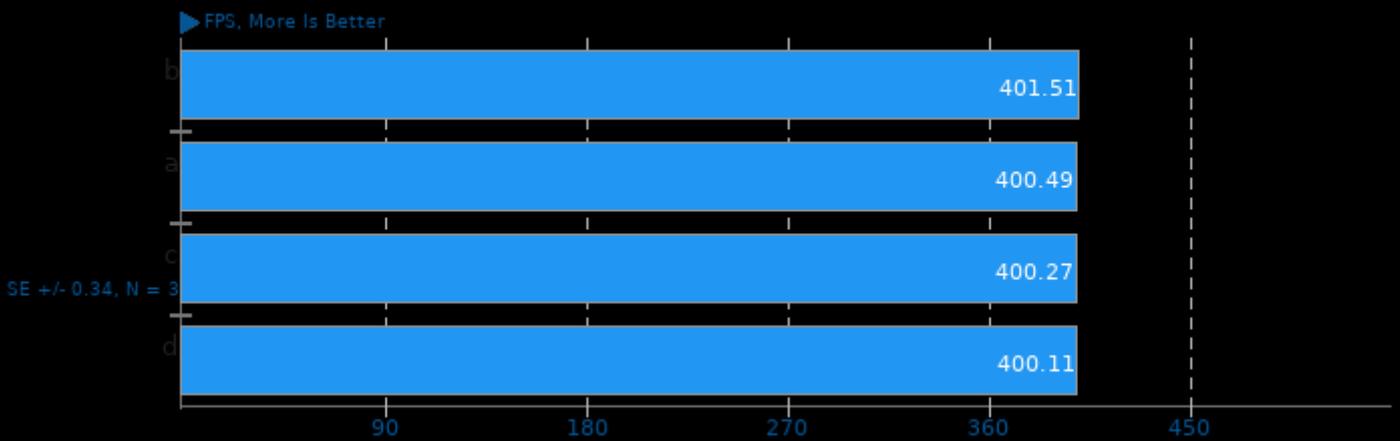
Libplacebo 5.229.1

Test: hdr_peakdetect



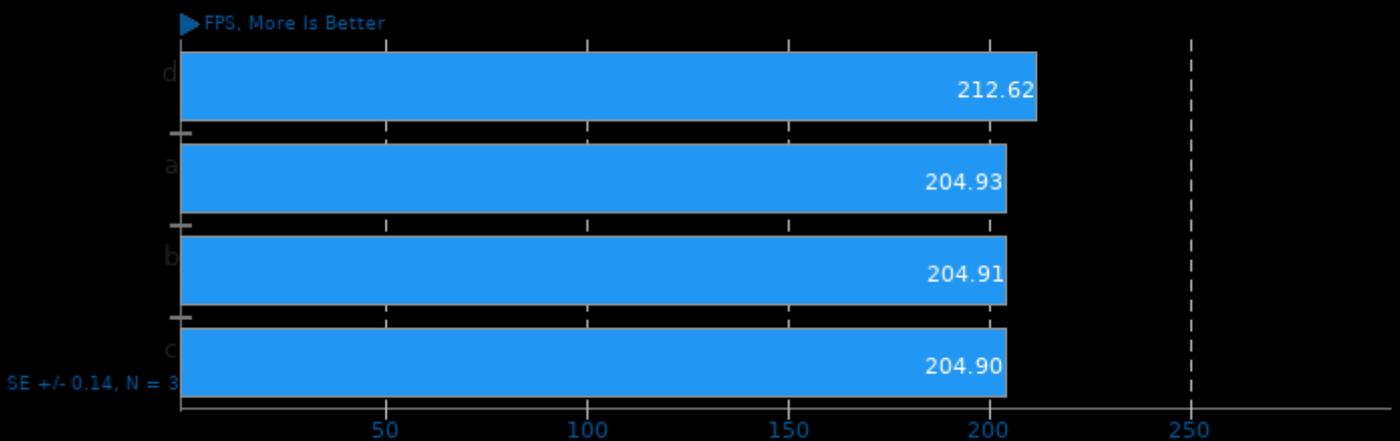
Libplacebo 5.229.1

Test: hdr_lut



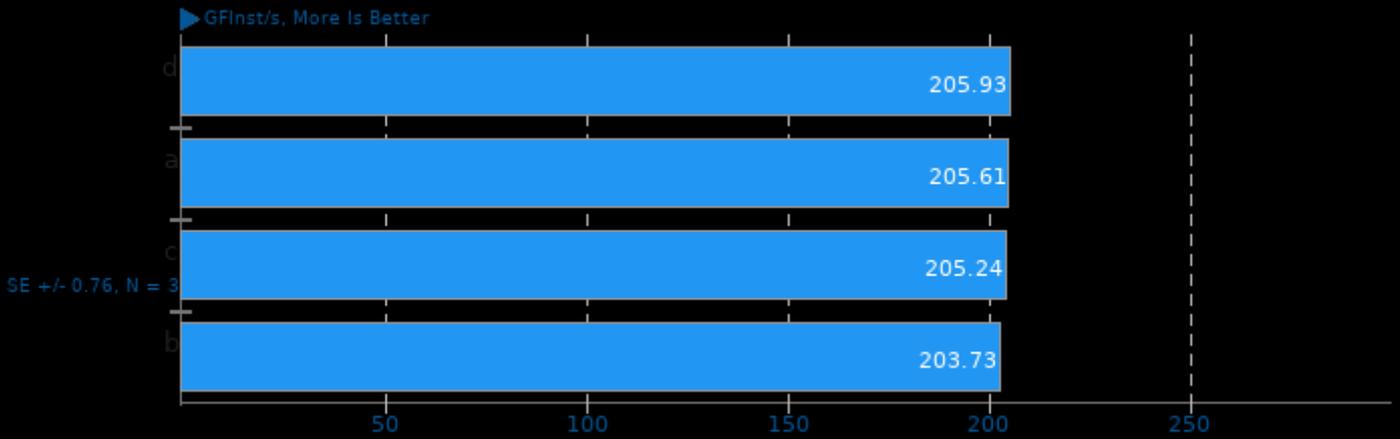
Libplacebo 5.229.1

Test: av1_grain_lap



miniBUDE 20210901

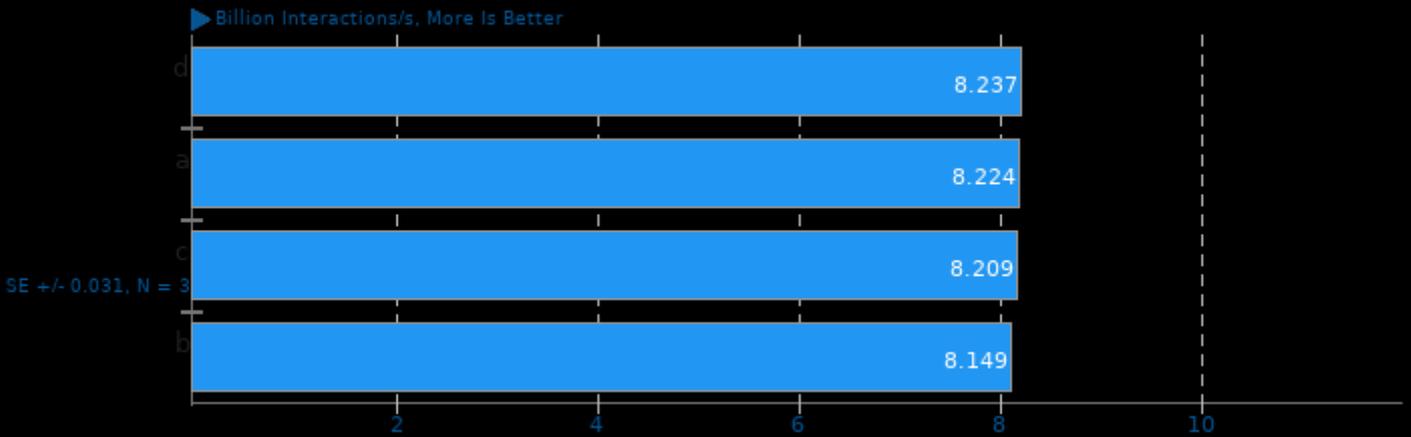
Implementation: OpenMP - Input Deck: BM1



1. (CC) gcc options: -std=c99 -Ofast -ffast-math -fopenmp -march=native -lm

miniBUDE 20210901

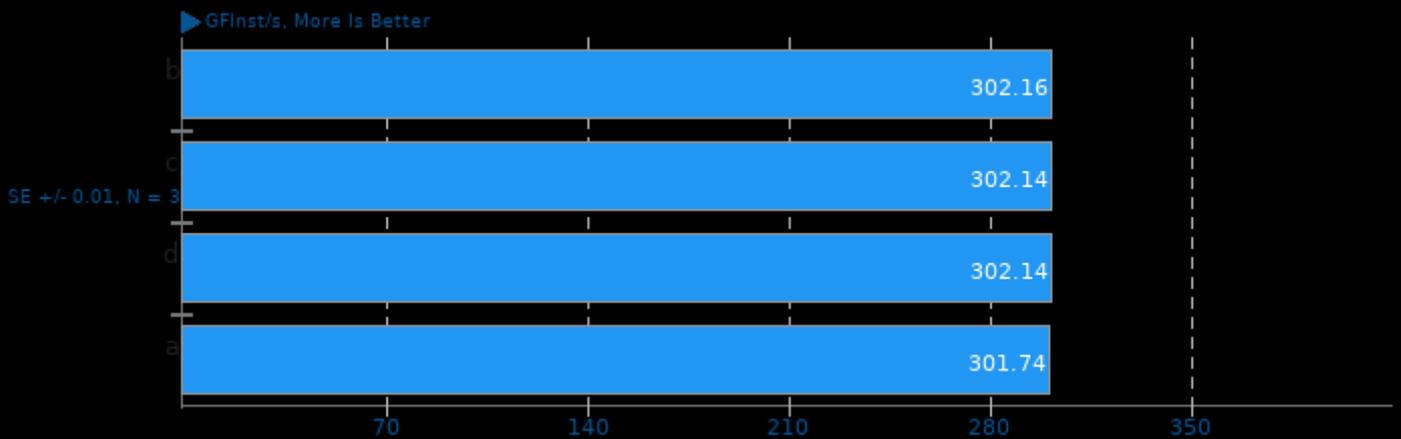
Implementation: OpenMP - Input Deck: BM1



1. (CC) gcc options: -std=c99 -Ofast -ffast-math -fopenmp -march=native -lm

miniBUDE 20210901

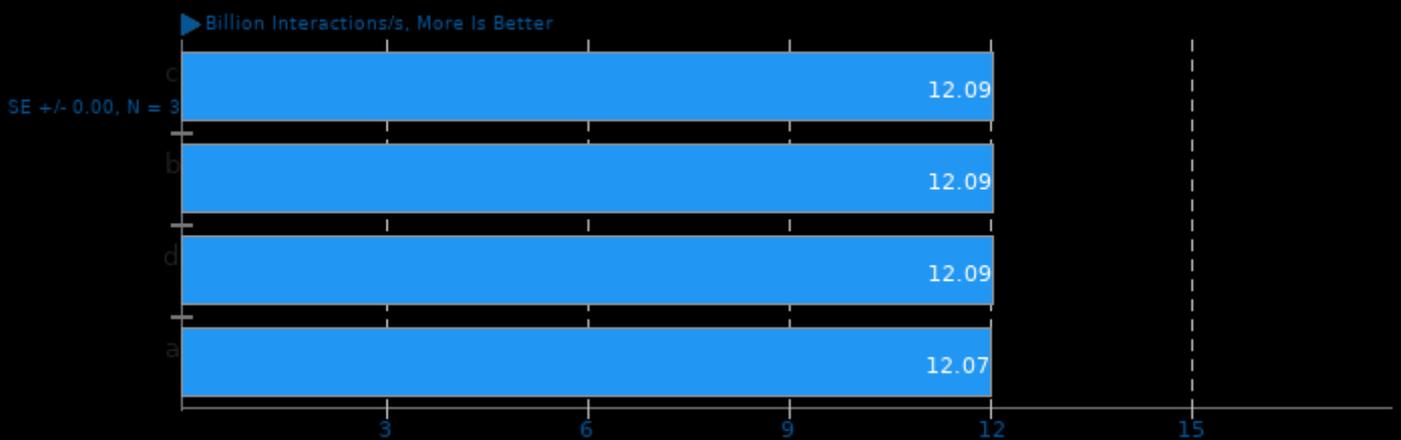
Implementation: OpenMP - Input Deck: BM2



1. (CC) gcc options: -std=c99 -Ofast -ffast-math -fopenmp -march=native -lm

miniBUDE 20210901

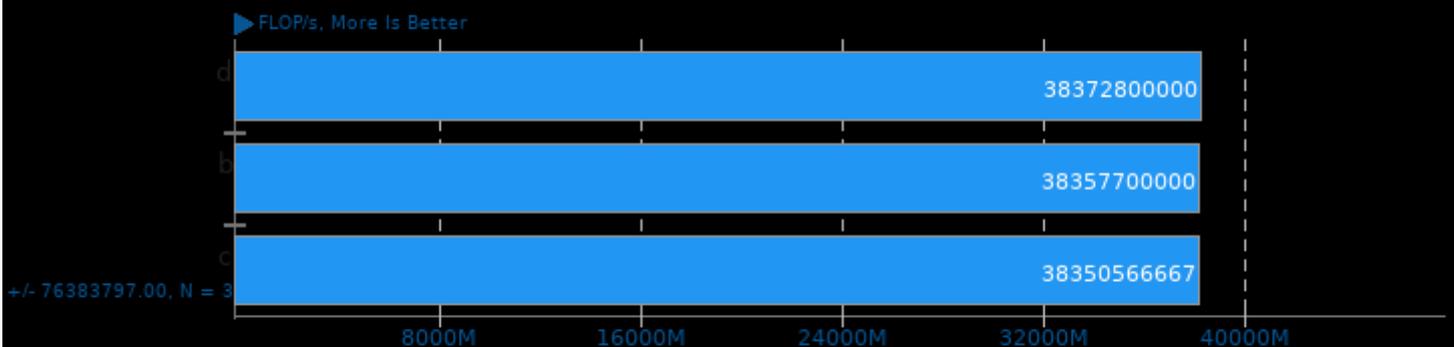
Implementation: OpenMP - Input Deck: BM2



1. (CC) gcc options: -std=c99 -Ofast -ffast-math -fopenmp -march=native -lm

nekRS 22.0

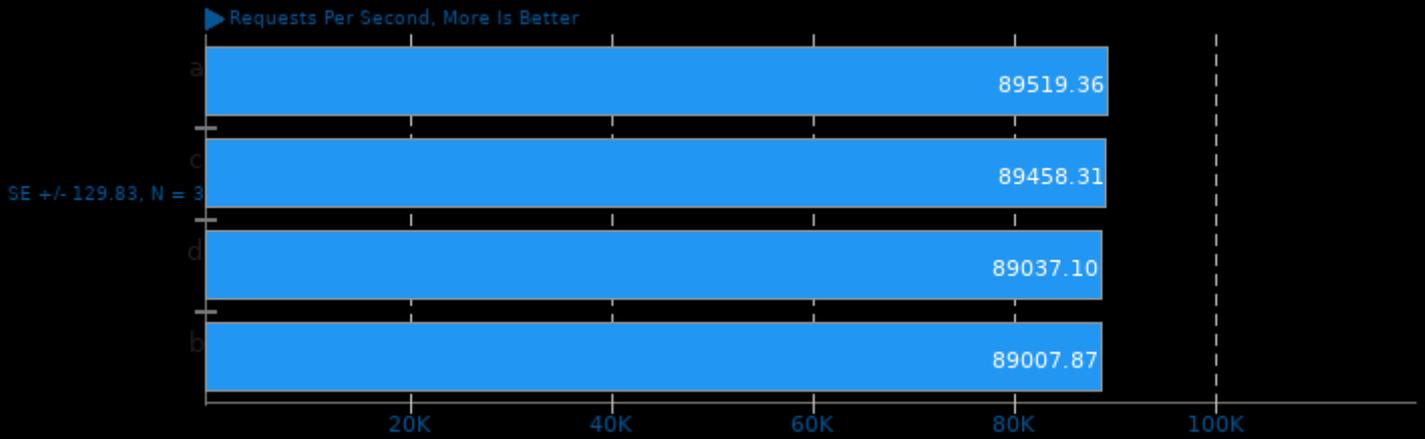
Input: TurboPipe Periodic



1. (CXX) g++ options: -fopenmp -O2 -march=native -mtune=native -ftree-vectorize -lmpi_cxx -lmpi

nginx 1.23.2

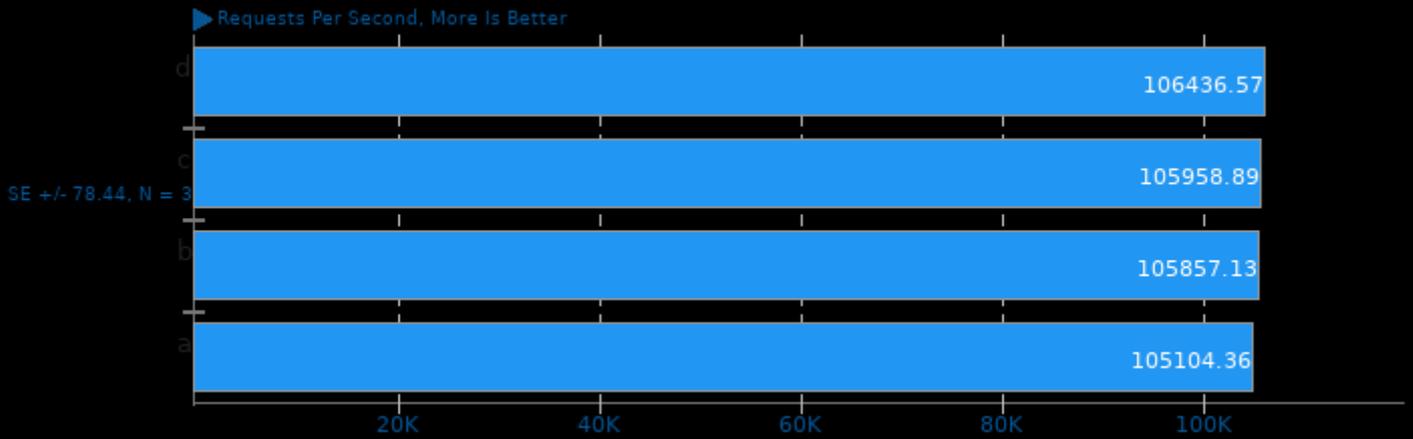
Connections: 20



1. (CC) gcc options: -flua-jit-5.1 -lm -lssl -lcrypto -lpthread -ldl -std=c99 -O2

nginx 1.23.2

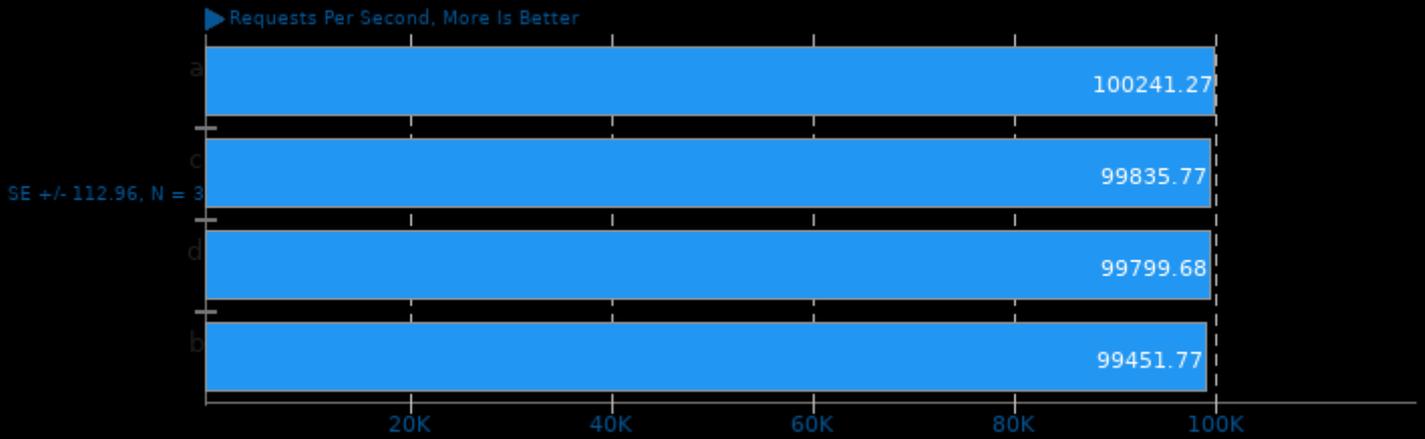
Connections: 100



1. (CC) gcc options: -flua-jit-5.1 -lm -lssl -lcrypto -lpthread -ldl -std=c99 -O2

nginx 1.23.2

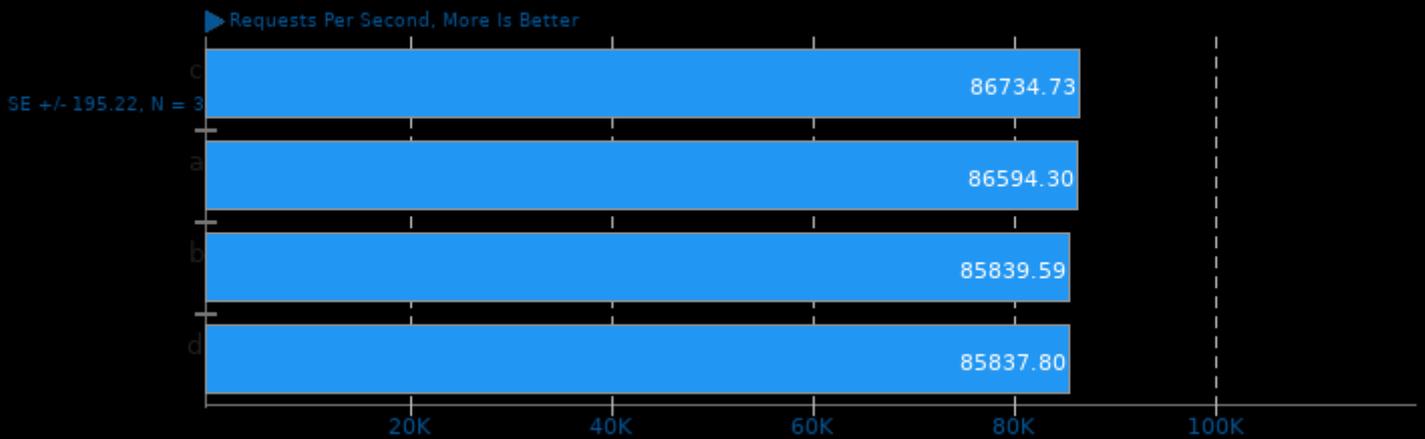
Connections: 200



1. (CC) gcc options: -flua-jit-5.1 -lm -lssl -lcrypto -lpthread -ldl -std=c99 -O2

nginx 1.23.2

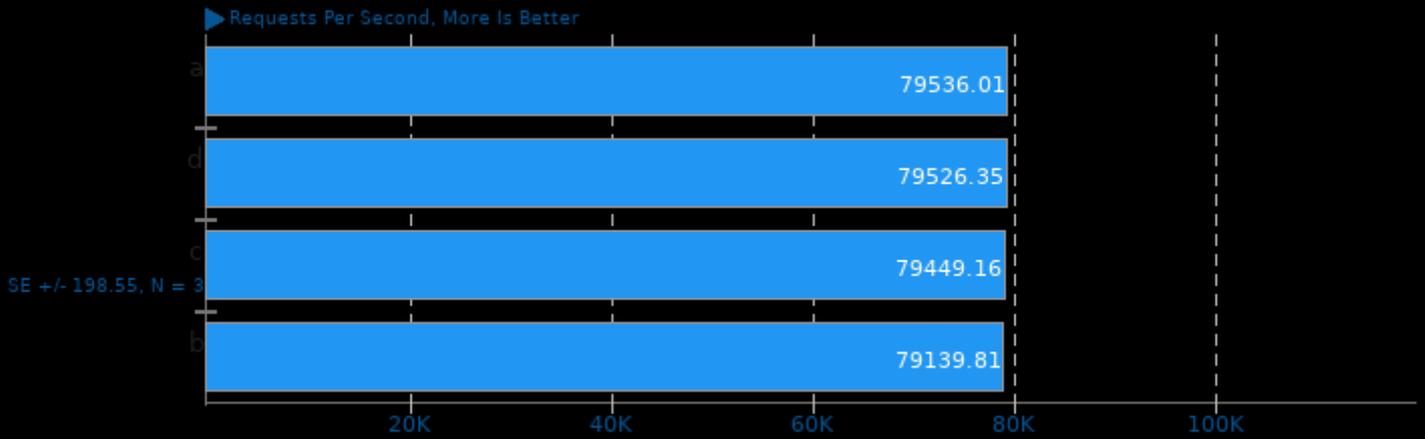
Connections: 500



1. (CC) gcc options: -flua-jit-5.1 -lm -lssl -lcrypto -lpthread -ldl -std=c99 -O2

nginx 1.23.2

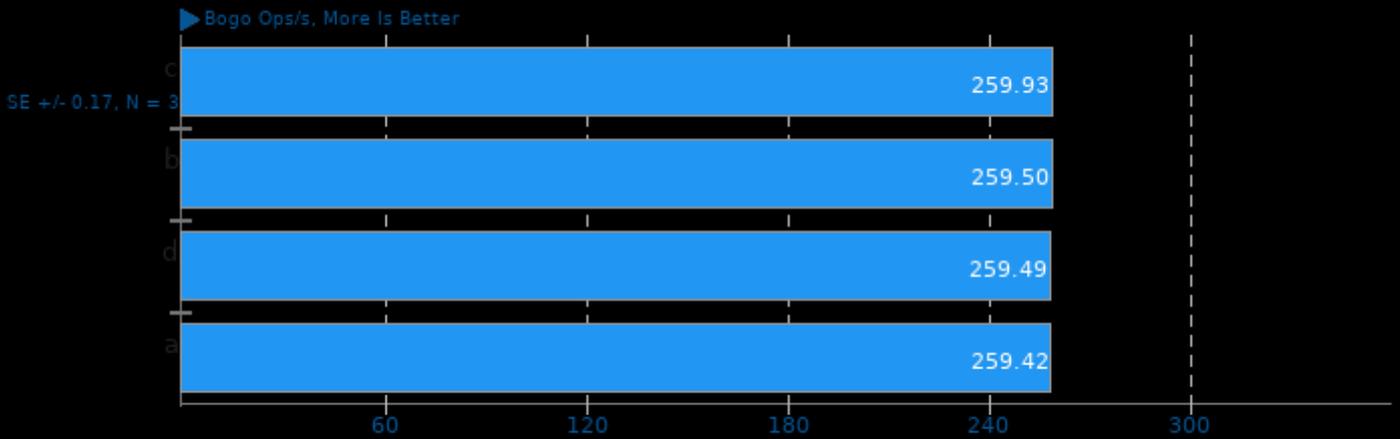
Connections: 1000



1. (CC) gcc options: -flua-jit-5.1 -lm -lssl -lcrypto -lpthread -ldl -std=c99 -O2

Stress-NG 0.14.06

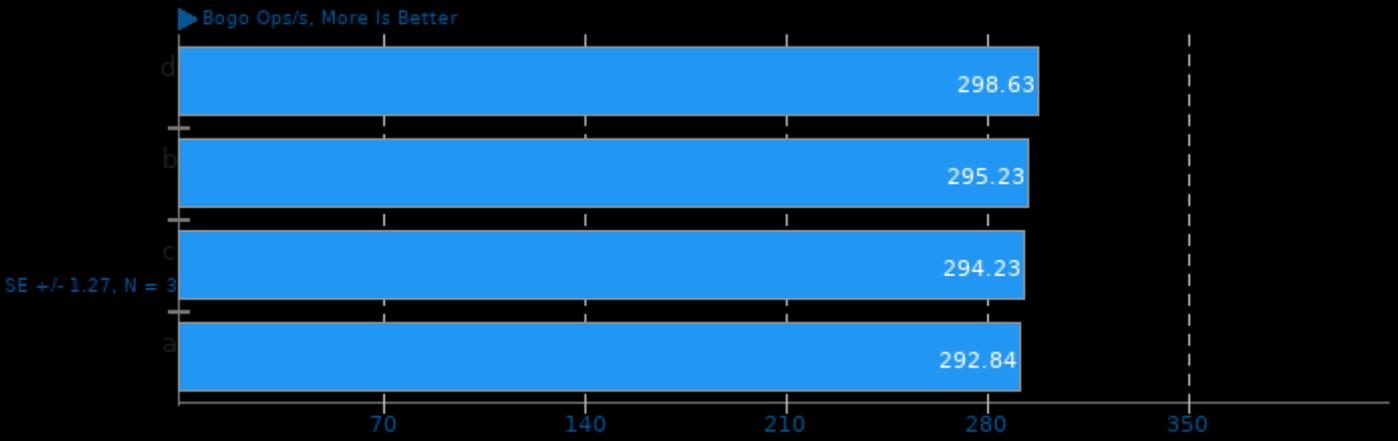
Test: MMAP



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-lid=gold -laio -lapparmor -latomic -lc -lcrypt -ldl -lEGL -lgbm -lGLESv2 -ljpeg -lrt -lsctp -lz -pthread

Stress-NG 0.14.06

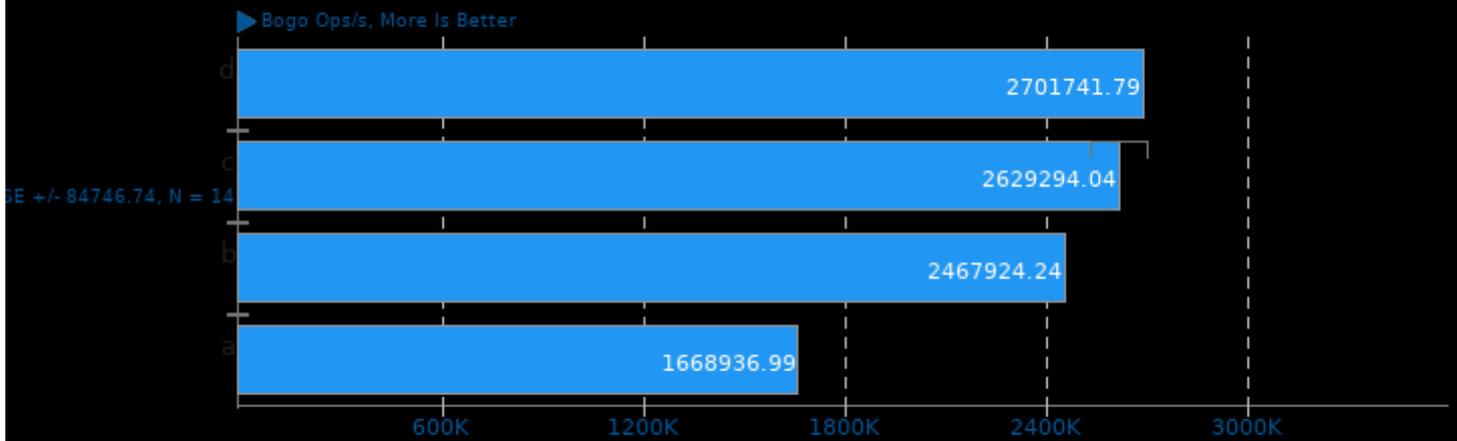
Test: NUMA



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -laio -lapparmor -latomic -lc -lcrypt -ldl -LEGL -lgbm -lGLESv2 -ljpeg -lrt -lsctp -lz -pthread

Stress-NG 0.14.06

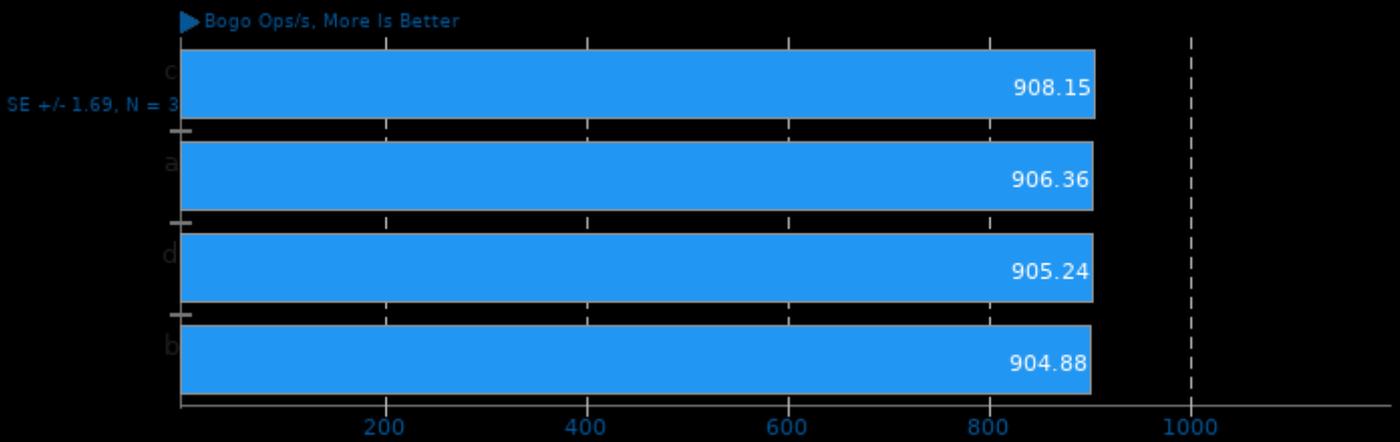
Test: Futex



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -laio -lapparmor -latomic -lc -lcrypt -ldl -LEGL -lgbm -lGLESv2 -ljpeg -lrt -lsctp -lz -pthread

Stress-NG 0.14.06

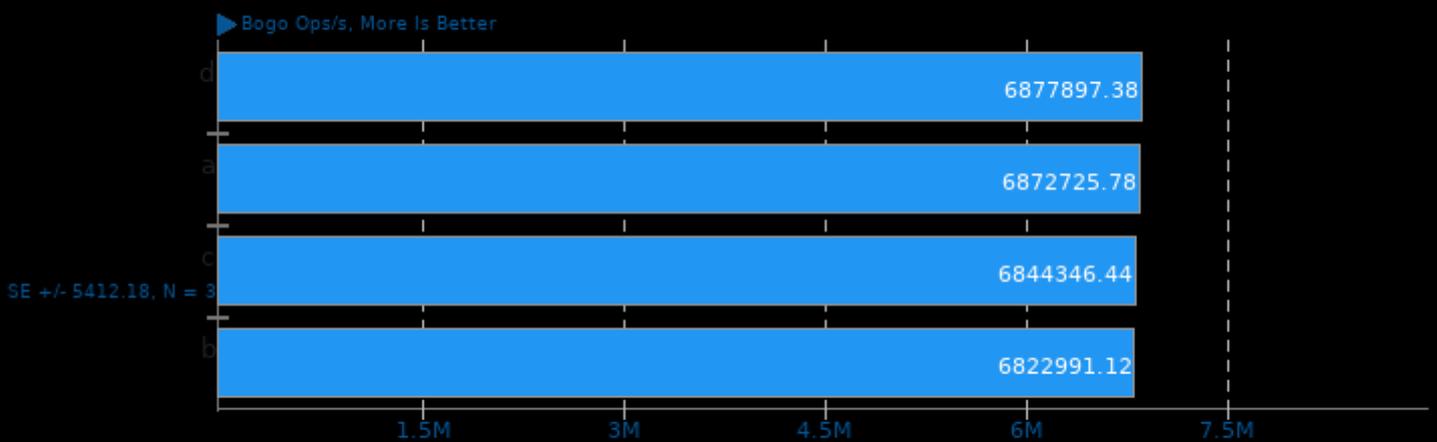
Test: MEMFD



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -laio -lapparmor -latomic -lc -lcrypt -ldl -IEGL -lgbm -IGLESv2 -ljpeg -lrt -lsctp -lz -pthread

Stress-NG 0.14.06

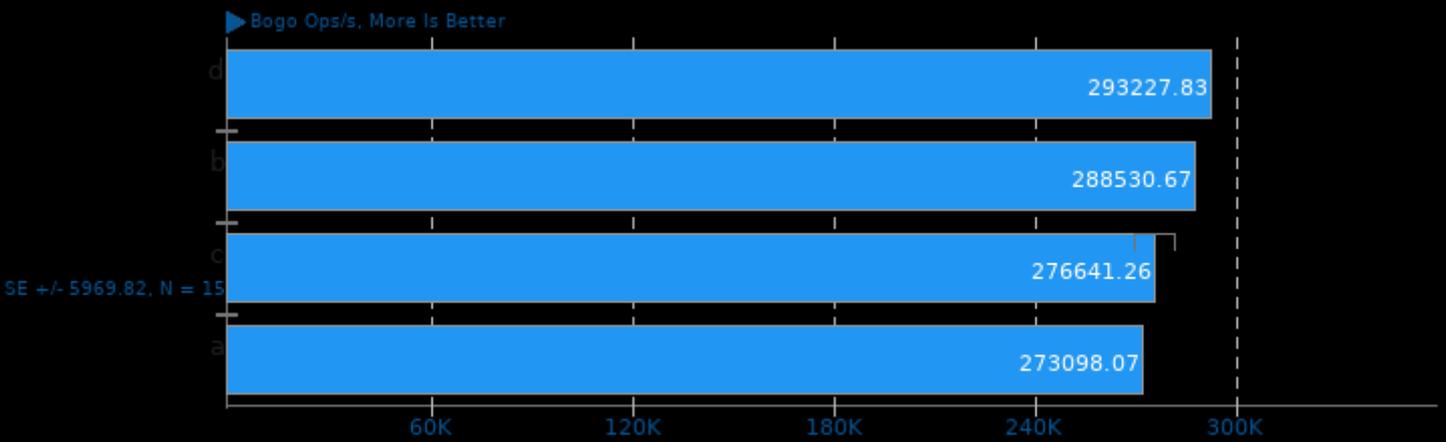
Test: Mutex



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -laio -lapparmor -latomic -lc -lcrypt -ldl -IEGL -lgbm -IGLESv2 -ljpeg -lrt -lsctp -lz -pthread

Stress-NG 0.14.06

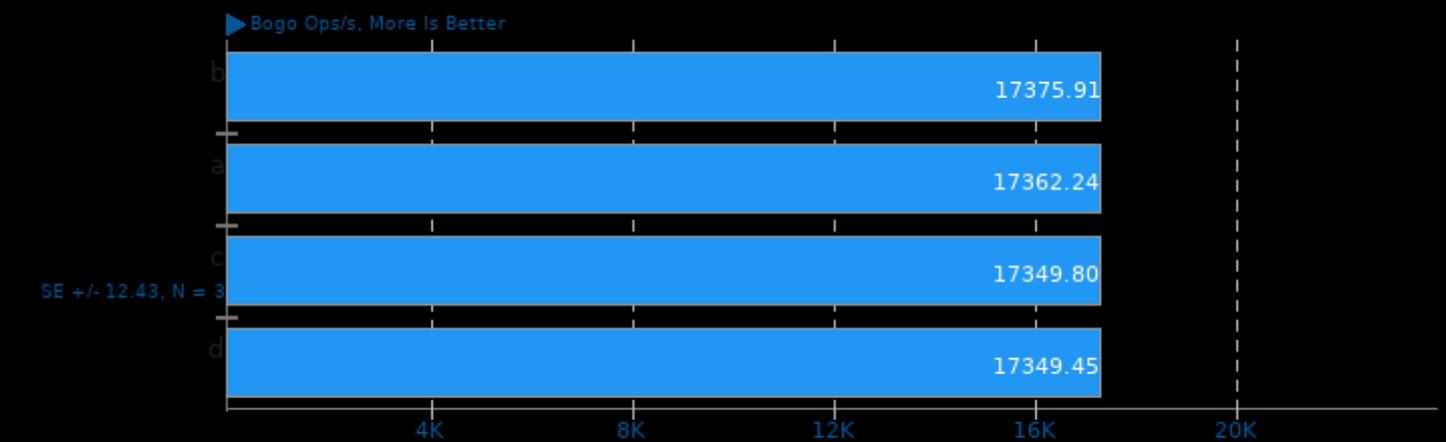
Test: Atomic



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-lld=gold -laio -lapparmor -latomic -lc -lcrypt -ldl -lEGL -lgbm -lGLESv2 -ljpeg -lrt -lsctp -lz -pthread

Stress-NG 0.14.06

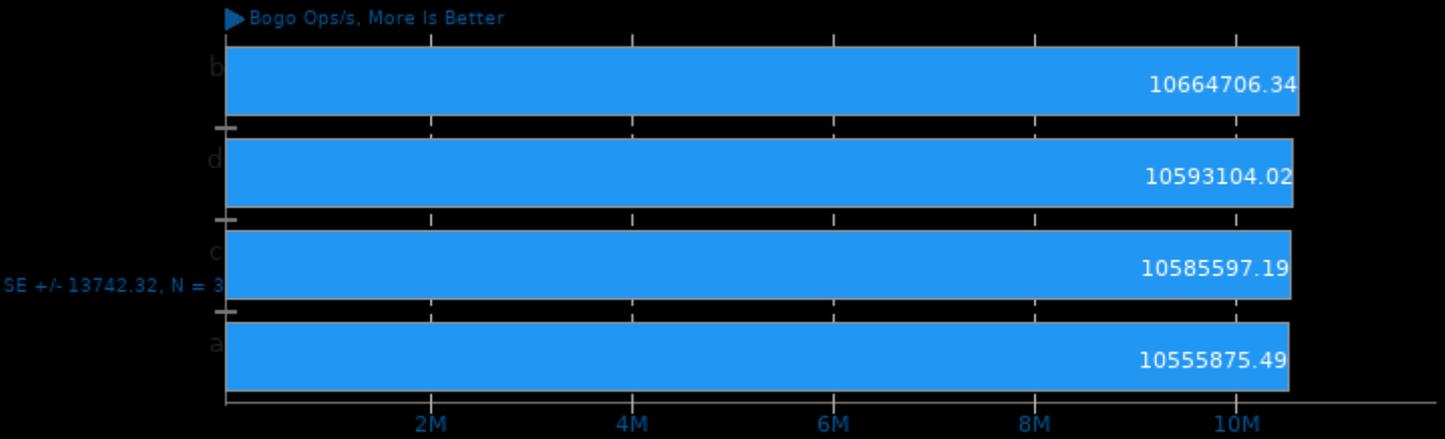
Test: Crypto



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-lld=gold -laio -lapparmor -latomic -lc -lcrypt -ldl -lEGL -lgbm -lGLESv2 -ljpeg -lrt -lsctp -lz -pthread

Stress-NG 0.14.06

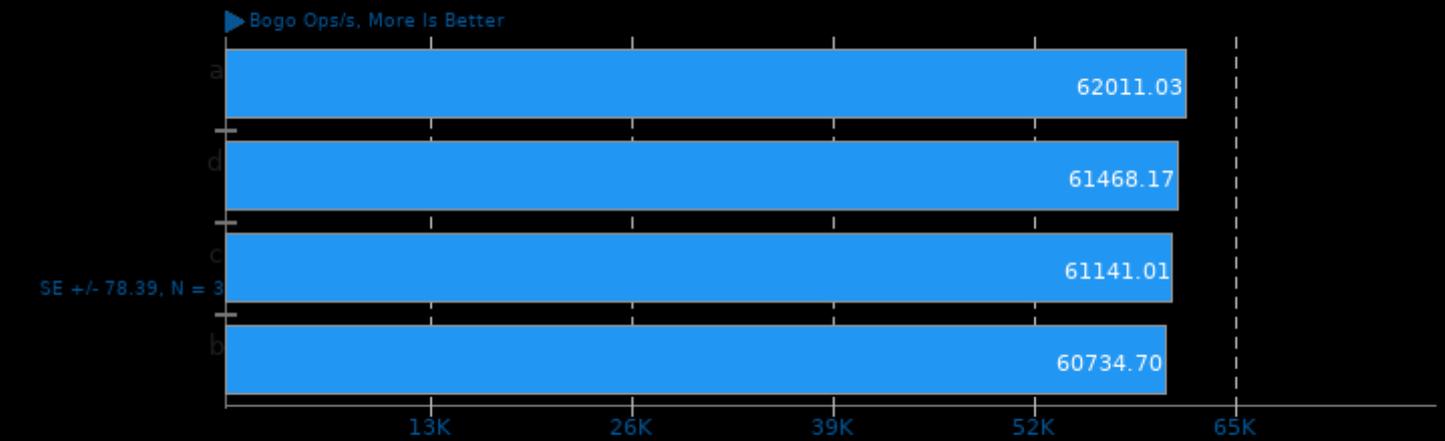
Test: Malloc



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -laio -lapparmor -latomic -lc -lcrypt -ldl -IEGL -lgbm -lGLESw2 -ljpeg -lrt -lsctp -lz -pthread

Stress-NG 0.14.06

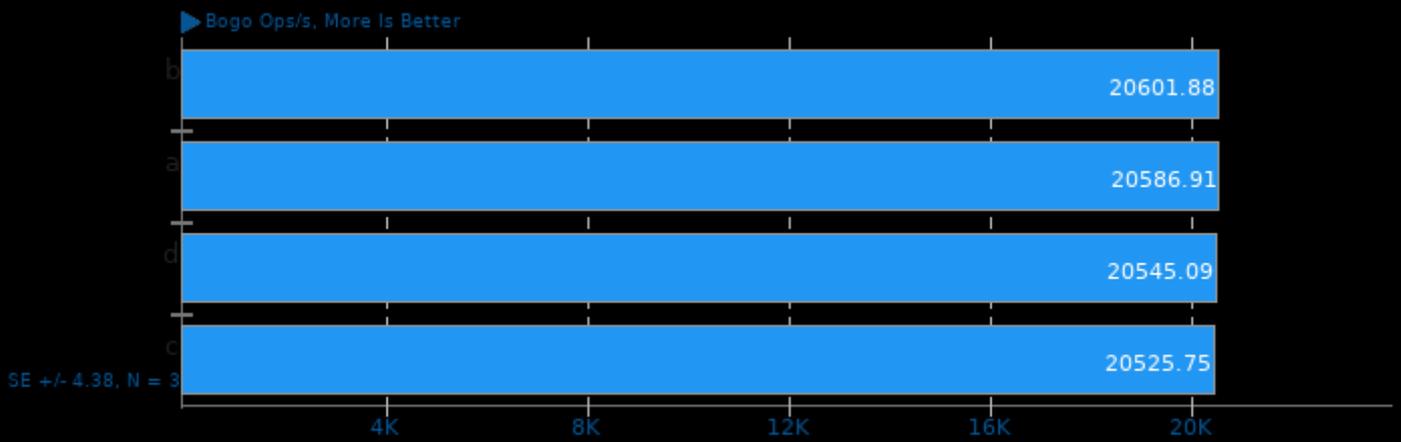
Test: Forking



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -laio -lapparmor -latomic -lc -lcrypt -ldl -IEGL -lgbm -lGLESw2 -ljpeg -lrt -lsctp -lz -pthread

Stress-NG 0.14.06

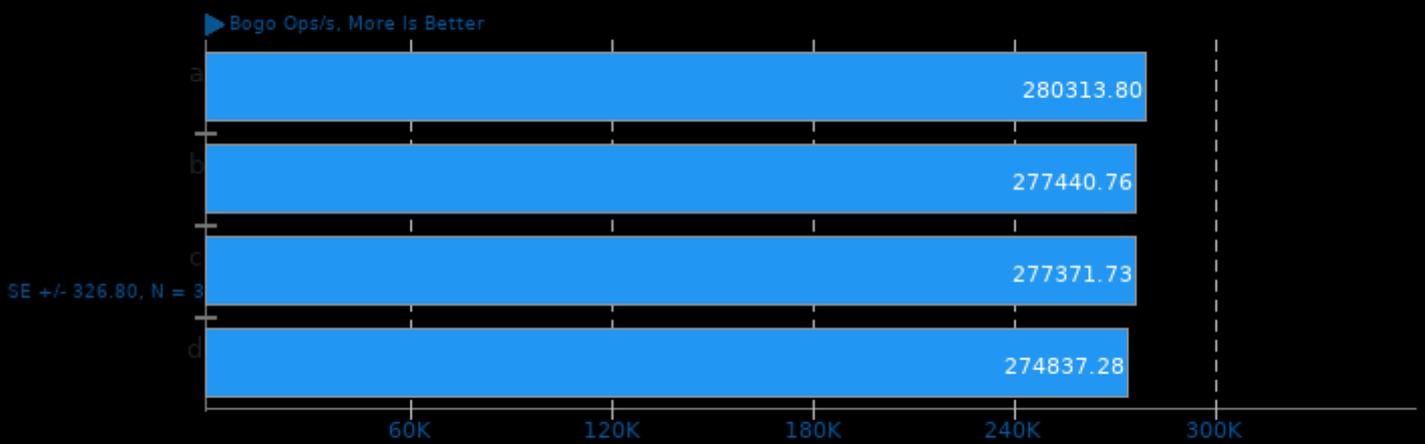
Test: IO_uring



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -laio -lapparmor -latomic -lc -lcrypt -ldl -LEGGL -lgbm -lGLESV2 -ljpeg -lrt -lsctp -lz -pthread

Stress-NG 0.14.06

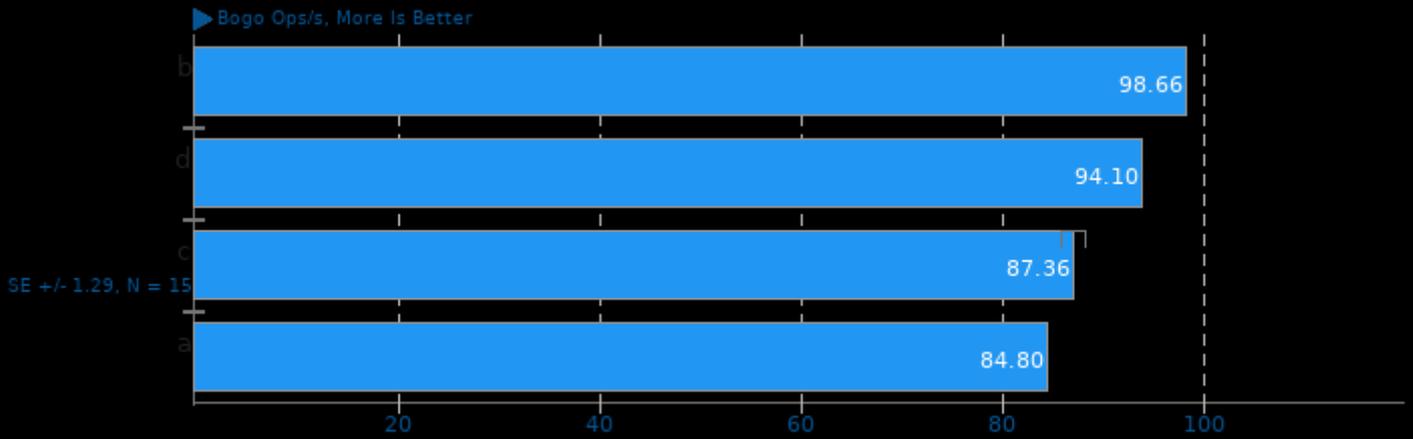
Test: SENDFILE



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -laio -lapparmor -latomic -lc -lcrypt -ldl -LEGGL -lgbm -lGLESV2 -ljpeg -lrt -lsctp -lz -pthread

Stress-NG 0.14.06

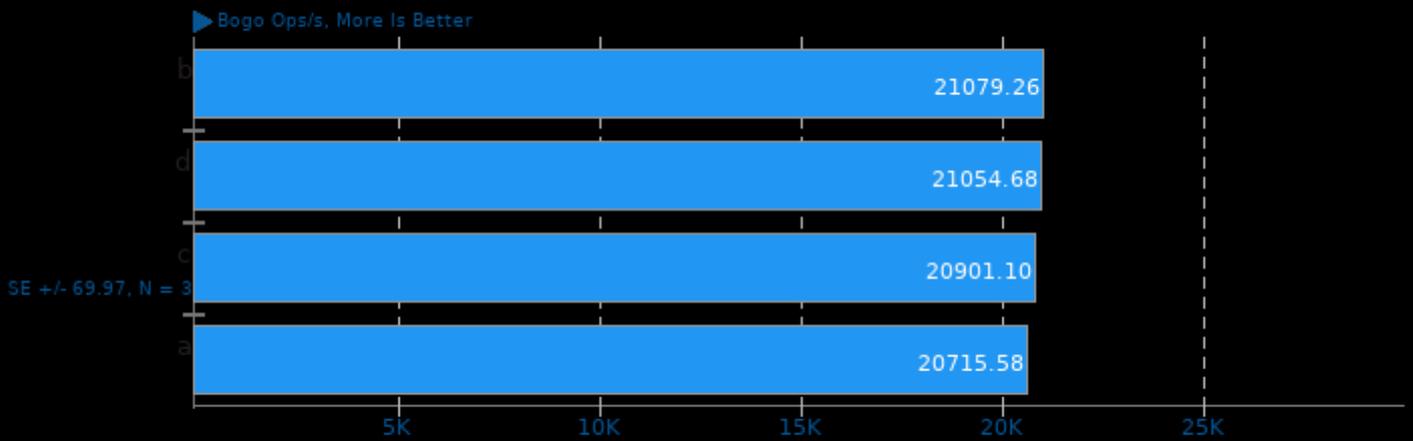
Test: CPU Cache



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -laio -lapparmor -latomic -lc -lcrypt -ldl -IEGL -lgbm -IGLESv2 -ljpeg -lrt -lsctp -lz -pthread

Stress-NG 0.14.06

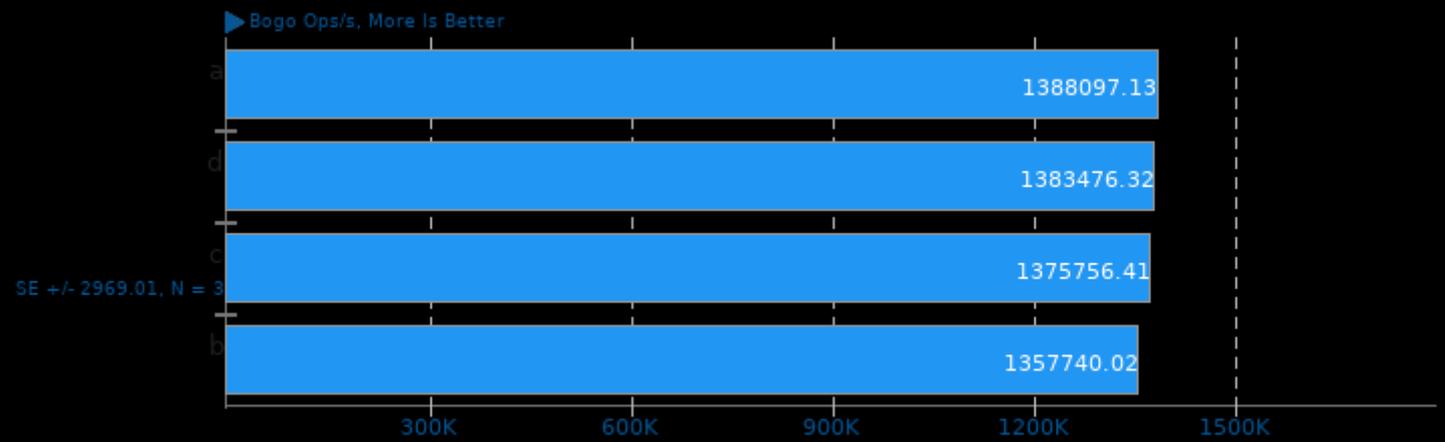
Test: CPU Stress



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -laio -lapparmor -latomic -lc -lcrypt -ldl -IEGL -lgbm -IGLESv2 -ljpeg -lrt -lsctp -lz -pthread

Stress-NG 0.14.06

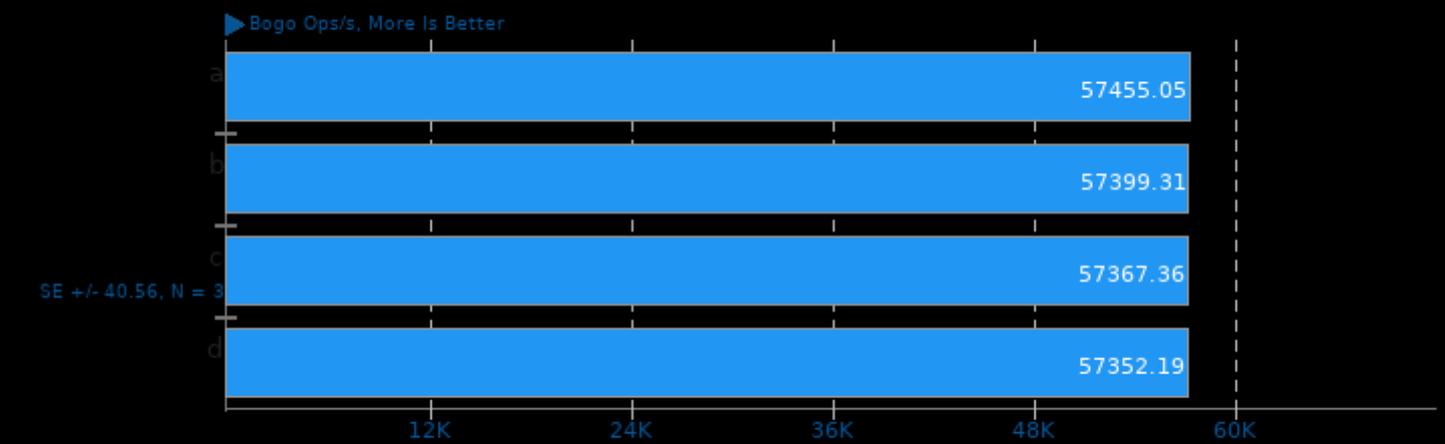
Test: Semaphores



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-lld=gold -laio -lapparmor -latomic -lc -lcrypt -ldl -IEGL -lgbm -lGLESv2 -ljpeg -lrt -lsctp -lz -pthread

Stress-NG 0.14.06

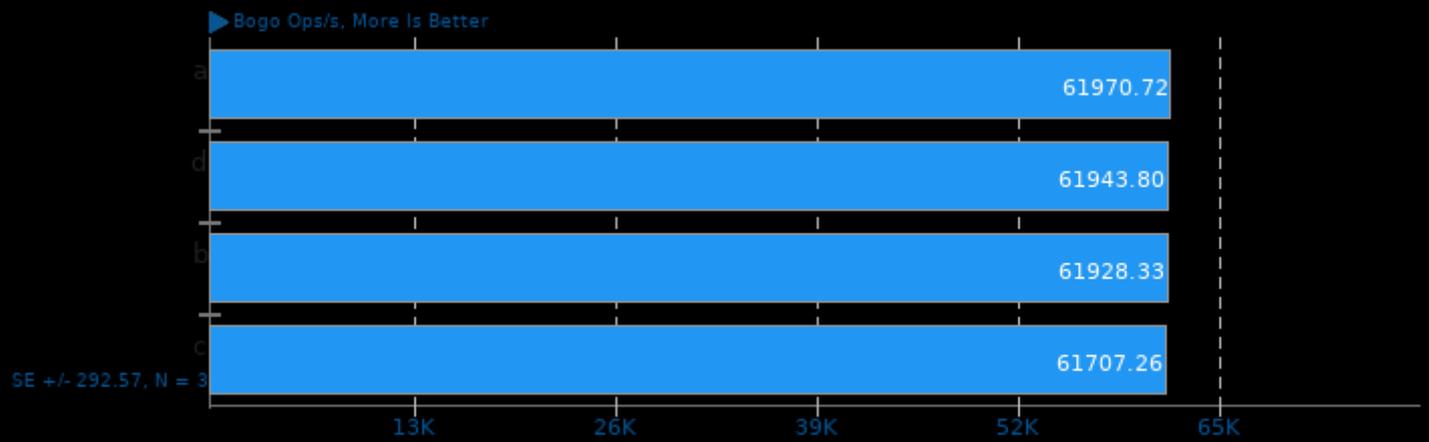
Test: Matrix Math



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-lld=gold -laio -lapparmor -latomic -lc -lcrypt -ldl -IEGL -lgbm -lGLESv2 -ljpeg -lrt -lsctp -lz -pthread

Stress-NG 0.14.06

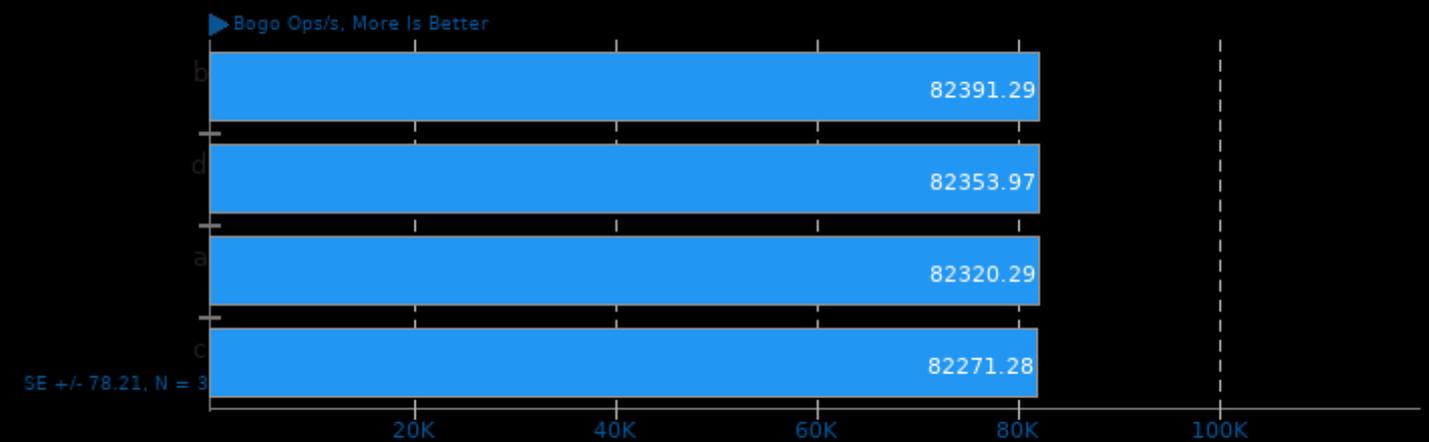
Test: Vector Math



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-lld=gold -laio -lapparmor -latomic -lc -lcrypt -ldl -fEGL -lgbm -lGLESv2 -ljpeg -lrt -lsctp -lz -pthread

Stress-NG 0.14.06

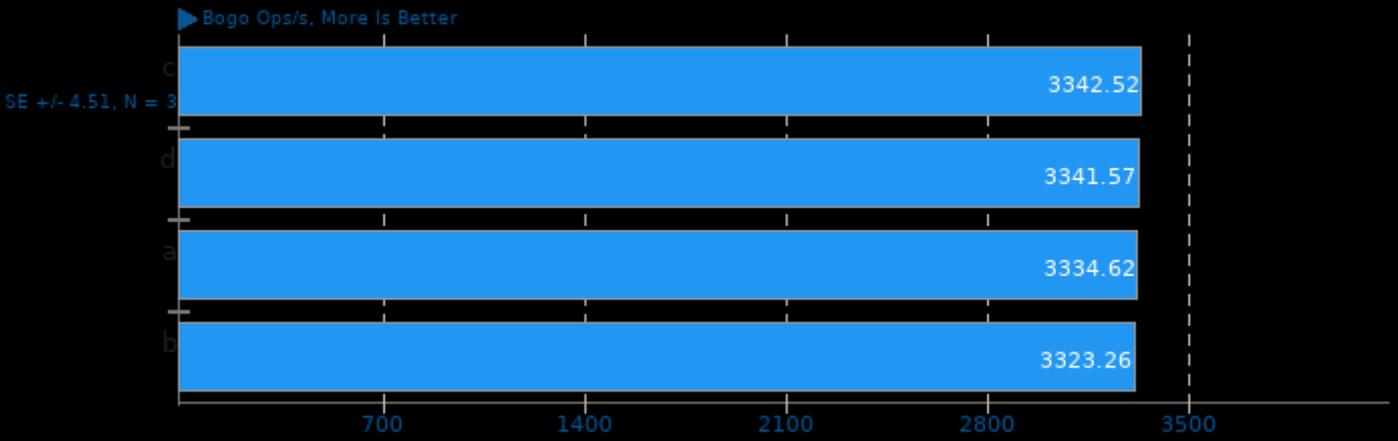
Test: x86_64 RdRand



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-lld=gold -laio -lapparmor -latomic -lc -lcrypt -ldl -fEGL -lgbm -lGLESv2 -ljpeg -lrt -lsctp -lz -pthread

Stress-NG 0.14.06

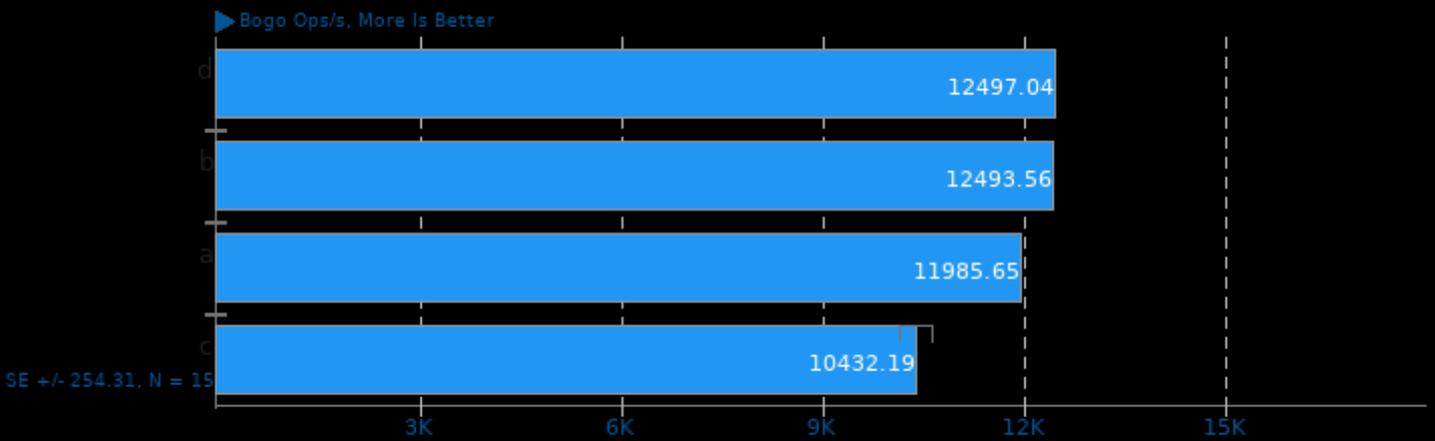
Test: Memory Copying



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -laio -lapparmor -latomic -lc -lcrypt -ldl -LEGL -lgbm -lGLESv2 -ljpeg -lrt -lsctp -lz -pthread

Stress-NG 0.14.06

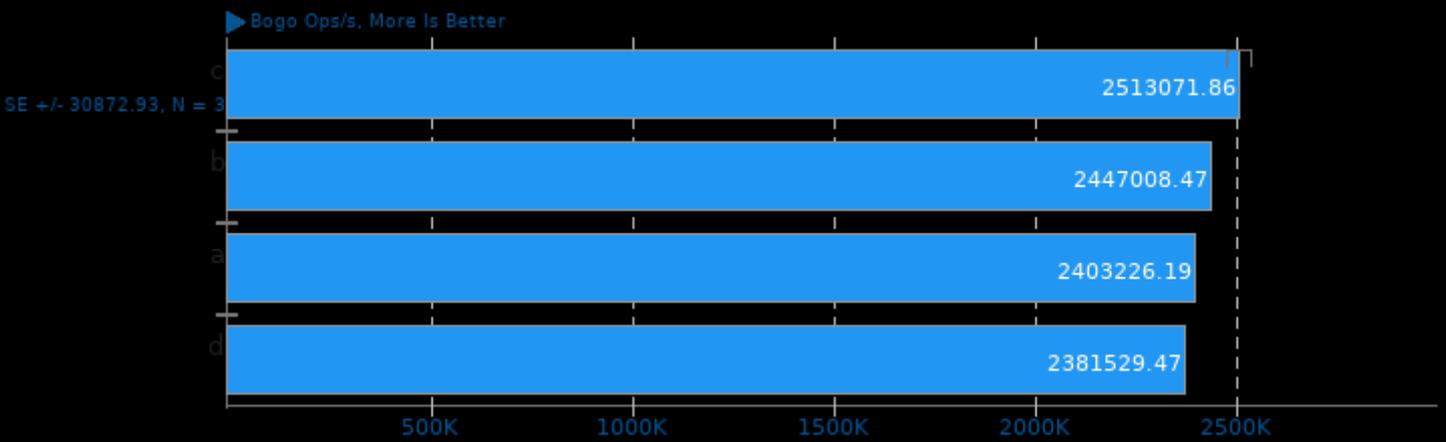
Test: Socket Activity



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-ld=gold -laio -lapparmor -latomic -lc -lcrypt -ldl -LEGL -lgbm -lGLESv2 -ljpeg -lrt -lsctp -lz -pthread

Stress-NG 0.14.06

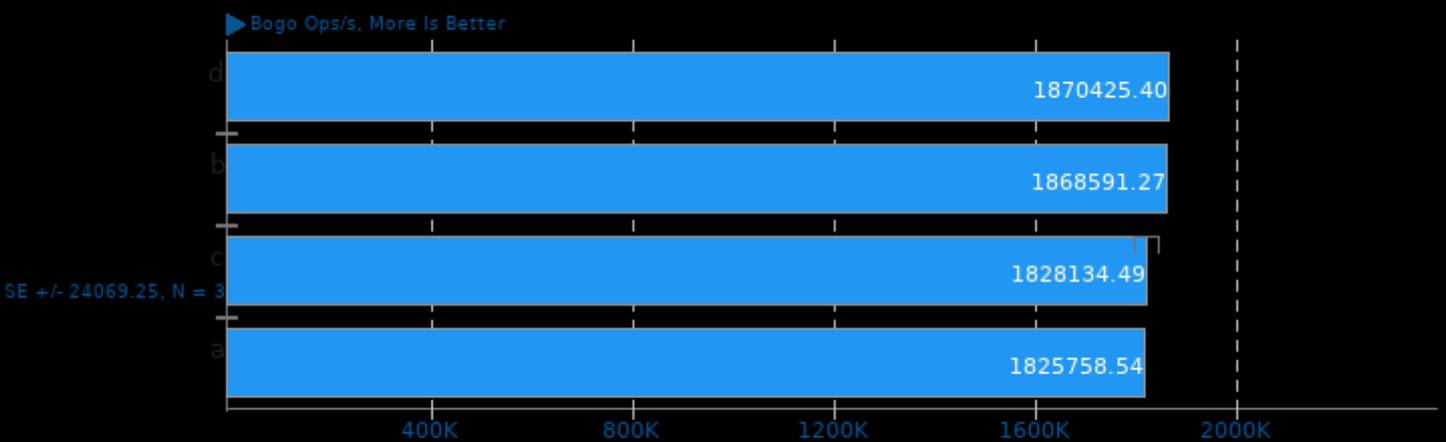
Test: Context Switching



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-lld=gold -laio -lapparmor -latomic -lc -lcrypt -ldl -lEGL -lgbm -lGLESv2 -ljpeg -lrt -lsctp -lz -pthread

Stress-NG 0.14.06

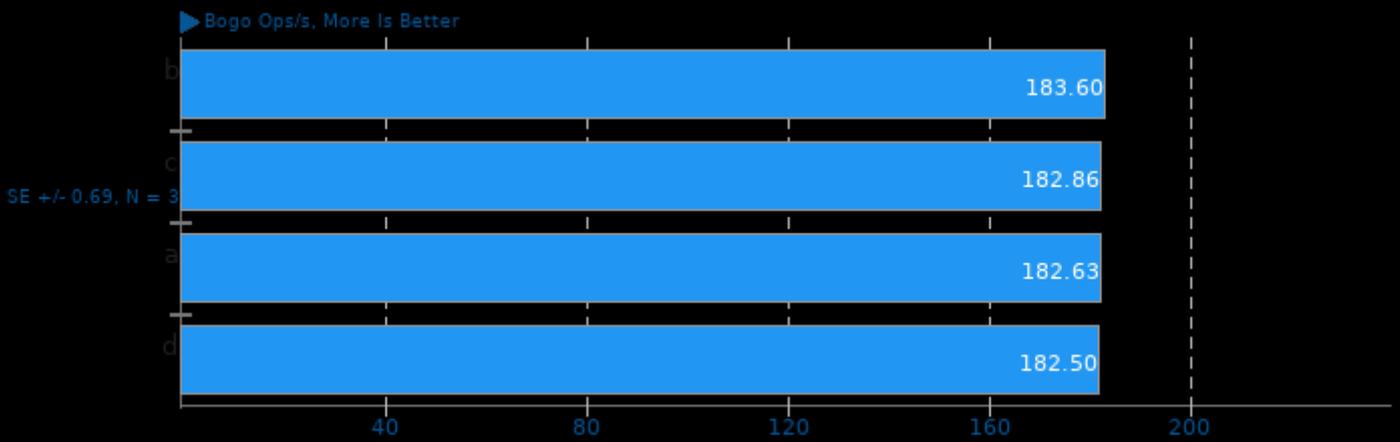
Test: Glibc C String Functions



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-lld=gold -laio -lapparmor -latomic -lc -lcrypt -ldl -lEGL -lgbm -lGLESv2 -ljpeg -lrt -lsctp -lz -pthread

Stress-NG 0.14.06

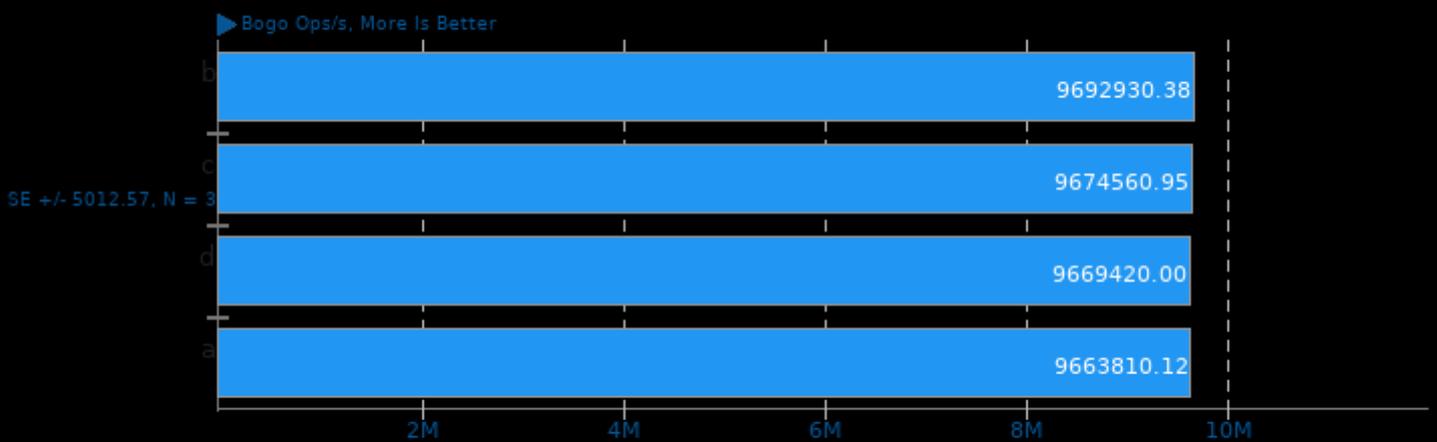
Test: Glibc Qsort Data Sorting



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-lld=gold -laio -lapparmor -latomic -lc -lcrypt -ldl -lEGL -lgbm -lGLESv2 -ljpeg -lrt -lsctp -lz -pthread

Stress-NG 0.14.06

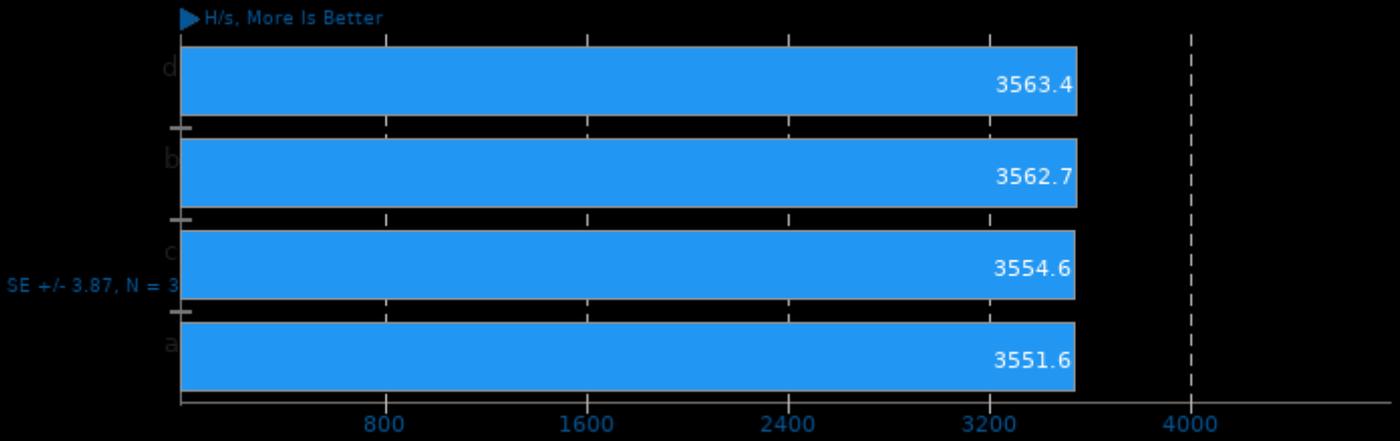
Test: System V Message Passing



1. (CC) gcc options: -O2 -std=gnu99 -lm -fuse-lld=gold -laio -lapparmor -latomic -lc -lcrypt -ldl -lEGL -lgbm -lGLESv2 -ljpeg -lrt -lsctp -lz -pthread

Xmrig 6.18.1

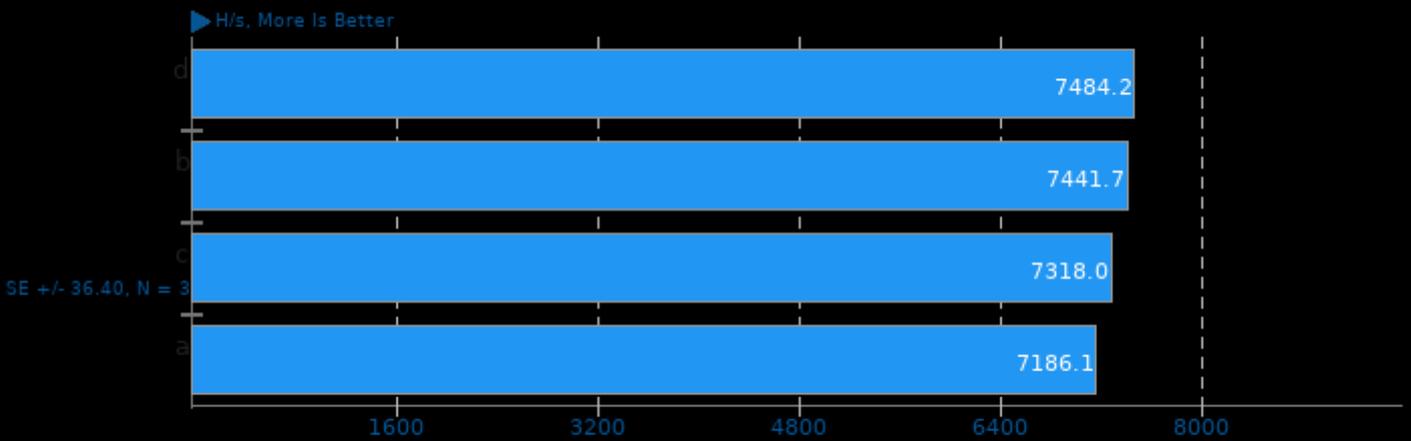
Variant: Monero - Hash Count: 1M



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

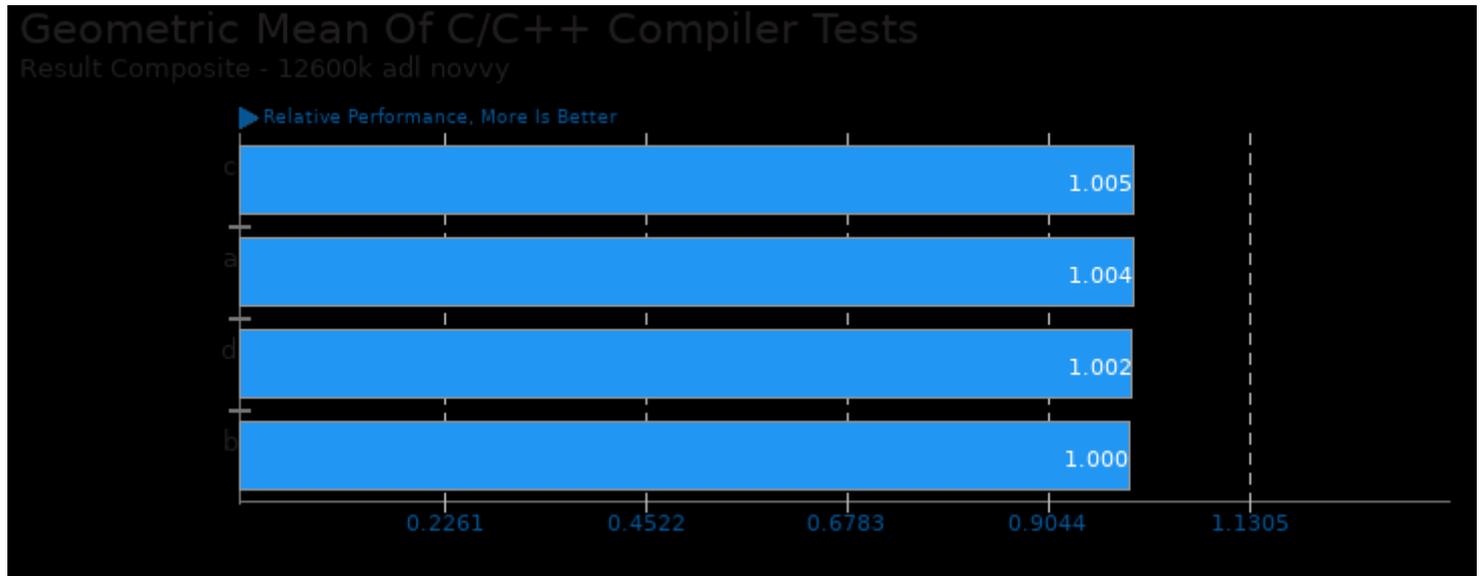
Xmrig 6.18.1

Variant: Wownero - Hash Count: 1M

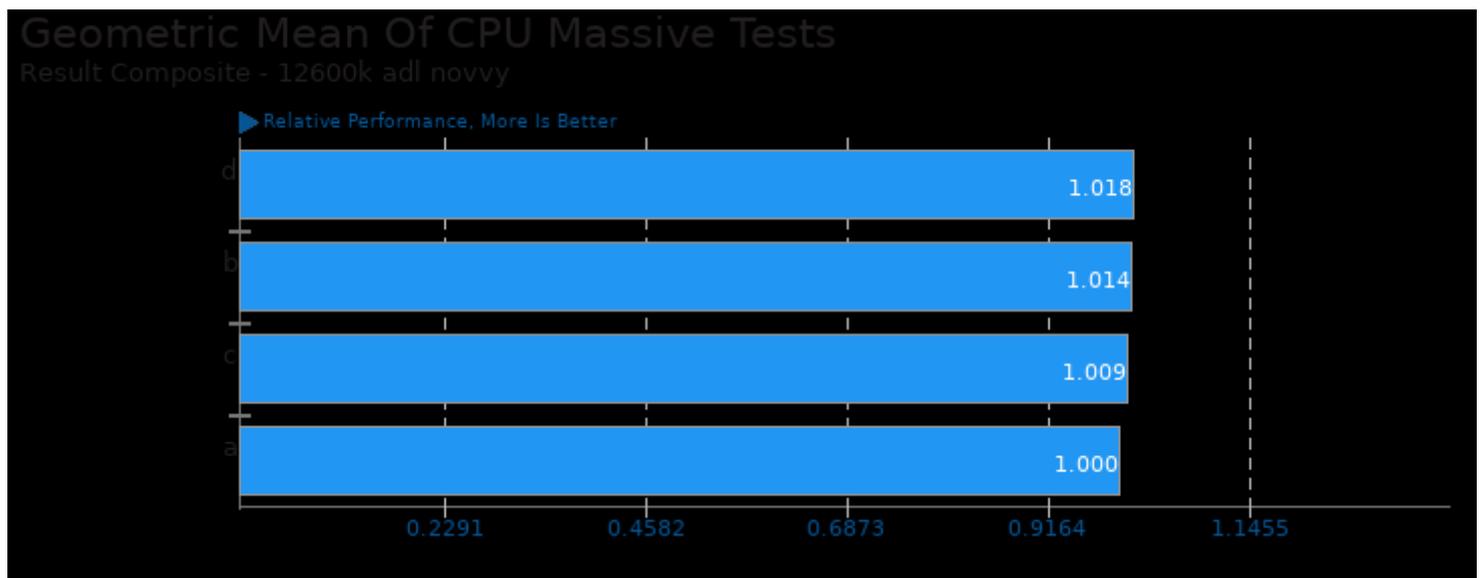


1. (CXX) g++ options: -fexceptions -fno-rtti -maes -O3 -Ofast -static-libgcc -static-libstdc++ -rdynamic -lssl -lcrypto -luv -lpthread -lrt -ldl -hwloc

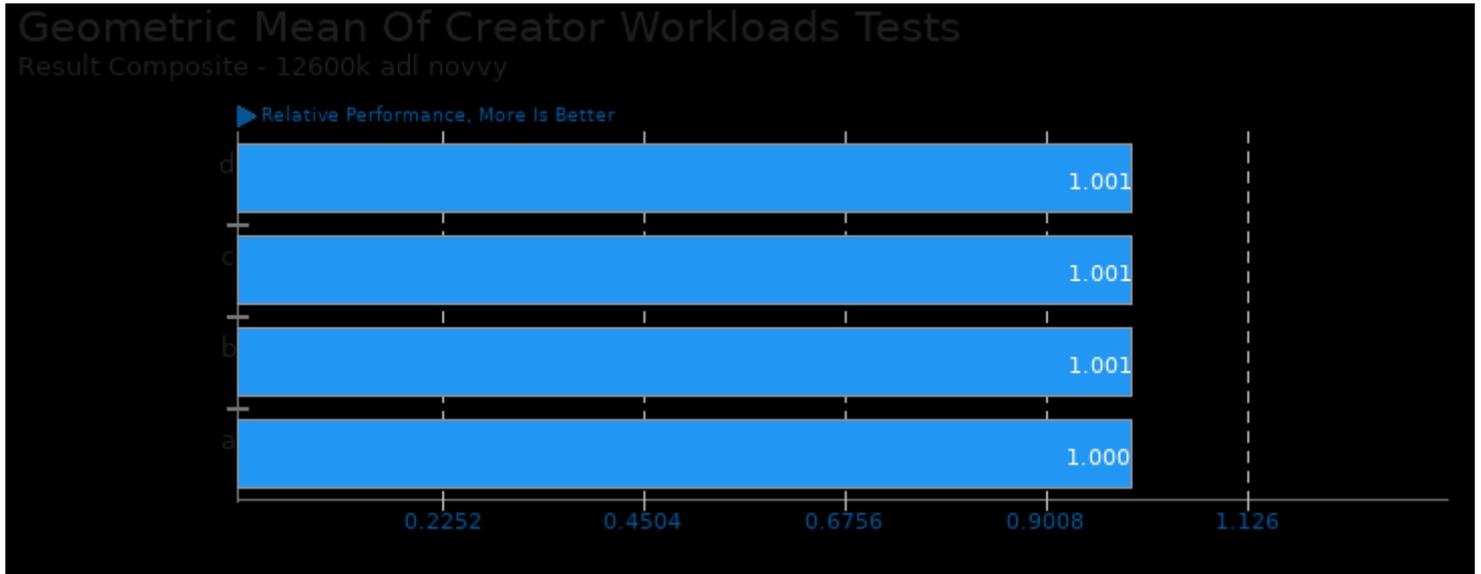
These geometric means are based upon test groupings / test suites for this result file.



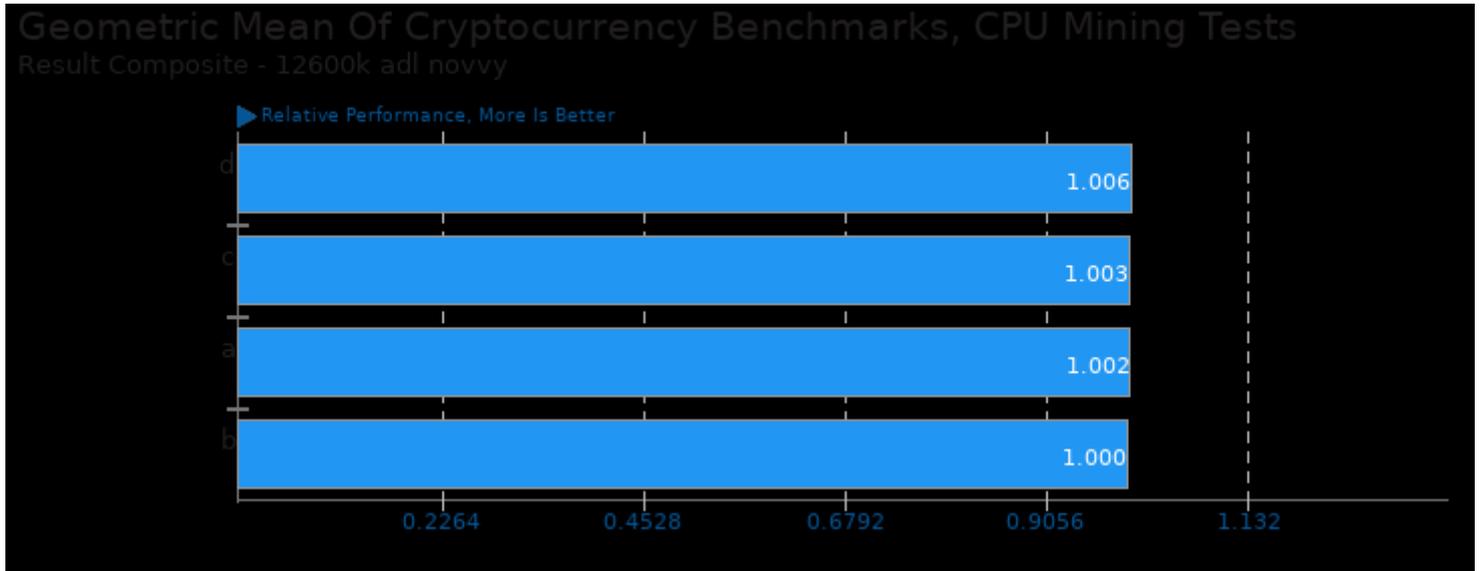
Geometric mean based upon tests: pts/encode-flac and pts/nginx



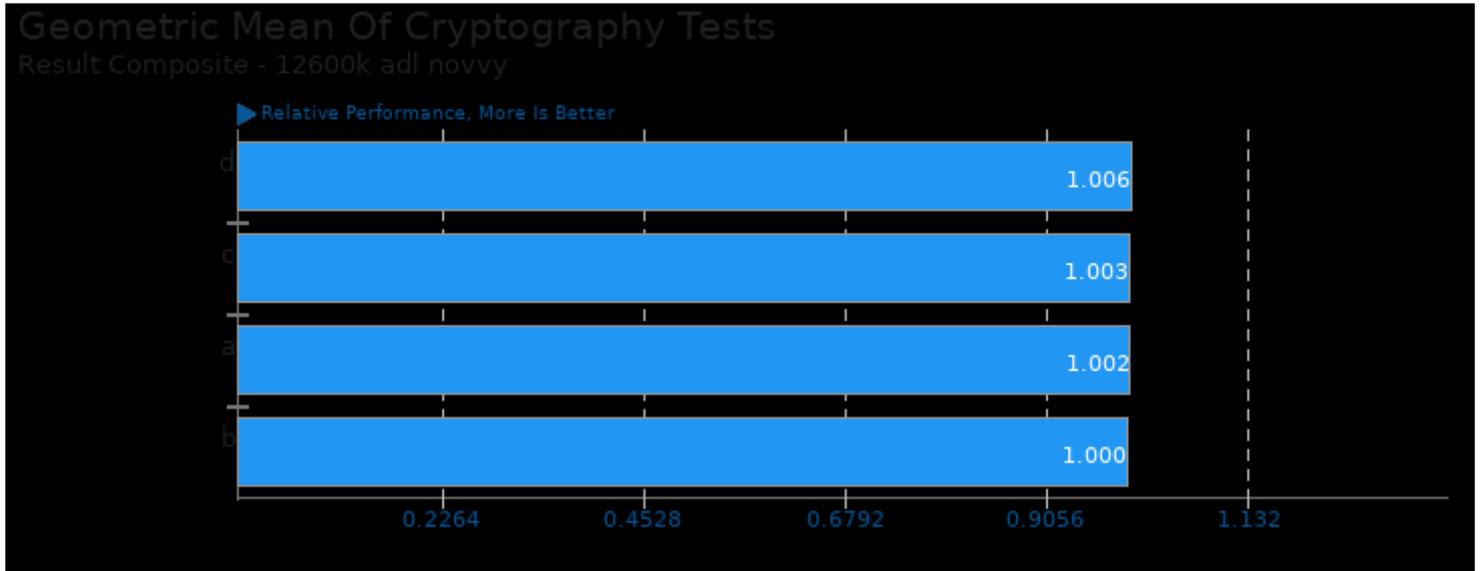
Geometric mean based upon tests: pts/encode-flac, pts/nginx, pts/stress-ng and pts/cpuminer-opt



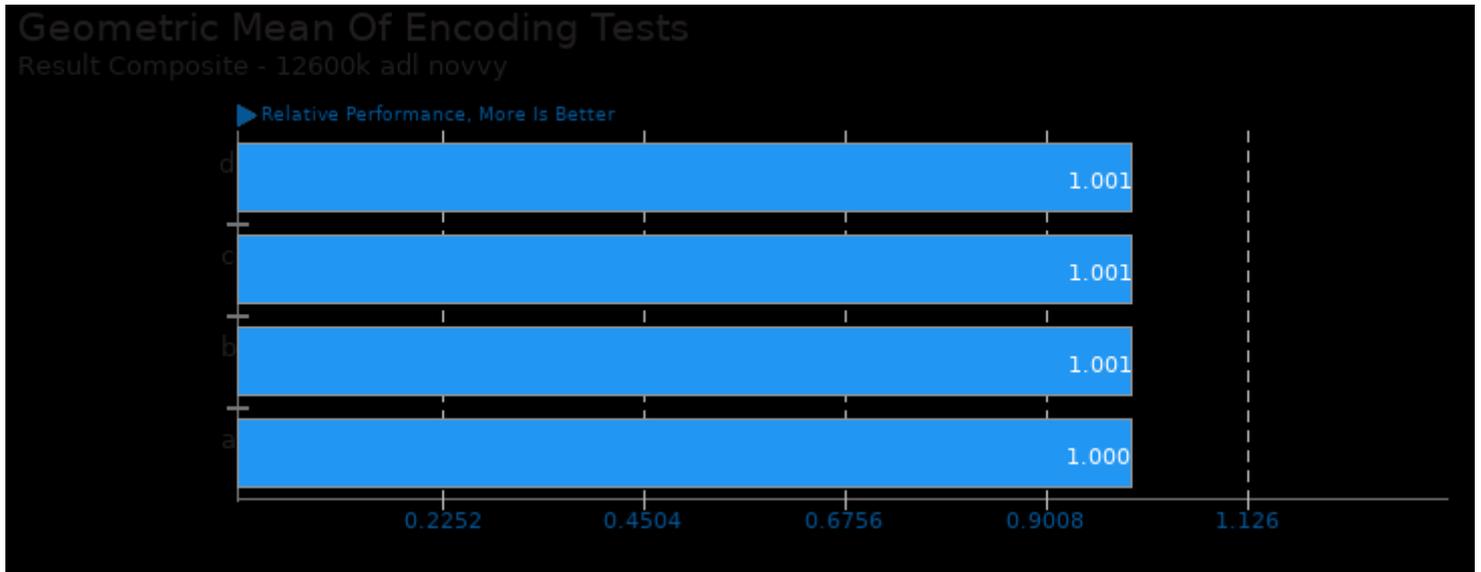
Geometric mean based upon tests: pts/ffmpeg and pts/encode-flac



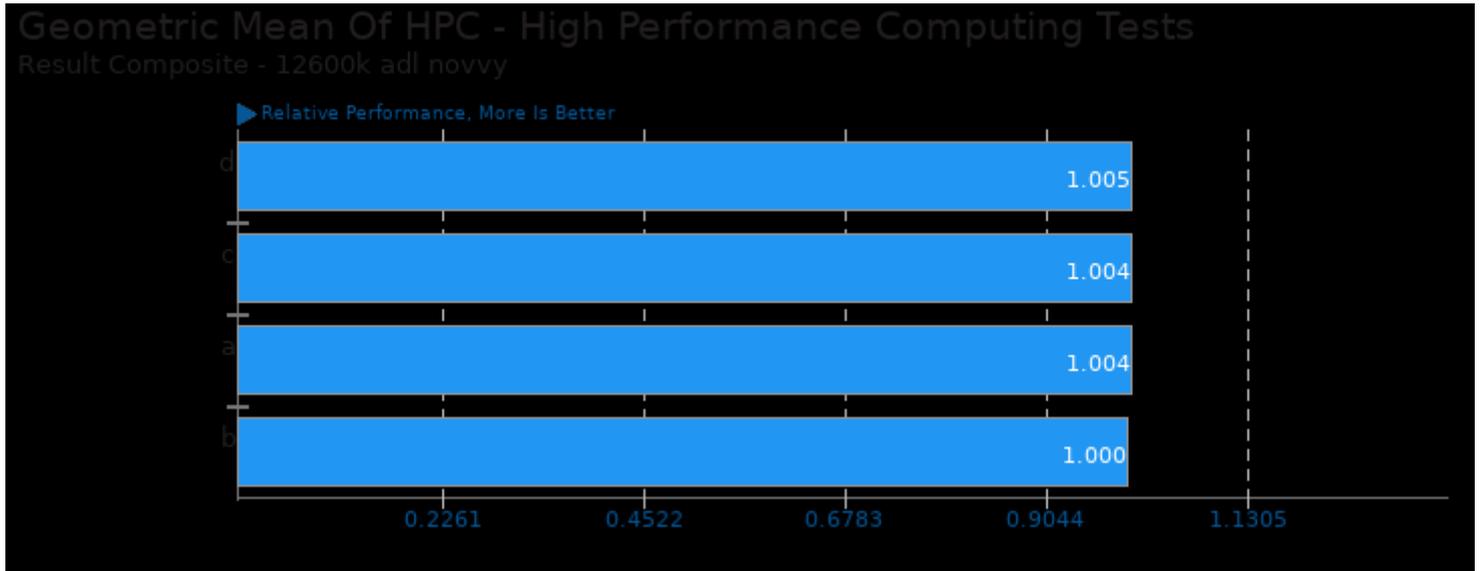
Geometric mean based upon tests: pts/cpuminer-opt and pts/xmrig



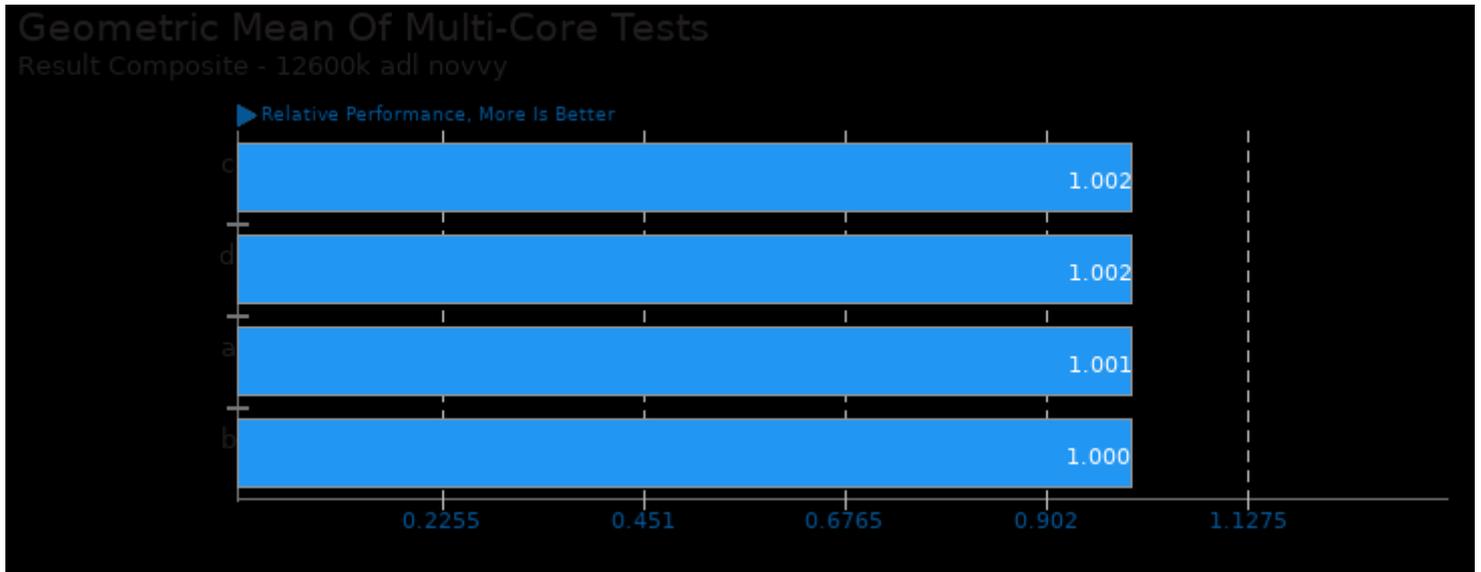
Geometric mean based upon tests: pts/cpuminer-opt and pts/xmrig



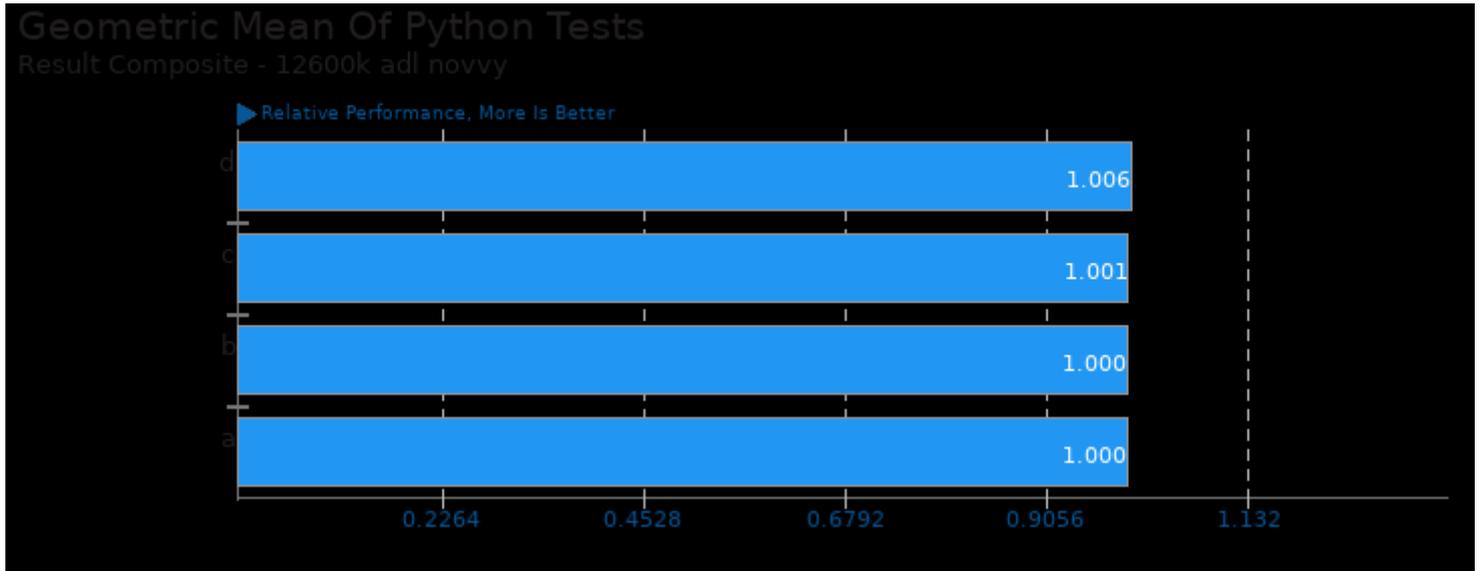
Geometric mean based upon tests: pts/encode-flac and pts/ffmpeg



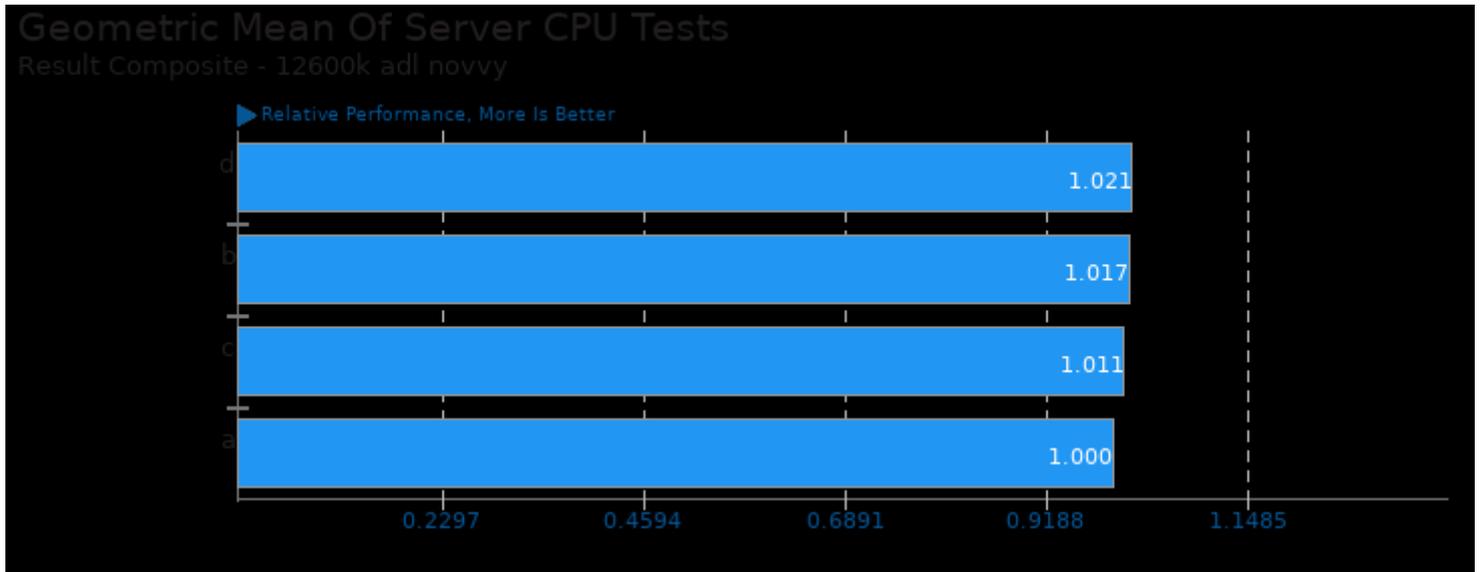
Geometric mean based upon tests: pts/nekrs and pts/minibude



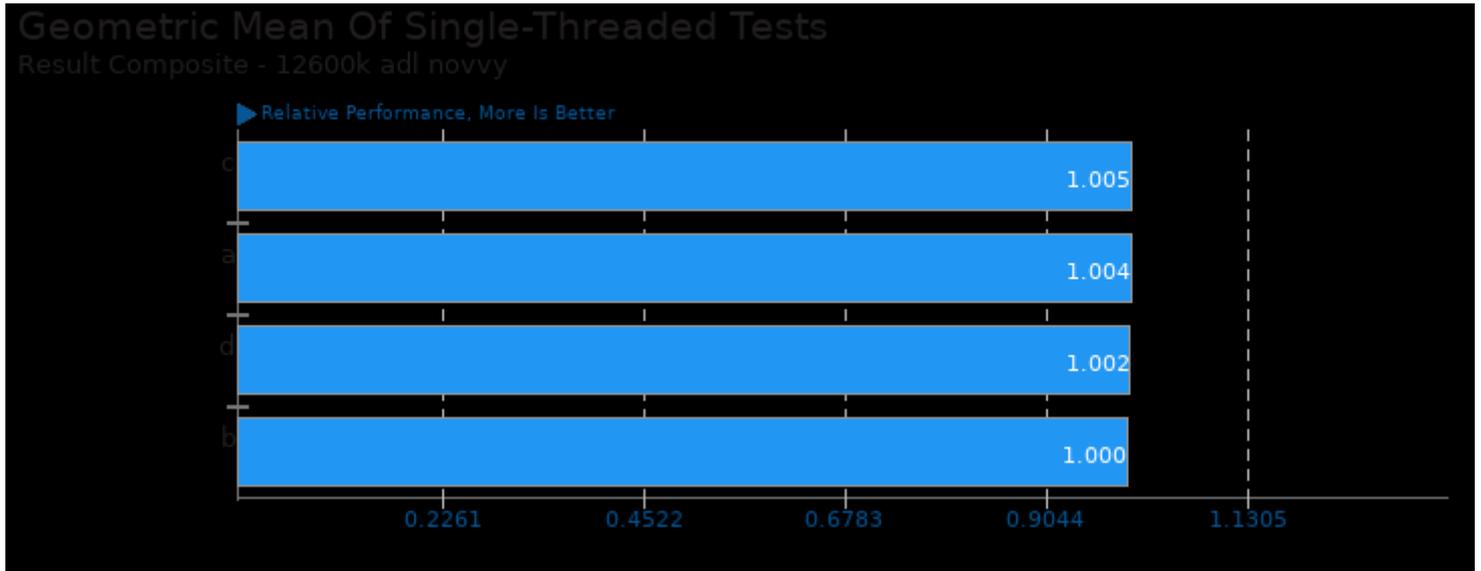
Geometric mean based upon tests: pts/cpuminer-opt and pts/ffmpeg



Geometric mean based upon tests: pts/encodec, pts/ffmpeg and pts/libplacebo



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



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

This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 15:26.