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Ryzen 9 5950X ST

AMD Ryzen 9 5950X 16-Core testing with a ASUS ROG CROSSHAIR VIII HERO (WI-FI) (2311 BIOS) and AMD Radeon RX 5600 OEM/5600 XT / 5700/5700 8GB on Ubuntu 20.04 via the Phoronix Test Suite.

Automated Executive Summary

Ryzen 9 5950X had the most wins, coming in first place for 60% of the tests.

Based on the geometric mean of all complete results, the fastest (Ryzen 9 5950X) was 1.007x the speed of the slowest (5950X).

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

Polyhedron Fortran Benchmarks (Benchmark: gas_dyn2) at 1.141x

Polyhedron Fortran Benchmarks (Benchmark: test_fpu2) at 1.131x

Polyhedron Fortran Benchmarks (Benchmark: tfft2) at 1.022x

Java SciMark (Computational Test: Dense LU Matrix Factorization) at 1.014x

Fhourstones (Complex Connect-4 Solving) at 1.012x

Bork File Encrypter (File Encryption Time) at 1.01x

Polyhedron Fortran Benchmarks (Benchmark: channel2) at 1.009x

Izbench (Test: Brotli 0 - Process: Compression) at 1.008x

Izbench (Test: Brotli 2 - Process: Compression) at 1.008x

Java SciMark (Computational Test: Composite) at 1.008x.

Test Systems:

Ryzen 9 5950X

5950X

Processor: AMD Ryzen 9 5950X 16-Core @ 3.40GHz (16 Cores / 32 Threads), Motherboard: ASUS ROG CROSSHAIR VIII HERO (WI-FI) (2311 BIOS), Chipset: AMD Starship/Matisse, Memory: 16GB, Disk: 2000GB Corsair Force MP600 + 2000GB, Graphics: AMD Radeon RX 5600 OEM/5600 XT / 5700/5700 8GB (2100/875MHz), Audio: AMD Navi 10 HDMI Audio, Monitor: ASUS MG28U, Network: Realtek RTL8125 2.5GbE + Intel I211 + Intel Wi-Fi 6 AX200

OS: Ubuntu 20.04, Kernel: 5.9.0-050900-generic (x86_64), Desktop: GNOME Shell 3.36.4, Display Server: X Server 1.20.8, Display Driver: amdgpu 19.1.0, OpenGL: 4.6 Mesa 20.3.0-devel (git-442f48f 2020-10-15 focal-oibaf-ppa) (LLVM 11.0.0), Vulkan: 1.2.145, Compiler: GCC 9.3.0, File-System: ext4, Screen Resolution: 1920x1080

Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++,gm2 --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none=/build/gcc-9-HskZEa/gcc-9-9.3.0/debian/tmp-nvptx/usr.hsa --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --program-prefix=x86_64-linux-gnu- --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-default-libstdcxx-abi=new --with-gcc-major-version-only --with-multilib-list=m32,m64,mx32 --with-target-system-zlib=auto --with-tune=generic --without-cuda-driver -v

Processor Notes: Scaling Governor: acpi-cpufreq ondemand - CPU Microcode: 0xa201009

Java Notes: OpenJDK Runtime Environment (build 11.0.8+10-post-Ubuntu-0ubuntu120.04)

Python Notes: Python 2.7.18 + Python 3.8.5

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 + srbd: Not affected + tsx_async_abort: Not affected

	Ryzen 9 5950X	5950X
BLAKE2 (Cycles/Byte)	6.89	6.84
Normalized	99.27%	100%
Standard Deviation	0.4%	0.9%
Bork File Encrypter - F.E.T (sec)	6.150	6.088
Normalized	98.99%	100%
Standard Deviation	0.2%	0.6%
Botan - KASUMI (MiB/s)	112.082	
Standard Deviation	0.1%	
Botan - AES-256 (MiB/s)	7365	
Standard Deviation	0.7%	
Botan - Twofish (MiB/s)	462.444	
Standard Deviation	0.3%	
Botan - Blowfish (MiB/s)	547.970	
Standard Deviation	0.3%	
Botan - CAST-256 (MiB/s)	174.587	
Standard Deviation	0.6%	

BYTE Unix Benchmark - Dhrystone 2 (LPS) 55818288

Standard Deviation 0.9%

CacheBench - Read (MB/s) 3078

Standard Deviation 0.5%

CacheBench - Write (MB/s) 34897

Standard Deviation 0.4%

CacheBench - R.M.W (MB/s) 68750

Standard Deviation 0.1%

ddraw - R.T.P.I.C (sec) 34.913

Standard Deviation 0.3%

DeepSpeech - CPU (sec) 59.60361

Standard Deviation 0.8%

eSpeak-NG Speech Engine - T.T.S.S (sec) 21.409

Standard Deviation 0.3%

Fhourstones - C.C.4.S (Kpos / sec) **20108**

19870

Normalized	100%	98.82%
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Standard Deviation	0.5%	1.5%
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FLAC Audio Encoding - WAV To FLAC (sec) 6.417

Standard Deviation 0.6%

Git - T.T.C.C.G.C (sec) 37.905

Standard Deviation 1.9%

glibc bench - cos (nanoseconds) 36.1467

Standard Deviation 2.5%

glibc bench - exp (nanoseconds) 5.02305

Standard Deviation 1.1%

glibc bench - ffs (nanoseconds) 2.39659

Standard Deviation 2.8%

glibc bench - sin (nanoseconds) 36.4389

Standard Deviation 0.9%

glibc bench - log2 (nanoseconds) 4.53624

Standard Deviation 0.3%

glibc bench - modf (nanoseconds) 2.43259

Standard Deviation 0.4%

glibc bench - sinh (nanoseconds) 7.09816

Standard Deviation 0.9%

glibc bench - sqrt (nanoseconds) 2.42296

Standard Deviation 0.1%

glibc bench - tanh (nanoseconds) 8.66497

Standard Deviation 0.4%

glibc bench - asinh (nanoseconds) 6.36772

Standard Deviation 0.6%

glibc bench - atanh (nanoseconds) 8.20237

Standard Deviation 0.6%

glibc bench - ffsll (nanoseconds) 2.20379

Standard Deviation 3%

glibc bench - sincos (nanoseconds) 10.1625

Standard Deviation 1%

glibc bench - pthread_once (nanoseconds) 2.21780

Standard Deviation 0.2%

GNU GMP GMPbench - Total Time (GMPbench Score) **6886**

6898

Normalized	99.82%	100%
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Gzip Compression - L.S.T.A.T.t.g (sec) 28.563

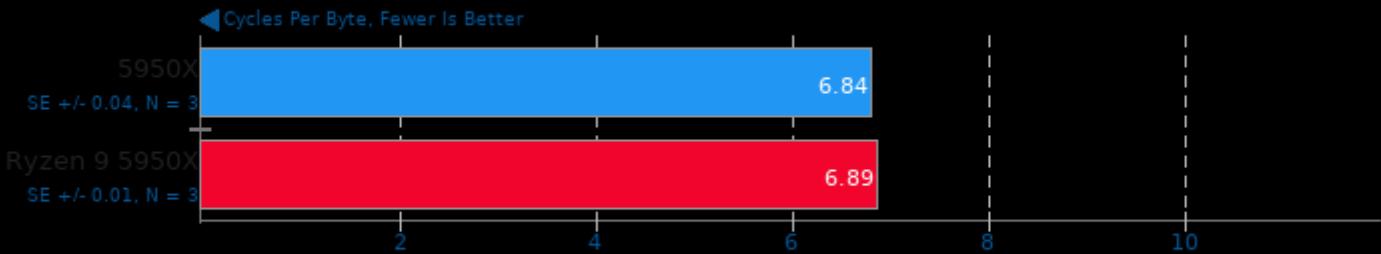
Standard Deviation 1.2%

Hierarchical INTegration - FLOAT (QUIPs)	520423448	
Standard Deviation	0.5%	
Inkscape - SVG Files To PNG (sec)	18.367	
Standard Deviation	0.8%	
Java SciMark - Composite (Mflops)	3776	3747
Normalized	100%	99.25%
Standard Deviation	1.3%	2.3%
Java SciMark - Monte Carlo (Mflops)	1823	1830
Normalized	99.64%	100%
Standard Deviation	0.3%	3.1%
Java SciMark - F.F.T (Mflops)	2848	2848
Normalized	100%	100%
Standard Deviation	3.3%	2.4%
Java SciMark - S.M.M (Mflops)	3240	3228
Normalized	100%	99.62%
Standard Deviation	0.5%	2%
Java SciMark - D.L.M.F (Mflops)	8634	8512
Normalized	100%	98.58%
Standard Deviation	1.7%	2.5%
Java SciMark - J.S.O.R (Mflops)	2334	2320
Normalized	100%	99.42%
Standard Deviation	0.4%	2%
LAME MP3 Encoding - WAV To MP3 (sec)	5.581	
Standard Deviation	0.1%	
libjpeg-turbo tjbench - D.T (Megapixels/sec)	283.568297	
Standard Deviation	0.5%	
LuaJIT - Composite (Mflops)	1929	
Standard Deviation	1%	
LuaJIT - Monte Carlo (Mflops)	587.05	
Standard Deviation	0.6%	
LuaJIT - F.F.T (Mflops)	515.35	
Standard Deviation	0.9%	
LuaJIT - S.M.M (Mflops)	1686	
Standard Deviation	0.3%	
LuaJIT - D.L.M.F (Mflops)	4413	
Standard Deviation	1.7%	
LuaJIT - J.S.O.R (Mflops)	2444	
Standard Deviation	0.6%	
Izbench - XZ 0 - Compression (MB/s)	53	53
Standard Deviation		1.1%
Izbench - XZ 0 - Decompression (MB/s)	171	171
Izbench - Zstd 1 - Compression (MB/s)	644	643
Normalized	100%	99.84%
Standard Deviation	0.5%	0.6%
Izbench - Zstd 1 - Decompression (MB/s)	1854	1862
Normalized	99.57%	100%
Standard Deviation	0.4%	
Izbench - Zstd 8 - Compression (MB/s)	125	125
Standard Deviation	1.4%	
Izbench - Zstd 8 - Decompression (MB/s)	2040	2042
Normalized	99.9%	100%
Standard Deviation	0.1%	0.2%
Izbench - Crush 0 - Compression (MB/s)	167	166
Normalized	100%	99.4%

	Standard Deviation	1.2%	0.9%
Izbench - Crush 0 - Decompression (MB/s)	657	654	
	Normalized	100%	99.54%
	Standard Deviation		0.3%
Izbench - Brotli 0 - Compression (MB/s)	612	617	
	Normalized	99.19%	100%
	Standard Deviation	1.2%	0.1%
Izbench - Brotli 0 - Decompression (MB/s)	794	795	
	Normalized	99.87%	100%
	Standard Deviation	0.4%	0.5%
Izbench - Brotli 2 - Compression (MB/s)	256	258	
	Normalized	99.22%	100%
	Standard Deviation	0.6%	0.8%
Izbench - Brotli 2 - Decompression (MB/s)	942	948	
	Normalized	99.37%	100%
	Standard Deviation	0.1%	0.4%
Izbench - Libdeflate 1 - Compression (MB/s)	324	325	
	Normalized	99.69%	100%
	Standard Deviation		0.9%
Izbench - Libdeflate 1 - Decompression (MB/s)	1542	1548	
	Normalized	99.61%	100%
	Standard Deviation	0.4%	0.4%
Minion - Graceful (sec)	35.420830		
	Standard Deviation	1.1%	
Minion - Solitaire (sec)	52.505514		
	Standard Deviation	0.8%	
Minion - Quasigroup (sec)	84.324190		
	Standard Deviation	0.6%	
NGINX Benchmark - S.W.P.S (Req/sec)	51022		
	Standard Deviation	0.4%	
Node.js Express HTTP Load Test (Req/sec)	13488		
	Standard Deviation	3%	
Node.js Octane Benchmark (Score)	67718		
	Standard Deviation	0.7%	
Numpy Benchmark (Score)	557.09		
	Standard Deviation	0.9%	
Ogg Encoding - WAV To Ogg (sec)	4.162		
	Standard Deviation	1%	
OpenCV Benchmark (sec)	42.314		
	Standard Deviation	0.5%	
Optcarrot - O.B (FPS)	169.74		
	Standard Deviation	1.4%	
Perl Benchmarks - Pod2html (sec)	0.08632168		
	Standard Deviation	2.5%	
Perl Benchmarks - Interpreter (sec)	0.00065950		
	Standard Deviation	0.9%	
PHPBench - P.B.S (Score)	839390		
	Standard Deviation	1.4%	
Polyhedron Fortran Benchmarks - ac (sec)	5.47	5.49	
	Normalized	100%	99.64%
Polyhedron Fortran Benchmarks - air (sec)	1.36	1.36	
Polyhedron Fortran Benchmarks - mdbx (sec)	3.43	3.42	
	Normalized	99.71%	100%
Polyhedron Fortran Benchmarks - doduc (sec)	5.4	5.43	

	Normalized	100%	99.45%
Polyhedron Fortran Benchmarks - linpk (sec)	1.56	1.56	
Polyhedron Fortran Benchmarks - tfft2 (sec)	12.47	12.74	
	Normalized	100%	97.88%
Polyhedron Fortran Benchmarks - aermod (sec)	4.39	4.39	
Polyhedron Fortran Benchmarks - rnflow (sec)	13.15	13.18	
	Normalized	100%	99.77%
Polyhedron Fortran Benchmarks - induct2 (sec)	18.92	18.92	
Polyhedron Fortran Benchmarks - protein (sec)	9.27	9.27	
Polyhedron Fortran Benchmarks - capacita (sec)	10.46	10.39	
	Normalized	99.33%	100%
Polyhedron Fortran Benchmarks - channel2 (sec)	30.94	31.21	
	Normalized	100%	99.13%
Polyhedron Fortran Benchmarks - fatigue2 (sec)	40.96	41.16	
	Normalized	100%	99.51%
Polyhedron Fortran Benchmarks - gas_dyn2 (sec)	19.99	22.81	
	Normalized	100%	87.64%
Polyhedron Fortran Benchmarks - test_fpu2 (sec)	20.13	22.76	
	Normalized	100%	88.44%
Polyhedron Fortran Benchmarks - mp_prop_design	47.11	47.09	
	Normalized	99.96%	100%
PyBench - T.F.A.T.T (Milliseconds)	718		
	Standard Deviation	2.6%	
Radiance Benchmark - Serial (sec)	429.118		
	Redis - LPOP (Reqs/sec)	2044348	
	Standard Deviation	1.9%	
	Redis - SADD (Reqs/sec)	2785942	
	Standard Deviation	0.7%	
	Redis - LPUSH (Reqs/sec)	2116465	
	Standard Deviation	1.6%	
	Redis - GET (Reqs/sec)	3061158	
	Standard Deviation	5.3%	
	Redis - SET (Reqs/sec)	2519786	
	Standard Deviation	1.5%	
SciMark - Composite (Mflops)	880.55		
	Standard Deviation	1.2%	
SciMark - Monte Carlo (Mflops)	192.35		
	Standard Deviation	1.3%	
SciMark - F.F.T (Mflops)	492.97		
	Standard Deviation	1.5%	
SciMark - S.M.M (Mflops)	847.23		
	Standard Deviation	1%	
SciMark - D.L.M.F (Mflops)	1503		
	Standard Deviation	1.1%	
SciMark - J.S.O.R (Mflops)	1367		
	Standard Deviation	1.2%	
Sudokut - Total Time (sec)	8.163		
	Standard Deviation	2%	
Tesseract OCR - T.T.O.7.I (sec)	19.288		
	Standard Deviation	1.4%	

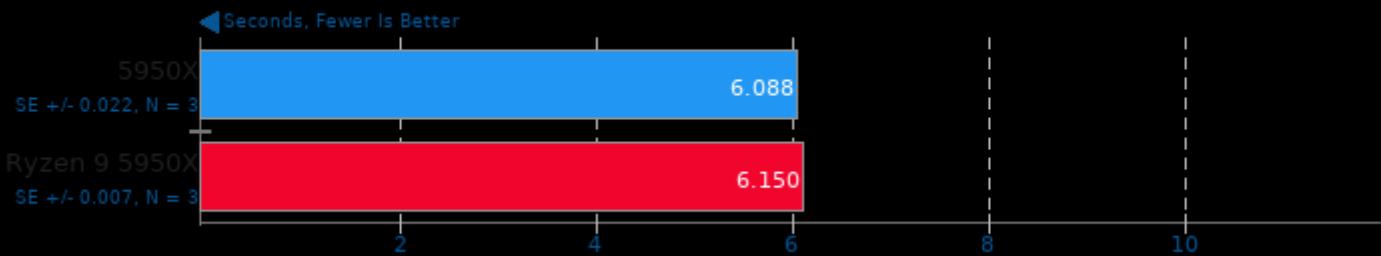
BLAKE2 20170307



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

Bork File Encrypter 1.4

File Encryption Time



Botan 2.13.0

Test: KASUMI



1. (CXX) g++ options: -fstack-protector -m64 -pthread -lbotan-2 -ldl -lrt

Botan 2.13.0

Test: AES-256



1. (CXX) g++ options: -fstack-protector -m64 -pthread -lbotan-2 -ldl -lrt

Botan 2.13.0

Test: Twofish



1. (CXX) g++ options: -fstack-protector -m64 -pthread -lbotan-2 -ldl -lrt

Botan 2.13.0

Test: Blowfish



1. (CXX) g++ options: -fstack-protector -m64 -pthread -lbotan-2 -dl -lrt

Botan 2.13.0

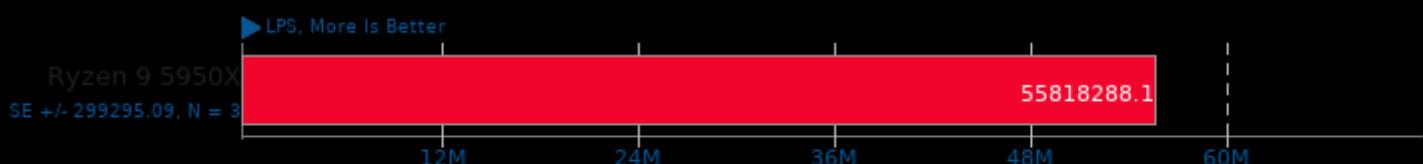
Test: CAST-256



1. (CXX) g++ options: -fstack-protector -m64 -pthread -lbotan-2 -dl -lrt

BYTE Unix Benchmark 3.6

Computational Test: Dhrystone 2



CacheBench

Test: Read



1. (CC) gcc options: -lrt

CacheBench

Test: Write



1. (CC) gcc options: -lrt

CacheBench

Test: Read / Modify / Write



1. (CC) gcc options: -lrt

dcraw

RAW To PPM Image Conversion



1. (CC) gcc options: -lm

DeepSpeech 0.6

Acceleration: CPU



eSpeak-NG Speech Engine 20200907

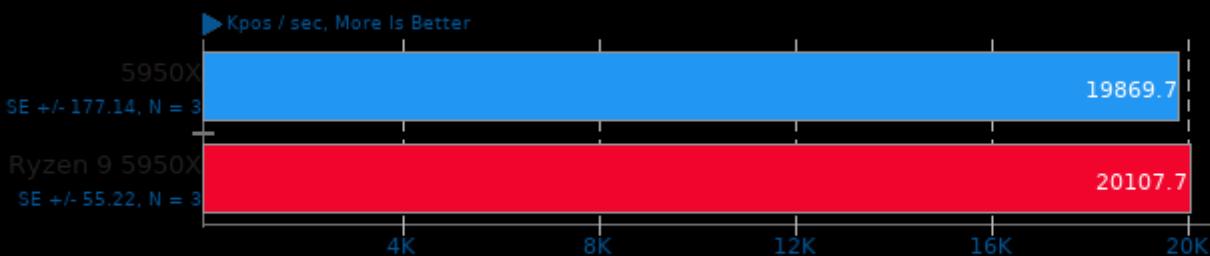
Text-To-Speech Synthesis



1. (CC) gcc options: -O2 -std=c99

Fhourstones 3.1

Complex Connect-4 Solving



1. (CC) gcc options: -O3

FLAC Audio Encoding 1.3.2

WAV To FLAC



1. (CXX) g++ options: -O2 -fvisibility=hidden -logg -lm

Git

Time To Complete Common Git Commands



1. git version 2.25.1

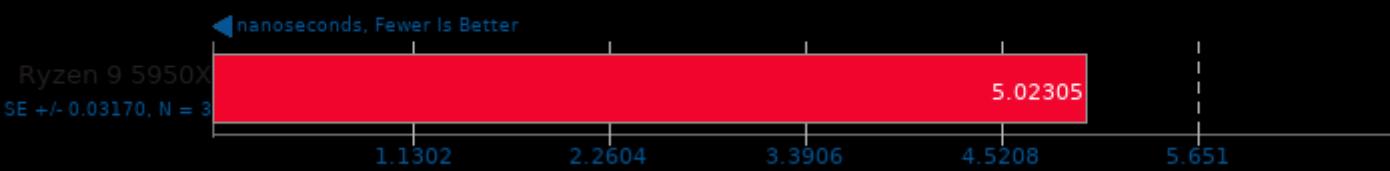
glibc bench 1.0

Benchmark: cos



glibc bench 1.0

Benchmark: exp



glibc bench 1.0

Benchmark: ffs

**glibc bench 1.0**

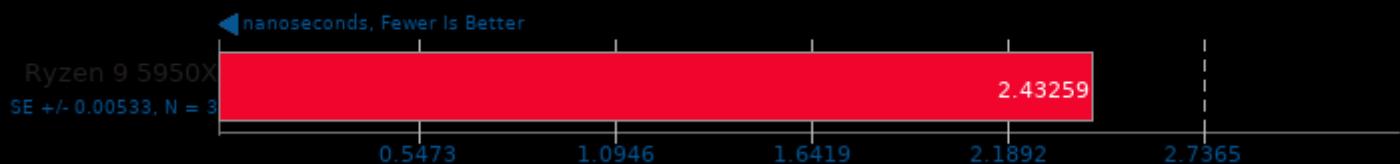
Benchmark: sin

**glibc bench 1.0**

Benchmark: log2

**glibc bench 1.0**

Benchmark: modf

**glibc bench 1.0**

Benchmark: sinh

**glibc bench 1.0**

Benchmark: sqrt



glibc bench 1.0

Benchmark: tanh

**glibc bench 1.0**

Benchmark: asinh

**glibc bench 1.0**

Benchmark: atanh

**glibc bench 1.0**

Benchmark: ffsl

**glibc bench 1.0**

Benchmark: sincos

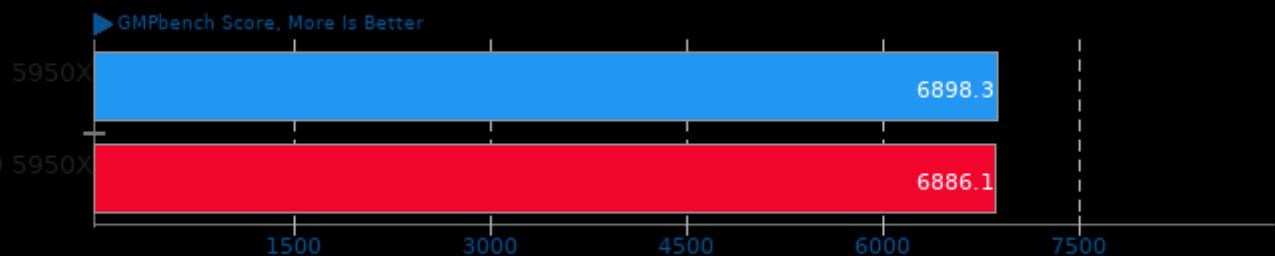
**glibc bench 1.0**

Benchmark: pthread_once



GNU GMP GMPbench 6.1.2

Total Time



1. (CC) gcc options: -O3 -fomit-frame-pointer -lm

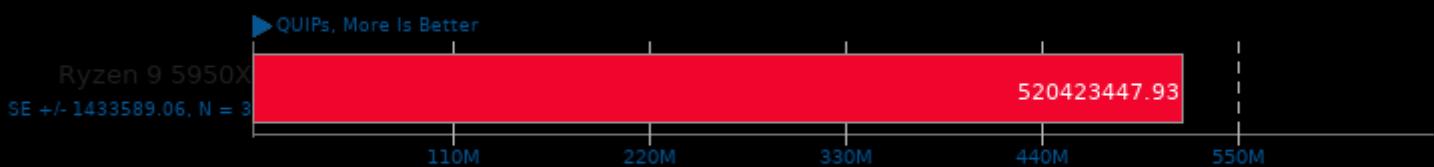
Gzip Compression

Linux Source Tree Archiving To .tar.gz



Hierarchical INTegration 1.0

Test: FLOAT



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

Inkscape

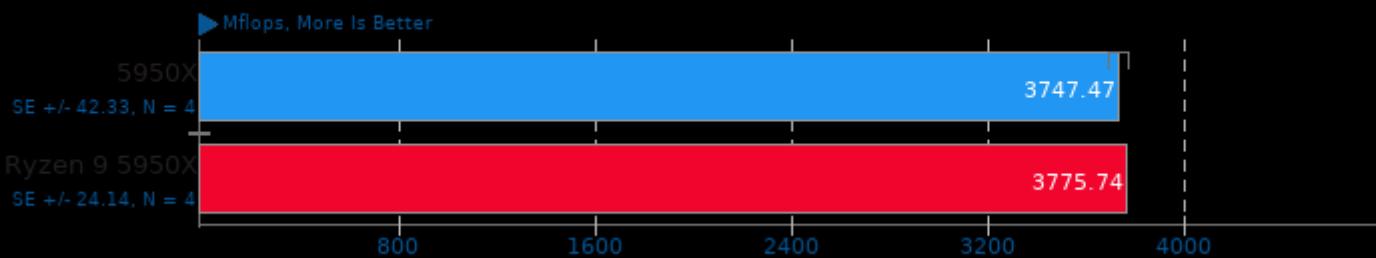
Operation: SVG Files To PNG



1. Inkscape 0.92.5 (2060ec1f9f, 2020-04-08)

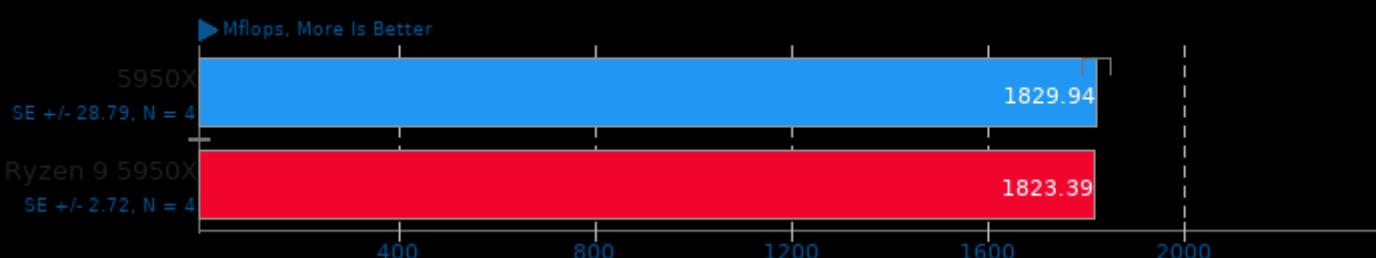
Java SciMark 2.0

Computational Test: Composite



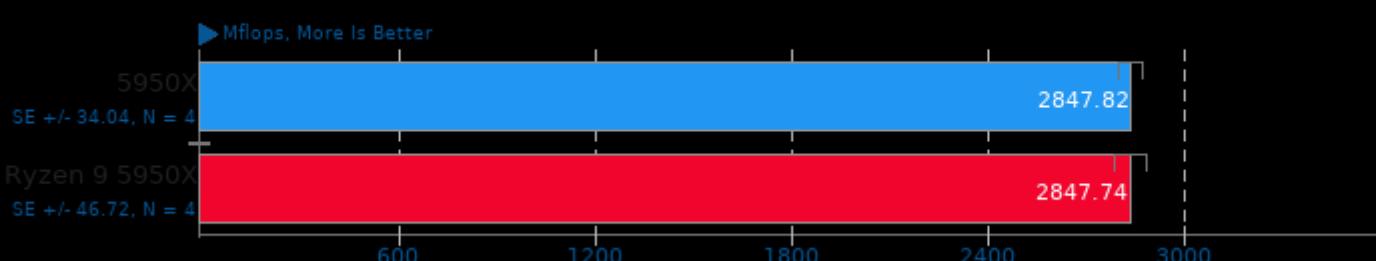
Java SciMark 2.0

Computational Test: Monte Carlo



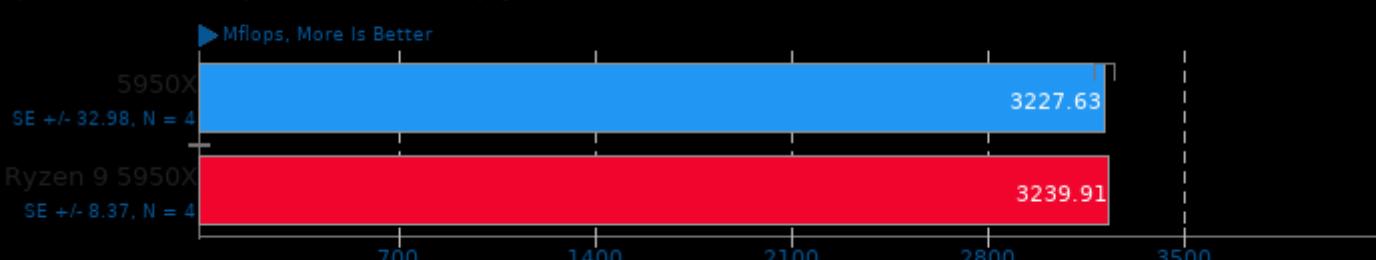
Java SciMark 2.0

Computational Test: Fast Fourier Transform



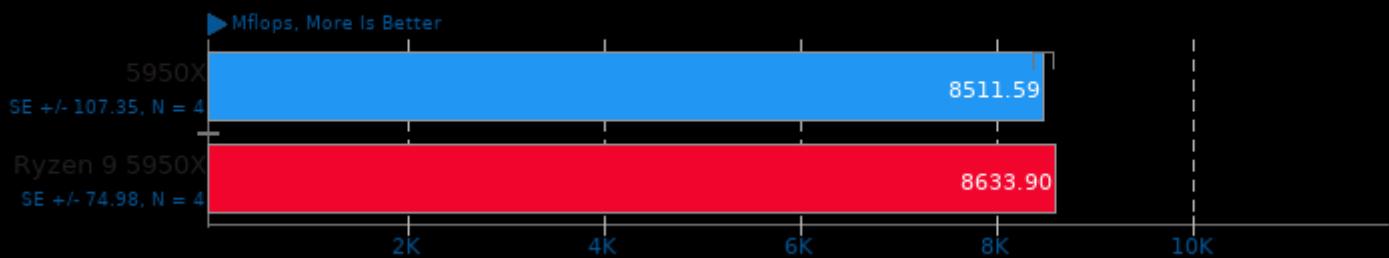
Java SciMark 2.0

Computational Test: Sparse Matrix Multiply



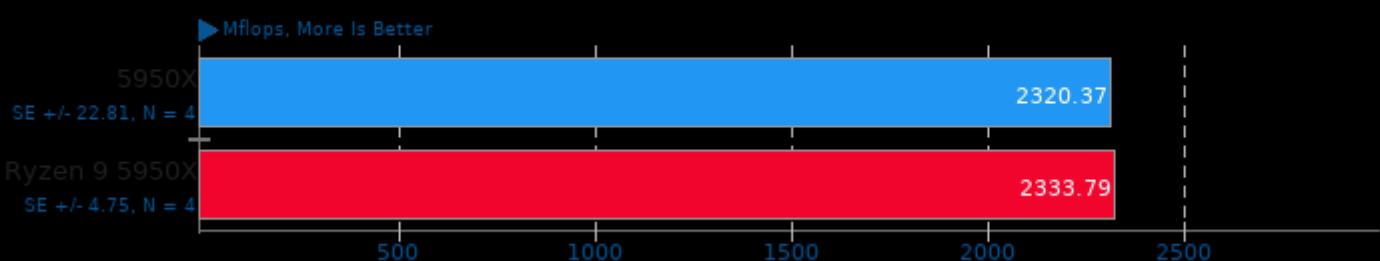
Java SciMark 2.0

Computational Test: Dense LU Matrix Factorization



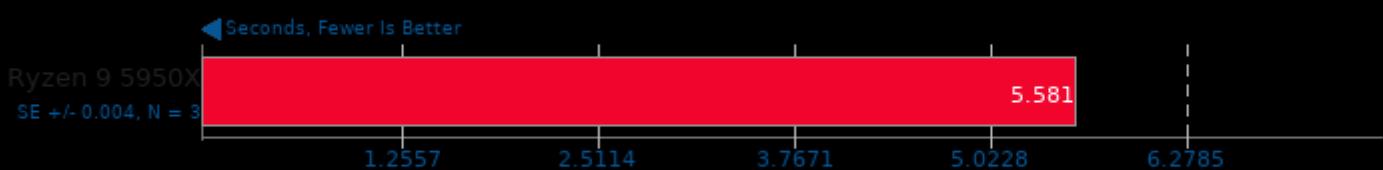
Java SciMark 2.0

Computational Test: Jacobi Successive Over-Relaxation



LAME MP3 Encoding 3.100

WAV To MP3



1. (CC) gcc options: -O3 -ffast-math -funroll-loops -fschedule-insns2 -fbranch-count-reg -fforce-addr-pipe -lm

libjpeg-turbo tjbench 2.0.2

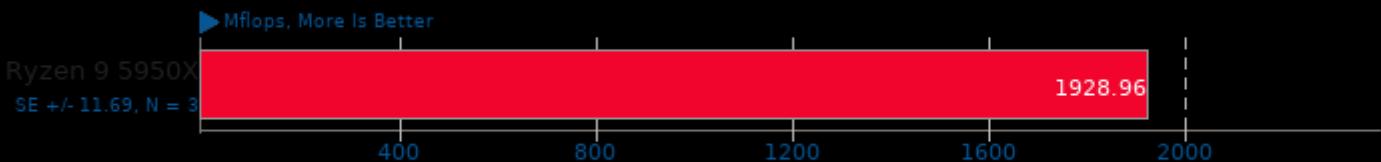
Test: Decompression Throughput



1. (CC) gcc options: -O3 -rdynamic -lm

LuaJIT 2.1-git

Test: Composite



1. (CC) gcc options: -lm -ldl -O2 -fomit-frame-pointer -U_FORTIFY_SOURCE -fno-stack-protector

LuaJIT 2.1-git

Test: Monte Carlo



1. (CC) gcc options: -lm -ldl -O2 -fomit-frame-pointer -U_FORTIFY_SOURCE -fno-stack-protector

LuaJIT 2.1-git

Test: Fast Fourier Transform



1. (CC) gcc options: -lm -ldl -O2 -fomit-frame-pointer -U_FORTIFY_SOURCE -fno-stack-protector

LuaJIT 2.1-git

Test: Sparse Matrix Multiply



1. (CC) gcc options: -lm -ldl -O2 -fomit-frame-pointer -U_FORTIFY_SOURCE -fno-stack-protector

LuaJIT 2.1-git

Test: Dense LU Matrix Factorization



1. (CC) gcc options: -lm -ldl -O2 -fomit-frame-pointer -U_FORTIFY_SOURCE -fno-stack-protector

LuaJIT 2.1-git

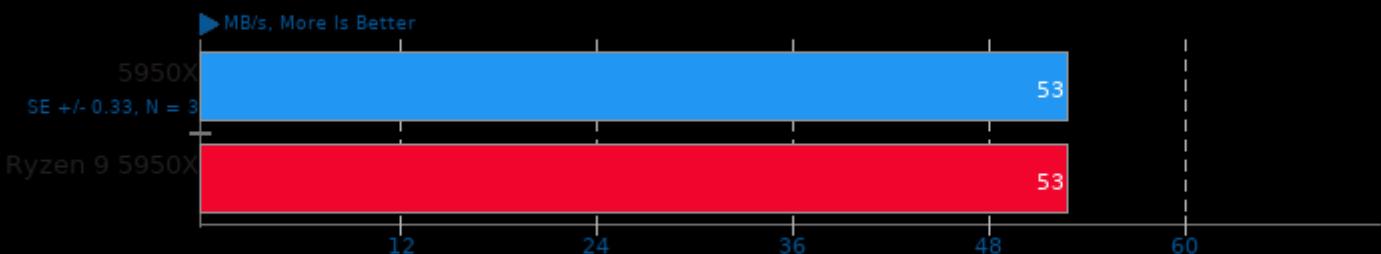
Test: Jacobi Successive Over-Relaxation



1. (CC) gcc options: -lm -ldl -O2 -fomit-frame-pointer -U_FORTIFY_SOURCE -fno-stack-protector

Izbench 1.8

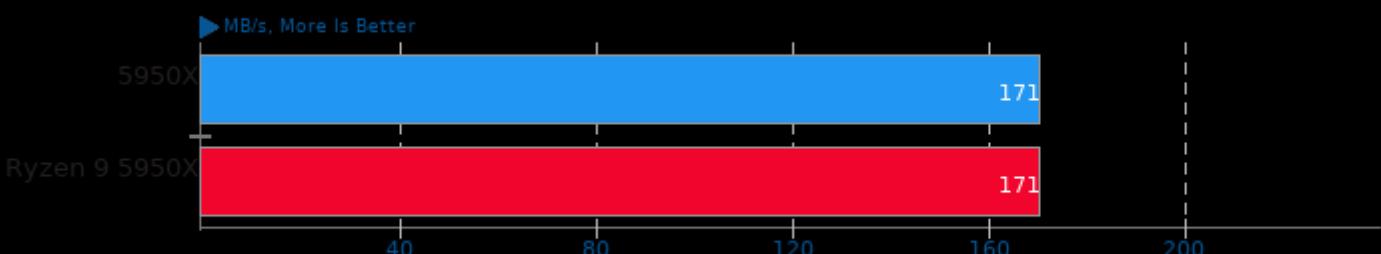
Test: XZ 0 - Process: Compression



1. (CXX) g++ options: -pthread -fomit-frame-pointer -fstrict-aliasing -ffast-math -O3

Izbench 1.8

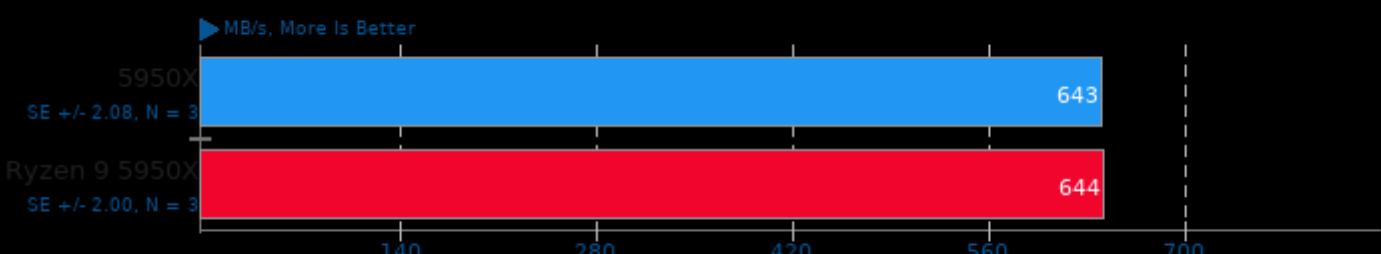
Test: XZ 0 - Process: Decompression



1. (CXX) g++ options: -pthread -fomit-frame-pointer -fstrict-aliasing -ffast-math -O3

Izbench 1.8

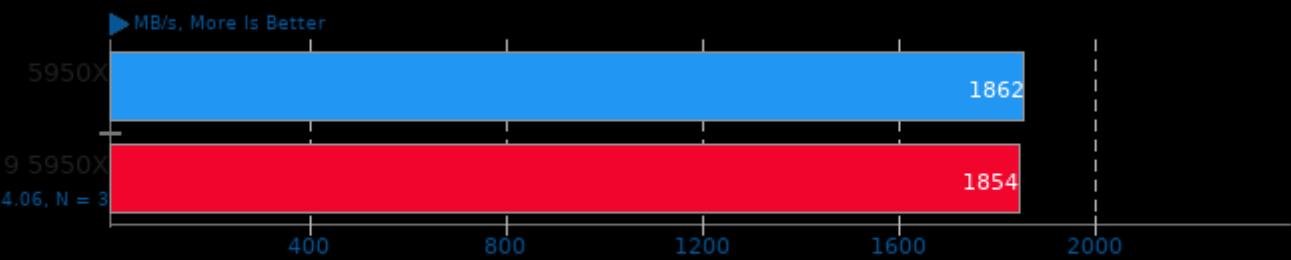
Test: Zstd 1 - Process: Compression



1. (CXX) g++ options: -pthread -fomit-frame-pointer -fstrict-aliasing -ffast-math -O3

Izbench 1.8

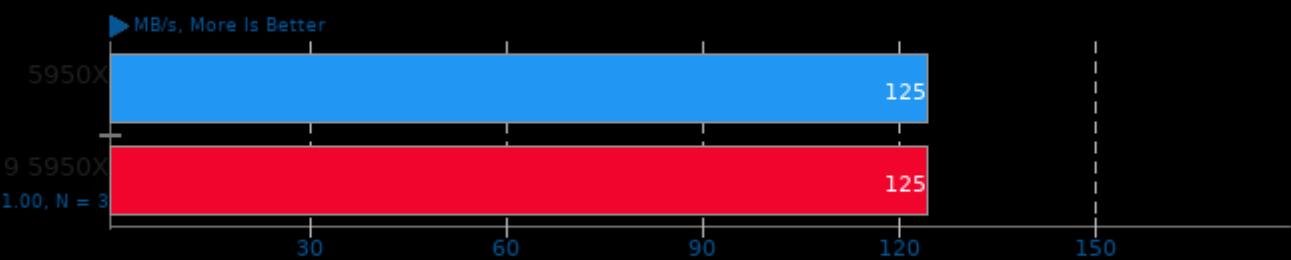
Test: Zstd 1 - Process: Decompression



1. (CXX) g++ options: -pthread -fomit-frame-pointer -fstrict-aliasing -ffast-math -O3

Izbench 1.8

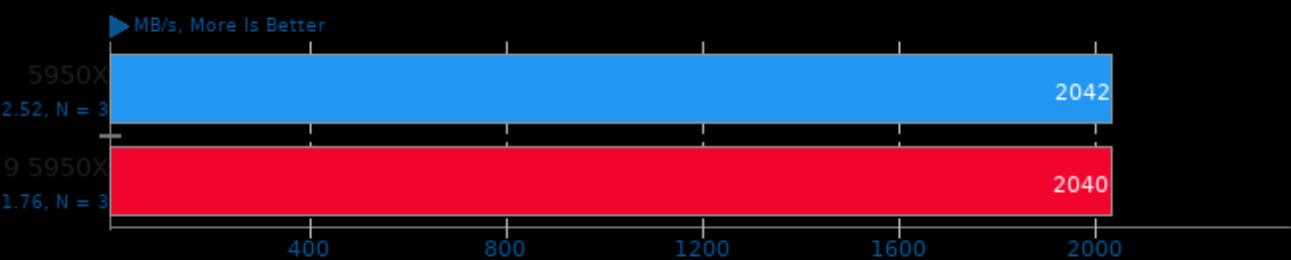
Test: Zstd 8 - Process: Compression



1. (CXX) g++ options: -pthread -fomit-frame-pointer -fstrict-aliasing -ffast-math -O3

Izbench 1.8

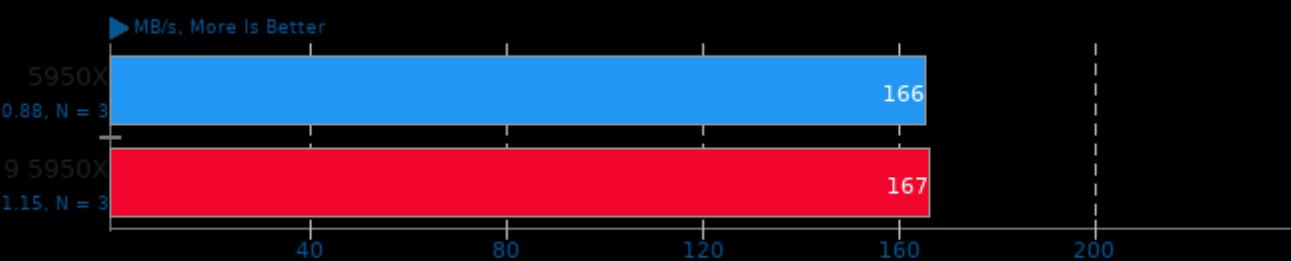
Test: Zstd 8 - Process: Decompression



1. (CXX) g++ options: -pthread -fomit-frame-pointer -fstrict-aliasing -ffast-math -O3

Izbench 1.8

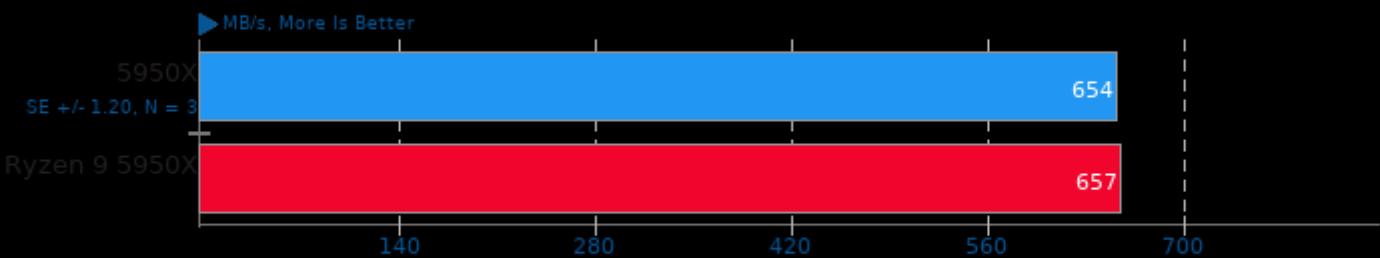
Test: Crush 0 - Process: Compression



1. (CXX) g++ options: -pthread -fomit-frame-pointer -fstrict-aliasing -ffast-math -O3

Izbench 1.8

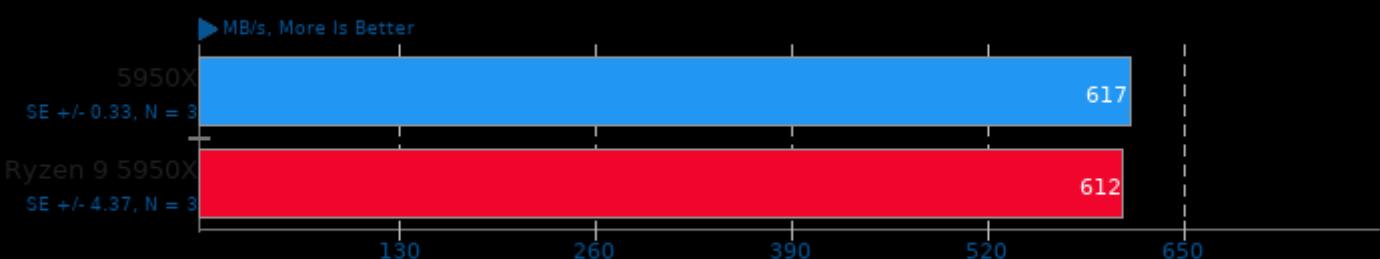
Test: Crush 0 - Process: Decompression



1. (CXX) g++ options: -pthread -fomit-frame-pointer -fstrict-aliasing -ffast-math -O3

Izbench 1.8

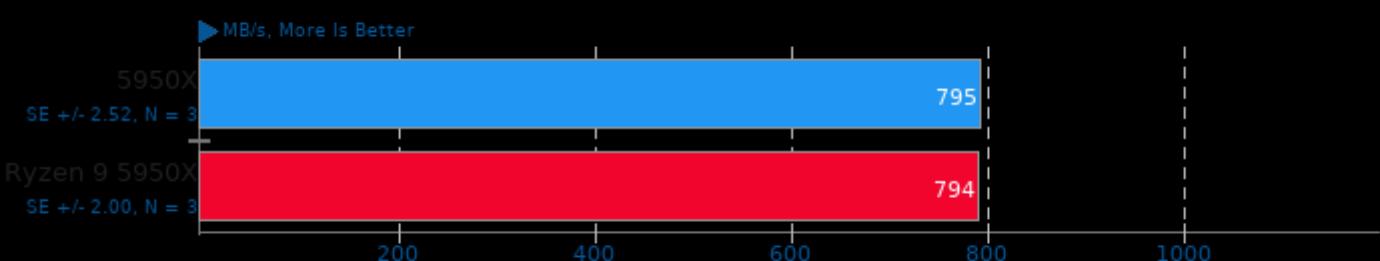
Test: Brotli 0 - Process: Compression



1. (CXX) g++ options: -pthread -fomit-frame-pointer -fstrict-aliasing -ffast-math -O3

Izbench 1.8

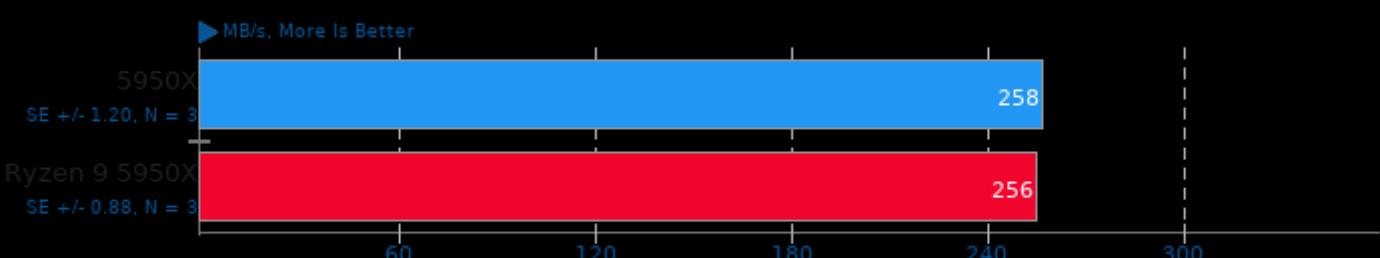
Test: Brotli 0 - Process: Decompression



1. (CXX) g++ options: -pthread -fomit-frame-pointer -fstrict-aliasing -ffast-math -O3

Izbench 1.8

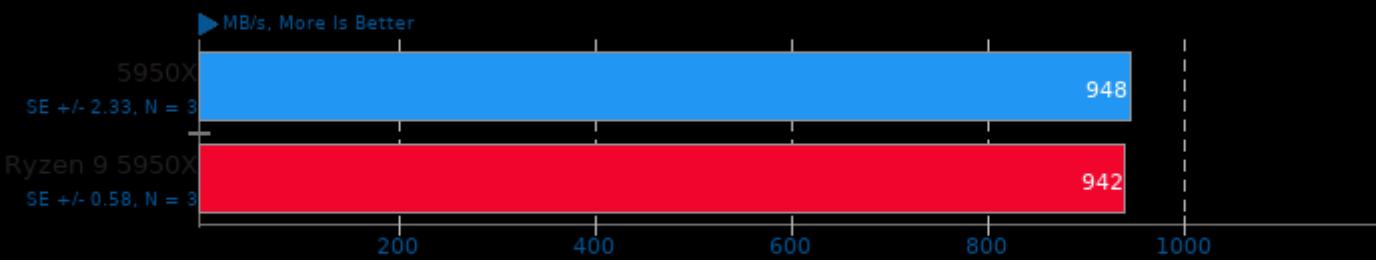
Test: Brotli 2 - Process: Compression



1. (CXX) g++ options: -pthread -fomit-frame-pointer -fstrict-aliasing -ffast-math -O3

Izbench 1.8

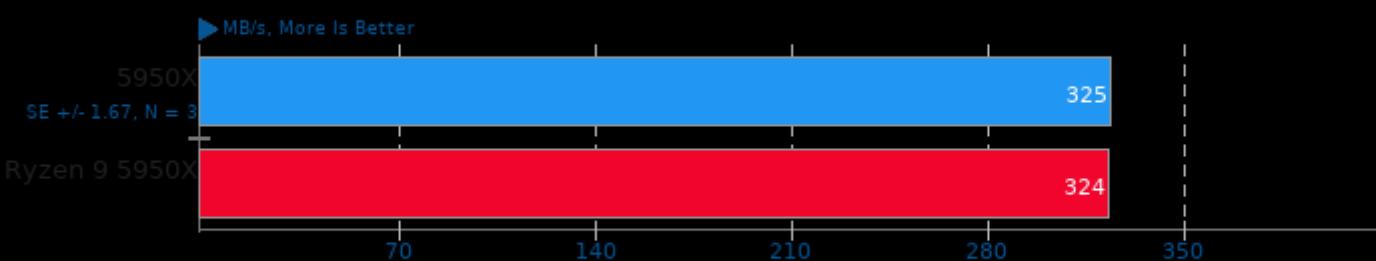
Test: Brotli 2 - Process: Decompression



1. (CXX) g++ options: -pthread -fomit-frame-pointer -fstrict-aliasing -ffast-math -O3

Izbench 1.8

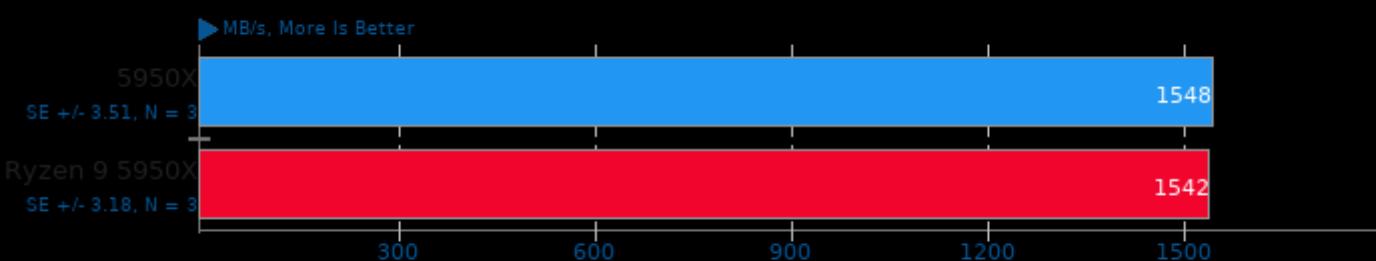
Test: Libdeflate 1 - Process: Compression



1. (CXX) g++ options: -pthread -fomit-frame-pointer -fstrict-aliasing -ffast-math -O3

Izbench 1.8

Test: Libdeflate 1 - Process: Decompression



1. (CXX) g++ options: -pthread -fomit-frame-pointer -fstrict-aliasing -ffast-math -O3

Minion 1.8

Benchmark: Graceful



1. (CXX) g++ options: -std=gnu++11 -O3 -fomit-frame-pointer -rdynamic

Minion 1.8

Benchmark: Solitaire



1. (CXX) g++ options: -std=gnu++11 -O3 -fomit-frame-pointer -rdynamic

Minion 1.8

Benchmark: Quasigroup



1. (CXX) g++ options: -std=gnu++11 -O3 -fomit-frame-pointer -rdynamic

NGINX Benchmark 1.9.9

Static Web Page Serving



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

Node.js Express HTTP Load Test

1. Nodejs
v10.19.0

Node.js Octane Benchmark

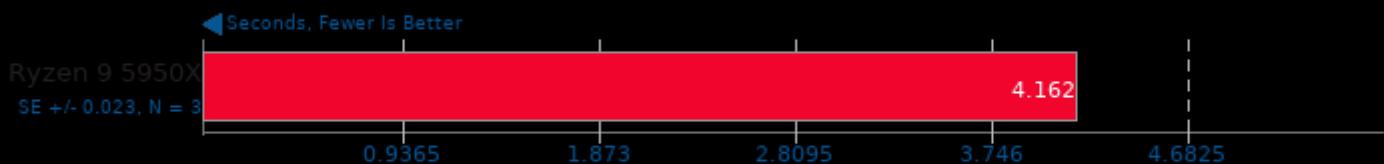
1. Nodejs
v10.19.0

Numpy Benchmark



Ogg Encoding 1.3.3

WAV To Ogg



1. (CC) gcc options: -O2 -ffast-math -fsigned-char -logg

OpenCV Benchmark 3.3.0



Optcarrot

Optimized Benchmark



1. ruby 2.7.0p0 (2019-12-25 revision 647ee6f091) [x86_64-linux-gnu]

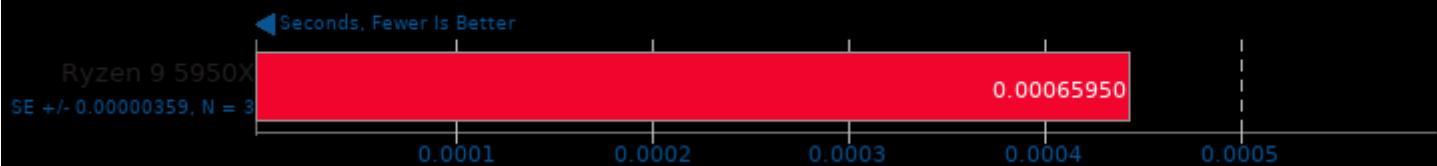
Perl Benchmarks

Test: Pod2html



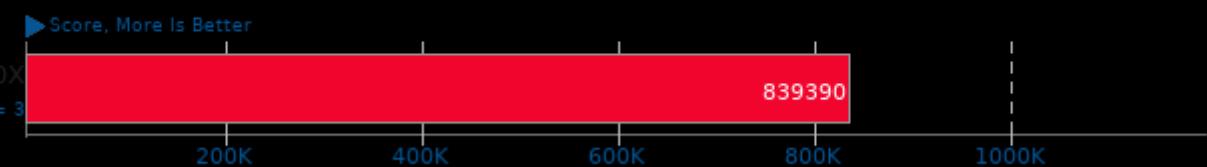
Perl Benchmarks

Test: Interpreter



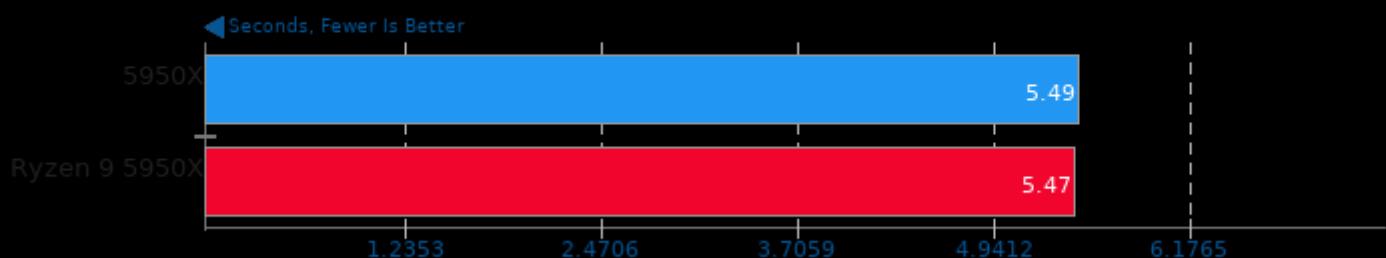
PHPBench 0.8.1

PHP Benchmark Suite



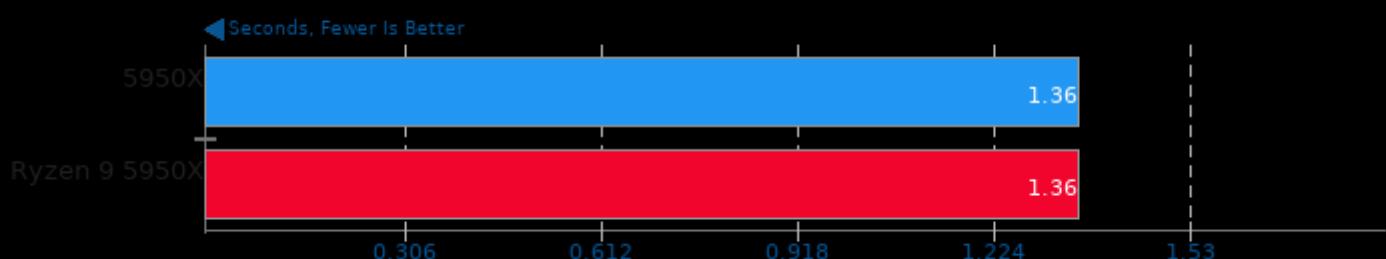
Polyhedron Fortran Benchmarks

Benchmark: ac



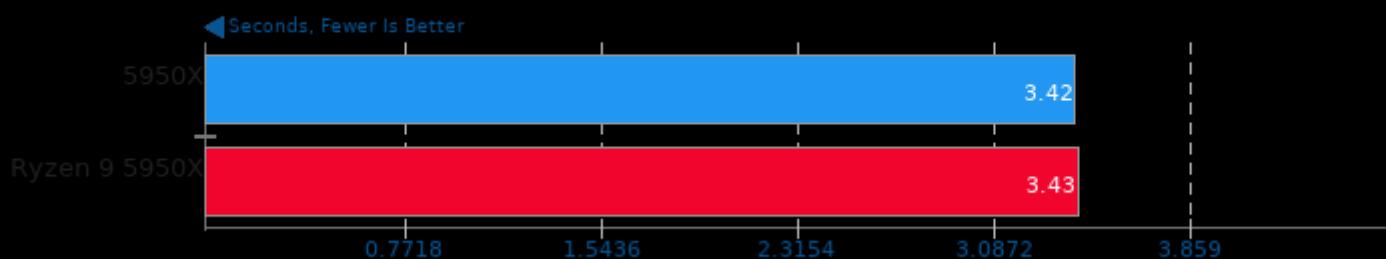
Polyhedron Fortran Benchmarks

Benchmark: air



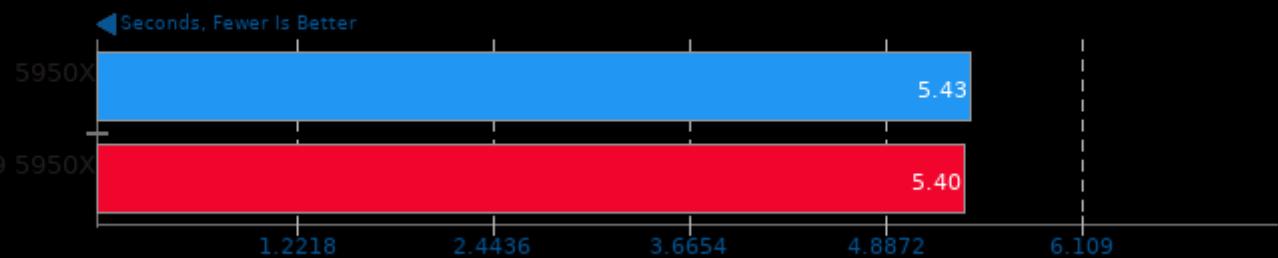
Polyhedron Fortran Benchmarks

Benchmark: mdbx



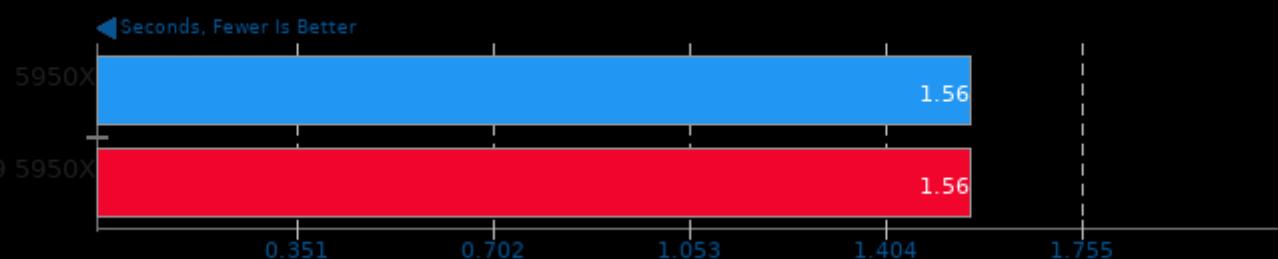
Polyhedron Fortran Benchmarks

Benchmark: doduc



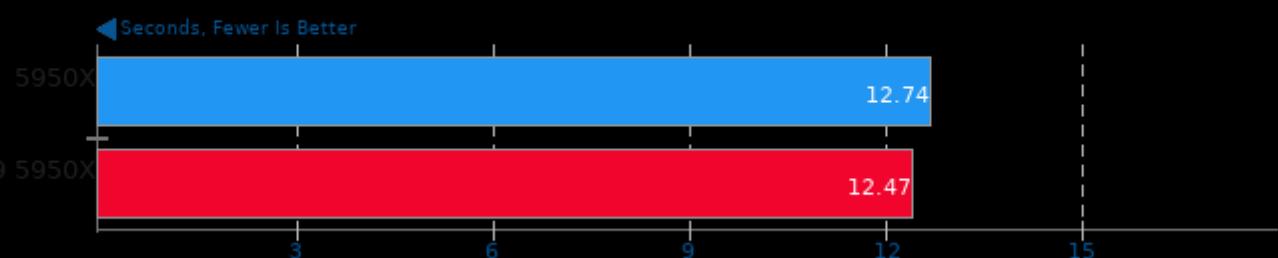
Polyhedron Fortran Benchmarks

Benchmark: linpk



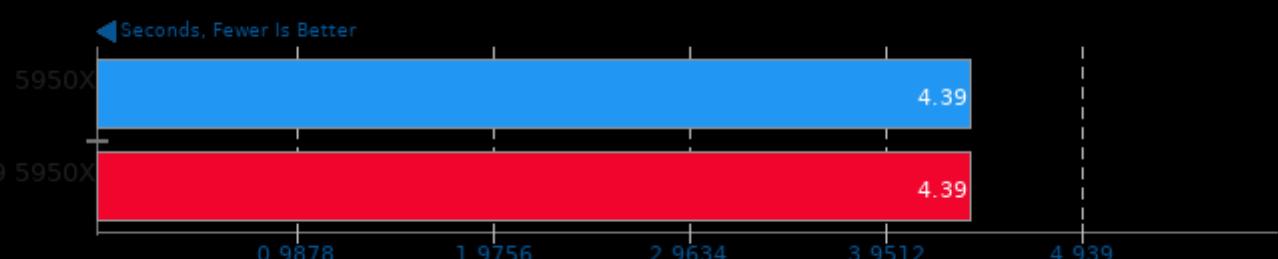
Polyhedron Fortran Benchmarks

Benchmark: tfft2



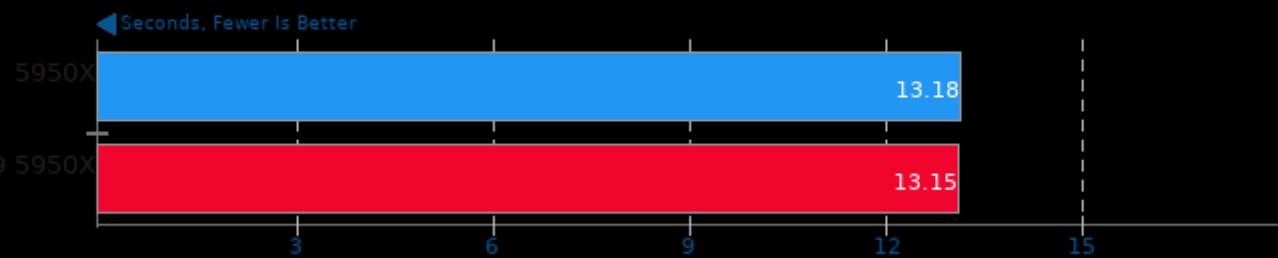
Polyhedron Fortran Benchmarks

Benchmark: aermod



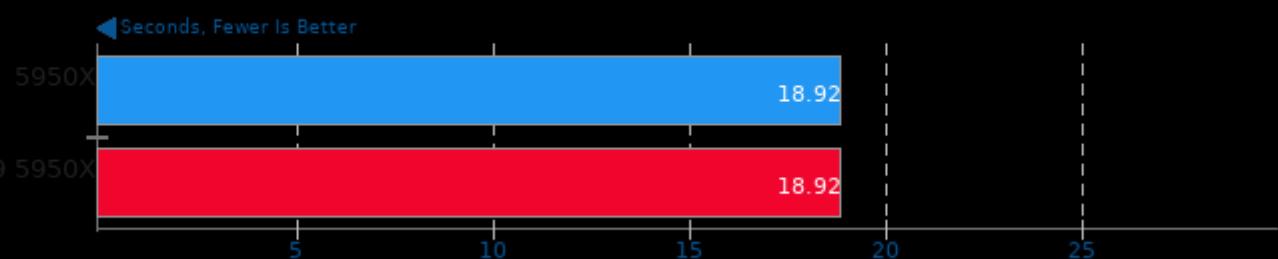
Polyhedron Fortran Benchmarks

Benchmark: rnflow



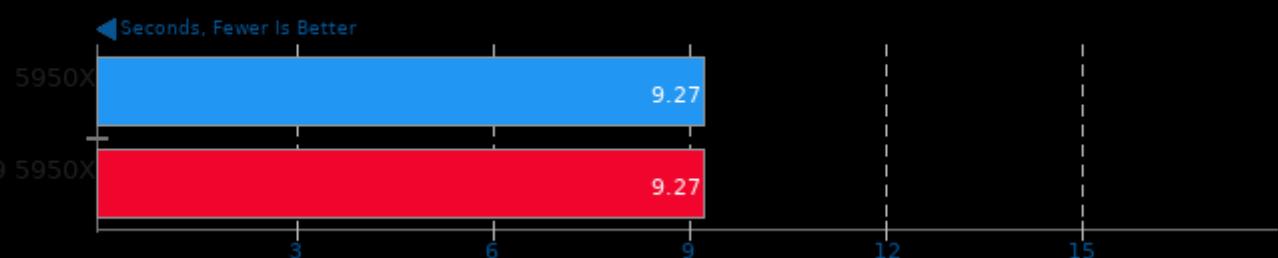
Polyhedron Fortran Benchmarks

Benchmark: induct2



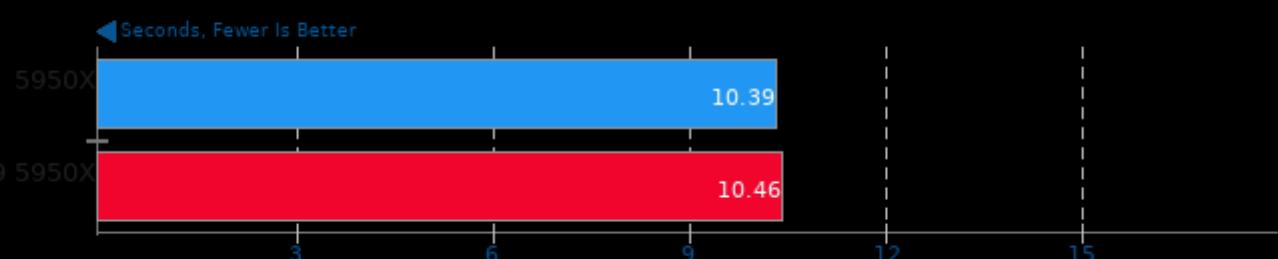
Polyhedron Fortran Benchmarks

Benchmark: protein



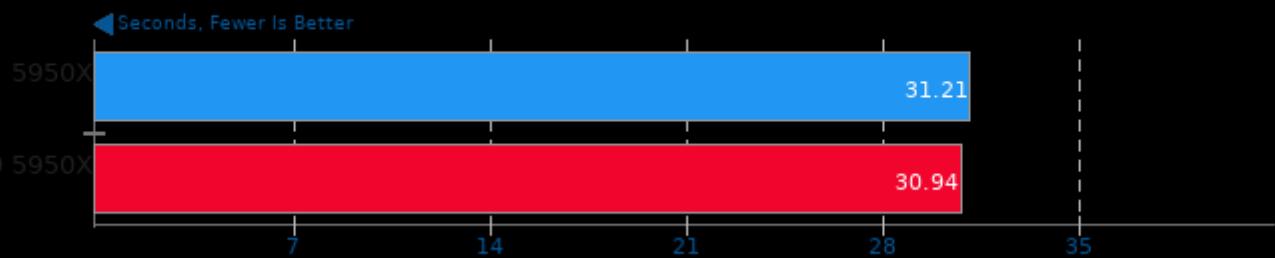
Polyhedron Fortran Benchmarks

Benchmark: capacita



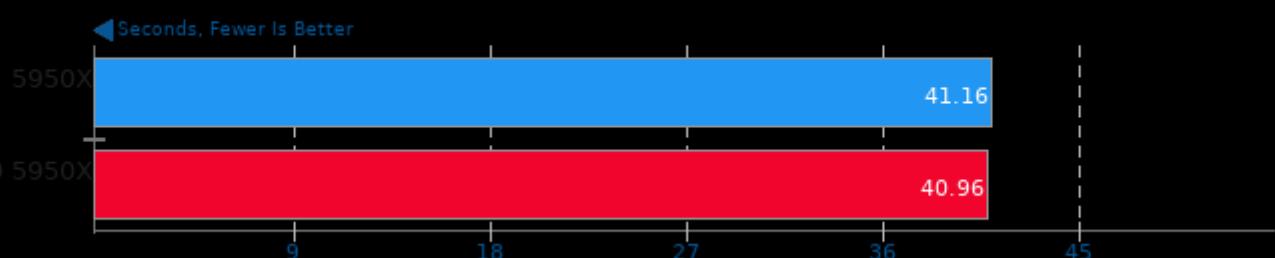
Polyhedron Fortran Benchmarks

Benchmark: channel2



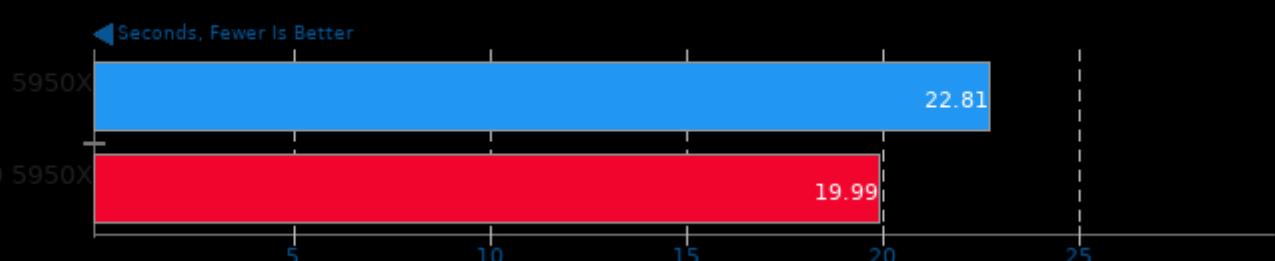
Polyhedron Fortran Benchmarks

Benchmark: fatigue2



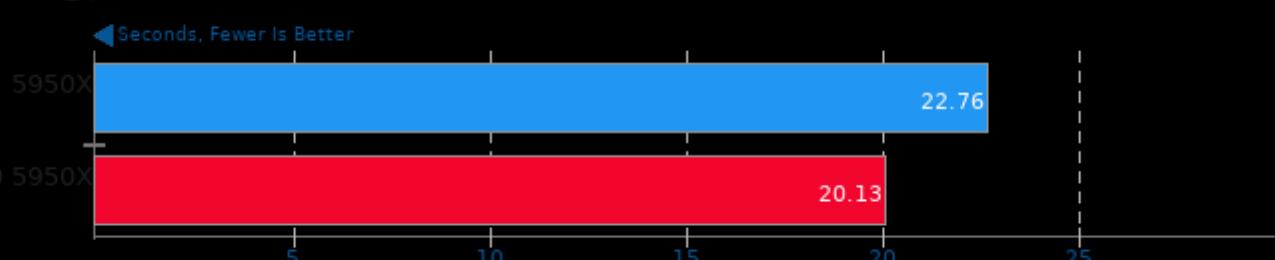
Polyhedron Fortran Benchmarks

Benchmark: gas_dyn2



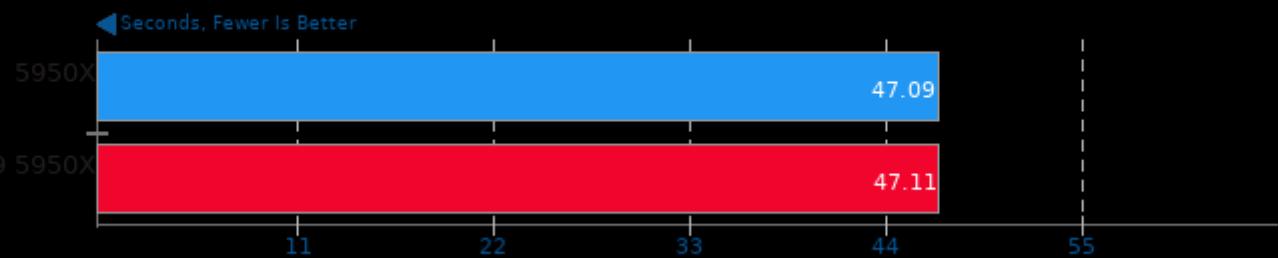
Polyhedron Fortran Benchmarks

Benchmark: test_fpu2



Polyhedron Fortran Benchmarks

Benchmark: mp_prop_design



PyBench 2018-02-16

Total For Average Test Times



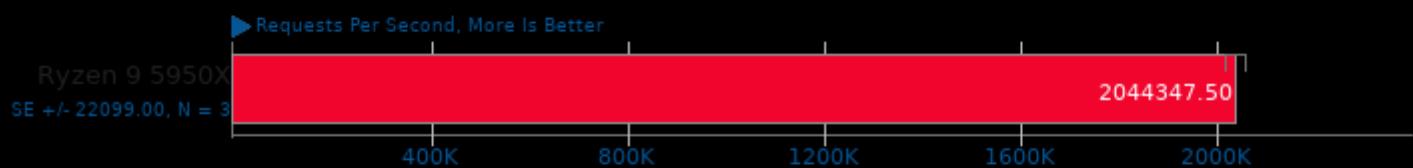
Radiance Benchmark 5.0

Test: Serial



Redis 6.0.9

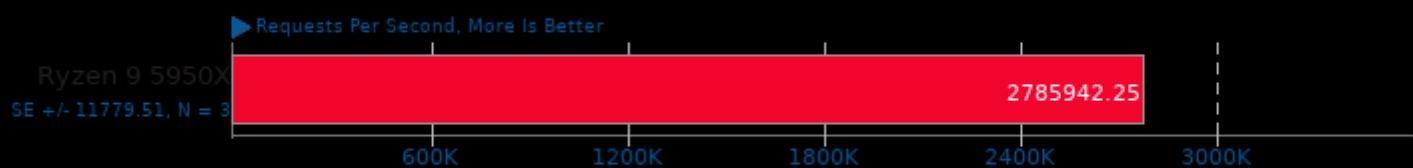
Test: LPOP



1. (CXX) g++ options: -MM -MT -g3 -fvisibility=hidden -O3

Redis 6.0.9

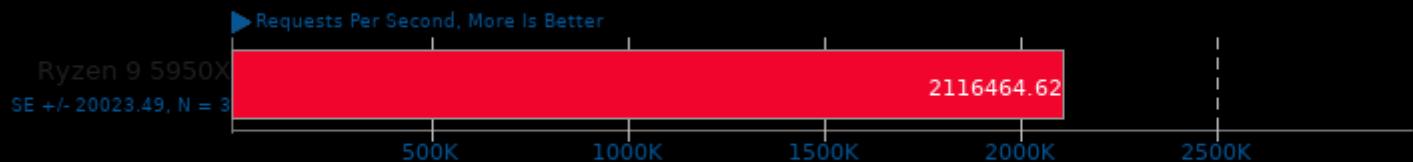
Test: SADD



1. (CXX) g++ options: -MM -MT -g3 -fvisibility=hidden -O3

Redis 6.0.9

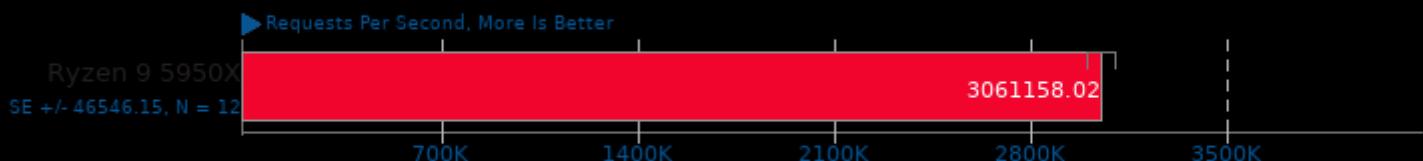
Test: LPUSH



1. (CXX) g++ options: -MM -MT -g3 -fvisibility=hidden -O3

Redis 6.0.9

Test: GET



1. (CXX) g++ options: -MM -MT -g3 -fvisibility=hidden -O3

Redis 6.0.9

Test: SET



1. (CXX) g++ options: -MM -MT -g3 -fvisibility=hidden -O3

SciMark 2.0

Computational Test: Composite



1. (CC) gcc options: -lm

SciMark 2.0

Computational Test: Monte Carlo



1. (CC) gcc options: -lm

SciMark 2.0

Computational Test: Fast Fourier Transform



1. (CC) gcc options: -lm

SciMark 2.0

Computational Test: Sparse Matrix Multiply



1. (CC) gcc options: -lm

SciMark 2.0

Computational Test: Dense LU Matrix Factorization



1. (CC) gcc options: -lm

SciMark 2.0

Computational Test: Jacobi Successive Over-Relaxation



1. (CC) gcc options: -lm

Sudokut 0.4

Total Time

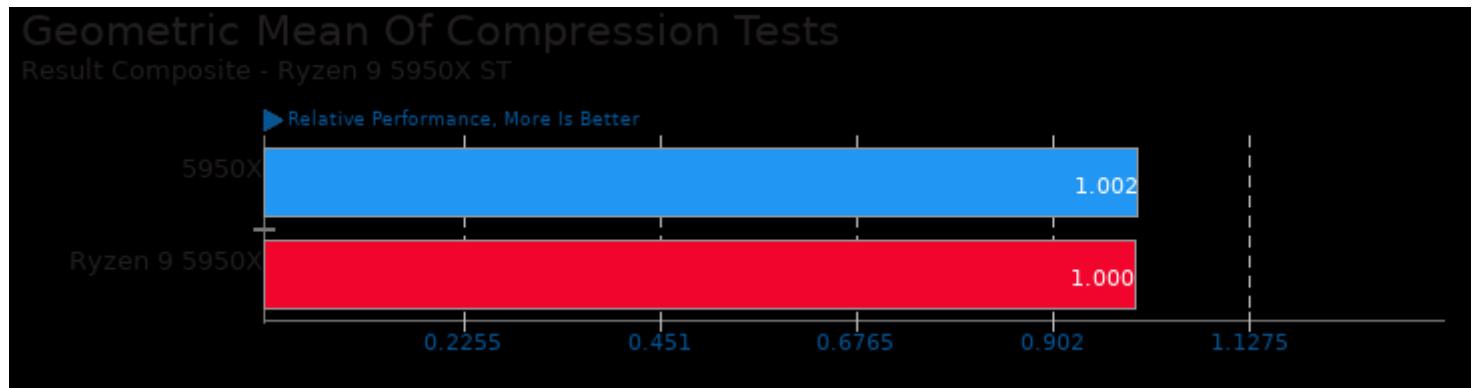


Tesseract OCR 4.1.1

Time To OCR 7 Images



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



Geometric mean based upon tests: pts/compress-gzip and pts/lzbench



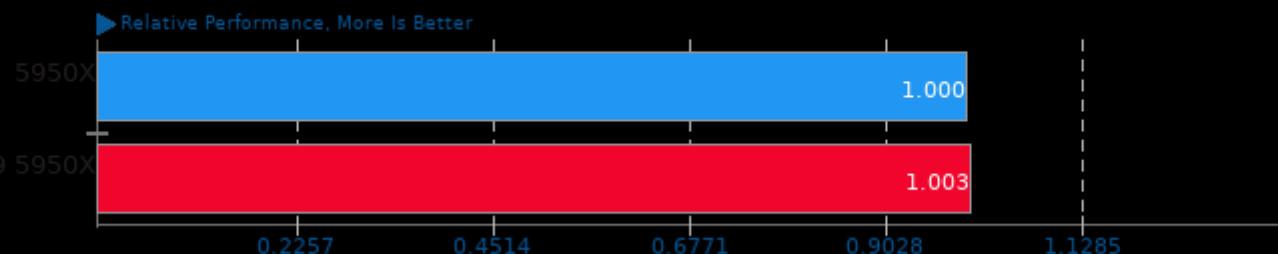
Geometric mean based upon tests: pts/blake2, pts/cachebench, pts/encode-flac, pts/encode-mp3, pts/glibc-bench, pts/hint, pts/java-scimark2, pts/lzbench, pts/minion, pts/nginx, pts/node-express-loadtest, pts(numpy, pts/phpbench, pts/radiance, pts/redis, system/tesseract-ocr, pts/botan and pts/tjbench



Geometric mean based upon tests: pts/blake2, pts/botan and pts/bork

Geometric Mean Of Java Tests

Result Composite - Ryzen 9 5950X ST



Geometric mean based upon tests: pts/bork and pts/java-scimark2

This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 06:37.