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test-multicore

AMD GX-424CC SOC testing with a Advantech Co DPX-W256 (W2560000060V116 BIOS) and AMD Radeon R4/R5 256MB on Ubuntu 20.04 via the Phoronix Test Suite.

Test Systems:

AMD GX-424CC SOC

Processor: AMD GX-424CC SOC @ 2.40GHz (4 Cores), Motherboard: Advantech Co DPX-W256 (W2560000060V116 BIOS), Chipset: AMD 16h, Memory: 2 x 4096 MB DDR3-1600MT/s SQR-SD3N-4G1K6SSGB, Disk: 32GB SQF-SLMV1-32G-BS + 250GB SSD 860 EVO mSAT, Graphics: AMD Radeon R4/R5 256MB (300MHz), Audio: AMD Kabini HDMI/DP, Network: 2 x Realtek RTL8111/8168/8411

OS: Ubuntu 20.04, Kernel: 5.11.0-25-generic (x86_64), Desktop: GNOME Shell 3.36.9, Display Server: X Server, OpenGL: 4.5 Mesa 21.0.3 (LLVM 12.0.0), Vulkan: 1.0.2, Compiler: GCC 9.3.0, File-System: ext4, Screen Resolution: 1920x1080

Kernel Notes: Transparent Huge Pages: madvise
Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-checking=release --enable-clocale-gnu --enable-default-pie

```
--enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++,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: 0x7030105
Java Notes: OpenJDK Runtime Environment (build 11.0.11+9-Ubuntu-0ubuntu2.20.04)
Python Notes: 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/swaps barriers and __user pointer sanitization + spectre_v2: Mitigation of Full AMD retpoline STIBP: disabled RSB filling +
srbs: Not affected + tsx_async_abort: Not affected
```

AMD GX-424CC SOC

High Performance Conjugate Gradient (GFLOP/s) 0.917146

Standard Deviation 0.1%

NAS Parallel Benchmarks - BT.C (Mop/s) 3518

Standard Deviation 0.1%

NAS Parallel Benchmarks - CG.C (Mop/s) 311.93

Standard Deviation 0.5%

NAS Parallel Benchmarks - EP.C (Mop/s) 115.89

Standard Deviation 0.7%

NAS Parallel Benchmarks - EP.D (Mop/s) 116.37

Standard Deviation 0.1%

NAS Parallel Benchmarks - FT.C (Mop/s) 1377

Standard Deviation 35.6%

NAS Parallel Benchmarks - LU.C (Mop/s) 3230

Standard Deviation 0.1%

NAS Parallel Benchmarks - MG.C (Mop/s) 1557

Standard Deviation 0.1%

NAS Parallel Benchmarks - SP.B (Mop/s) 1076

Standard Deviation 0%

NAS Parallel Benchmarks - SP.C (Mop/s) 1092

Standard Deviation 0.1%

Parboil - OpenMP LBM (sec) 580.497966

Standard Deviation 0%

Parboil - OpenMP CUTCP (sec) 28.133212

Standard Deviation 0.3%

Parboil - OpenMP Stencil (sec) 105.502449

Standard Deviation 0.4%

Parboil - O.M.G (sec) 51.965495

Standard Deviation 0.5%

Rodinia - OpenMP LavaMD (sec) 2816

Standard Deviation 0.2%

Rodinia - OpenMP HotSpot3D (sec) 459.602

Standard Deviation 0.1%

Rodinia - OpenMP Leukocyte (sec) 1344

Standard Deviation 0.1%

Rodinia - OpenMP CFD Solver (sec) 305.337

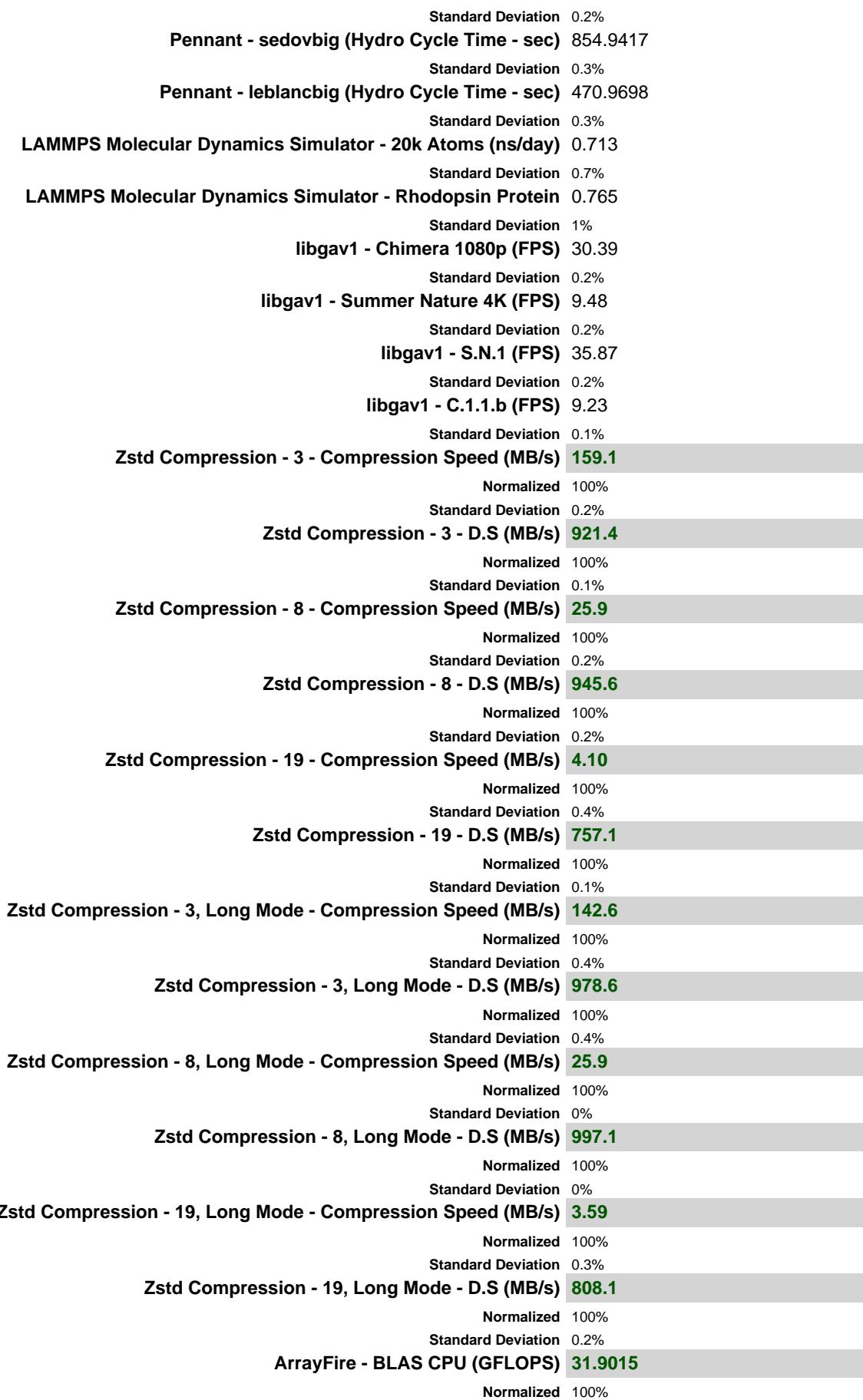
Standard Deviation 0.5%

Rodinia - O.S (sec) 88.193

Standard Deviation 0.3%

NAMD - ATPase Simulation - 327,506 Atoms (days/ns) 22.57007

Normalized 100%



	Standard Deviation	1.7%
John The Ripper - Blowfish (Real C/S)	2065	
	Standard Deviation	0.4%
John The Ripper - MD5 (Real C/S)	63560	
	Standard Deviation	0.1%
LuxCoreRender - DLSC - CPU (M samples/sec)	0.11	
	Standard Deviation	0%
LuxCoreRender - Orange Juice - CPU (M samples/sec)	0.14	
	Standard Deviation	0%
LuxCoreRender - R.C.a.P - CPU (M samples/sec)	0.45	
	Standard Deviation	0%
GraphicsMagick - Swirl (Iterations/min)	42	
	Standard Deviation	1.4%
GraphicsMagick - Rotate (Iterations/min)	213	
GraphicsMagick - Sharpen (Iterations/min)	14	
GraphicsMagick - Enhanced (Iterations/min)	14	
GraphicsMagick - Resizing (Iterations/min)	59	
GraphicsMagick - Noise-Gaussian (Iterations/min)	23	
GraphicsMagick - HWB Color Space (Iterations/min)	133	
dav1d - Chimera 1080p (FPS)	60.39	
	Standard Deviation	0.2%
dav1d - Summer Nature 4K (FPS)	14.24	
	Standard Deviation	0%
dav1d - S.N.1 (FPS)	56.04	
	Standard Deviation	0.4%
dav1d - C.1.1.b (FPS)	32.07	
	Standard Deviation	0.2%
OSPRay - San Miguel - SciVis (FPS)	1.00	
	Standard Deviation	0.1%
OSPRay - XFrog Forest - SciVis (FPS)	0.16	
	Standard Deviation	0.1%
OSPRay - San Miguel - Path Tracer (FPS)	0.08	
	Standard Deviation	0.1%
OSPRay - NASA Streamlines - SciVis (FPS)	1.22	
	Standard Deviation	0.1%
OSPRay - XFrog Forest - Path Tracer (FPS)	0.09	
	Standard Deviation	0.1%
OSPRay - M.R - SciVis (FPS)	0.88	
	Standard Deviation	0%
OSPRay - NASA Streamlines - Path Tracer (FPS)	0.24	
	Standard Deviation	0.1%
TTSIOD 3D Renderer - P.R.W.S.S.M (FPS)	50.2037	
	Normalized	100%
	Standard Deviation	0.2%
AOM AV1 - Speed 0 Two-Pass - Bosphorus 4K (FPS)	0.01	
	Standard Deviation	0%
AOM AV1 - Speed 4 Two-Pass - Bosphorus 4K (FPS)	0.23	
	Standard Deviation	0%
AOM AV1 - Speed 6 Realtime - Bosphorus 4K (FPS)	1.08	
	Standard Deviation	0.5%
AOM AV1 - Speed 6 Two-Pass - Bosphorus 4K (FPS)	0.42	
	Standard Deviation	0%

AOM AV1 - Speed 8 Realtime - Bosphorus 4K (FPS)	3.97
Standard Deviation	0.4%
AOM AV1 - Speed 9 Realtime - Bosphorus 4K (FPS)	6.28
Standard Deviation	0.1%
AOM AV1 - Speed 0 Two-Pass - Bosphorus 1080p (FPS)	0.03
Standard Deviation	0%
AOM AV1 - Speed 4 Two-Pass - Bosphorus 1080p (FPS)	0.54
Standard Deviation	0%
AOM AV1 - Speed 6 Realtime - Bosphorus 1080p (FPS)	1.96
Standard Deviation	0%
AOM AV1 - Speed 6 Two-Pass - Bosphorus 1080p (FPS)	1.47
Standard Deviation	0.4%
AOM AV1 - Speed 8 Realtime - Bosphorus 1080p (FPS)	14.52
Standard Deviation	0.8%
AOM AV1 - Speed 9 Realtime - Bosphorus 1080p (FPS)	18.51
Standard Deviation	0.4%
Embree - Pathtracer - Crown (FPS)	0.9295
Standard Deviation	2.1%
Embree - Pathtracer ISPC - Crown (FPS)	0.8519
Standard Deviation	0.2%
Embree - Pathtracer - Asian Dragon (FPS)	1.1990
Standard Deviation	0.3%
Embree - Pathtracer - Asian Dragon Obj (FPS)	1.0661
Standard Deviation	0.6%
Embree - Pathtracer ISPC - Asian Dragon (FPS)	1.0295
Standard Deviation	0.4%
Embree - Pathtracer ISPC - Asian Dragon Obj (FPS)	0.9023
Standard Deviation	0.2%
Kvazaar - Bosphorus 4K - Slow (FPS)	0.11
Standard Deviation	0%
Kvazaar - Bosphorus 4K - Medium (FPS)	0.11
Standard Deviation	0%
Kvazaar - Bosphorus 1080p - Slow (FPS)	0.52
Standard Deviation	0%
Kvazaar - Bosphorus 1080p - Medium (FPS)	0.52
Standard Deviation	0%
Kvazaar - Bosphorus 4K - Very Fast (FPS)	0.33
Standard Deviation	0%
Kvazaar - Bosphorus 4K - Ultra Fast (FPS)	0.75
Standard Deviation	0%
Kvazaar - Bosphorus 1080p - Very Fast (FPS)	1.37
Standard Deviation	0.4%
Kvazaar - Bosphorus 1080p - Ultra Fast (FPS)	3
rav1e - 1 (FPS)	0.060
Standard Deviation	1%
rav1e - 5 (FPS)	0.169
Standard Deviation	0.7%
rav1e - 6 (FPS)	0.214
Standard Deviation	0%
rav1e - 10 (FPS)	0.589
Standard Deviation	0.3%
SVT-AV1 - Preset 4 - Bosphorus 4K (FPS)	0.009
Standard Deviation	6.2%

SVT-AV1 - Preset 8 - Bosphorus 4K (FPS)	0.125
Standard Deviation	0.5%
SVT-AV1 - Preset 4 - Bosphorus 1080p (FPS)	0.039
Standard Deviation	0%
SVT-AV1 - Preset 8 - Bosphorus 1080p (FPS)	0.599
Standard Deviation	2.2%
SVT-HEVC - 1 - Bosphorus 1080p (FPS)	0.05
Standard Deviation	0%
SVT-HEVC - 7 - Bosphorus 1080p (FPS)	0.53
Standard Deviation	1.1%
SVT-HEVC - 10 - Bosphorus 1080p (FPS)	1.13
Standard Deviation	0.5%
VP9 libvpx Encoding - Speed 0 - Bosphorus 4K (FPS)	0.41
Standard Deviation	0%
VP9 libvpx Encoding - Speed 5 - Bosphorus 4K (FPS)	1.40
Standard Deviation	0.4%
VP9 libvpx Encoding - Speed 0 - Bosphorus 1080p (FPS)	1.14
Standard Deviation	0%
VP9 libvpx Encoding - Speed 5 - Bosphorus 1080p (FPS)	4.14
Standard Deviation	0.1%
x264 - H.2.V.E (FPS)	8.06
Normalized	100%
Standard Deviation	2%
x265 - Bosphorus 4K (FPS)	1.34
Standard Deviation	0%
x265 - Bosphorus 1080p (FPS)	5.90
Standard Deviation	0.4%
ACES DGEMM - S.F.P.R (GFLOP/s)	0.077119
Normalized	100%
Standard Deviation	0.4%
Intel Open Image Denoise - RT.hdr_alb_nrm.3840x2160 (Images /	0.02
Standard Deviation	0.1%
Intel Open Image Denoise - RT.ldr_alb_nrm.3840x2160 (Images /	0.02
Standard Deviation	0%
Intel Open Image Denoise - RTLightmap.hdr.4096x4096 (Images /	0.01
Standard Deviation	0.1%
OpenVKL - vklBenchmark (Items / Sec)	13
OpenVKL - vklBenchmarkVdbVolume (Items / Sec)	1884875
Standard Deviation	1%
OpenVKL - vklBenchmarkStructuredVolume (Items / Sec)	7735703
Standard Deviation	2.4%
OpenVKL - vklBenchmarkUnstructuredVolume (Items / Sec)	296881
Standard Deviation	0%
Coremark - CoreMark Size 666 - I.P.S (Iterations/Sec)	38642
Normalized	99.61%
Standard Deviation	0.9%
7-Zip Compression - C.S.T (MIPS)	5153
Normalized	100%
Standard Deviation	0.9%
Stockfish - Total Time (Nodes/s)	2106101
Normalized	99.87%
Standard Deviation	1.8%
asmFish - 1.H.M.2.D (Nodes/s)	3124268
Normalized	100%

Standard Deviation	0.6%
Swet - Average (Operations/sec)	201914966
Normalized	100%
Standard Deviation	1%
ebizzy (Records/s)	7042
Standard Deviation	1%
libavif avifenc - 0 (sec)	890.965
Standard Deviation	0.5%
libavif avifenc - 2 (sec)	467.953
Standard Deviation	0.3%
libavif avifenc - 6 (sec)	140.966
Standard Deviation	0.4%
libavif avifenc - 10 (sec)	21.447
Standard Deviation	0.9%
libavif avifenc - 6, Lossless (sec)	767.013
Standard Deviation	0.6%
libavif avifenc - 10, Lossless (sec)	31.989
Standard Deviation	0.3%
Timed Apache Compilation - Time To Compile (sec)	138.618
Normalized	100%
Standard Deviation	0.2%
Timed FFmpeg Compilation - Time To Compile (sec)	643.458
Normalized	100%
Standard Deviation	0.2%
Timed GCC Compilation - Time To Compile (sec)	7617
Normalized	99.75%
Standard Deviation	0.9%
Timed GDB GNU Debugger Compilation - Time To Compile (sec)	663.640
Normalized	100%
Standard Deviation	0.4%
Timed Godot Game Engine Compilation - Time To Compile (sec)	1653
Normalized	100%
Standard Deviation	0.1%
Timed ImageMagick Compilation - Time To Compile (sec)	327.549
Normalized	100%
Standard Deviation	0.2%
Timed Linux Kernel Compilation - Time To Compile (sec)	1116
Normalized	100%
Standard Deviation	0.4%
Timed LLVM Compilation - Ninja (sec)	10918
Standard Deviation	0%
Timed LLVM Compilation - Unix Makefiles (sec)	11016
Standard Deviation	0.1%
Timed Mesa Compilation - Time To Compile (sec)	692.801
Normalized	100%
Standard Deviation	0.2%
Timed MPlayer Compilation - Time To Compile (sec)	455.027
Normalized	100%
Standard Deviation	0.1%
Timed Node.js Compilation - Time To Compile (sec)	7027
Normalized	100%
Standard Deviation	0.1%
Timed PHP Compilation - Time To Compile (sec)	528.433
Normalized	100%
Standard Deviation	0%

Build2 - Time To Compile (sec)	1587	
Normalized	100%	
Standard Deviation	0.2%	
C-Ray - Total Time - 4.1.R.P.P (sec)	713.052	
Normalized	100%	
Standard Deviation	0%	
Parallel BZIP2 Compression - 2.F.C (sec)	37.310	
Normalized	100%	
Standard Deviation	1.7%	
POV-Ray - Trace Time (sec)	542.558	
Normalized	100%	
Standard Deviation	0.4%	
Primesieve - 1.P.N.G (sec)	246.931	
Normalized	100%	
Standard Deviation	0.2%	
Rust Mandelbrot - T.T.C.S.P.M (sec)	174.668	
Normalized	100%	
Standard Deviation	0.4%	
Rust Prime Benchmark - P.N.T.T.2.0.0 (sec)	137.678	
Normalized	100%	
Standard Deviation	0.2%	
Smallpt - G.I.R.1.S (sec)	122.772	
Normalized	100%	
Standard Deviation	2.6%	
Tungsten Renderer - Hair (sec)	281.968	
Standard Deviation	0.1%	
Tungsten Renderer - Water Caustic (sec)	174.280	
Standard Deviation	0.3%	
Tungsten Renderer - Non-Exponential (sec)	74.5949	
Standard Deviation	0.6%	
Tungsten Renderer - Volumetric Caustic (sec)	106.489	
Standard Deviation	0.5%	
YafaRay - T.T.F.S.S (sec)	1374	
Normalized	100%	
Standard Deviation	0.6%	
oneDNN - IP Shapes 1D - f32 - CPU (ms)	96.2267	
Standard Deviation	0.3%	
oneDNN - IP Shapes 3D - f32 - CPU (ms)	49.1076	
Standard Deviation	0.7%	
oneDNN - IP Shapes 1D - u8s8f32 - CPU (ms)	41.4672	
Standard Deviation	0.1%	
oneDNN - IP Shapes 3D - u8s8f32 - CPU (ms)	17.5960	
Standard Deviation	0.6%	
oneDNN - C.B.S.A - f32 - CPU (ms)	101.0684	
Standard Deviation	1.1%	
oneDNN - D.B.s - f32 - CPU (ms)	214.029	
Standard Deviation	0.4%	
oneDNN - D.B.s - f32 - CPU (ms)	318.858	
Standard Deviation	0.1%	
oneDNN - C.B.S.A - u8s8f32 - CPU (ms)	100.409	
Standard Deviation	0.3%	
oneDNN - D.B.s - u8s8f32 - CPU (ms)	46.1858	
Standard Deviation	0.4%	
oneDNN - D.B.s - u8s8f32 - CPU (ms)	70.6852	

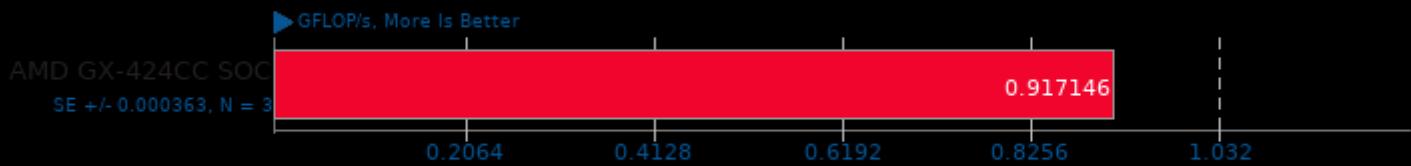
	Standard Deviation	0.5%
oneDNN - R.N.N.T - f32 - CPU (ms)	125912	
	Standard Deviation	0%
oneDNN - R.N.N.I - f32 - CPU (ms)	62620	
	Standard Deviation	0.2%
oneDNN - R.N.N.T - u8s8f32 - CPU (ms)	126045	
	Standard Deviation	0.2%
oneDNN - R.N.N.I - u8s8f32 - CPU (ms)	62670	
	Standard Deviation	0.2%
oneDNN - M.M.B.S.T - f32 - CPU (ms)	42.4270	
	Standard Deviation	0.3%
oneDNN - R.N.N.T - bf16bf16bf16 - CPU (ms)	126000	
	Standard Deviation	0%
oneDNN - R.N.N.I - bf16bf16bf16 - CPU (ms)	62539	
	Standard Deviation	0.1%
oneDNN - M.M.B.S.T - u8s8f32 - CPU (ms)	46.8205	
	Standard Deviation	0.3%
AOBench - 2048 x 2048 - Total Time (sec)	123.983	
	Normalized	99.8%
	Standard Deviation	0.3%
Timed Eigen Compilation - Time To Compile (sec)	354.793	
	Normalized	100%
	Standard Deviation	0.1%
Timed Erlang/OTP Compilation - Time To Compile (sec)	849.933	
	Normalized	100%
	Standard Deviation	0.1%
Timed Wasmer Compilation - Time To Compile (sec)	1158	
	Normalized	100%
	Standard Deviation	1.1%
FFmpeg - H.2.H.T.N.D (sec)	20.211	
	Normalized	98.65%
	Standard Deviation	0.4%
m-queens - Time To Solve (sec)	555.129	
	Normalized	100%
	Standard Deviation	0%
N-Queens - Elapsed Time (sec)	90.998	
	Normalized	100%
	Standard Deviation	0.3%
Radiance Benchmark - Serial (sec)	2757	
Radiance Benchmark - SMP Parallel (sec)	922.835	
Cpuminer-Opt - Magi (kH/s)	24.51	
	Standard Deviation	0.3%
Cpuminer-Opt - x25x (kH/s)	21.39	
	Standard Deviation	0.4%
Cpuminer-Opt - Deepcoin (kH/s)	720.53	
	Standard Deviation	6.4%
Cpuminer-Opt - Ringcoin (kH/s)	171.57	
	Standard Deviation	3%
Cpuminer-Opt - Blake-2 S (kH/s)	18920	
	Standard Deviation	6.9%
Cpuminer-Opt - Garlicoin (kH/s)	128.63	
	Standard Deviation	2%
Cpuminer-Opt - Skeincoin (kH/s)	1664	
	Standard Deviation	1.2%

Cpuminer-Opt - Myriad-Groestl (kH/s)	1044	Standard Deviation	1.6%
Cpuminer-Opt - LBC, LBRY Credits (kH/s)	682.02	Standard Deviation	7%
Cpuminer-Opt - Q.S.2.P (kH/s)	3330	Standard Deviation	12.2%
Cpuminer-Opt - T.S.2.O (kH/s)	2595	Standard Deviation	11.9%
ASKAP - tConvolve MT - Gridding (Million Grid Points/sec)	237.800	Normalized	100%
		Standard Deviation	0.1%
ASKAP - tConvolve MT - Degridding (Million Grid Points/sec)	401.293	Normalized	100%
		Standard Deviation	0.3%
ASKAP - tConvolve MPI - Degridding (Mpix/sec)	157.628	Normalized	100%
		Standard Deviation	0.3%
ASKAP - tConvolve MPI - Gridding (Mpix/sec)	134.104	Normalized	100%
		Standard Deviation	0.2%
ASKAP - tConvolve OpenMP - Gridding (Million Grid Points/sec)	217.062	Normalized	100%
		Standard Deviation	0.6%
ASKAP - tConvolve OpenMP - Degridding (Million Grid Points/sec)	409.625	Normalized	100%
		Standard Deviation	0.2%
ASKAP - H.C.O (Iterations/sec)	34.2587	Normalized	100%
		Standard Deviation	0.4%
Intel MPI Benchmarks - IMB-P2P PingPong (Msg/sec)	1416302	Normalized	100%
		Standard Deviation	4.7%
Intel MPI Benchmarks - IMB-MPI1 Exchange (Mbytes/sec)	1609	Normalized	100%
		Standard Deviation	1.2%
Intel MPI Benchmarks - IMB-MPI1 Exchange (usec)	1054	Normalized	100%
		Standard Deviation	3.4%
Intel MPI Benchmarks - IMB-MPI1 PingPong (Mbytes/sec)	1311	Normalized	100%
		Standard Deviation	2.2%
Intel MPI Benchmarks - IMB-MPI1 Sendrecv (Mbytes/sec)	1593	Normalized	100%
		Standard Deviation	1.1%
Intel MPI Benchmarks - IMB-MPI1 Sendrecv (usec)	548.76	Normalized	100%
		Standard Deviation	4.2%
GROMACS - MPI CPU - water_GMX50_bare (Ns/Day)	0.039	Standard Deviation	0%
MariaDB - 1 (Queries/sec)	2239	Standard Deviation	0.9%
MariaDB - 4 (Queries/sec)	1193	Standard Deviation	0.2%
MariaDB - 8 (Queries/sec)	720	Standard Deviation	0.4%

MariaDB - 16 (Queries/sec) 393
Standard Deviation 0%
MariaDB - 32 (Queries/sec) 205
Standard Deviation 0.6%
MariaDB - 64 (Queries/sec) 104
Standard Deviation 0%
OpenVKL - vkIBenchmark ISPC (Items / Sec) 5
OpenVKL - v.S (Items / Sec) 4
MariaDB - 1 (Queries/sec) 3492
Standard Deviation 0.2%
MariaDB - 8 (Queries/sec) 1402
Standard Deviation 0.4%
MariaDB - 16 (Queries/sec) 737
Standard Deviation 0.4%
MariaDB - 32 (Queries/sec) 374
Standard Deviation 0.1%
MariaDB - 64 (Queries/sec) 190
Standard Deviation 0.3%
MariaDB - 128 (Queries/sec) 95
Standard Deviation 0.1%
MariaDB - 256 (Queries/sec) 76
Standard Deviation 0.8%
MariaDB - 512 (Queries/sec) 34
Standard Deviation 0.6%
MariaDB - 1024 (Queries/sec) 8
Standard Deviation 1.5%
MariaDB - 2048 (Queries/sec) 8
Standard Deviation 0.5%
MariaDB - 4096 (Queries/sec) 8
Standard Deviation 0.5%
Sysbench - RAM / Memory (MiB/sec) 4400
Standard Deviation 1.5%
Sysbench - CPU (Events/sec) 4443
Standard Deviation 0%
OpenVINO - F.D.O.F - CPU (FPS) 0.11
Standard Deviation 0%
OpenVINO - F.D.O.F - CPU (ms) 36770
Standard Deviation 0.7%
OpenVINO - F.D.O.F - CPU (FPS) 0.11
Standard Deviation 0%
OpenVINO - F.D.O.F - CPU (ms) 36707
Standard Deviation 0.3%
OpenVINO - P.D.O.F - CPU (FPS) 0.07
Standard Deviation 0%
OpenVINO - P.D.O.F - CPU (ms) 56075
Standard Deviation 0.7%
OpenVINO - P.D.O.F - CPU (FPS) 0.07
Standard Deviation 0%
OpenVINO - P.D.O.F - CPU (ms) 56334
Standard Deviation 0.1%
OpenVINO - A.G.R.R.O.F - CPU (FPS) 323.04
Standard Deviation 0.3%
OpenVINO - A.G.R.R.O.F - CPU (ms) 11.81

Standard Deviation 0.3%
OpenVINO - A.G.R.R.0.F - CPU (FPS) 323.47
Standard Deviation 0.3%
OpenVINO - A.G.R.R.0.F - CPU (ms) 11.81
Standard Deviation 0.2%
IndigoBench - CPU - Bedroom (M samples/s) 0.147
Standard Deviation 0%
IndigoBench - CPU - Supercar (M samples/s) 0.284
Standard Deviation 0.8%
Apache Cassandra - Writes (Op/s) 5578
Standard Deviation 2.3%
Blender - BMW27 - CPU-Only (sec) 2341
Standard Deviation 0.3%
Xsbench (Lookups/s) 217073
Standard Deviation 0.2%
NeatBench - All (FPS) 0.883
Standard Deviation 0.2%
NeatBench - CPU (FPS) 0.884
Standard Deviation 0.2%
Natron - Spaceship (FPS) 0.3
Standard Deviation 0%
Appleseed - Emily (sec) 5238
Appleseed - Disney Material (sec) 4011
Appleseed - Material Tester (sec) 3278

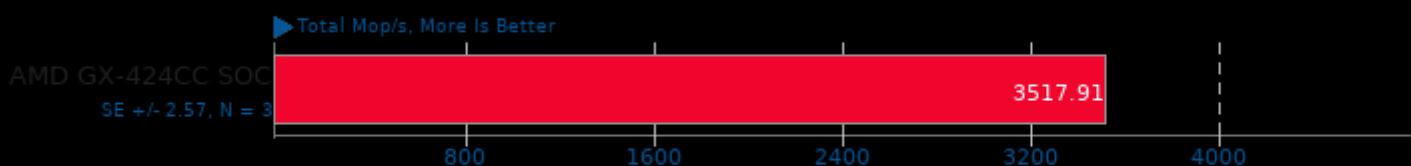
High Performance Conjugate Gradient 3.1



1. (CXX) g++ options: -O3 -ffast-math -ftree-vectorize -pthread -lmpi_cxx -lmpi

NAS Parallel Benchmarks 3.4

Test / Class: BT.C

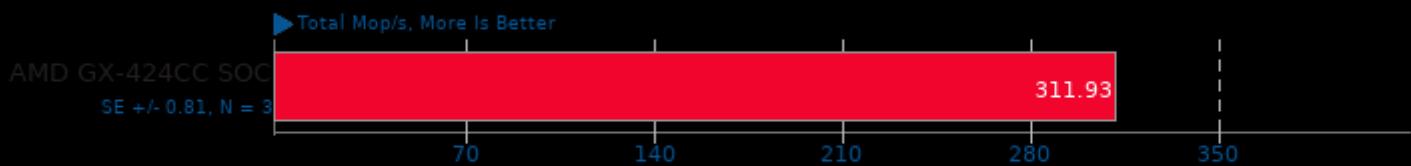


1. (F9X) gfortran options: -O3 -march=native -pthread -lmpi_usempif08 -lmpi_mpifh -lmpi

2. Open MPI 4.0.3

NAS Parallel Benchmarks 3.4

Test / Class: CG.C

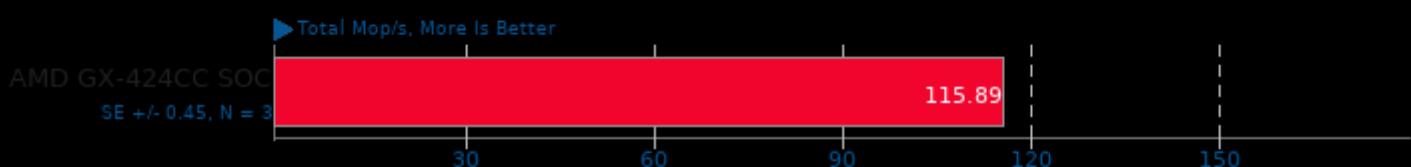


1. (F9X) gfortran options: -O3 -march=native -pthread -lmpi_usempif08 -lmpi_mpifh -lmpi

2. Open MPI 4.0.3

NAS Parallel Benchmarks 3.4

Test / Class: EP.C

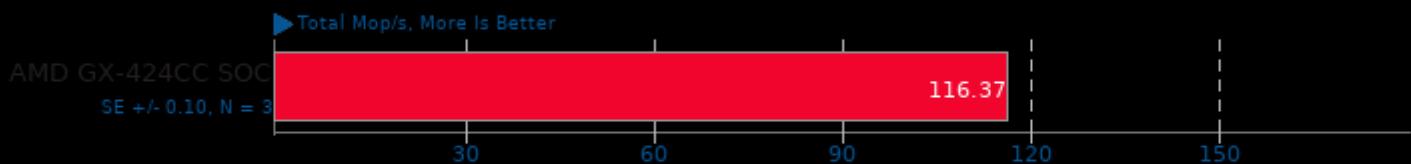


1. (F9X) gfortran options: -O3 -march=native -pthread -lmpi_usempif08 -lmpi_mpifh -lmpi

2. Open MPI 4.0.3

NAS Parallel Benchmarks 3.4

Test / Class: EP.D



1. (F9X) gfortran options: -O3 -march=native -pthread -lmpi_usempif08 -lmpi_mpifh -lmpi

2. Open MPI 4.0.3

NAS Parallel Benchmarks 3.4

Test / Class: FT.C



1. (F9X) gfortran options: -O3 -march=native -pthread -lmpi_usempif08 -lmpi_mpifh -lmpi

2. Open MPI 4.0.3

NAS Parallel Benchmarks 3.4

Test / Class: LU.C

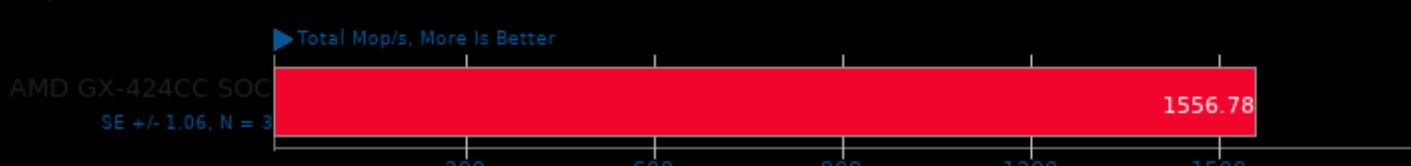


1. (F9X) gfortran options: -O3 -march=native -pthread -lmpi_usempif08 -lmpi_mpifh -lmpi

2. Open MPI 4.0.3

NAS Parallel Benchmarks 3.4

Test / Class: MG.C

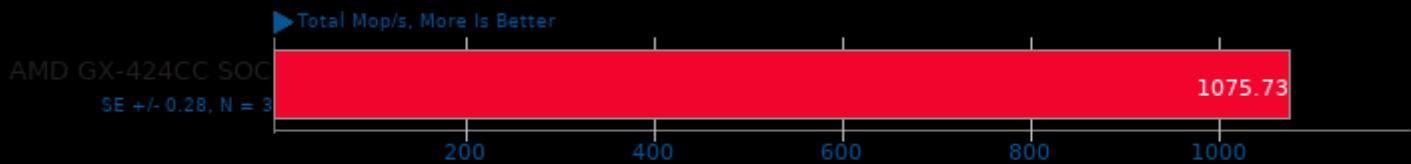


1. (F9X) gfortran options: -O3 -march=native -pthread -lmpi_usempif08 -lmpi_mpifh -lmpi

2. Open MPI 4.0.3

NAS Parallel Benchmarks 3.4

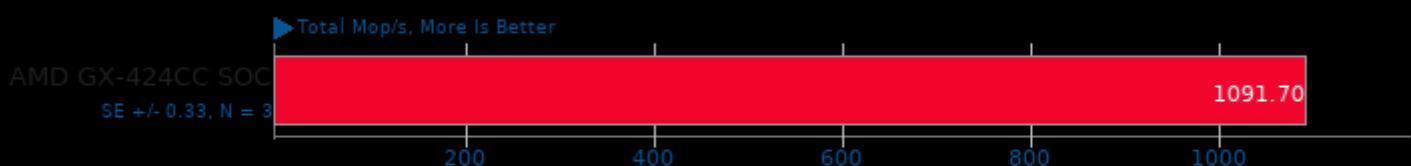
Test / Class: SP.B



1. (F9X) gfortran options: -O3 -march=native -pthread -lmpi_usempif08 -lmpi_mpifh -lmpi
2. Open MPI 4.0.3

NAS Parallel Benchmarks 3.4

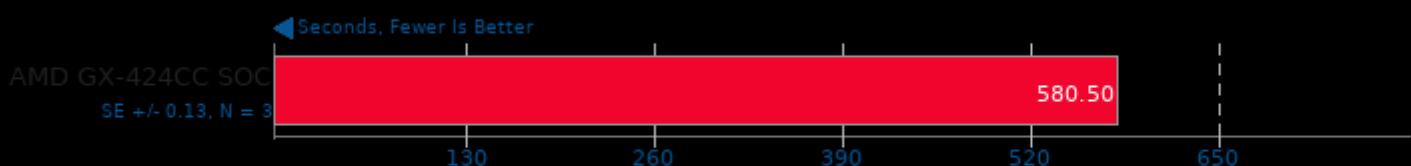
Test / Class: SP.C



1. (F9X) gfortran options: -O3 -march=native -pthread -lmpi_usempif08 -lmpi_mpifh -lmpi
2. Open MPI 4.0.3

Parboil 2.5

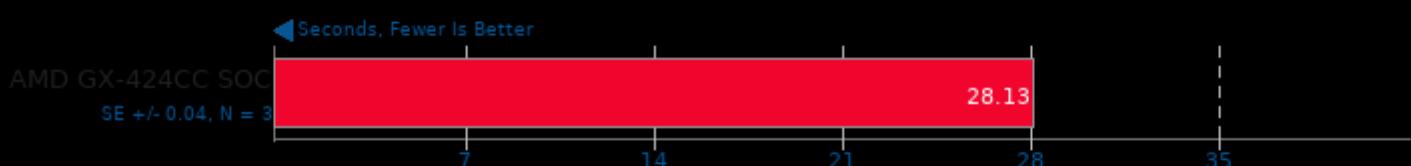
Test: OpenMP LBM



1. (CXX) g++ options: -lm -lpthread -lgomp -O3 -ffast-math -fopenmp

Parboil 2.5

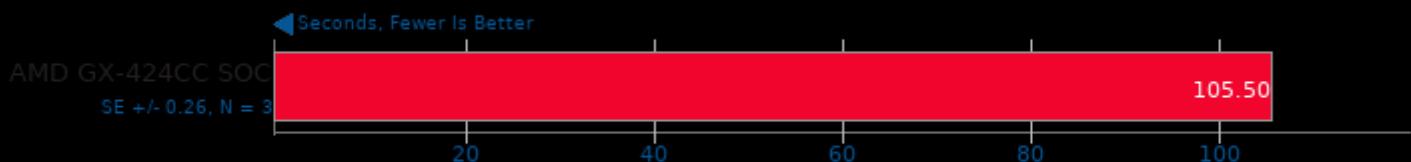
Test: OpenMP CUTCP



1. (CXX) g++ options: -lm -lpthread -lgomp -O3 -ffast-math -fopenmp

Parboil 2.5

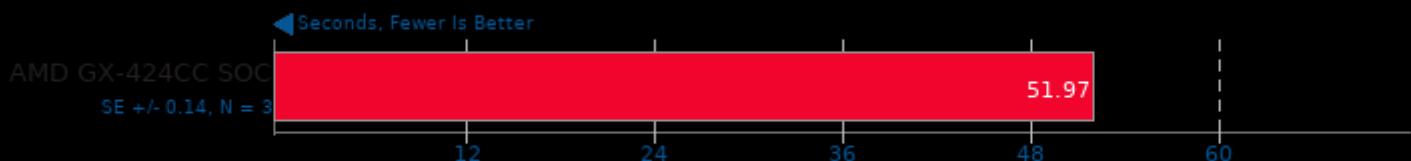
Test: OpenMP Stencil



1. (CXX) g++ options: -lm -lpthread -lgomp -O3 -ffast-math -fopenmp

Parboil 2.5

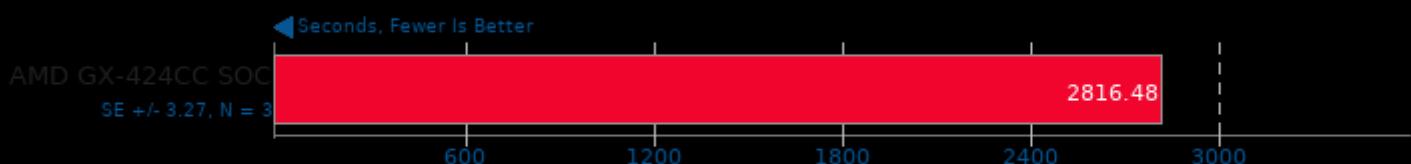
Test: OpenMP MRI Gridding



1. (CXX) g++ options: -lm -lpthread -lgomp -O3 -ffast-math -fopenmp

Rodinia 3.1

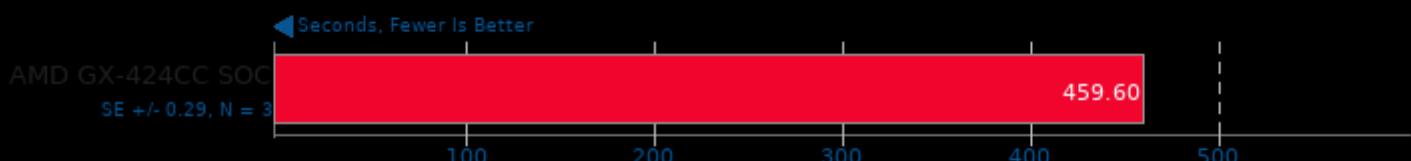
Test: OpenMP LavaMD



1. (CXX) g++ options: -O2 -fOpenCL

Rodinia 3.1

Test: OpenMP HotSpot3D



1. (CXX) g++ options: -O2 -fOpenCL

Rodinia 3.1

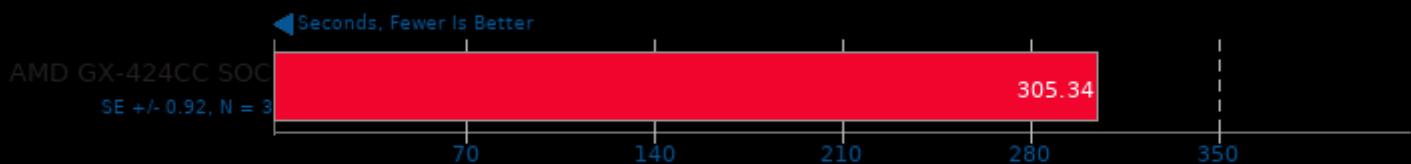
Test: OpenMP Leukocyte



1. (CXX) g++ options: -O2 -fOpenCL

Rodinia 3.1

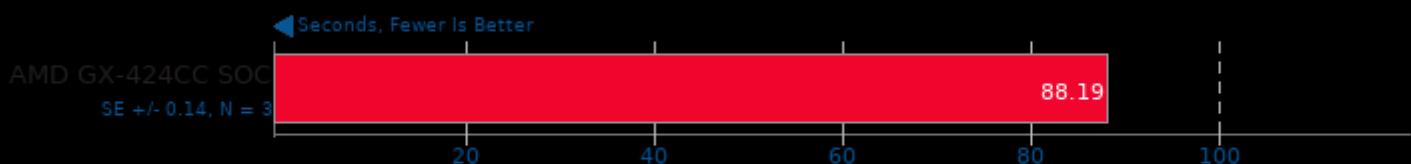
Test: OpenMP CFD Solver



1. (CXX) g++ options: -O2 -fOpenCL

Rodinia 3.1

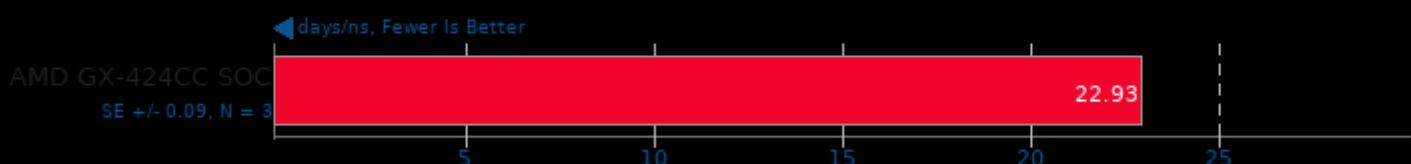
Test: OpenMP Streamcluster



1. (CXX) g++ options: -O2 -fOpenCL

NAMD 2.14

ATPase Simulation - 327,506 Atoms



Pennant 1.0.1

Test: sedovbig



1. (CXX) g++ options: -fopenmp -pthread -fmpi_cxx -fmpi

Pennant 1.0.1

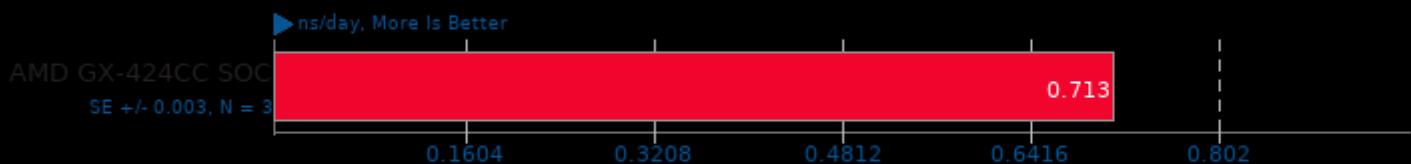
Test: leblancbig



1. (CXX) g++ options: -fopenmp -pthread -fmpi_cxx -fmpi

LAMMPS Molecular Dynamics Simulator 29Oct2020

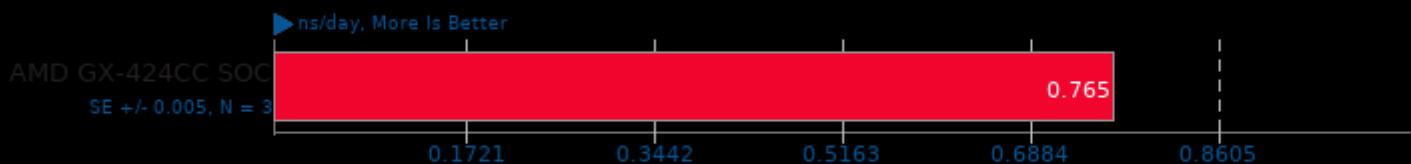
Model: 20k Atoms



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

LAMMPS Molecular Dynamics Simulator 29Oct2020

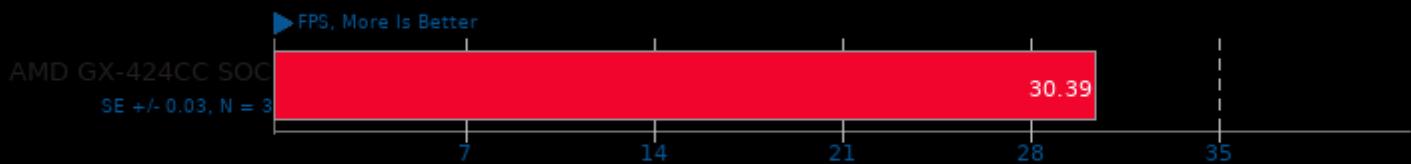
Model: Rhodopsin Protein



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

libgav1 0.16.3

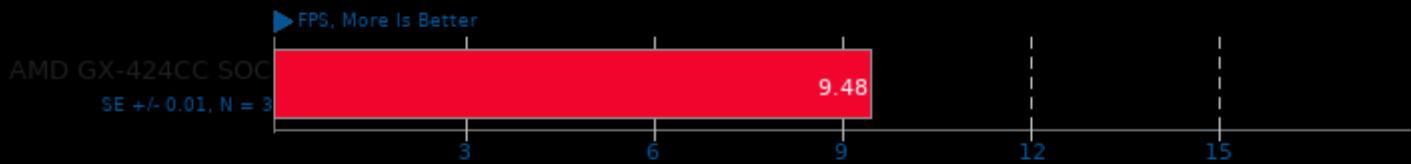
Video Input: Chimera 1080p



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

libgav1 0.16.3

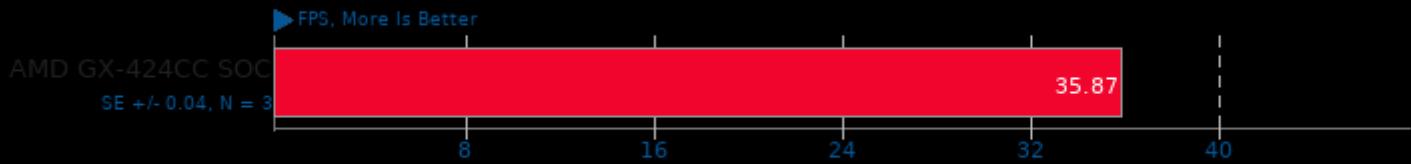
Video Input: Summer Nature 4K



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

libgav1 0.16.3

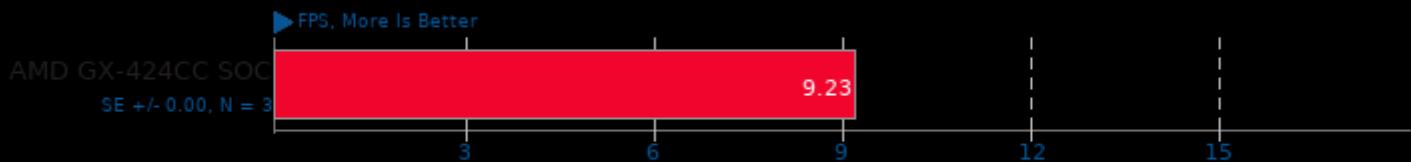
Video Input: Summer Nature 1080p



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

libgavl 0.16.3

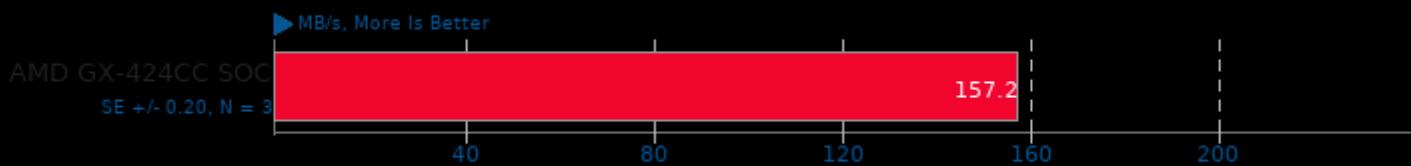
Video Input: Chimera 1080p 10-bit



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

Zstd Compression 1.5.0

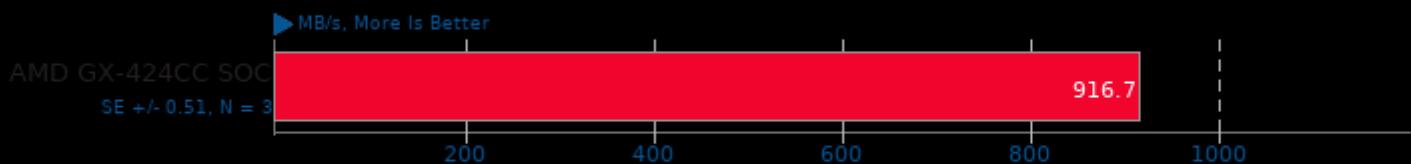
Compression Level: 3 - Compression Speed



1. (CC) gcc options: -O3 -pthread -lz -lizma

Zstd Compression 1.5.0

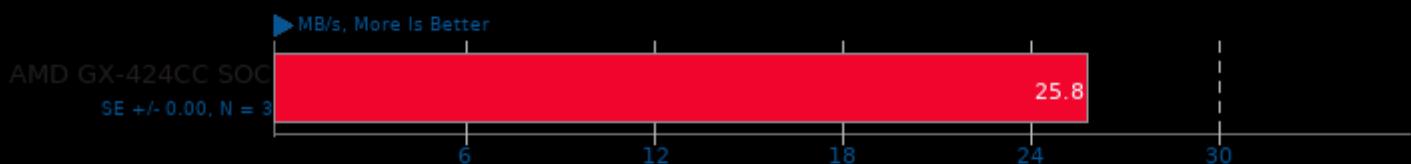
Compression Level: 3 - Decompression Speed



1. (CC) gcc options: -O3 -pthread -lz -lizma

Zstd Compression 1.5.0

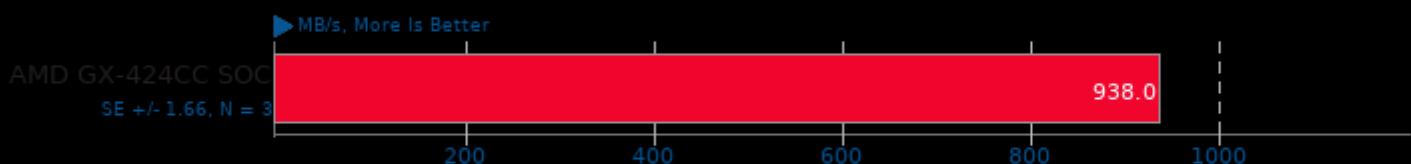
Compression Level: 8 - Compression Speed



1. (CC) gcc options: -O3 -pthread -lz -lizma

Zstd Compression 1.5.0

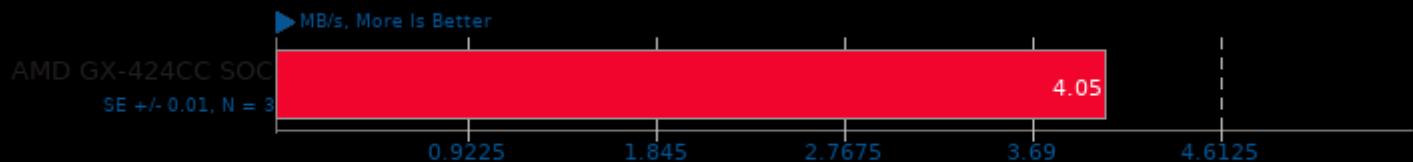
Compression Level: 8 - Decompression Speed



1. (CC) gcc options: -O3 -pthread -lz -lizma

Zstd Compression 1.5.0

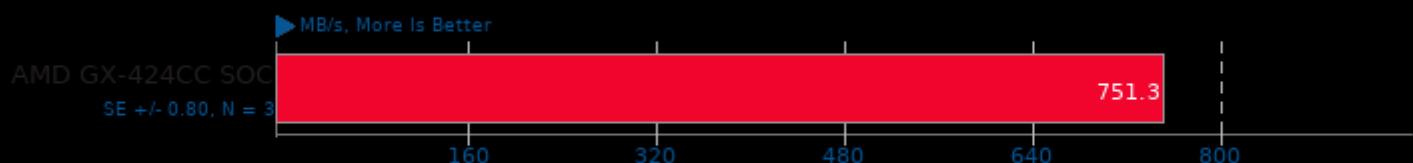
Compression Level: 19 - Compression Speed



1. (CC) gcc options: -O3 -pthread -lz -lizma

Zstd Compression 1.5.0

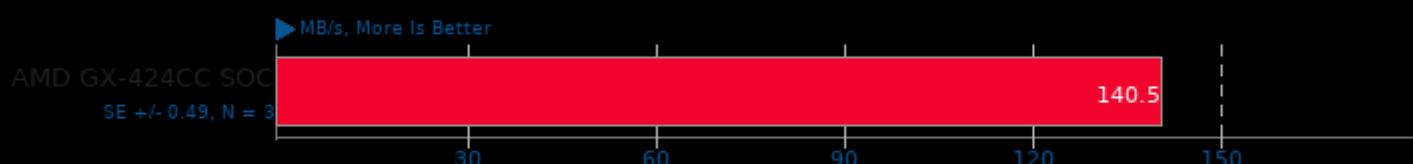
Compression Level: 19 - Decompression Speed



1. (CC) gcc options: -O3 -pthread -lz -lizma

Zstd Compression 1.5.0

Compression Level: 3, Long Mode - Compression Speed



1. (CC) gcc options: -O3 -pthread -lz -lizma

Zstd Compression 1.5.0

Compression Level: 3, Long Mode - Decompression Speed



1. (CC) gcc options: -O3 -pthread -lz -lizma

Zstd Compression 1.5.0

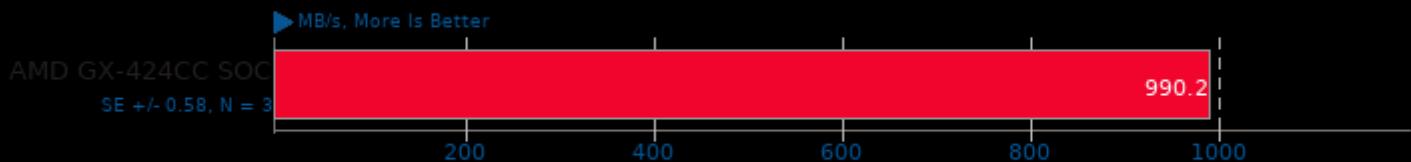
Compression Level: 8, Long Mode - Compression Speed



1. (CC) gcc options: -O3 -pthread -lz -lizma

Zstd Compression 1.5.0

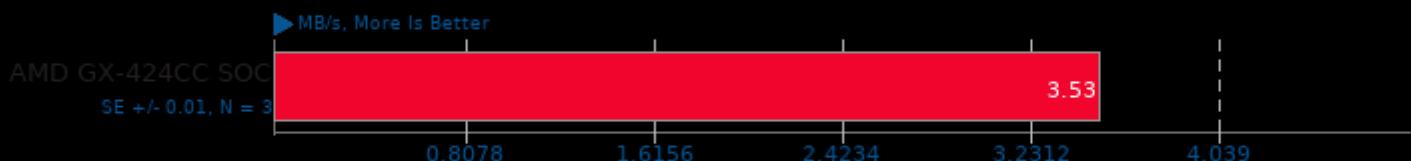
Compression Level: 8, Long Mode - Decompression Speed



1. (CC) gcc options: -O3 -pthread -lz -lizma

Zstd Compression 1.5.0

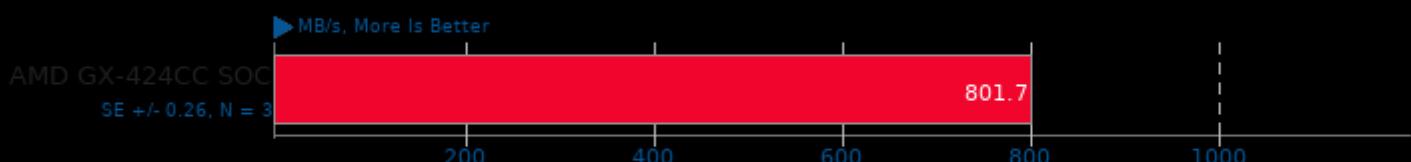
Compression Level: 19, Long Mode - Compression Speed



1. (CC) gcc options: -O3 -pthread -lz -lizma

Zstd Compression 1.5.0

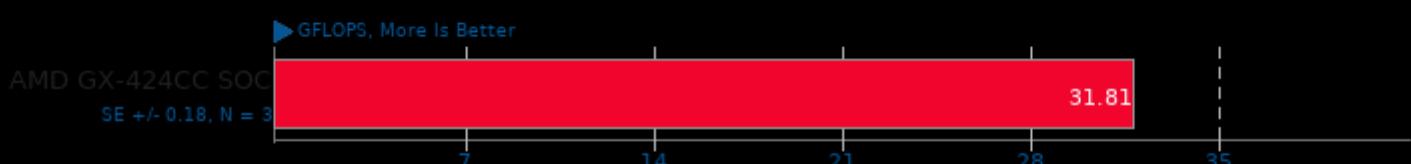
Compression Level: 19, Long Mode - Decompression Speed



1. (CC) gcc options: -O3 -pthread -lz -lizma

ArrayFire 3.7

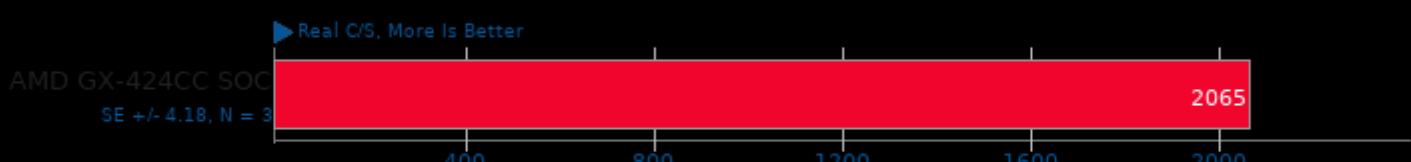
Test: BLAS CPU



1. (CXX) g++ options: -rdynamic

John The Ripper 1.9.0-jumbo-1

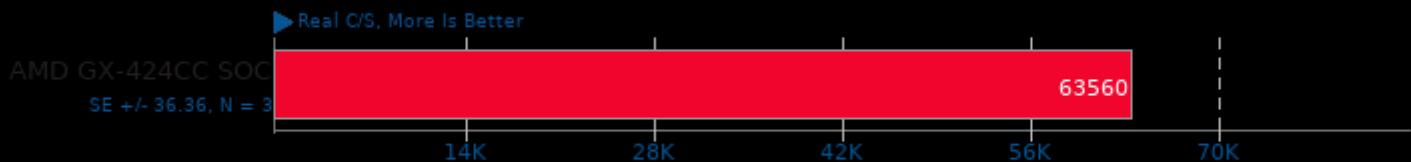
Test: Blowfish



1. (CC) gcc options: -m64 -lssl -lcrypto -fopenmp -lgmp -pthread -lm -lz -ldl -lcrypt -lbz2

John The Ripper 1.9.0-jumbo-1

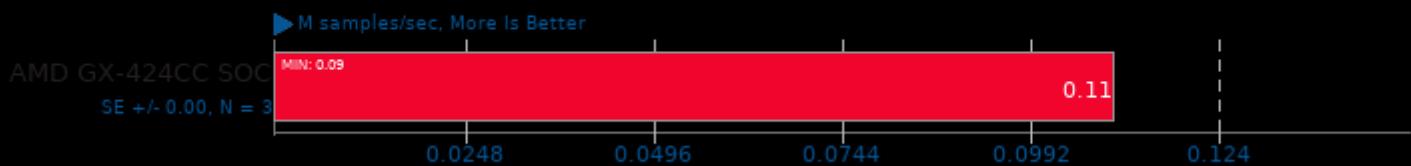
Test: MD5



1. (CC) gcc options: -m64 -lssl -lcrypto -fopenmp -lgmp -pthread -lm -lz -ldl -lcrypt -lbz2

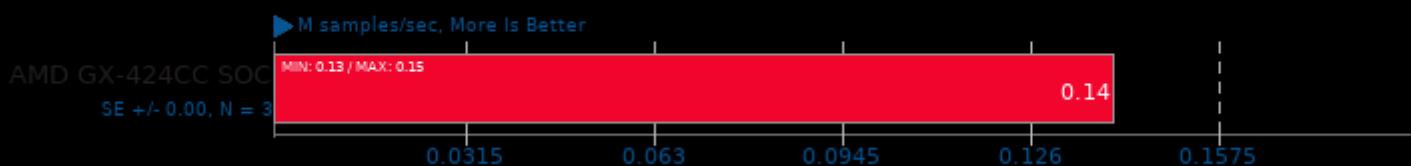
LuxCoreRender 2.5

Scene: DLSC - Acceleration: CPU



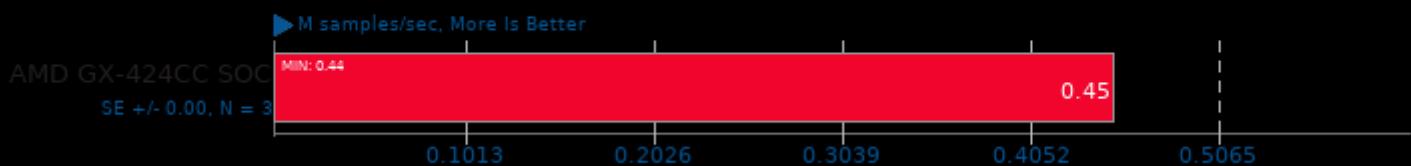
LuxCoreRender 2.5

Scene: Orange Juice - Acceleration: CPU



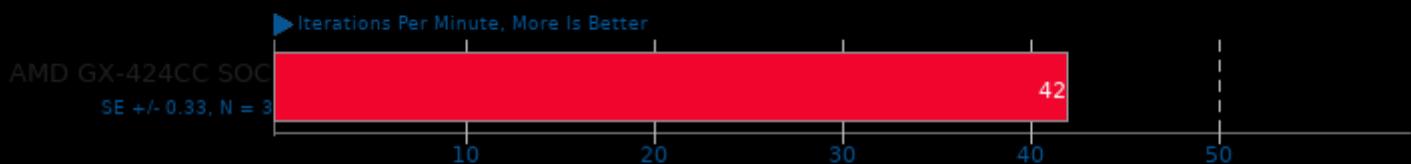
LuxCoreRender 2.5

Scene: Rainbow Colors and Prism - Acceleration: CPU



GraphicsMagick 1.3.33

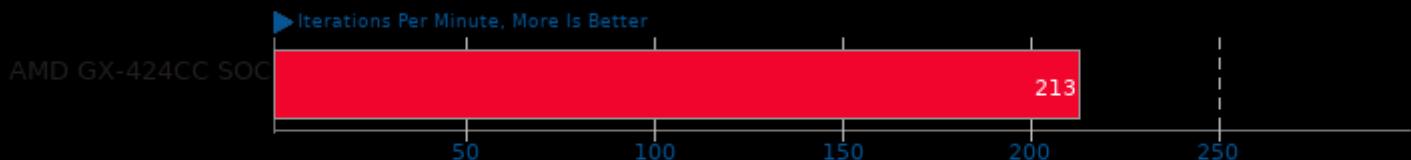
Operation: Swirl



1. (CC) gcc options: -fopenmp -O2 -pthread -ljpeg -lwebp -lwebrtc -ltiff -lfreetype -ljpeg -lxml -lxml2 -lz -lm -lpthread

GraphicsMagick 1.3.33

Operation: Rotate



1. (CC) gcc options: -fopenmp -O2 -pthread -ljbig -lwebp -lwebpmux -ltiff -lfreetype -ljpeg -lXext -lSM -lICE -lX11 -llzma -lbz2 -lxml2 -lz -lm -lpthread

GraphicsMagick 1.3.33

Operation: Sharpen



1. (CC) gcc options: -fopenmp -O2 -pthread -ljbig -lwebp -lwebpmux -ltiff -lfreetype -ljpeg -lXext -lSM -lICE -lX11 -llzma -lbz2 -lxml2 -lz -lm -lpthread

GraphicsMagick 1.3.33

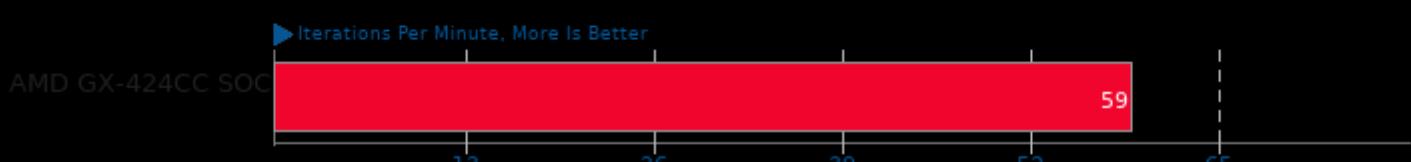
Operation: Enhanced



1. (CC) gcc options: -fopenmp -O2 -pthread -ljbig -lwebp -lwebpmux -ltiff -lfreetype -ljpeg -lXext -lSM -lICE -lX11 -llzma -lbz2 -lxml2 -lz -lm -lpthread

GraphicsMagick 1.3.33

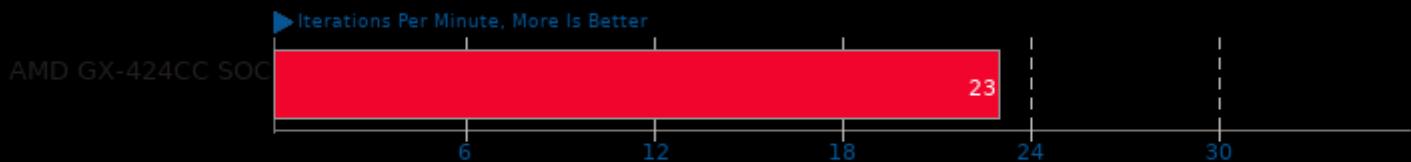
Operation: Resizing



1. (CC) gcc options: -fopenmp -O2 -pthread -ljbig -lwebp -lwebpmux -ltiff -lfreetype -ljpeg -lXext -lSM -lICE -lX11 -llzma -lbz2 -lxml2 -lz -lm -lpthread

GraphicsMagick 1.3.33

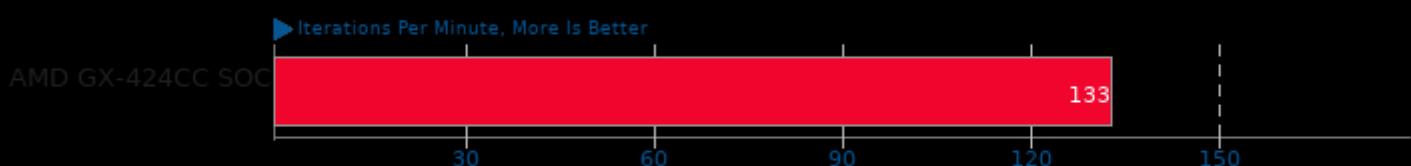
Operation: Noise-Gaussian



1. (CC) gcc options: -fopenmp -O2 -pthread -ljbig -lwebp -lwebpmux -ltiff -lfreetype -ljpeg -lXext -lSM -lICE -lX11 -lxml -lbz2 -lxml2 -lz -lm -lpthread

GraphicsMagick 1.3.33

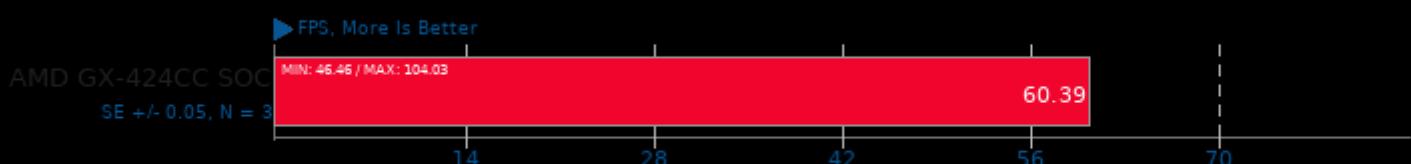
Operation: HWB Color Space



1. (CC) gcc options: -fopenmp -O2 -pthread -ljbig -lwebp -lwebpmux -ltiff -lfreetype -ljpeg -lXext -lSM -lICE -lX11 -lxml -lbz2 -lxml2 -lz -lm -lpthread

dav1d 0.9.1

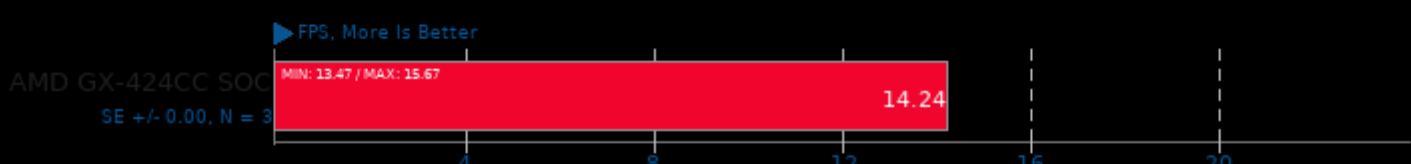
Video Input: Chimera 1080p



1. (CC) gcc options: -pthread

dav1d 0.9.1

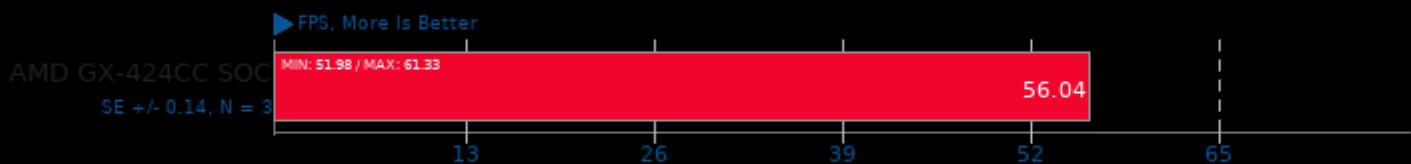
Video Input: Summer Nature 4K



1. (CC) gcc options: -pthread

dav1d 0.9.1

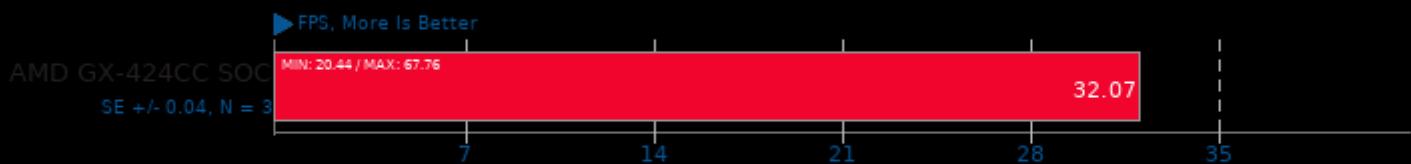
Video Input: Summer Nature 1080p



1. (CC) gcc options: -pthread

dav1d 0.9.1

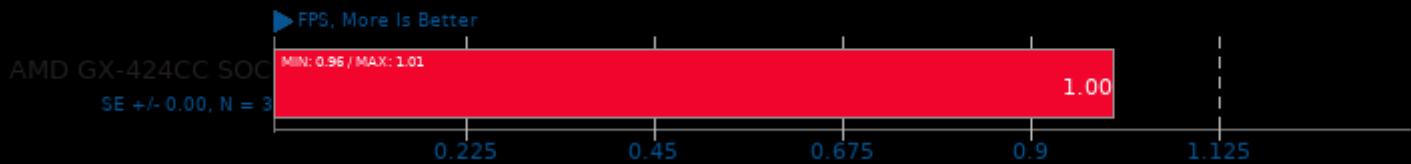
Video Input: Chimera 1080p 10-bit



1. (CC) gcc options: -pthread

OSPray 1.8.5

Demo: San Miguel - Renderer: SciVis



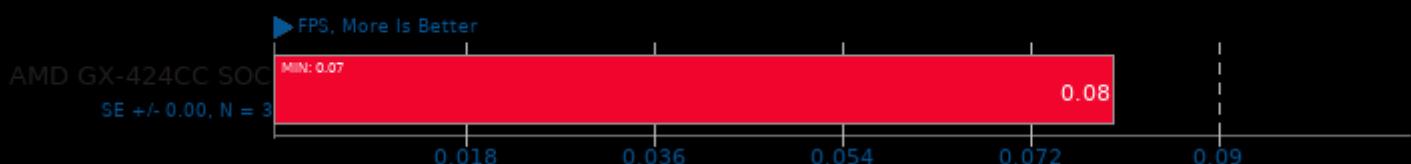
OSPray 1.8.5

Demo: XFrog Forest - Renderer: SciVis



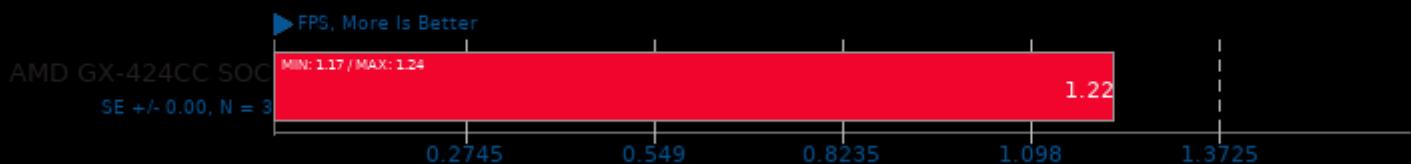
OSPray 1.8.5

Demo: San Miguel - Renderer: Path Tracer



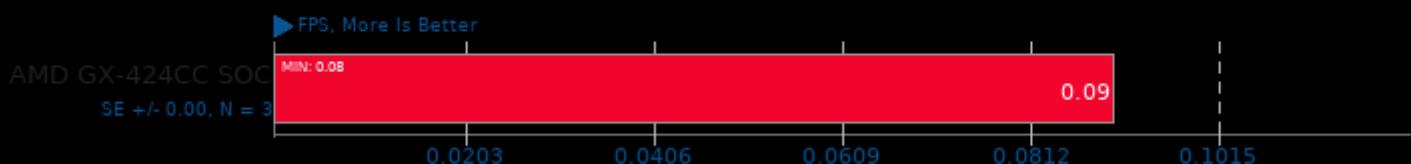
OSPray 1.8.5

Demo: NASA Streamlines - Renderer: SciVis



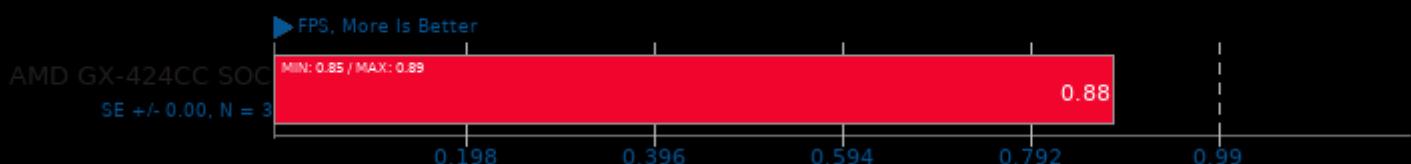
OSPray 1.8.5

Demo: XFrog Forest - Renderer: Path Tracer



OSPray 1.8.5

Demo: Magnetic Reconnection - Renderer: SciVis



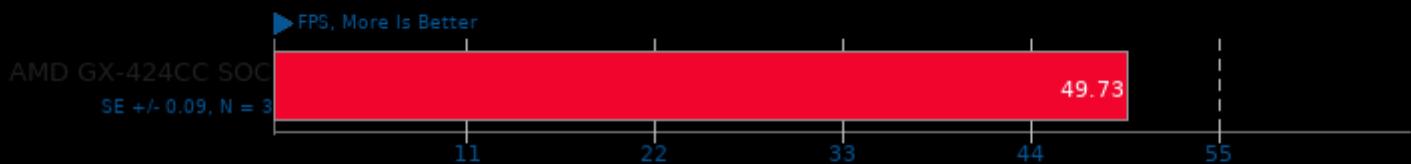
OSPray 1.8.5

Demo: NASA Streamlines - Renderer: Path Tracer



TTSIODE 3D Renderer 2.3b

Phong Rendering With Soft-Shadow Mapping



1. (CXX) g++ options: -O3 -fomit-frame-pointer -ffast-math -mtune=native -fno -msse -mrecip -mfpmath=sse -msse2 -msse3 -fopenmp -fwhole-pr

AOM AV1 3.1

Encoder Mode: Speed 0 Two-Pass - Input: Bosphorus 4K



1. (CXX) g++ options: -O3 -std=c++11 -U_FORTIFY_SOURCE -lm -lpthread

AOM AV1 3.1

Encoder Mode: Speed 4 Two-Pass - Input: Bosphorus 4K



1. (CXX) g++ options: -O3 -std=c++11 -U_FORTIFY_SOURCE -lm -lpthread

AOM AV1 3.1

Encoder Mode: Speed 6 Realtime - Input: Bosphorus 4K



1. (CXX) g++ options: -O3 -std=c++11 -U_FORTIFY_SOURCE -lm -lpthread

AOM AV1 3.1

Encoder Mode: Speed 6 Two-Pass - Input: Bosphorus 4K



1. (CXX) g++ options: -O3 -std=c++11 -U_FORTIFY_SOURCE -lm -lpthread

AOM AV1 3.1

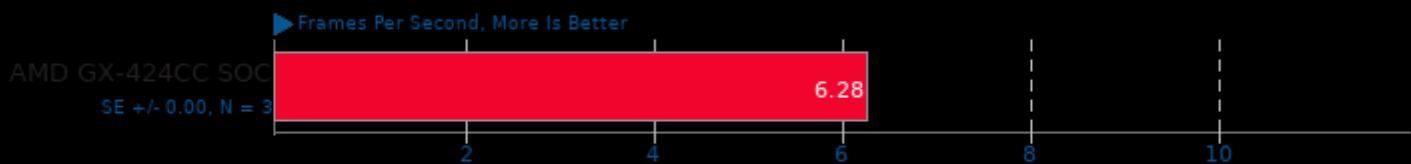
Encoder Mode: Speed 8 Realtime - Input: Bosphorus 4K



1. (CXX) g++ options: -O3 -std=c++11 -U_FORTIFY_SOURCE -lm -lpthread

AOM AV1 3.1

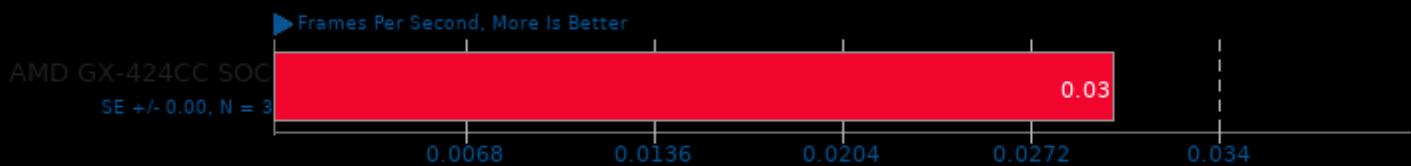
Encoder Mode: Speed 9 Realtime - Input: Bosphorus 4K



1. (CXX) g++ options: -O3 -std=c++11 -U_FORTIFY_SOURCE -lm -lpthread

AOM AV1 3.1

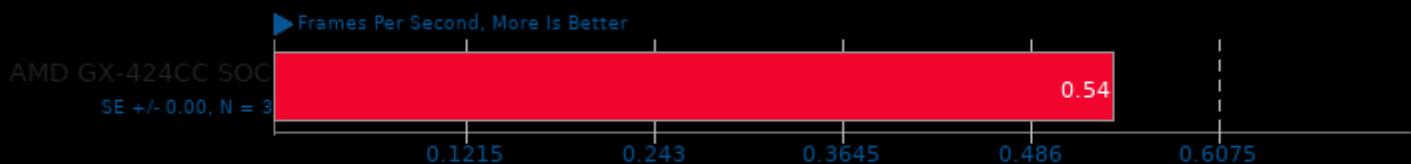
Encoder Mode: Speed 0 Two-Pass - Input: Bosphorus 1080p



1. (CXX) g++ options: -O3 -std=c++11 -U_FORTIFY_SOURCE -lm -lpthread

AOM AV1 3.1

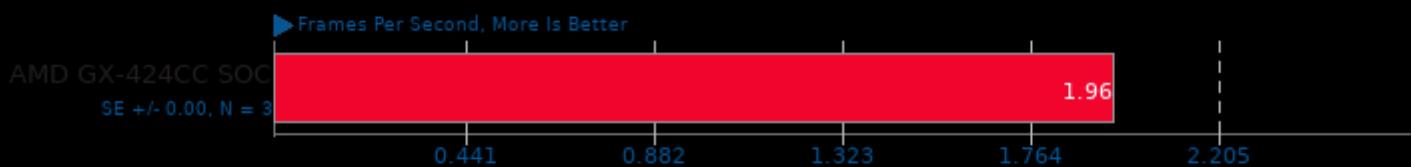
Encoder Mode: Speed 4 Two-Pass - Input: Bosphorus 1080p



1. (CXX) g++ options: -O3 -std=c++11 -U_FORTIFY_SOURCE -lm -lpthread

AOM AV1 3.1

Encoder Mode: Speed 6 Realtime - Input: Bosphorus 1080p



1. (CXX) g++ options: -O3 -std=c++11 -U_FORTIFY_SOURCE -lm -lpthread

AOM AV1 3.1

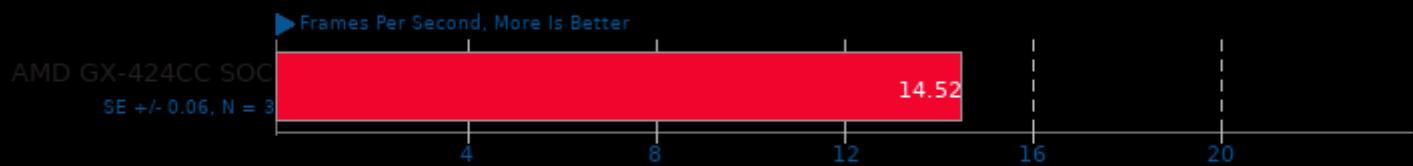
Encoder Mode: Speed 6 Two-Pass - Input: Bosphorus 1080p



1. (CXX) g++ options: -O3 -std=c++11 -U_FORTIFY_SOURCE -lm -lpthread

AOM AV1 3.1

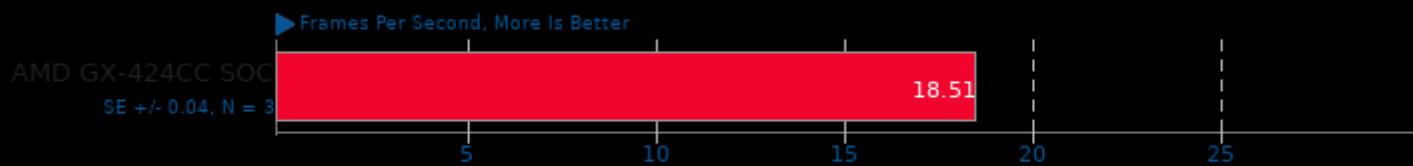
Encoder Mode: Speed 8 Realtime - Input: Bosphorus 1080p



1. (CXX) g++ options: -O3 -std=c++11 -U_FORTIFY_SOURCE -lm -lpthread

AOM AV1 3.1

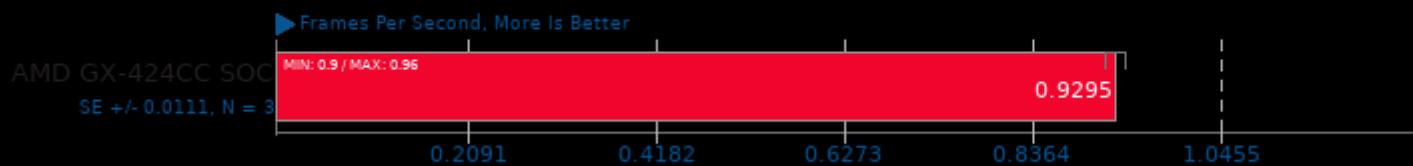
Encoder Mode: Speed 9 Realtime - Input: Bosphorus 1080p



1. (CXX) g++ options: -O3 -std=c++11 -U_FORTIFY_SOURCE -lm -lpthread

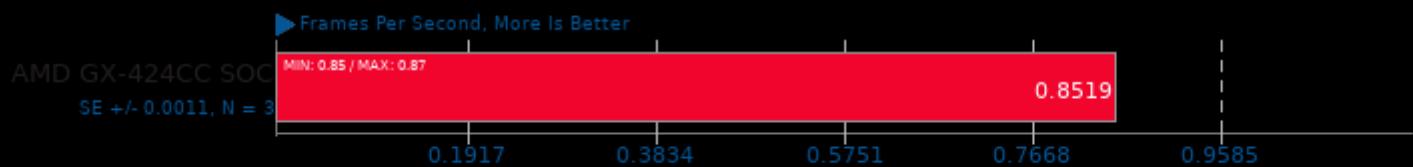
Embree 3.13

Binary: Pathtracer - Model: Crown



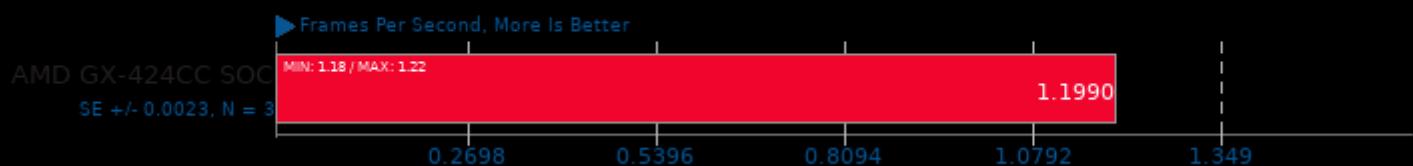
Embree 3.13

Binary: Pathtracer ISPC - Model: Crown



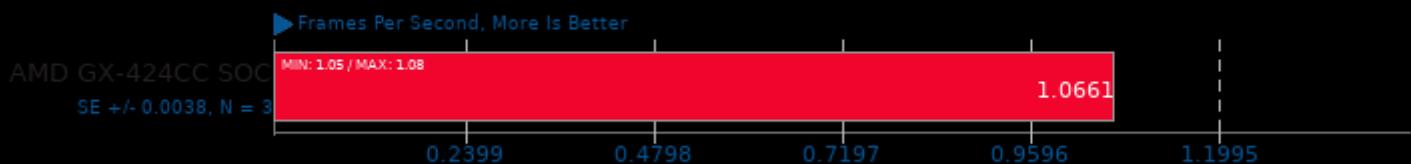
Embree 3.13

Binary: Pathtracer - Model: Asian Dragon



Embree 3.13

Binary: Pathtracer - Model: Asian Dragon Obj



Embree 3.13

Binary: Pathtracer ISPC - Model: Asian Dragon



Embree 3.13

Binary: Pathtracer ISPC - Model: Asian Dragon Obj



Kvazaar 2.0

Video Input: Bosphorus 4K - Video Preset: Slow



1. (CC) gcc options: -pthread -ftree-vectorize -fvisibility=hidden -O2 -lpthread -lm -lrt

Kvazaar 2.0

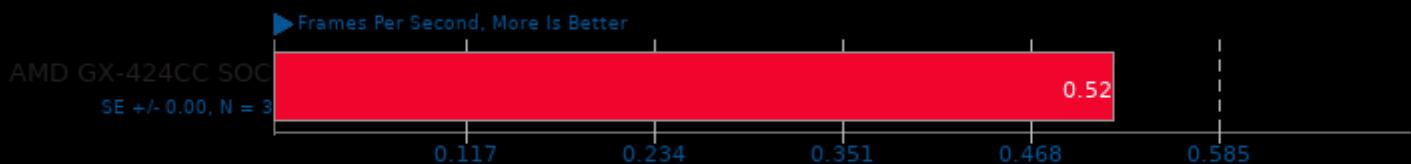
Video Input: Bosphorus 4K - Video Preset: Medium



1. (CC) gcc options: -pthread -ftree-vectorize -fvisibility=hidden -O2 -lpthread -lm -lrt

Kvazaar 2.0

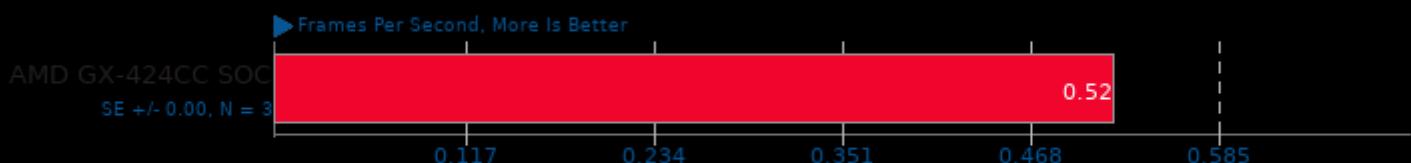
Video Input: Bosphorus 1080p - Video Preset: Slow



1. (CC) gcc options: -pthread -fno-tree-vectorize -fvisibility=hidden -O2 -lpthread -lm -lrt

Kvazaar 2.0

Video Input: Bosphorus 1080p - Video Preset: Medium



1. (CC) gcc options: -pthread -fno-tree-vectorize -fvisibility=hidden -O2 -lpthread -lm -lrt

Kvazaar 2.0

Video Input: Bosphorus 4K - Video Preset: Very Fast



1. (CC) gcc options: -pthread -fno-tree-vectorize -fvisibility=hidden -O2 -lpthread -lm -lrt

Kvazaar 2.0

Video Input: Bosphorus 4K - Video Preset: Ultra Fast



1. (CC) gcc options: -pthread -fno-tree-vectorize -fvisibility=hidden -O2 -lpthread -lm -lrt

Kvazaar 2.0

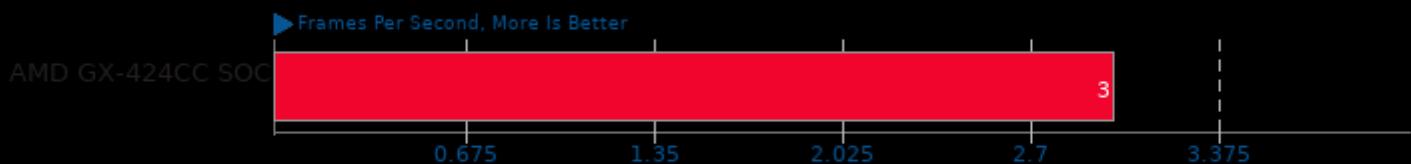
Video Input: Bosphorus 1080p - Video Preset: Very Fast



1. (CC) gcc options: -pthread -fno-tree-vectorize -fvisibility=hidden -O2 -lpthread -lm -lrt

Kvazaar 2.0

Video Input: Bosphorus 1080p - Video Preset: Ultra Fast



rav1e 0.4

Speed: 1



rav1e 0.4

Speed: 5



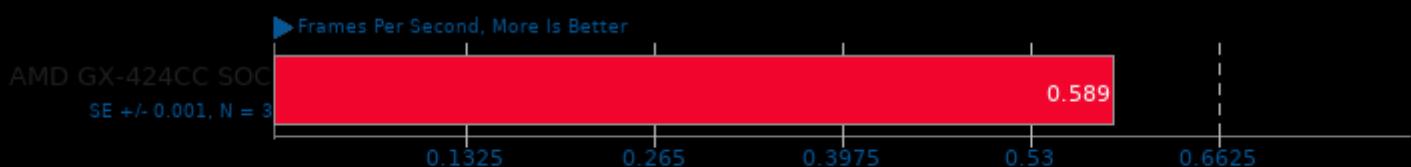
rav1e 0.4

Speed: 6



rav1e 0.4

Speed: 10



SVT-AV1 0.8.7

Encoder Mode: Preset 4 - Input: Bosphorus 4K



1. (CXX) g++ options: -mno-avx -mavx2 -mavx512f -mavx512bw -mavx512dq -pie

SVT-AV1 0.8.7

Encoder Mode: Preset 8 - Input: Bosphorus 4K



1. (CXX) g++ options: -mno-avx -mavx2 -mavx512f -mavx512bw -mavx512dq -pie

SVT-AV1 0.8.7

Encoder Mode: Preset 4 - Input: Bosphorus 1080p



1. (CXX) g++ options: -mno-avx -mavx2 -mavx512f -mavx512bw -mavx512dq -pie

SVT-AV1 0.8.7

Encoder Mode: Preset 8 - Input: Bosphorus 1080p



1. (CXX) g++ options: -mno-avx -mavx2 -mavx512f -mavx512bw -mavx512dq -pie

SVT-HEVC 1.5.0

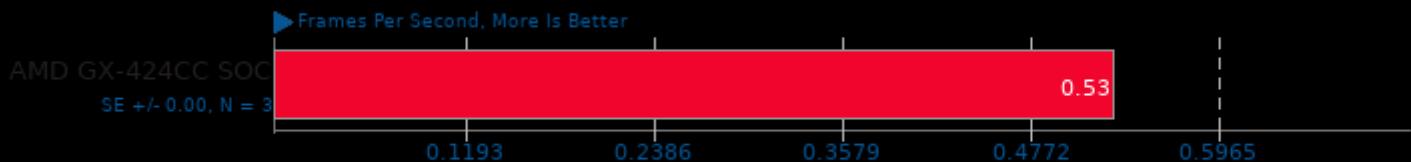
Tuning: 1 - Input: Bosphorus 1080p



1. (CC) gcc options: -fPIE -fPIC -O3 -O2 -pie -rdynamic -lpthread -lrt

SVT-HEVC 1.5.0

Tuning: 7 - Input: Bosphorus 1080p



1. (CC) gcc options: -fPIE -fPIC -O3 -O2 -pie -rdynamic -lpthread -lrt

SVT-HEVC 1.5.0

Tuning: 10 - Input: Bosphorus 1080p



1. (CC) gcc options: -fPIE -fPIC -O3 -O2 -pie -rdynamic -lpthread -lrt

VP9 libvpx Encoding 1.10.0

Speed: Speed 0 - Input: Bosphorus 4K



1. (CXX) g++ options: -m64 -lm -lpthread -O3 -fPIC -U_FORTIFY_SOURCE -std=gnu++11

VP9 libvpx Encoding 1.10.0

Speed: Speed 5 - Input: Bosphorus 4K



1. (CXX) g++ options: -m64 -lm -lpthread -O3 -fPIC -U_FORTIFY_SOURCE -std=gnu++11

VP9 libvpx Encoding 1.10.0

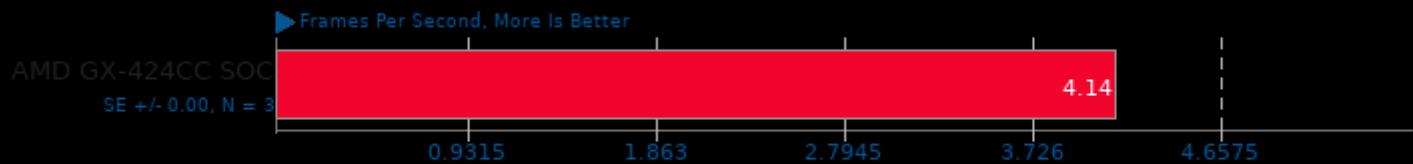
Speed: Speed 0 - Input: Bosphorus 1080p



1. (CXX) g++ options: -m64 -lm -lpthread -O3 -fPIC -U_FORTIFY_SOURCE -std=gnu++11

VP9 libvpx Encoding 1.10.0

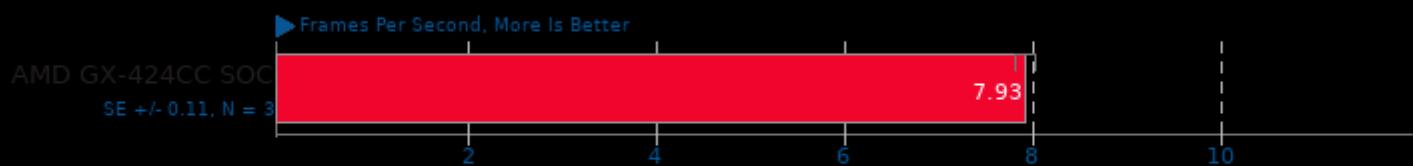
Speed: Speed 5 - Input: Bosphorus 1080p



1. (CXX) g++ options: -m64 -lm -lpthread -O3 -fPIC -U_FORTIFY_SOURCE -std=gnu++11

x264 2019-12-17

H.264 Video Encoding



1. (CC) gcc options: -ldl -lavformat -lavcodec -lavutil -lswscale -m64 -lm -lpthread -O3 -ffast-math -std=gnu99 -fPIC -fomit-frame-pointer -fno-tree-vectorize

x265 3.4

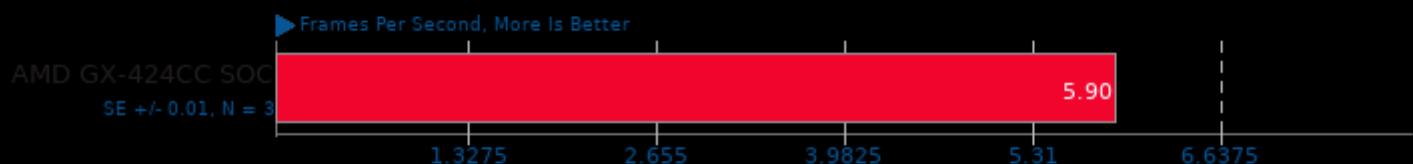
Video Input: Bosphorus 4K



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

x265 3.4

Video Input: Bosphorus 1080p



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

ACES DGEMM 1.0

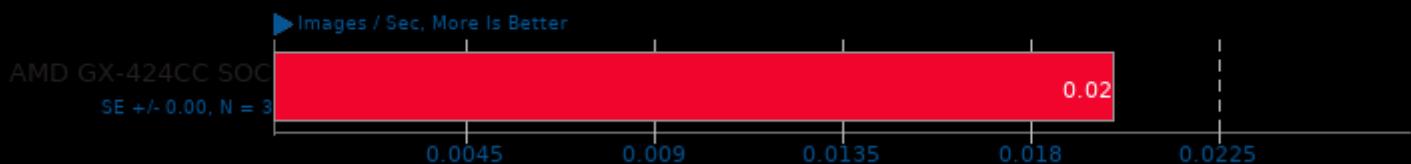
Sustained Floating-Point Rate



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

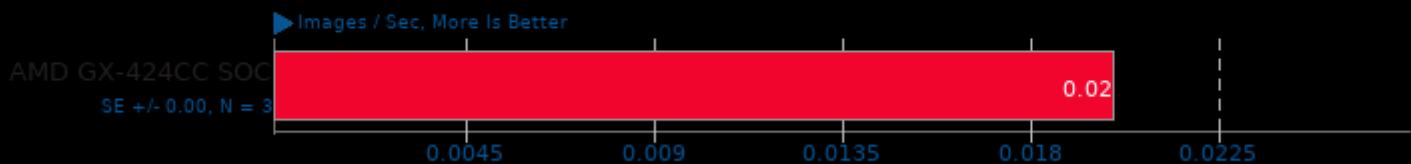
Intel Open Image Denoise 1.4.0

Run: RT.hdr_alb_nrm.3840x2160



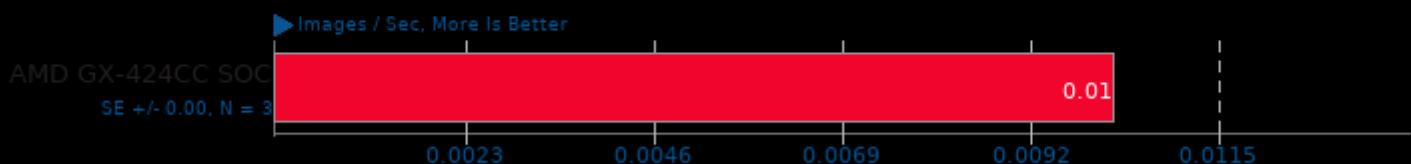
Intel Open Image Denoise 1.4.0

Run: RT.Idr_alb_nrm.3840x2160



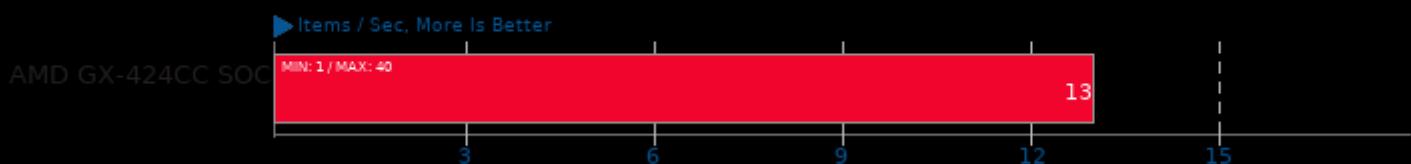
Intel Open Image Denoise 1.4.0

Run: RTLightmap.hdr.4096x4096



OpenVKL 0.9

Benchmark: vklBenchmark



OpenVKL 0.9

Benchmark: vklBenchmarkVdbVolume



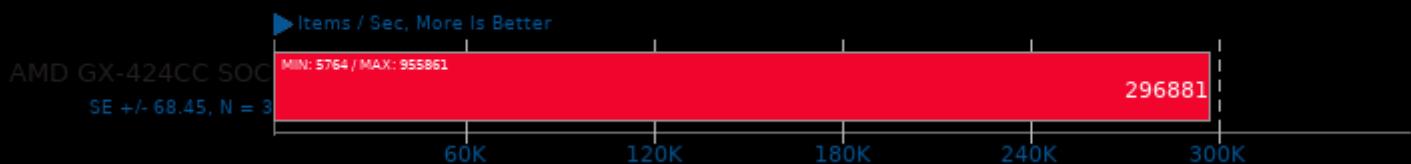
OpenVKL 0.9

Benchmark: vklBenchmarkStructuredVolume



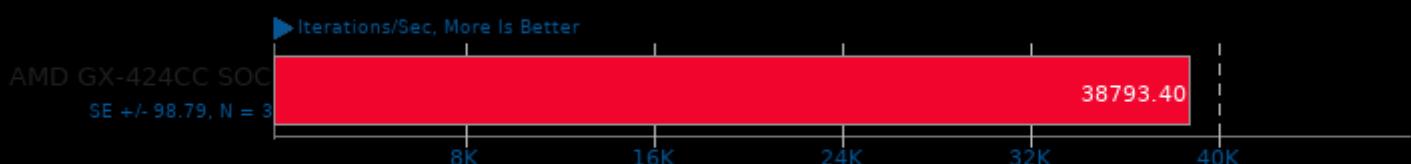
OpenVKL 0.9

Benchmark: vklBenchmarkUnstructuredVolume



Coremark 1.0

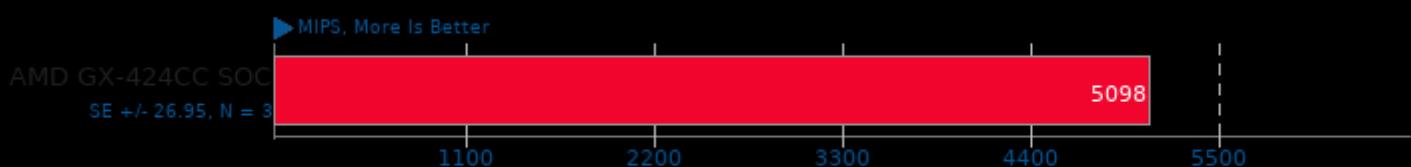
CoreMark Size 666 - Iterations Per Second



1. (CC) gcc options: -O2 -fipa -fipa

7-Zip Compression 16.02

Compress Speed Test



1. (CXX) g++ options: -pipe -fthread

Stockfish 13

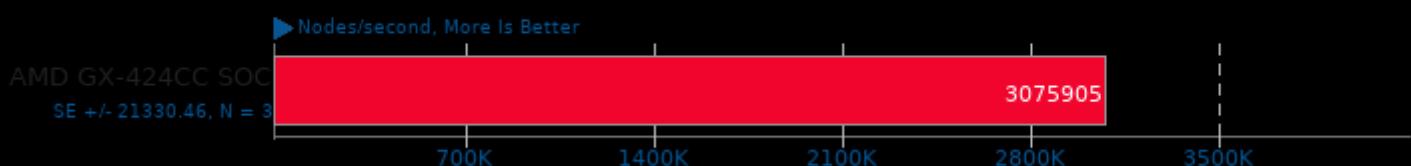
Total Time



1. (CXX) g++ options: -lgcov -m64 -fthread -fno-exceptions -std=c++17 -fprofile-use -fno-peel-loops -fno-tracer -pedantic -O3 -msse -msse3 -mpopcnt -

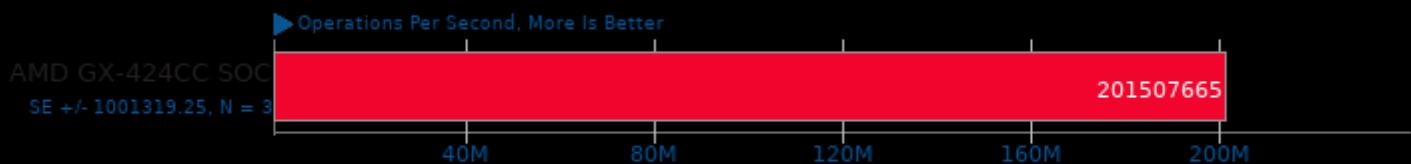
asmFish 2018-07-23

1024 Hash Memory, 26 Depth

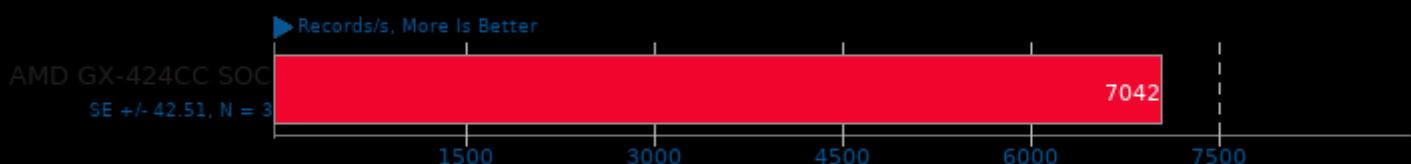


Swet 1.5.16

Average



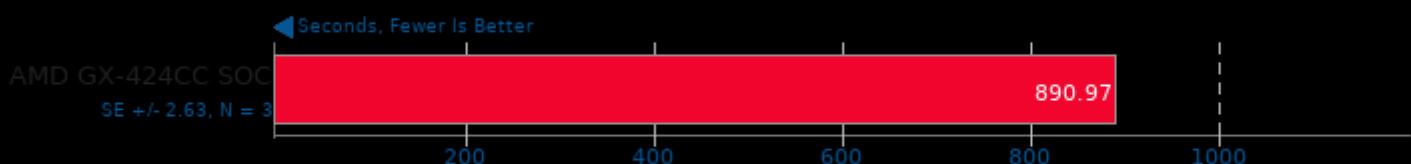
1. (CC) gcc options: -lm -lpthread -lcurses -lrt

ebizzy 0.3

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

libavif avifenc 0.9.0

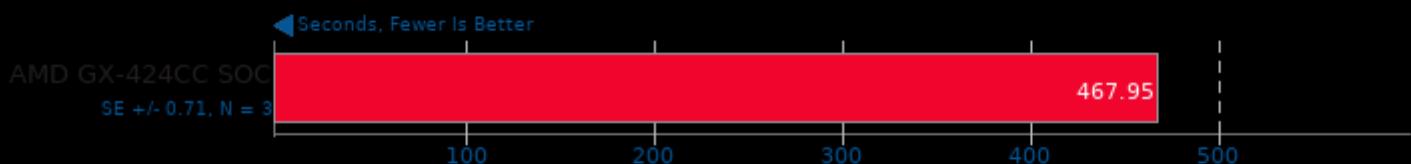
Encoder Speed: 0



1. (CXX) g++ options: -O3 -fPIC -lm

libavif avifenc 0.9.0

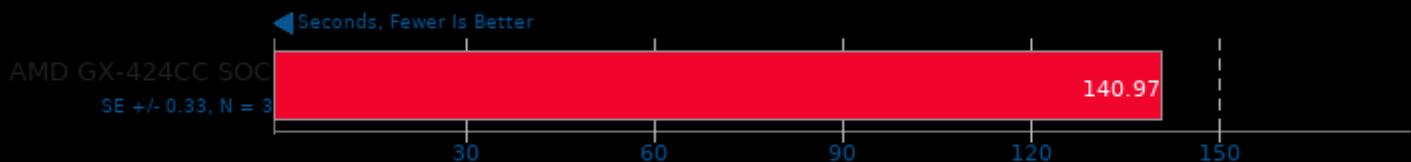
Encoder Speed: 2



1. (CXX) g++ options: -O3 -fPIC -lm

libavif avifenc 0.9.0

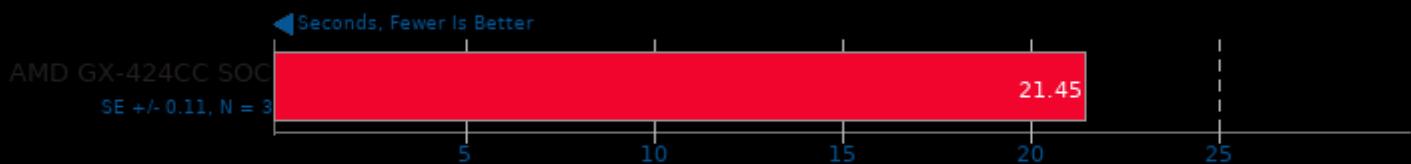
Encoder Speed: 6



1. (CXX) g++ options: -O3 -fPIC -lm

libavif avifenc 0.9.0

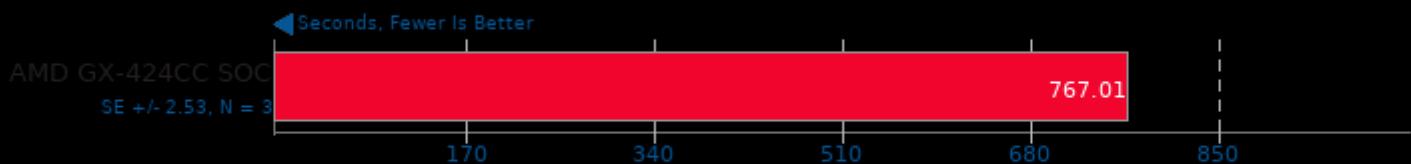
Encoder Speed: 10



1. (CXX) g++ options: -O3 -fPIC -lm

libavif avifenc 0.9.0

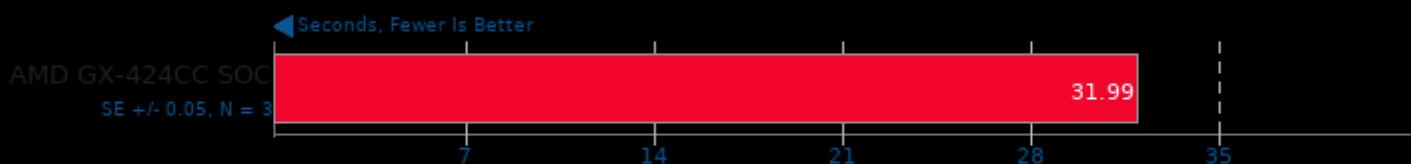
Encoder Speed: 6, Lossless



1. (CXX) g++ options: -O3 -fPIC -lm

libavif avifenc 0.9.0

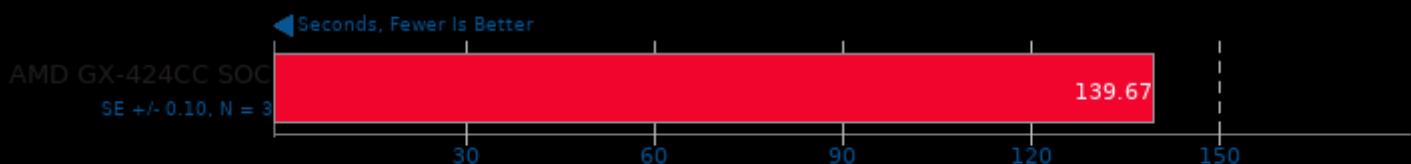
Encoder Speed: 10, Lossless



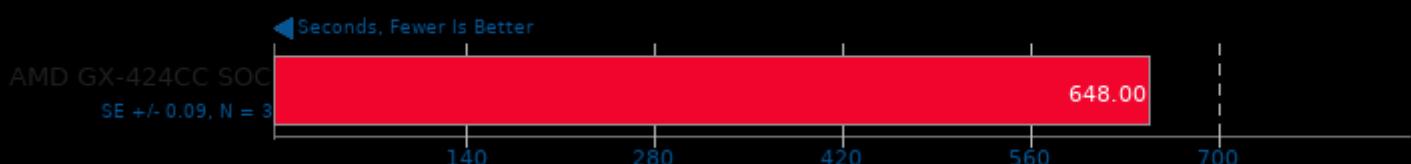
1. (CXX) g++ options: -O3 -fPIC -lm

Timed Apache Compilation 2.4.41

Time To Compile

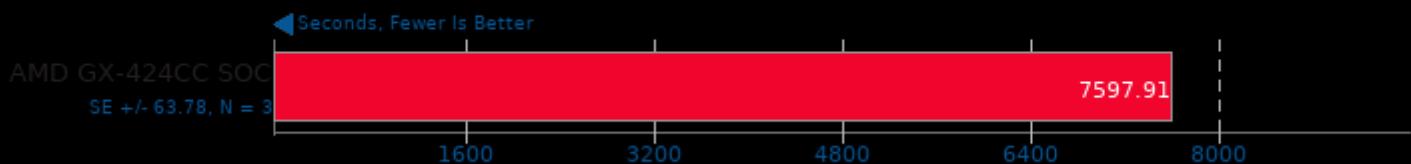
**Timed FFmpeg Compilation 4.4**

Time To Compile



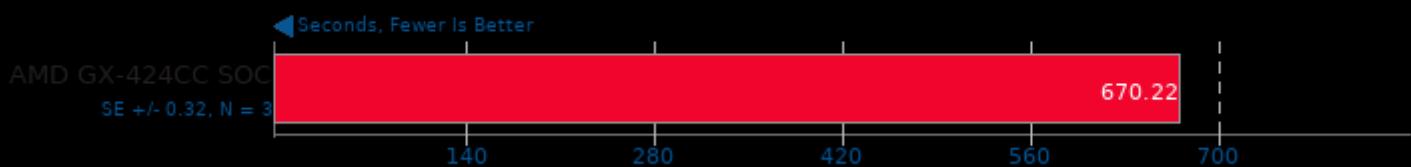
Timed GCC Compilation 9.3.0

Time To Compile



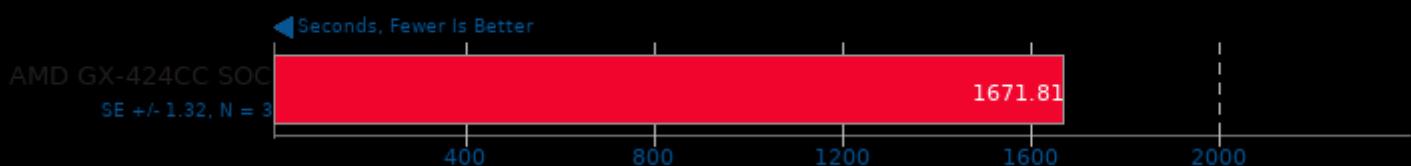
Timed GDB GNU Debugger Compilation 10.2

Time To Compile



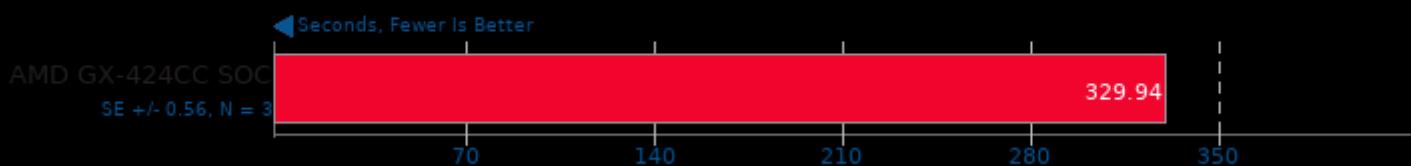
Timed Godot Game Engine Compilation 3.2.3

Time To Compile



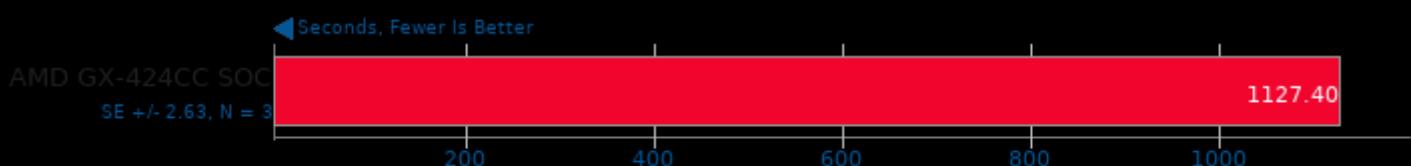
Timed ImageMagick Compilation 6.9.0

Time To Compile



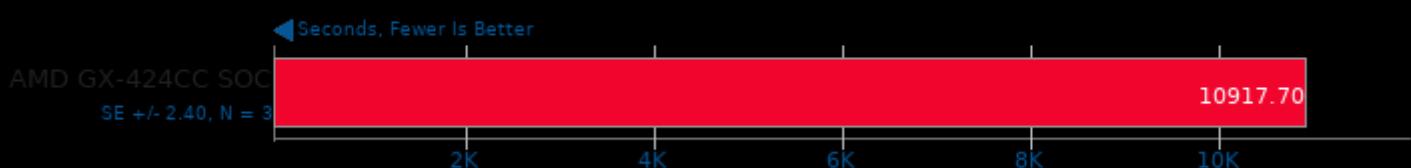
Timed Linux Kernel Compilation 5.10.20

Time To Compile



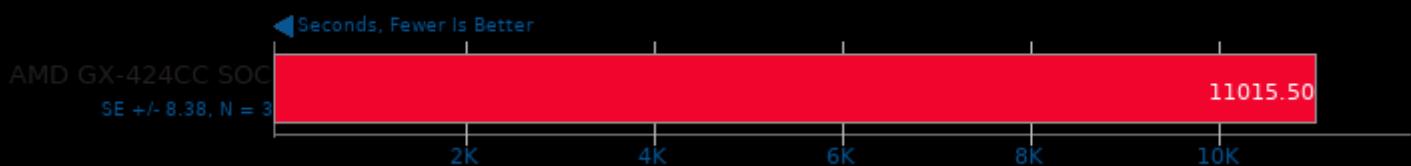
Timed LLVM Compilation 12.0

Build System: Ninja



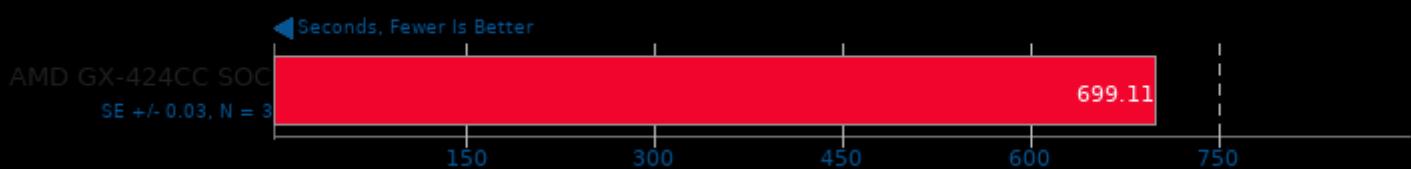
Timed LLVM Compilation 12.0

Build System: Unix Makefiles



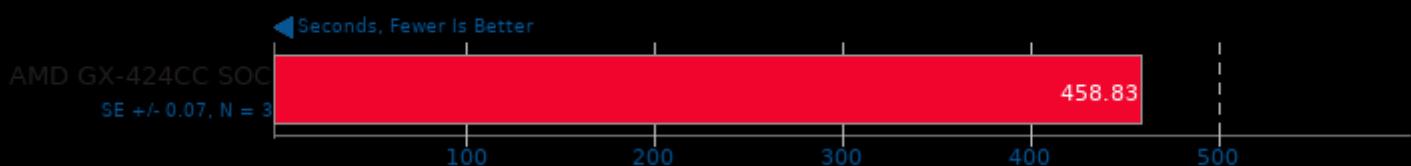
Timed Mesa Compilation 21.0

Time To Compile



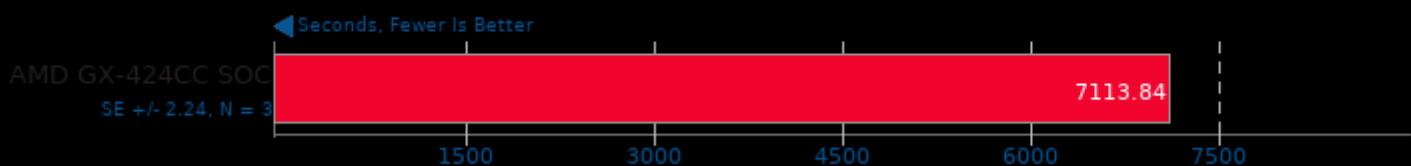
Timed MPlayer Compilation 1.4

Time To Compile



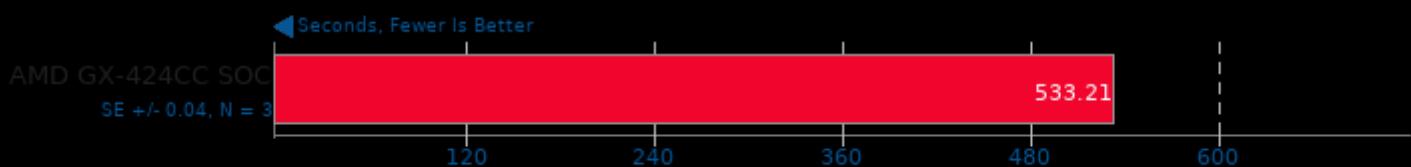
Timed Node.js Compilation 15.11

Time To Compile



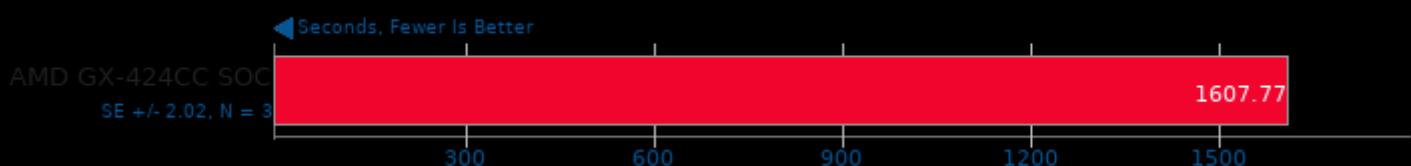
Timed PHP Compilation 7.4.2

Time To Compile



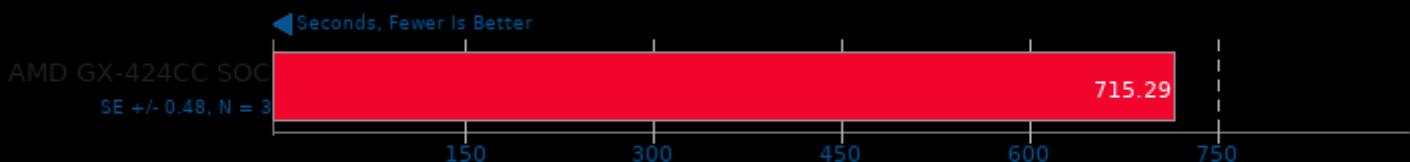
Build2 0.13

Time To Compile



C-Ray 1.1

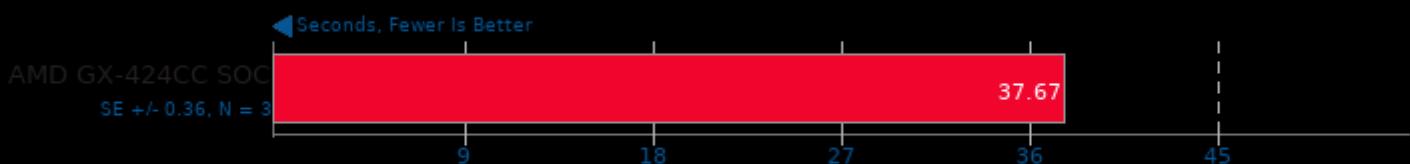
Total Time - 4K, 16 Rays Per Pixel



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

Parallel BZIP2 Compression 1.1.12

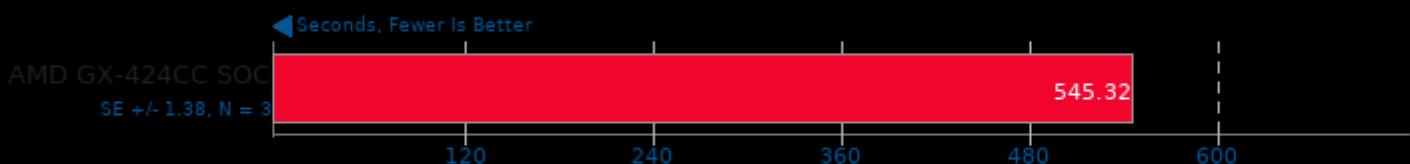
256MB File Compression



1. (CXX) g++ options: -O2 -pthread -lbz2 -lpthread

POV-Ray 3.7.0.7

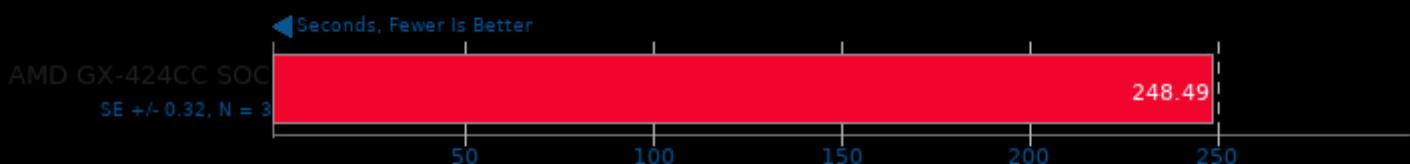
Trace Time



1. (CXX) g++ options: -pipe -O3 -ffast-math -march=native -pthread -fSDL -fXpm -fSM -fICE -fX11 -fIMLmf -fImath -fHalf -fLex -fLexMath -fImThread -fPthread

Primesieve 7.4

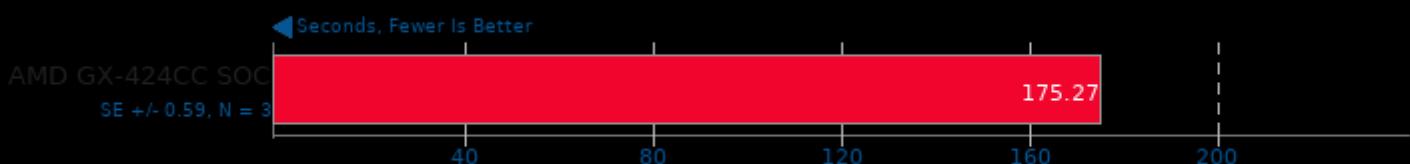
1e12 Prime Number Generation



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

Rust Mandelbrot

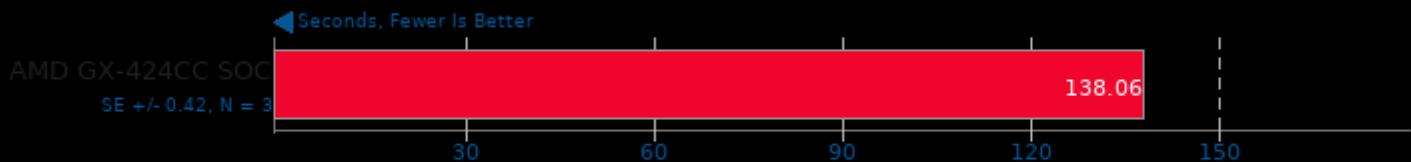
Time To Complete Serial/Parallel Mandelbrot



1. (CC) gcc options: -m64 -pie -nodefaultlibs -ldl -lrt -lpthread -lgcc_s -lc -lm -util

Rust Prime Benchmark

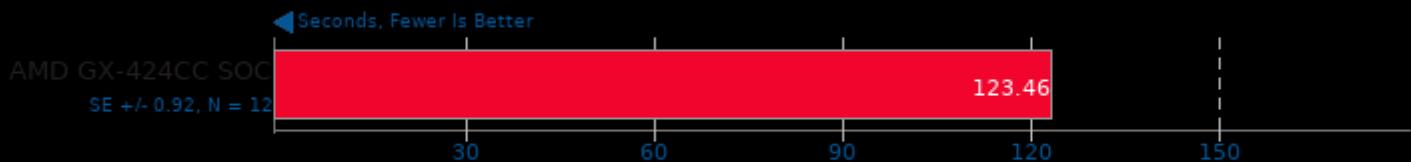
Prime Number Test To 200,000,000



1. (CC) gcc options: -m64 -pie -nodefaultlibs -ldl -lrt -lpthread -lgcc_s -lc -lm -lutil

Smallpt 1.0

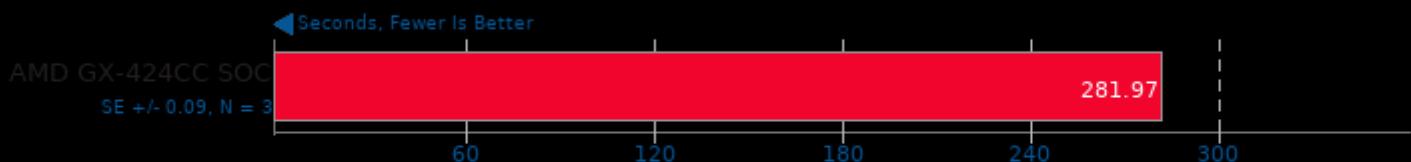
Global Illumination Renderer; 128 Samples



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

Tungsten Renderer 0.2.2

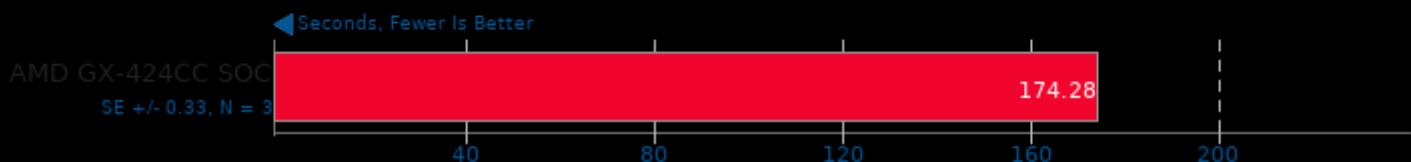
Scene: Hair



1. (CXX) g++ options: -std=c++0x -march=btver2 -msse2 -msse3 -mssse3 -msse4.1 -msse4.2 -mssse4a -mno-avx -mno-fma -mno-bmi2 -mno-avx2 -mno-

Tungsten Renderer 0.2.2

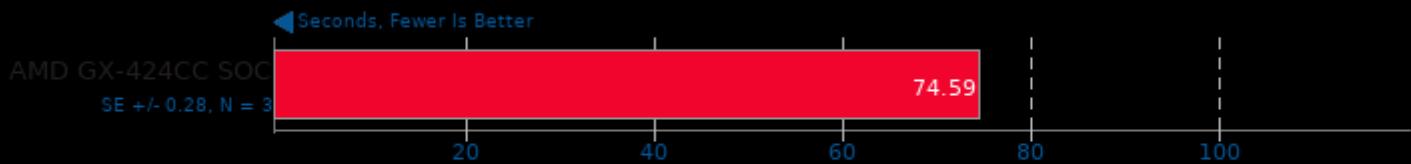
Scene: Water Caustic



1. (CXX) g++ options: -std=c++0x -march=btver2 -msse2 -msse3 -mssse3 -msse4.1 -msse4.2 -mssse4a -mno-avx -mno-fma -mno-bmi2 -mno-avx2 -mno-

Tungsten Renderer 0.2.2

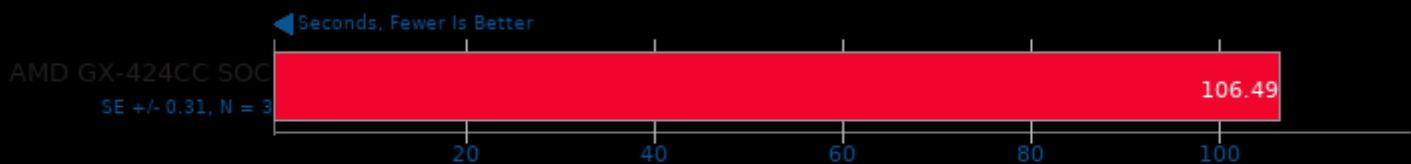
Scene: Non-Exponential



1. (CXX) g++ options: -std=c++0x -march=btver2 -msse2 -msse3 -mssse3 -mssse4.1 -mssse4.2 -mssse4a -mno-avx -mno-fma -mno-bmi2 -mno-avx2 -mno-

Tungsten Renderer 0.2.2

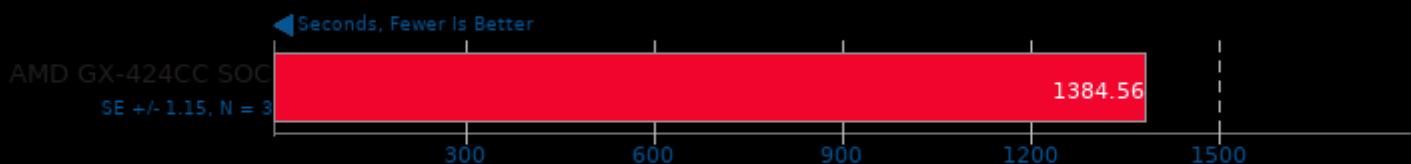
Scene: Volumetric Caustic



1. (CXX) g++ options: -std=c++0x -march=btver2 -msse2 -msse3 -mssse3 -mssse4.1 -mssse4.2 -mssse4a -mno-avx -mno-fma -mno-bmi2 -mno-avx2 -mno-

YafaRay 3.5.1

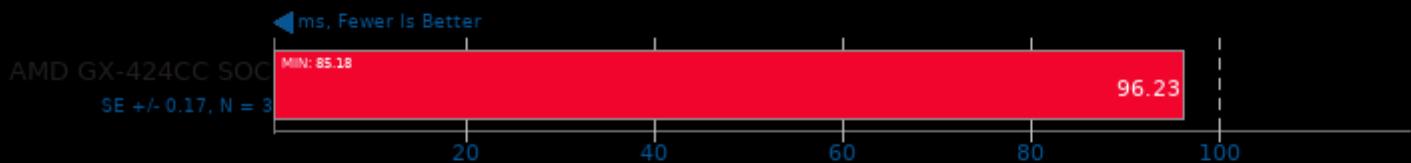
Total Time For Sample Scene



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

oneDNN 2.1.2

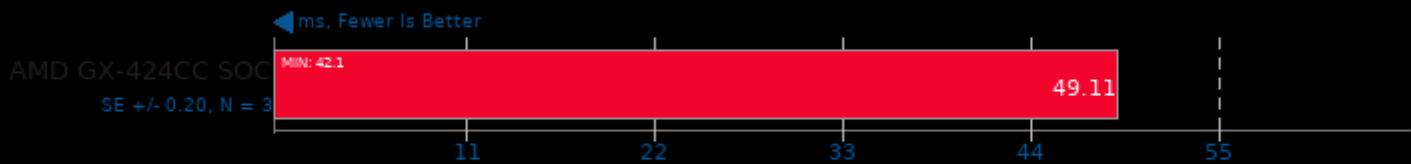
Harness: IP Shapes 1D - Data Type: f32 - Engine: CPU



1. (CXX) g++ options: -O3 -march=native -std=c++11 -fopenmp -mssse4.1 -fPIC -pie -lpthread -ldl

oneDNN 2.1.2

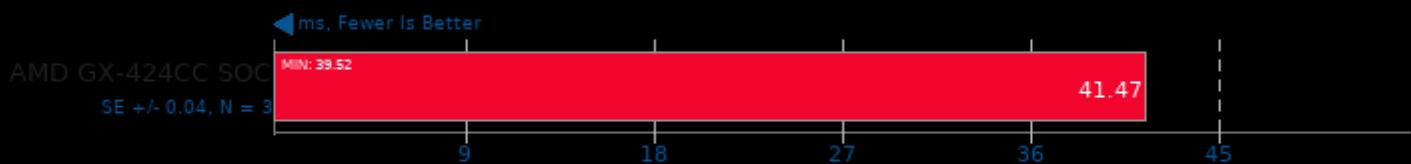
Harness: IP Shapes 3D - Data Type: f32 - Engine: CPU



1. (CXX) g++ options: -O3 -march=native -std=c++11 -fopenmp -msse4.1 -fPIC -pie -lpthread -ldl

oneDNN 2.1.2

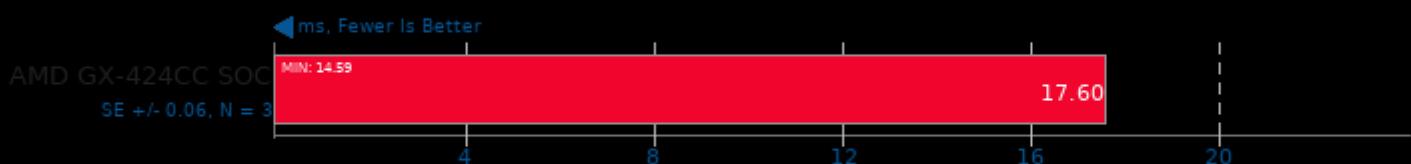
Harness: IP Shapes 1D - Data Type: u8s8f32 - Engine: CPU



1. (CXX) g++ options: -O3 -march=native -std=c++11 -fopenmp -msse4.1 -fPIC -pie -lpthread -ldl

oneDNN 2.1.2

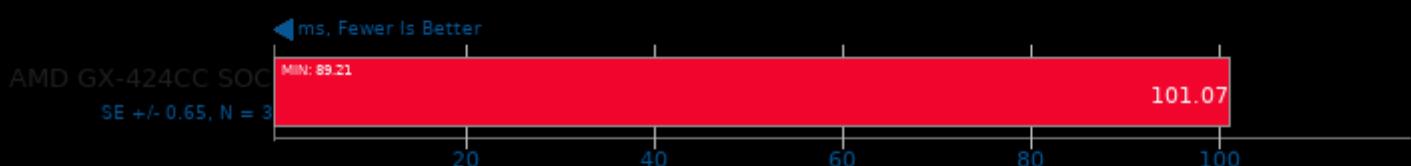
Harness: IP Shapes 3D - Data Type: u8s8f32 - Engine: CPU



1. (CXX) g++ options: -O3 -march=native -std=c++11 -fopenmp -msse4.1 -fPIC -pie -lpthread -ldl

oneDNN 2.1.2

Harness: Convolution Batch Shapes Auto - Data Type: f32 - Engine: CPU



1. (CXX) g++ options: -O3 -march=native -std=c++11 -fopenmp -msse4.1 -fPIC -pie -lpthread -ldl

oneDNN 2.1.2

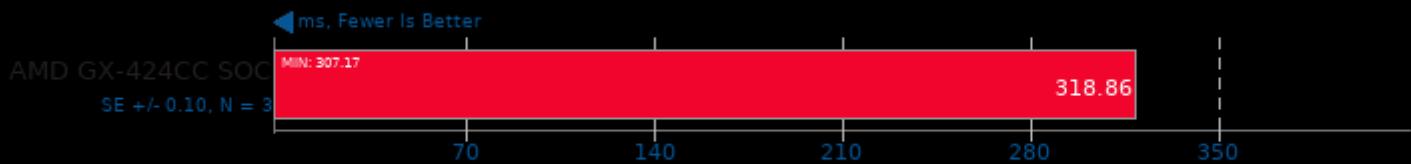
Harness: Deconvolution Batch shapes_1d - Data Type: f32 - Engine: CPU



1. (CXX) g++ options: -O3 -march=native -std=c++11 -fopenmp -msse4.1 -fPIC -pie -lpthread -ldl

oneDNN 2.1.2

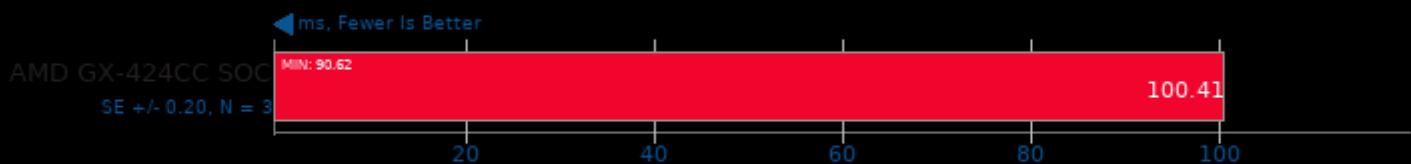
Harness: Deconvolution Batch shapes_3d - Data Type: f32 - Engine: CPU



1. (CXX) g++ options: -O3 -march=native -std=c++11 -fopenmp -msse4.1 -fPIC -pie -lpthread -ldl

oneDNN 2.1.2

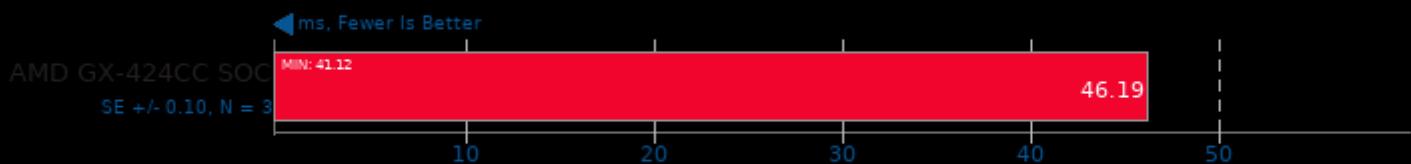
Harness: Convolution Batch Shapes Auto - Data Type: u8s8f32 - Engine: CPU



1. (CXX) g++ options: -O3 -march=native -std=c++11 -fopenmp -msse4.1 -fPIC -pie -lpthread -ldl

oneDNN 2.1.2

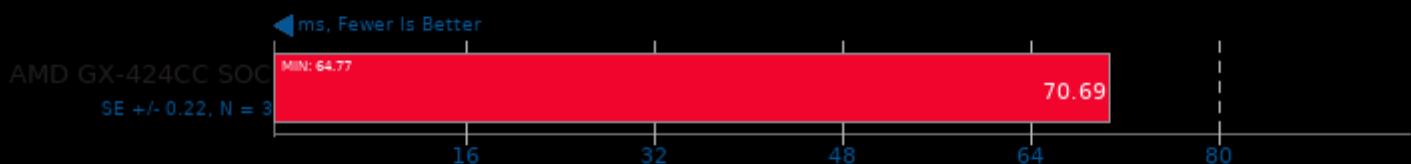
Harness: Deconvolution Batch shapes_1d - Data Type: u8s8f32 - Engine: CPU



1. (CXX) g++ options: -O3 -march=native -std=c++11 -fopenmp -msse4.1 -fPIC -pie -lpthread -ldl

oneDNN 2.1.2

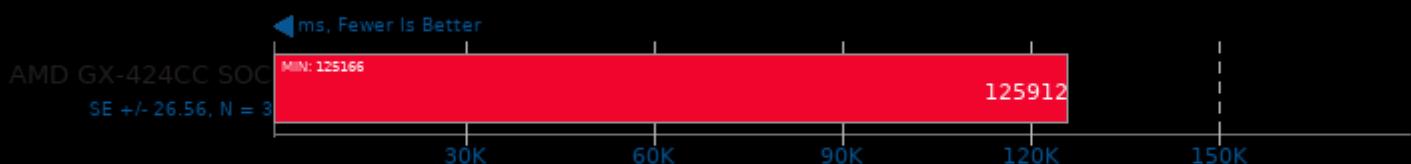
Harness: Deconvolution Batch shapes_3d - Data Type: u8s8f32 - Engine: CPU



1. (CXX) g++ options: -O3 -march=native -std=c++11 -fopenmp -msse4.1 -fPIC -pie -lpthread -ldl

oneDNN 2.1.2

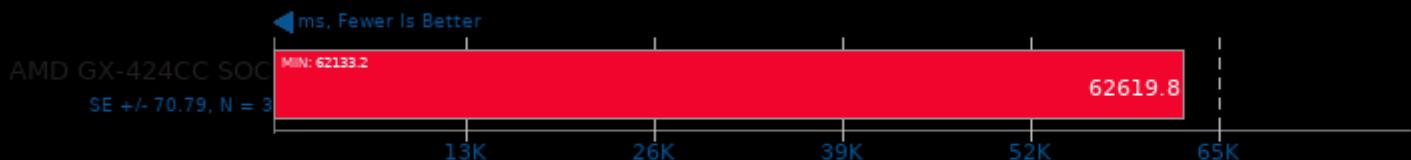
Harness: Recurrent Neural Network Training - Data Type: f32 - Engine: CPU



1. (CXX) g++ options: -O3 -march=native -std=c++11 -fopenmp -msse4.1 -fPIC -pie -lpthread -ldl

oneDNN 2.1.2

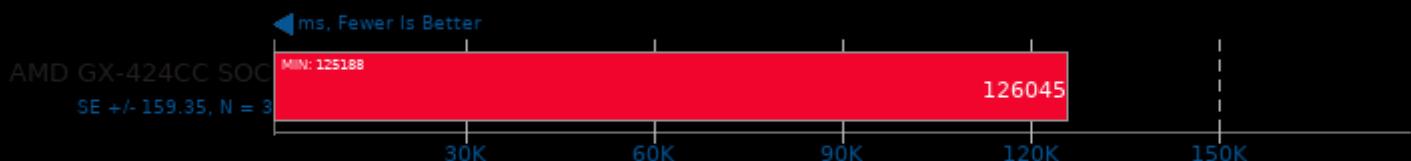
Harness: Recurrent Neural Network Inference - Data Type: f32 - Engine: CPU



1. (CXX) g++ options: -O3 -march=native -std=c++11 -fopenmp -msse4.1 -fPIC -pie -lpthread -ldl

oneDNN 2.1.2

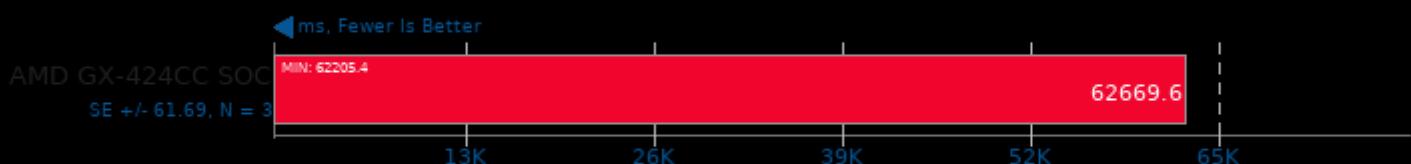
Harness: Recurrent Neural Network Training - Data Type: u8s8f32 - Engine: CPU



1. (CXX) g++ options: -O3 -march=native -std=c++11 -fopenmp -msse4.1 -fPIC -pie -lpthread -ldl

oneDNN 2.1.2

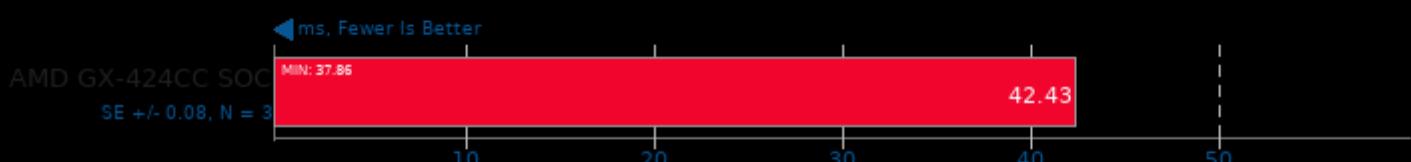
Harness: Recurrent Neural Network Inference - Data Type: u8s8f32 - Engine: CPU



1. (CXX) g++ options: -O3 -march=native -std=c++11 -fopenmp -msse4.1 -fPIC -pie -lpthread -ldl

oneDNN 2.1.2

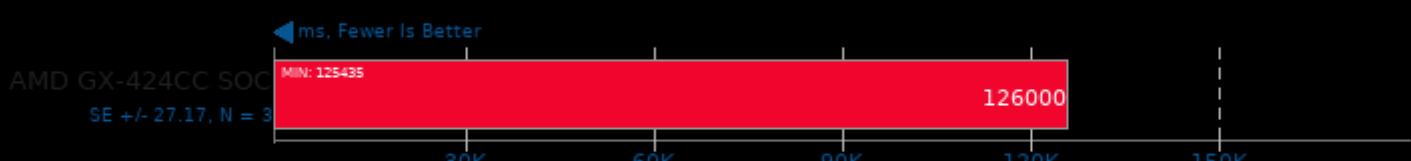
Harness: Matrix Multiply Batch Shapes Transformer - Data Type: f32 - Engine: CPU



1. (CXX) g++ options: -O3 -march=native -std=c++11 -fopenmp -msse4.1 -fPIC -pie -lpthread -ldl

oneDNN 2.1.2

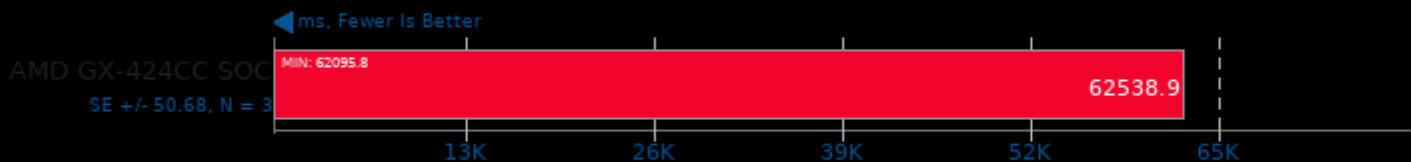
Harness: Recurrent Neural Network Training - Data Type: bf16bf16bf16 - Engine: CPU



1. (CXX) g++ options: -O3 -march=native -std=c++11 -fopenmp -msse4.1 -fPIC -pie -lpthread -ldl

oneDNN 2.1.2

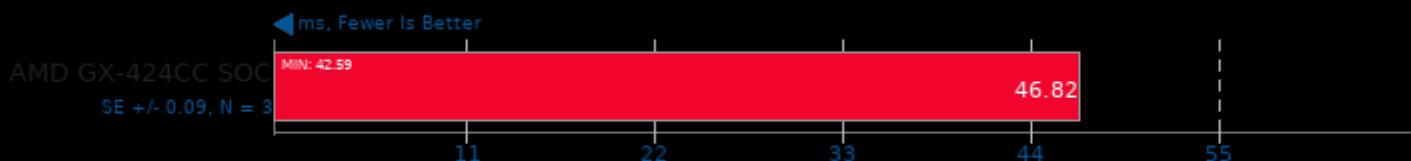
Harness: Recurrent Neural Network Inference - Data Type: bf16bf16bf16 - Engine: CPU



1. (CXX) g++ options: -O3 -march=native -std=c++11 -fopenmp -msse4.1 -fPIC -pie -lpthread -ldl

oneDNN 2.1.2

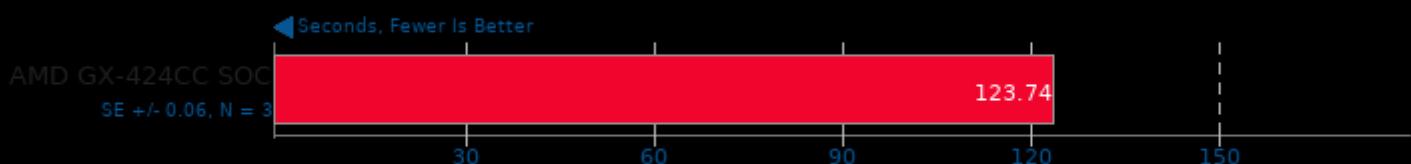
Harness: Matrix Multiply Batch Shapes Transformer - Data Type: u8s8f32 - Engine: CPU



1. (CXX) g++ options: -O3 -march=native -std=c++11 -fopenmp -msse4.1 -fPIC -pie -lpthread -ldl

AOBench

Size: 2048 x 2048 - Total Time



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

Timed Eigen Compilation 3.3.9

Time To Compile



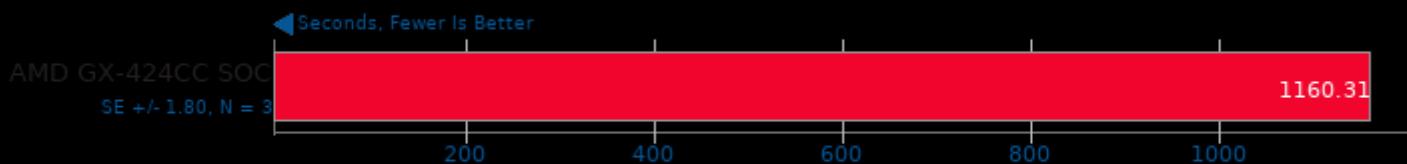
Timed Erlang/OTP Compilation 23.2

Time To Compile



Timed Wasmer Compilation 1.0.2

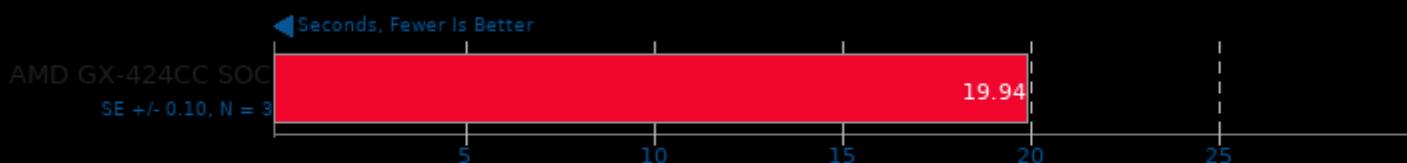
Time To Compile



1. (CC) gcc options: -m64 -pie -nodefaultlibs -ldl -lrt -lpthread -lgcc_s -lc -lm -lutil

FFmpeg 4.0.2

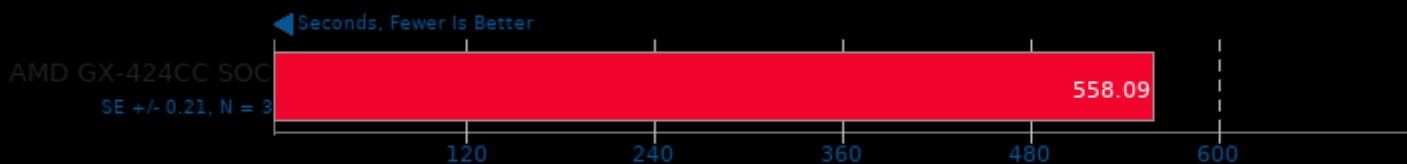
H.264 HD To NTSC DV



1. (CC) gcc options: -lavdevice -lavfilter -lavformat -lavcodec -lswresample -lswscale -lavutil -lXv -lX11 -lXext -lm -lxcb -lasound -pthread -lva -lbz2 -llzma

m-queens 1.2

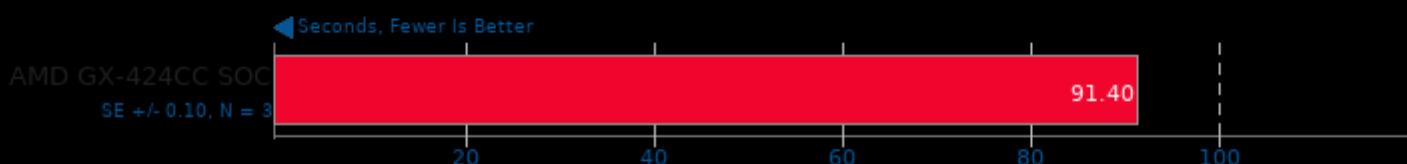
Time To Solve



1. (CXX) g++ options: -fopenmp -O2 -march=native

N-Queens 1.0

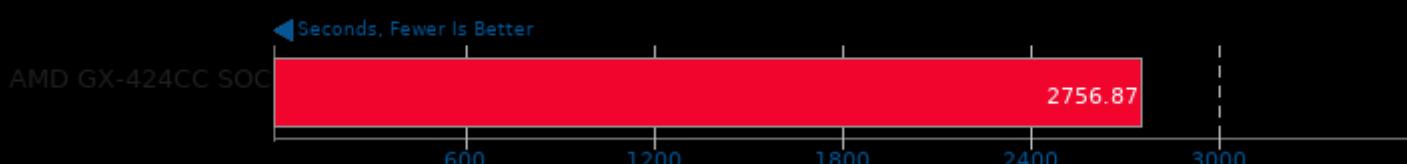
Elapsed Time



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

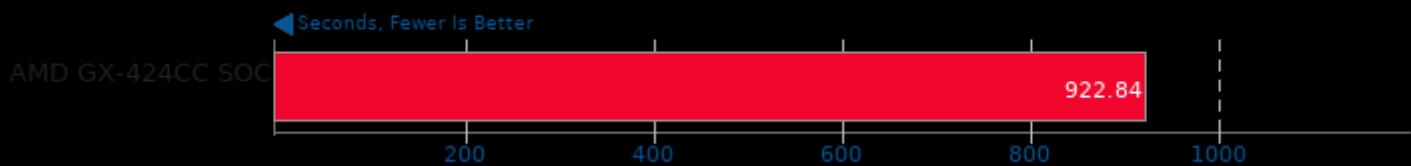
Radiance Benchmark 5.0

Test: Serial



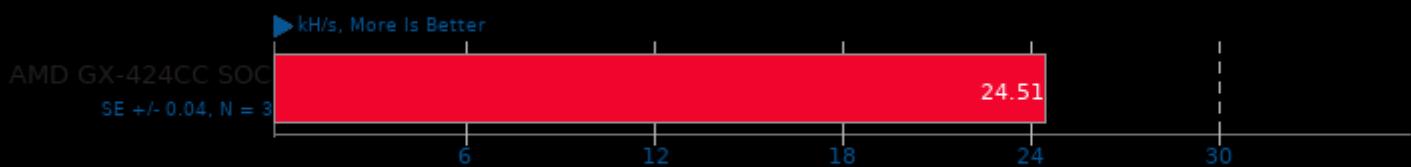
Radiance Benchmark 5.0

Test: SMP Parallel



Cpuminer-Opt 3.15.5

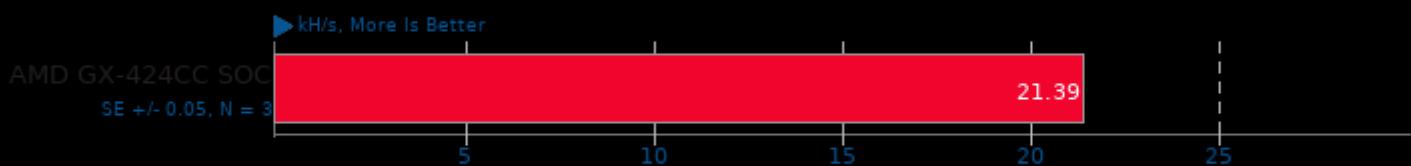
Algorithm: Magi



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

Cpuminer-Opt 3.15.5

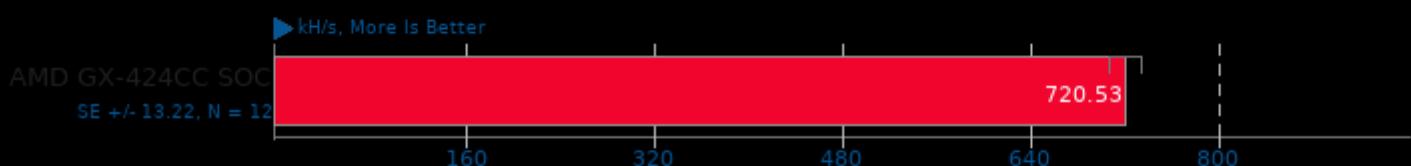
Algorithm: x25x



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

Cpuminer-Opt 3.15.5

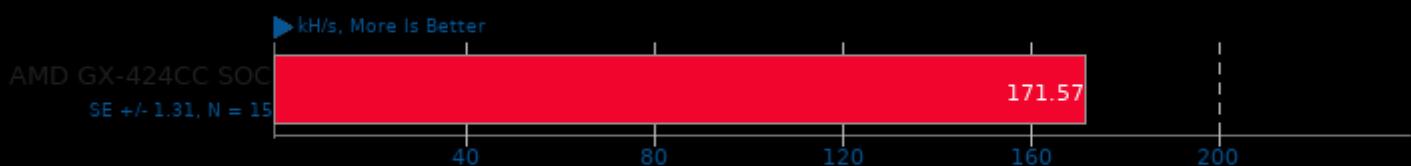
Algorithm: Deepcoin



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

Cpuminer-Opt 3.15.5

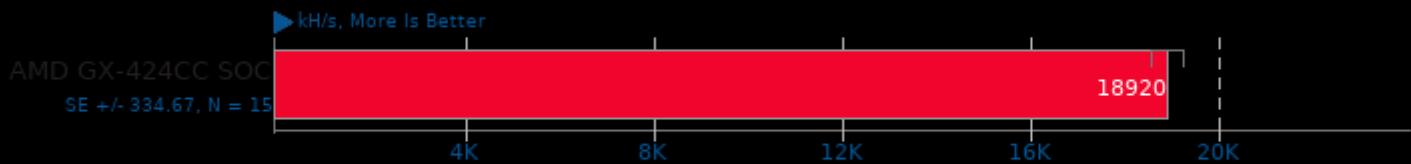
Algorithm: Ringcoin



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

Cpuminer-Opt 3.15.5

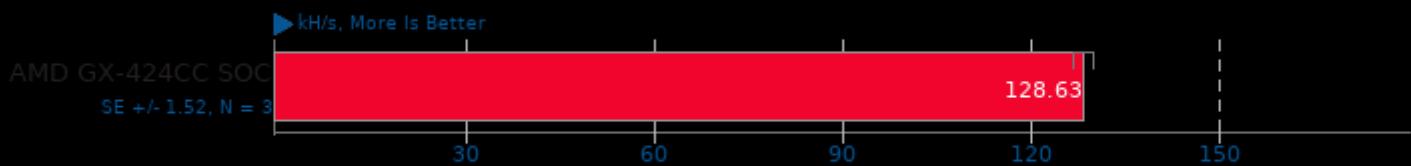
Algorithm: Blake-2 S



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

Cpuminer-Opt 3.15.5

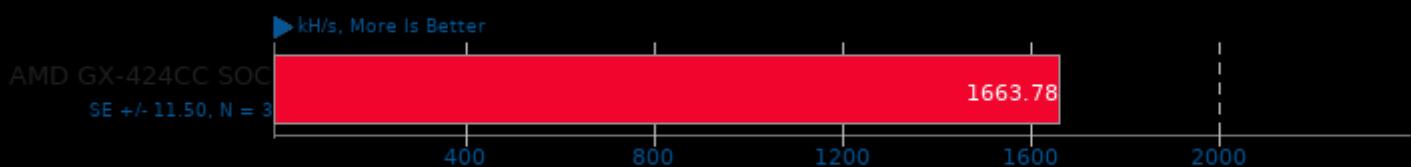
Algorithm: Garlicoin



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

Cpuminer-Opt 3.15.5

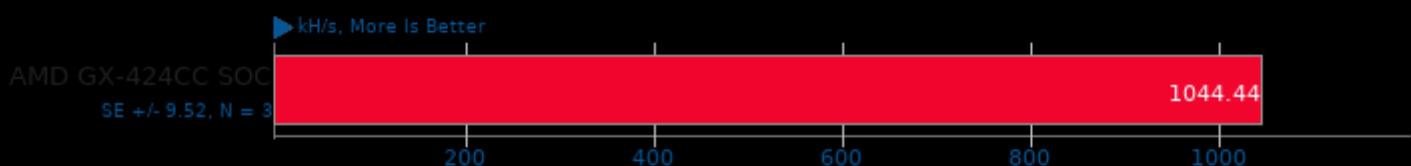
Algorithm: Skeincoin



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

Cpuminer-Opt 3.15.5

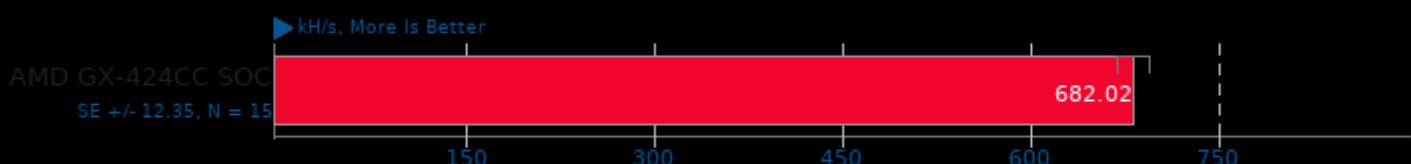
Algorithm: Myriad-Groestl



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

Cpuminer-Opt 3.15.5

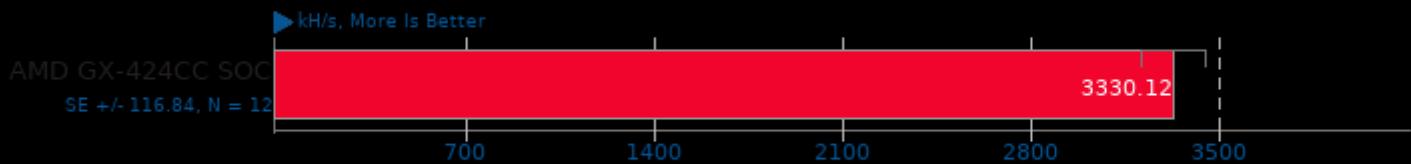
Algorithm: LBC, LBRY Credits



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

Cpuminer-Opt 3.15.5

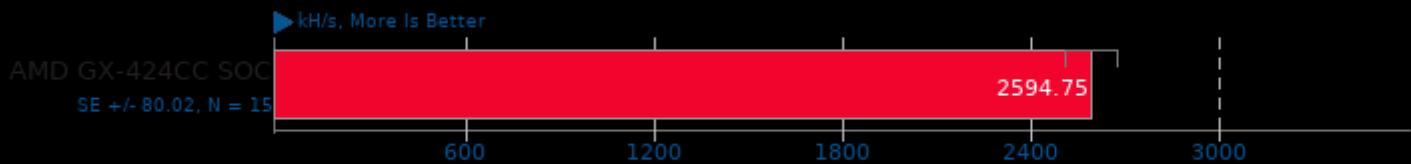
Algorithm: Quad SHA-256, Pyrite



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

Cpuminer-Opt 3.15.5

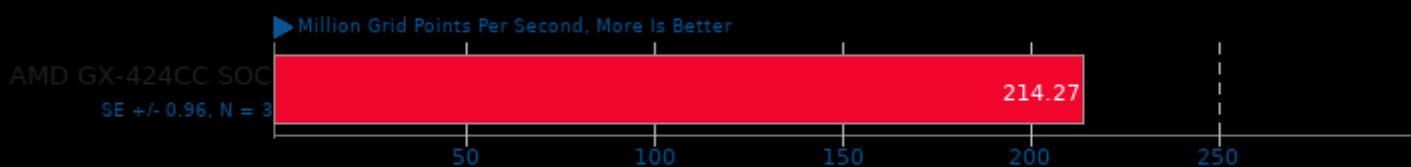
Algorithm: Triple SHA-256, Onecoin



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

ASKAP 1.0

Test: tConvolve MT - Gridding



1. (CXX) g++ options: -O3 -fstrict-aliasing -fopenmp

ASKAP 1.0

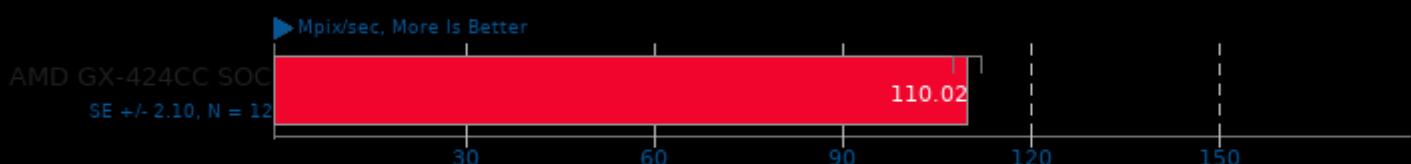
Test: tConvolve MT - Degridding



1. (CXX) g++ options: -O3 -fstrict-aliasing -fopenmp

ASKAP 1.0

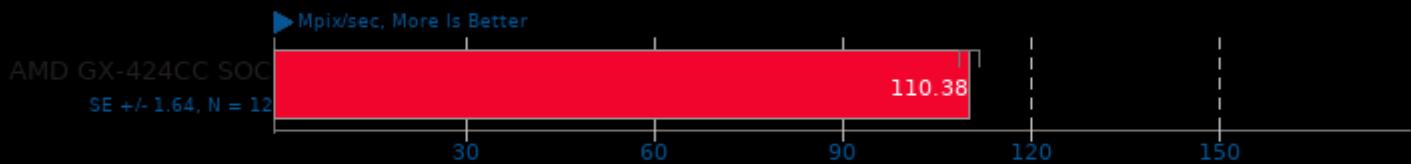
Test: tConvolve MPI - Degridding



1. (CXX) g++ options: -O3 -fstrict-aliasing -fopenmp

ASKAP 1.0

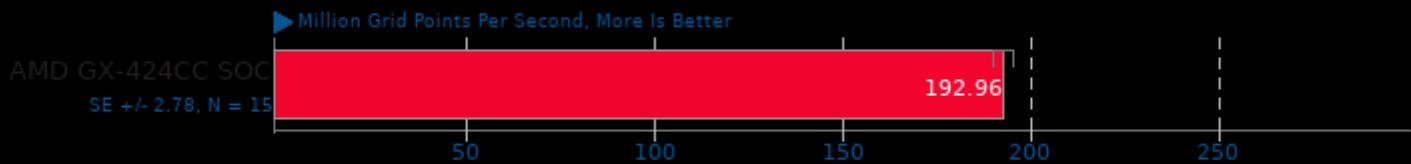
Test: tConvolve MPI - Gridding



1. (CXX) g++ options: -O3 -fstrict-aliasing -fopenmp

ASKAP 1.0

Test: tConvolve OpenMP - Gridding



1. (CXX) g++ options: -O3 -fstrict-aliasing -fopenmp

ASKAP 1.0

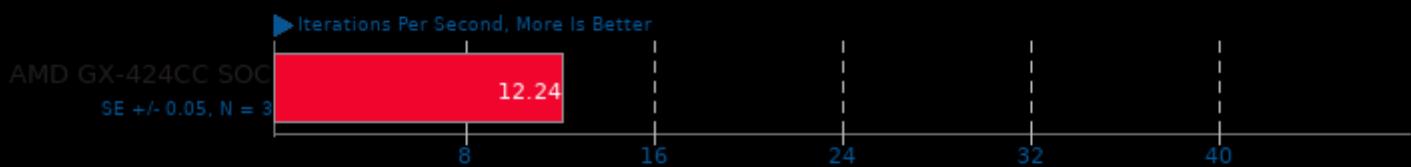
Test: tConvolve OpenMP - Degridding



1. (CXX) g++ options: -O3 -fstrict-aliasing -fopenmp

ASKAP 1.0

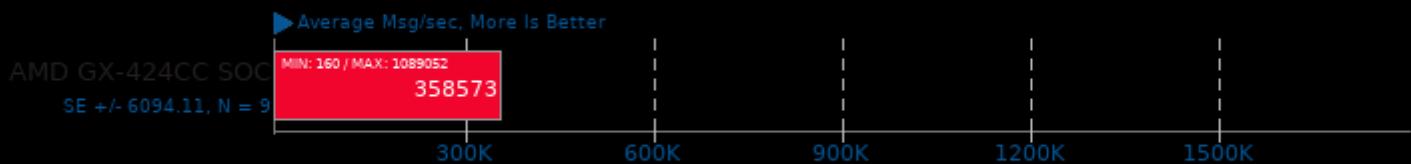
Test: Hogbom Clean OpenMP



1. (CXX) g++ options: -O3 -fstrict-aliasing -fopenmp

Intel MPI Benchmarks 2019.3

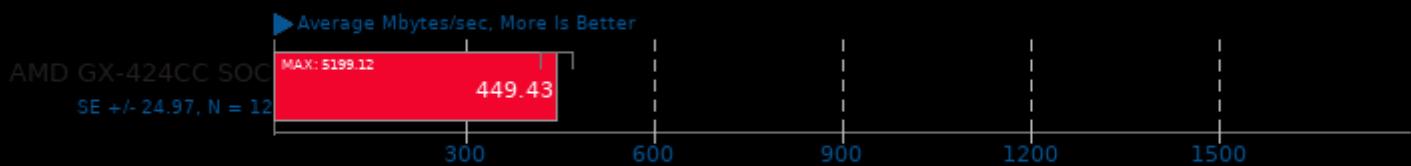
Test: IMB-P2P PingPong



1. (CXX) g++ options: -O0 -pedantic -fopenmp -pthread -lmpi_cxx -lmpi

Intel MPI Benchmarks 2019.3

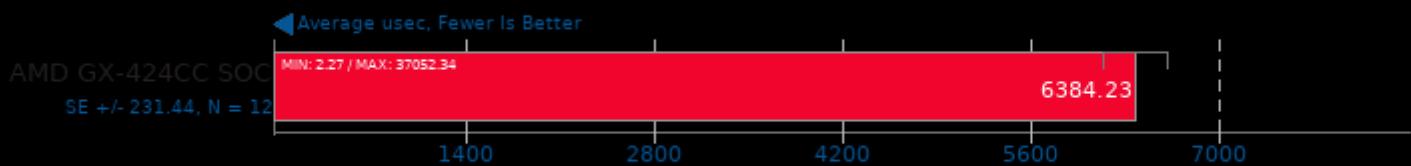
Test: IMB-MPI1 Exchange



1. (CXX) g++ options: -O0 -pedantic -fopenmp -pthread -lmpi_cxx -lmpi

Intel MPI Benchmarks 2019.3

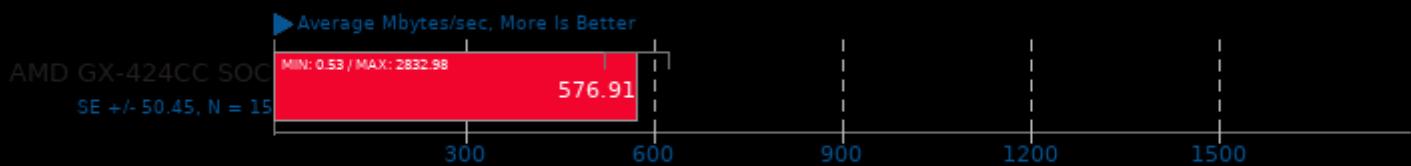
Test: IMB-MPI1 Exchange



1. (CXX) g++ options: -O0 -pedantic -fopenmp -pthread -lmpi_cxx -lmpi

Intel MPI Benchmarks 2019.3

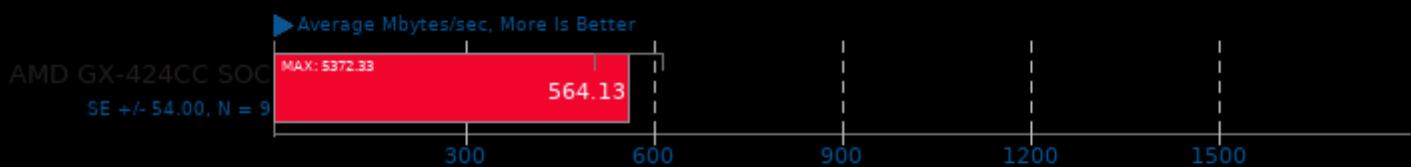
Test: IMB-MPI1 PingPong



1. (CXX) g++ options: -O0 -pedantic -fopenmp -pthread -lmpi_cxx -lmpi

Intel MPI Benchmarks 2019.3

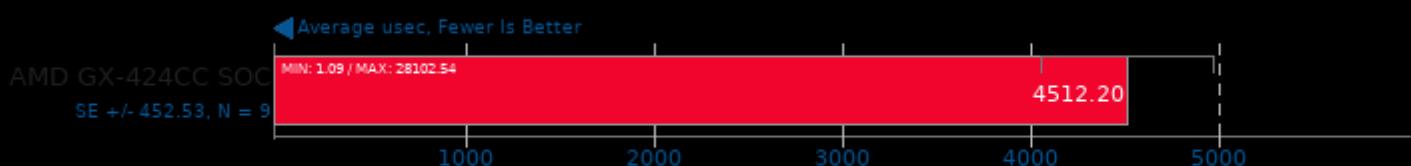
Test: IMB-MPI1 Sendrecv



1. (CXX) g++ options: -O0 -pedantic -fopenmp -pthread -lmpi_cxx -lmpi

Intel MPI Benchmarks 2019.3

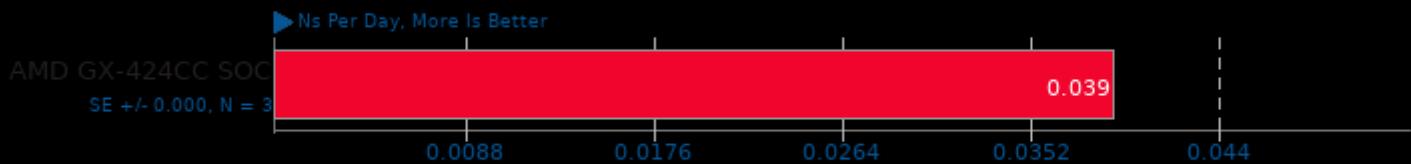
Test: IMB-MPI1 Sendrecv



1. (CXX) g++ options: -O0 -pedantic -fopenmp -pthread -lmpi_cxx -lmpi

GROMACS 2021.2

Implementation: MPI CPU - Input: water_GMX50_bare



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

MariaDB 10.5.2

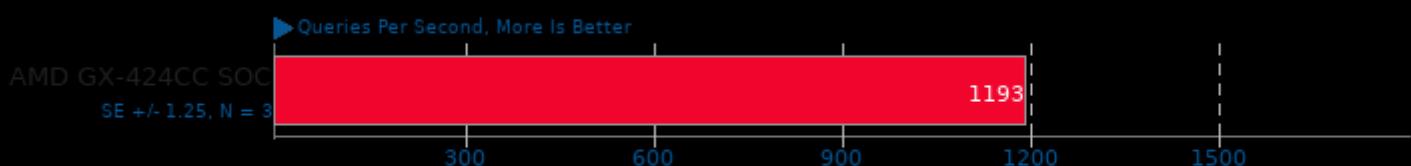
Clients: 1



1. (CXX) g++ options: -pie -fPIC -fstack-protector -O2 -pthread -llzma -lbz2 -laio -l numa -lpcre2-8 -lcrypt -lz -lm -lssl -lcrypto -ldl

MariaDB 10.5.2

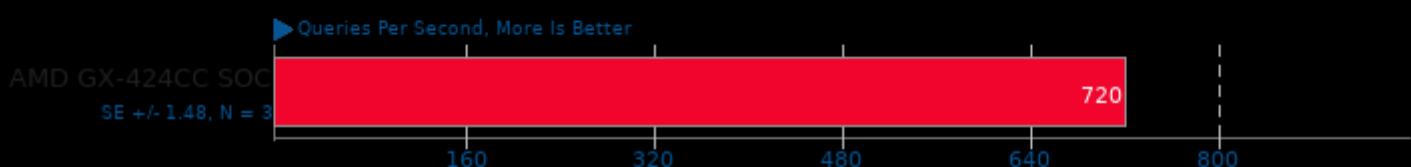
Clients: 4



1. (CXX) g++ options: -pie -fPIC -fstack-protector -O2 -pthread -llzma -lbz2 -laio -l numa -lpcre2-8 -lcrypt -lz -lm -lssl -lcrypto -ldl

MariaDB 10.5.2

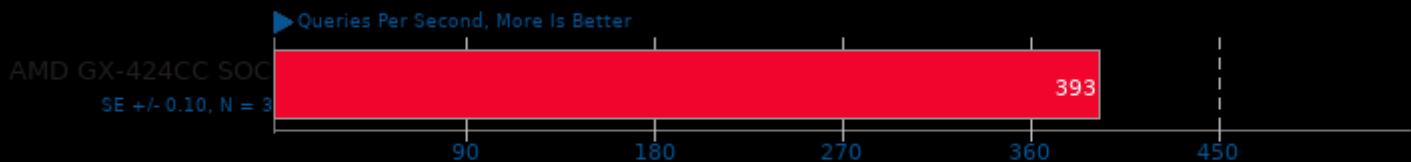
Clients: 8



1. (CXX) g++ options: -pie -fPIC -fstack-protector -O2 -pthread -llzma -lbz2 -laio -l numa -lpcre2-8 -lcrypt -lz -lm -lssl -lcrypto -ldl

MariaDB 10.5.2

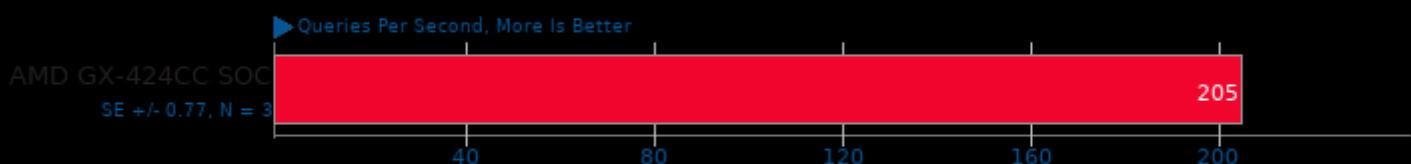
Clients: 16



1. (CXX) g++ options: -pie -fPIC -fstack-protector -O2 -lpthread -llzma -lbz2 -laio -l numa -lpcres2-8 -lcrypt -lz -lm -lssl -lcrypto -ldl

MariaDB 10.5.2

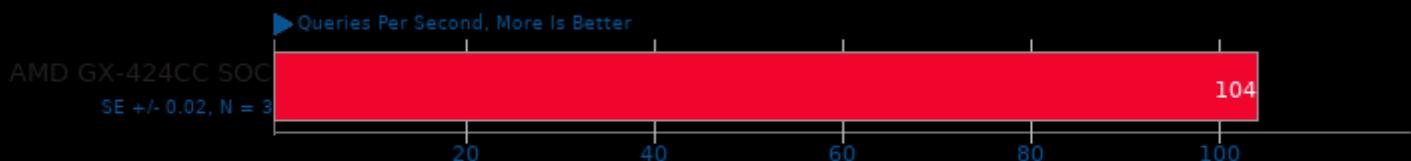
Clients: 32



1. (CXX) g++ options: -pie -fPIC -fstack-protector -O2 -lpthread -llzma -lbz2 -laio -l numa -lpcres2-8 -lcrypt -lz -lm -lssl -lcrypto -ldl

MariaDB 10.5.2

Clients: 64



1. (CXX) g++ options: -pie -fPIC -fstack-protector -O2 -lpthread -llzma -lbz2 -laio -l numa -lpcres2-8 -lcrypt -lz -lm -lssl -lcrypto -ldl

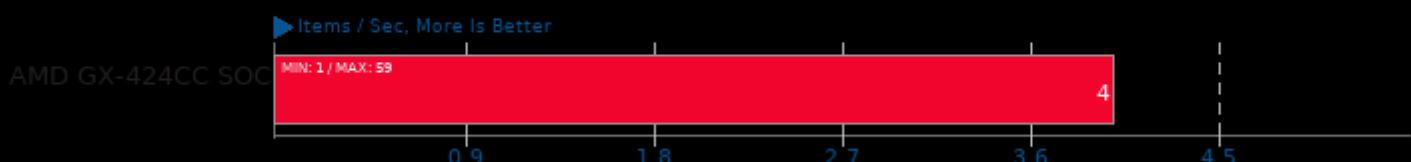
OpenVKL 1.0

Benchmark: vklBenchmark ISPC



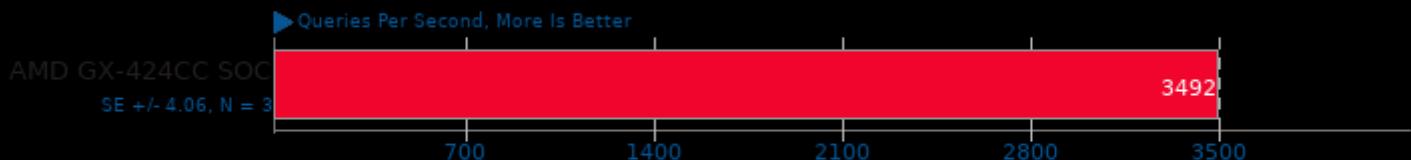
OpenVKL 1.0

Benchmark: vklBenchmark Scalar



MariaDB 10.6.4

Clients: 1



1. (CXX) g++ options: -pie -fPIC -fstack-protector -O3 -pthread -lizma -lbz2 -l numa -lpcre2-8 -lcrypt -laio -lz -lm -lssl -lcrypto -lpthread -ldl

MariaDB 10.6.4

Clients: 8



1. (CXX) g++ options: -pie -fPIC -fstack-protector -O3 -pthread -lizma -lbz2 -l numa -lpcre2-8 -lcrypt -laio -lz -lm -lssl -lcrypto -lpthread -ldl

MariaDB 10.6.4

Clients: 16



1. (CXX) g++ options: -pie -fPIC -fstack-protector -O3 -pthread -lizma -lbz2 -l numa -lpcre2-8 -lcrypt -laio -lz -lm -lssl -lcrypto -lpthread -ldl

MariaDB 10.6.4

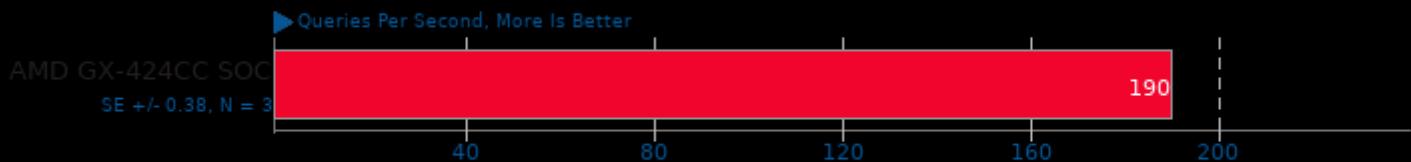
Clients: 32



1. (CXX) g++ options: -pie -fPIC -fstack-protector -O3 -pthread -lizma -lbz2 -l numa -lpcre2-8 -lcrypt -laio -lz -lm -lssl -lcrypto -lpthread -ldl

MariaDB 10.6.4

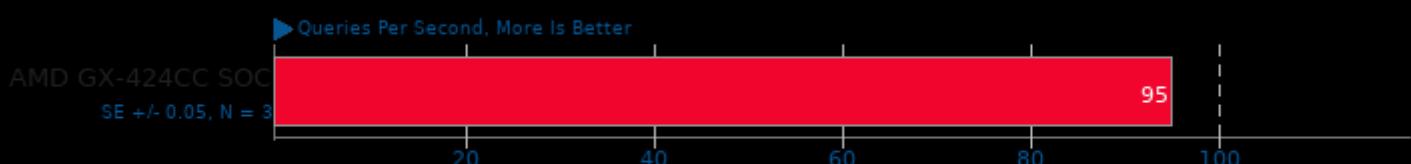
Clients: 64



1. (CXX) g++ options: -pie -fPIC -fstack-protector -O3 -pthread -lizma -lbz2 -l numa -lpcre2-8 -lcrypt -laio -lz -lm -lssl -lcrypto -lpthread -ldl

MariaDB 10.6.4

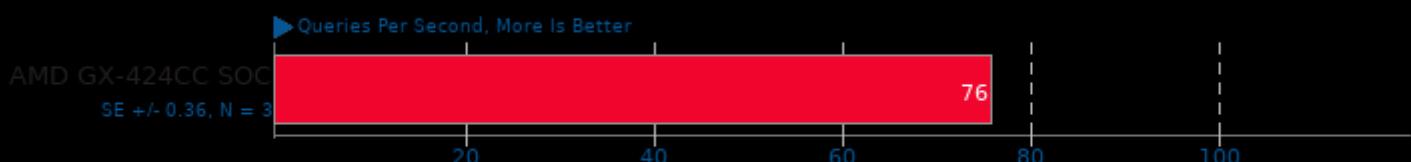
Clients: 128



1. (CXX) g++ options: -pie -fPIC -fstack-protector -O3 -pthread -lizma -lbz2 -l numa -lpcre2-8 -lcrypt -laio -lz -lm -lssl -lcrypto -lpthread -ldl

MariaDB 10.6.4

Clients: 256



1. (CXX) g++ options: -pie -fPIC -fstack-protector -O3 -pthread -lizma -lbz2 -l numa -lpcre2-8 -lcrypt -laio -lz -lm -lssl -lcrypto -lpthread -ldl

MariaDB 10.6.4

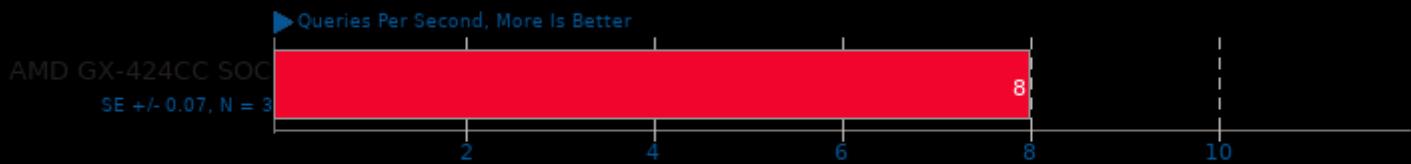
Clients: 512



1. (CXX) g++ options: -pie -fPIC -fstack-protector -O3 -pthread -lizma -lbz2 -l numa -lpcre2-8 -lcrypt -laio -lz -lm -lssl -lcrypto -lpthread -ldl

MariaDB 10.6.4

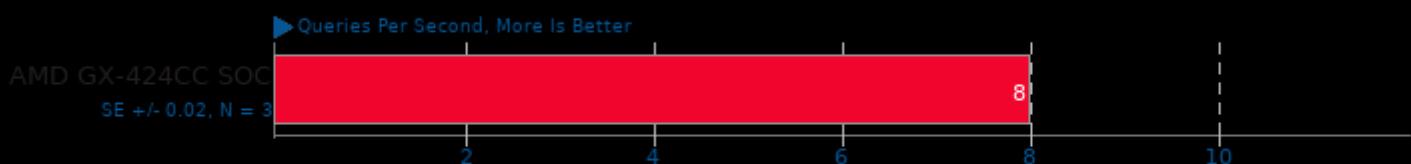
Clients: 1024



1. (CXX) g++ options: -pie -fPIC -fstack-protector -O3 -pthread -lizma -lbz2 -l numa -lpcre2-8 -lcrypt -laio -lz -lm -lssl -lcrypto -lpthread -ldl

MariaDB 10.6.4

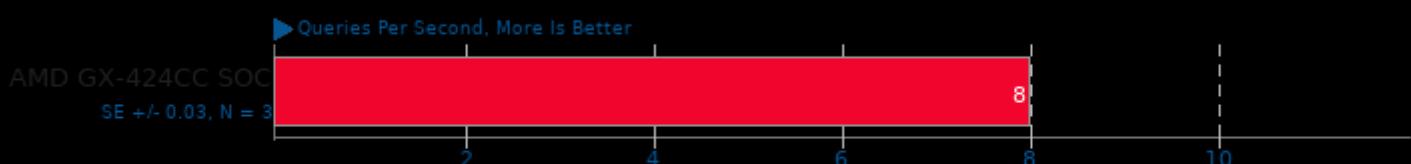
Clients: 2048



1. (CXX) g++ options: -pie -fPIC -fstack-protector -O3 -pthread -lizma -lbz2 -l numa -lpcre2-8 -lcrypt -laio -lz -lm -lssl -lcrypto -lpthread -ldl

MariaDB 10.6.4

Clients: 4096



1. (CXX) g++ options: -pie -fPIC -fstack-protector -O3 -pthread -lizma -lbz2 -l numa -lpcre2-8 -lcrypt -laio -lz -lm -lssl -lcrypto -lpthread -ldl

Sysbench 1.0.20

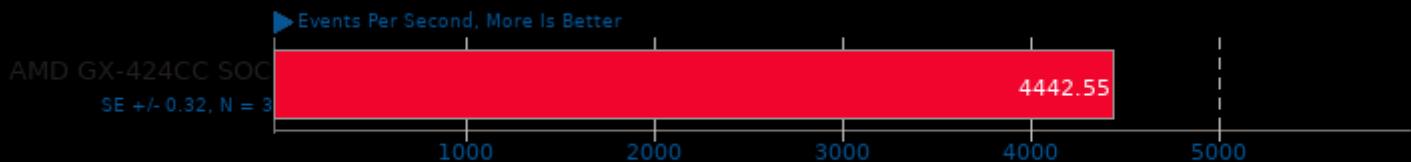
Test: RAM / Memory



1. (CC) gcc options: -pthread -O2 -funroll-loops -rdynamic -ldl -laio -lm

Sysbench 1.0.20

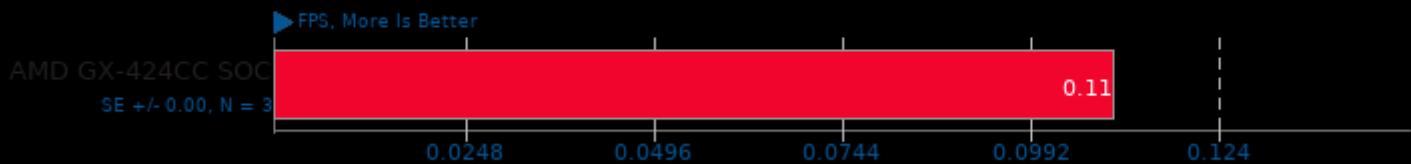
Test: CPU



1. (CC) gcc options: -pthread -O2 -funroll-loops -rdynamic -ldl -laio -lm

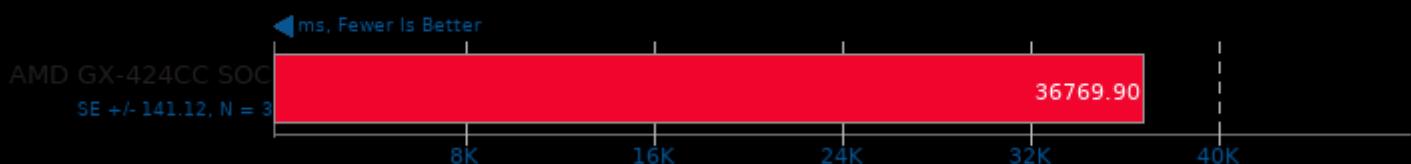
OpenVINO 2021.1

Model: Face Detection 0106 FP16 - Device: CPU



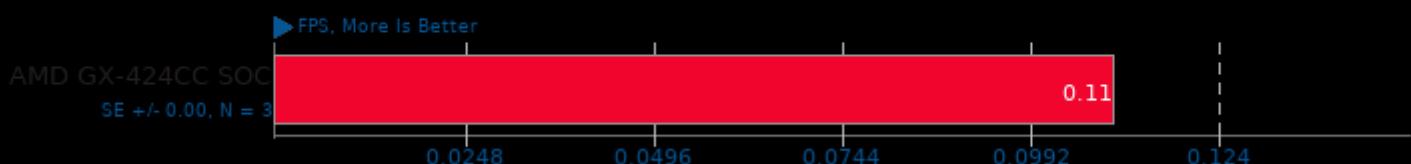
OpenVINO 2021.1

Model: Face Detection 0106 FP16 - Device: CPU



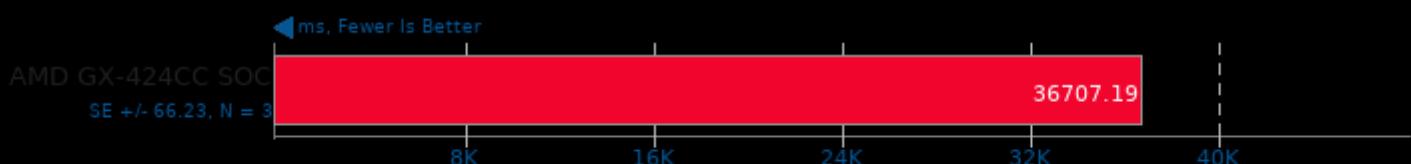
OpenVINO 2021.1

Model: Face Detection 0106 FP32 - Device: CPU



OpenVINO 2021.1

Model: Face Detection 0106 FP32 - Device: CPU



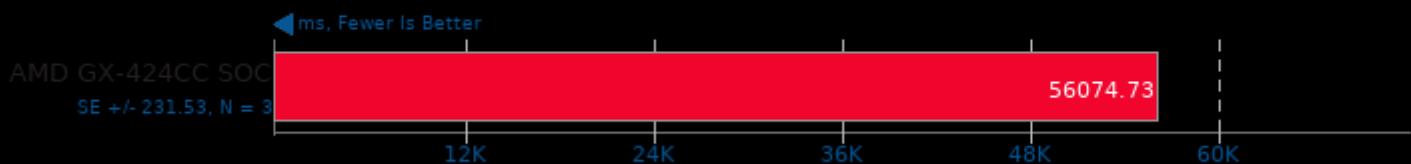
OpenVINO 2021.1

Model: Person Detection 0106 FP16 - Device: CPU



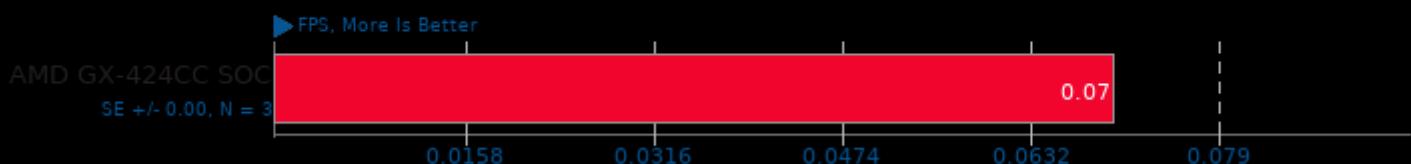
OpenVINO 2021.1

Model: Person Detection 0106 FP16 - Device: CPU



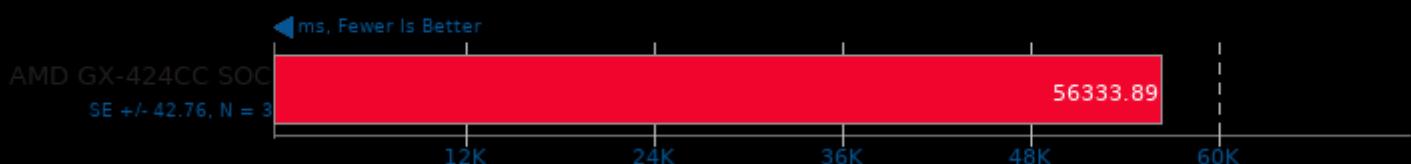
OpenVINO 2021.1

Model: Person Detection 0106 FP32 - Device: CPU



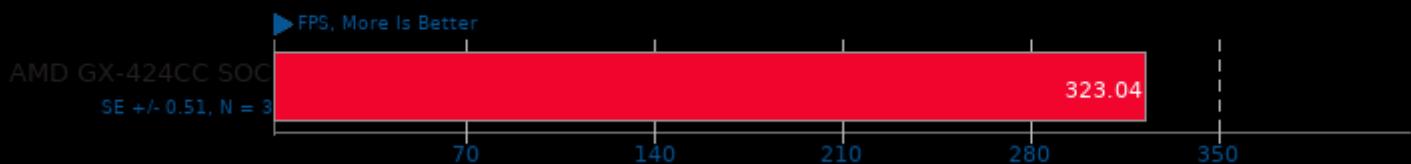
OpenVINO 2021.1

Model: Person Detection 0106 FP32 - Device: CPU



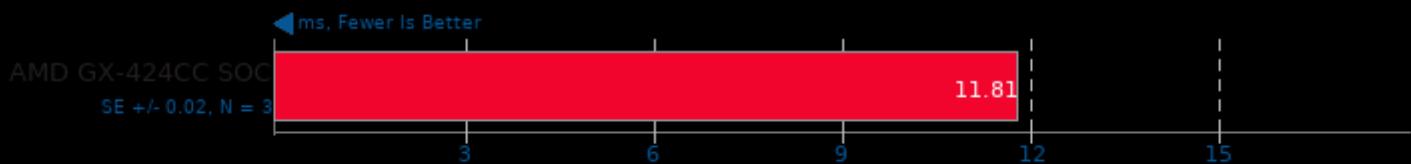
OpenVINO 2021.1

Model: Age Gender Recognition Retail 0013 FP16 - Device: CPU



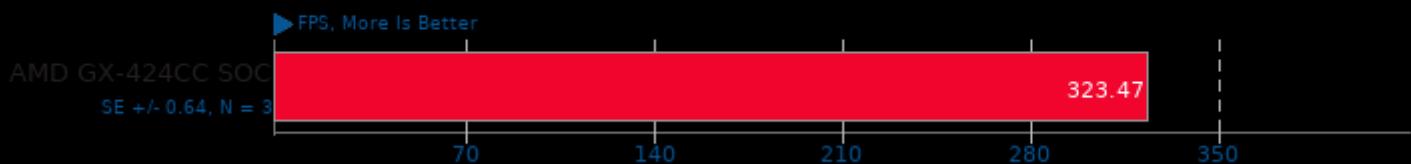
OpenVINO 2021.1

Model: Age Gender Recognition Retail 0013 FP16 - Device: CPU



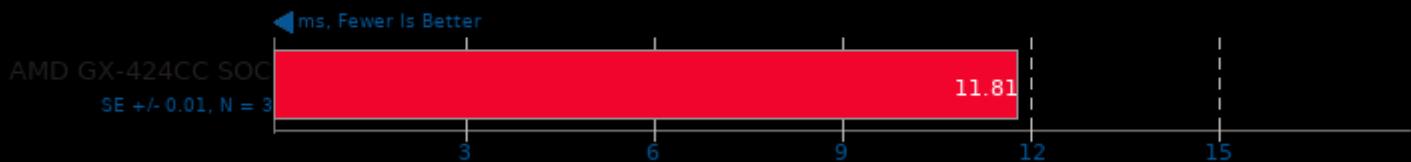
OpenVINO 2021.1

Model: Age Gender Recognition Retail 0013 FP32 - Device: CPU



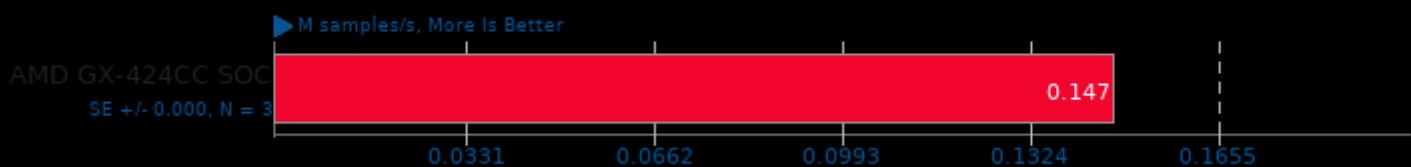
OpenVINO 2021.1

Model: Age Gender Recognition Retail 0013 FP32 - Device: CPU



IndigoBench 4.4

Acceleration: CPU - Scene: Bedroom



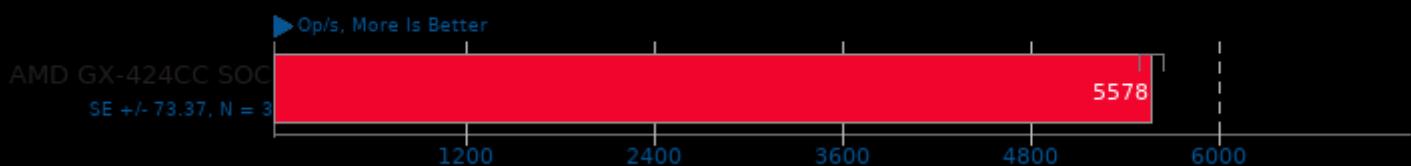
IndigoBench 4.4

Acceleration: CPU - Scene: Supercar



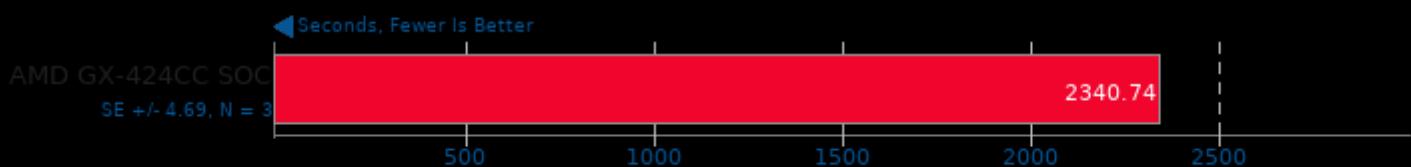
Apache Cassandra 4.0

Test: Writes

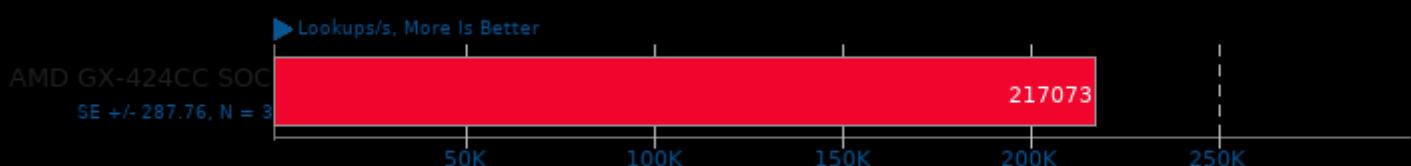


Blender 2.92

Blend File: BMW27 - Compute: CPU-Only



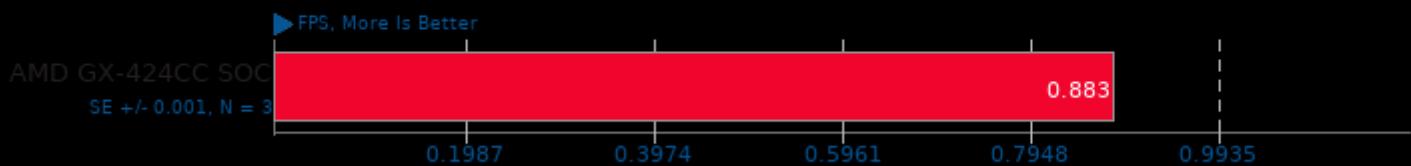
Xsbench 2017-07-06



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

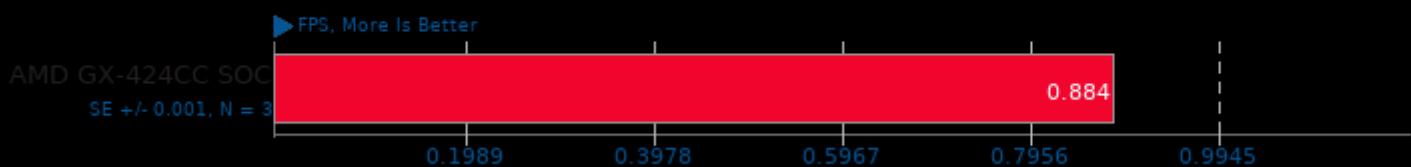
NeatBench 5

Acceleration: All



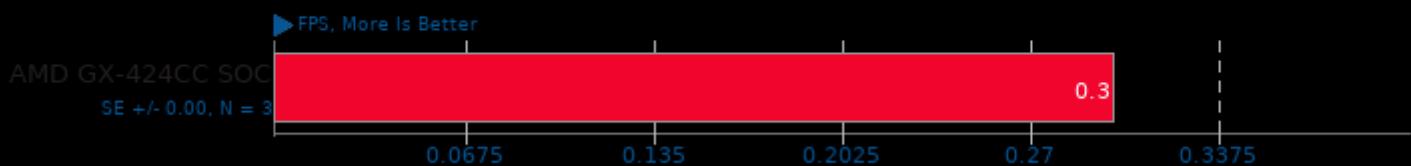
NeatBench 5

Acceleration: CPU



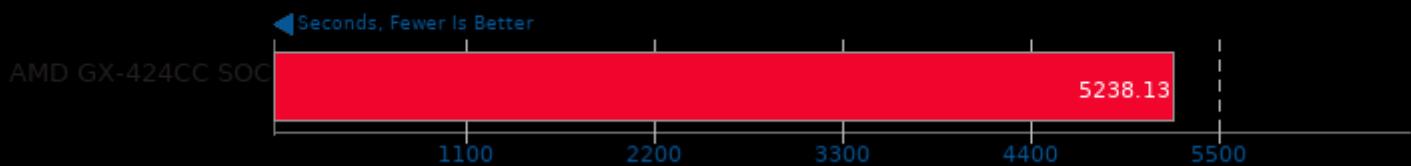
Natron 2.4

Input: Spaceship



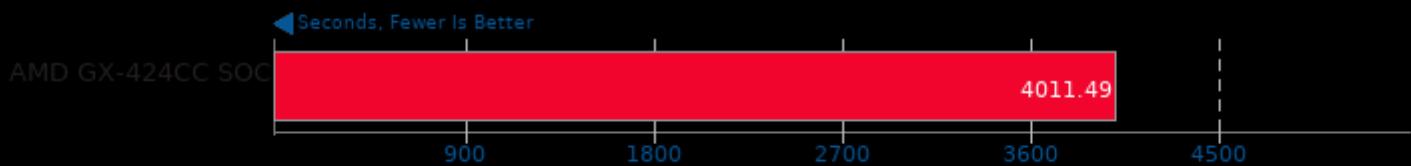
Appleseed 2.0 Beta

Scene: Emily



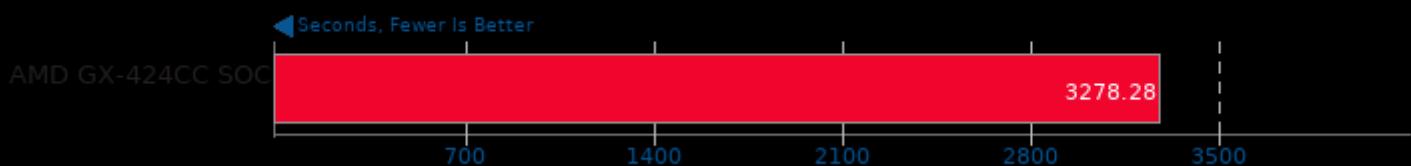
Appleseed 2.0 Beta

Scene: Disney Material



Appleseed 2.0 Beta

Scene: Material Tester



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

10:06.