



5900X AMD Linux 5.12 KFence Overhead Test

Linux KFence benchmarks quick tests by Michael Larabel.

Automated Executive Summary

kfence.sample_interval=500 had the most wins, coming in first place for 50% of the tests.

Based on the geometric mean of all complete results, the fastest (kfence.sample_interval=500) was 1.006x the speed of the slowest (kfence.sample_interval=100). KFence Disabled was 0.996x the speed of kfence.sample_interval=500 and kfence.sample_interval=100 was 0.997x the speed of KFence Disabled.

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

ParaView (Test: Wavelet Volume - Resolution: 1920 x 1080) at 1.07x

ParaView (Test: Wavelet Volume - Resolution: 1920 x 1080) at 1.07x

OSBench (Test: Memory Allocations) at 1.067x

srsLTE (Test: PHY_DL_Test) at 1.048x

Stress-NG (Test: Context Switching) at 1.048x

srsLTE (Test: PHY_DL_Test) at 1.046x

Basemark GPU (Renderer: OpenGL - Resolution: 1920 x 1080 - Graphics Preset: High) at 1.041x

Selenium (Benchmark: Jetstream 2 - Browser: Firefox) at 1.04x

OSBench (Test: Create Files) at 1.039x

OSBench (Test: Launch Programs) at 1.038x.

Test Systems:

KFence Disabled

kfence.sample_interval=100

kfence.sample_interval=500

Processor: AMD Ryzen 9 5900X 12-Core @ 3.70GHz (12 Cores / 24 Threads), Motherboard: ASUS ROG CROSSHAIR VIII HERO (3402 BIOS), Chipset: AMD Starship/Matisse, Memory: 16GB, Disk: 1000GB Sabrent Rocket 4.0 Plus + 2000GB, Graphics: AMD Radeon RX 6800 16GB (2475/1000MHz), Audio: AMD Device ab28, Monitor: ASUS VP28U, Network: Realtek RTL8125 2.5GbE + Intel I211

OS: Ubuntu 20.04, Kernel: 5.12.0-051200rc7daily20210418-generic (x86_64) 20210417, Desktop: GNOME Shell 3.36.7, Display Server: X Server 1.20.9, OpenGL: 4.6 Mesa 21.2.0-devel (git-c74d93c 2021-04-18 focal-oibaf-ppa) (LLVM 12.0.0), Vulkan: 1.1.168, Compiler: GCC 9.3.0 + CUDA 11.2, File-System: ext4, Screen Resolution: 3840x2160

Kernel Notes: Transparent Huge Pages: madvise

Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++,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

Disk Notes: NONE / errors=remount-ro,relatime,rw / Block Size: 4096

Processor Notes: Scaling Governor: acpi-cpufreq ondemand (Boost: Enabled) - CPU Microcode: 0xa201009

Python Notes: Python 3.8.5

Security Notes: itlb_multihit: Not affected + I1tf: 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 IBPB: conditional IBRS_FW STIBP: always-on RSB filling + srbds: Not affected + tsx_async_abort: Not affected

	KFence Disabled	kfence.sample_interv al=100	kfence.sample_interv al=500
Flexible IO Tester - Rand Read - IO_uring - No - Yes - 4KB (IOPS)	321667	326000	323667
Normalized	98.67%	100%	99.28%
Standard Deviation	0.9%		1%
FS-Mark - 1.F.1.S (Files/s)	630.0	634.3	666.0
Normalized	94.59%	95.24%	100%
Standard Deviation	2.6%	22.2%	2.5%
Compile Bench - Initial Create (MB/s)	739.97	760.78	761.92
Normalized	97.12%	99.85%	100%
Standard Deviation	2%	1.5%	1.5%
RealSR-NCNN - 4x - Yes (sec)	32.045	32.123	32.079
Normalized	100%	99.76%	99.89%
Standard Deviation	0.1%	0.1%	0.2%

Waifu2x-NCNN Vulkan - 2x - 3 - Yes (sec)	3.600	3.609	3.623
Normalized	100%	99.75%	99.37%
Standard Deviation	0.7%	0.5%	0.9%
Tesseract - 3840 x 2160 (FPS)	765.6192	752.4988	744.2564
Normalized	100%	98.29%	97.21%
Standard Deviation	1.7%	2.8%	1.4%
Unigine Superposition - 1920 x 1080 - Fullscreen - Low - OpenGL (FPS)	269.2	267.3	268.7
Normalized	100%	99.29%	99.81%
Standard Deviation	0.7%	0.9%	0.9%
GLmark2 - 1920 x 1080 (Score)	18803	19066	18672
Normalized	98.62%	100%	97.93%
GLmark2 - 3840 x 2160 (Score)	8391	8388	8393
Normalized	99.98%	99.94%	100%
ParaView - Many Spheres - 1920 x 1080 (Frames / Sec)	146.26	149.01	147.63
Normalized	98.15%	100%	99.07%
Standard Deviation	0.7%	0.5%	0.7%
ParaView - Many Spheres - 1920 x 1080 (MiPolys / Sec)	14664	14939	14800
Normalized	98.16%	100%	99.07%
Standard Deviation	0.7%	0.5%	0.7%
ParaView - Wavelet Volume - 1920 x 1080 (Frames / Sec)	566.70	543.83	529.78
Normalized	100%	95.96%	93.49%
Standard Deviation	0.7%	2.2%	2.4%
ParaView - Wavelet Volume - 1920 x 1080 (MiVoxels / Sec)	9067	8701	8477
Normalized	100%	95.96%	93.49%
Standard Deviation	0.7%	2.2%	2.4%
ParaView - Wavelet Contour - 1920 x 1080 (Frames / Sec)	381.31	381.86	383.90
Normalized	99.33%	99.47%	100%
Standard Deviation	1.1%	1.2%	0.2%
ParaView - Wavelet Contour - 1920 x 1080 (MiPolys / Sec)	3974	3979	4001
Normalized	99.33%	99.47%	100%
Standard Deviation	1.1%	1.2%	0.2%
OSBench - Create Files (us/Event)	10.422784	10.548524	10.148533
Normalized	97.37%	96.21%	100%
Standard Deviation	1.6%	0.7%	1.7%
OSBench - Create Threads (us/Event)	7.882516	8.169810	7.934809
Normalized	100%	96.48%	99.34%
Standard Deviation	2.3%	1.4%	2.4%
OSBench - Launch Programs (us/Event)	27.205944	26.954412	26.206970
Normalized	96.33%	97.23%	100%
Standard Deviation	2.5%	2.4%	2.4%
OSBench - Create Processes (us/Event)	17.022292	17.294884	17.030239
Normalized	100%	98.42%	99.95%
Standard Deviation	2.4%	2.2%	2.4%
OSBench - Memory Allocations (Ns/Event)	54.647366	56.193988	52.651008
Normalized	96.35%	93.7%	100%
Standard Deviation	0.3%	2.4%	0.5%
QuantLib (MFLOPS)	3172	3075	3163

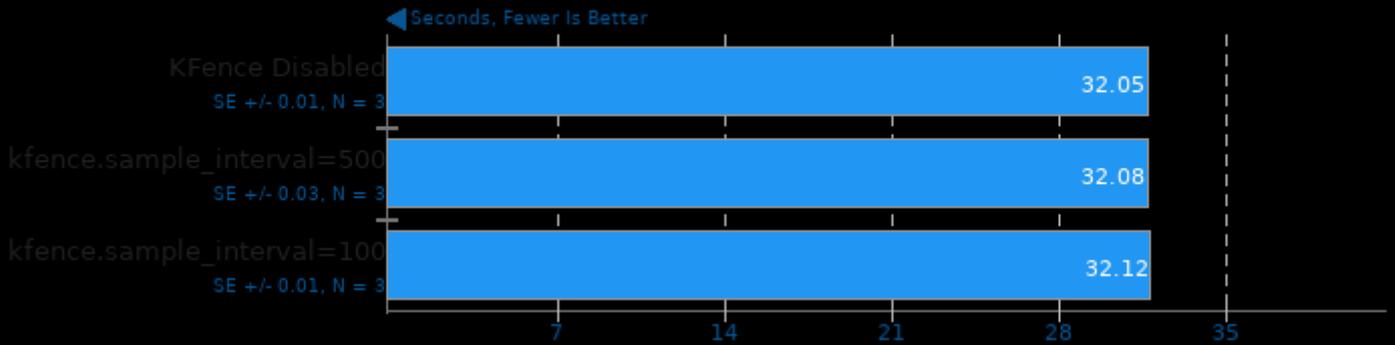
	Normalized	100%	96.95%	99.71%
	Standard Deviation	4.8%	3.6%	4.4%
simdjson - Kostya (GB/s)		3.76	3.66	3.77
	Normalized	99.73%	97.08%	100%
	Standard Deviation	0.5%	0.4%	2.1%
simdjson - PartialTweets (GB/s)		4.81	4.82	4.83
	Normalized	99.59%	99.79%	100%
	Standard Deviation	1.9%	2.5%	2.4%
simdjson - DistinctUserID (GB/s)		5.36	5.24	5.42
	Normalized	98.89%	96.68%	100%
	Standard Deviation	2.1%	0.7%	1.5%
srsLTE - OFDM_Test (Samples / Second)		163133333	160600000	164166667
	Normalized	99.37%	97.83%	100%
	Standard Deviation	1.1%	0.2%	1.9%
srsLTE - PHY_DL_Test (eNb Mb/s)		357.3	346.1	362.7
	Normalized	98.51%	95.42%	100%
	Standard Deviation	1.3%	1.4%	0.6%
srsLTE - PHY_DL_Test (UE Mb/s)		129.2	124.8	130.6
	Normalized	98.93%	95.56%	100%
	Standard Deviation	1.9%	1%	0.2%
LuxCoreRender - DLSC - CPU (M)		2.97	2.96	2.98
	Normalized	99.66%	99.33%	100%
	Standard Deviation	1.3%	0.8%	0.5%
LuxCoreRender - Danish Mood - CPU (M samples/sec)		2.38	2.36	2.39
	Normalized	99.58%	98.74%	100%
	Standard Deviation	2.5%	1.5%	1.8%
LuxCoreRender - Orange Juice - CPU (M samples/sec)		4.63	4.60	4.64
	Normalized	99.78%	99.14%	100%
	Standard Deviation	0.3%	0.4%	0.3%
SVT-HEVC - 7 - Bosphorus 1080p (FPS)		178.19	178.61	179.18
	Normalized	99.45%	99.68%	100%
	Standard Deviation	0.7%	1.2%	0.5%
SVT-HEVC - 10 - Bosphorus 1080p (FPS)		325.17	333.09	333.65
	Normalized	97.46%	99.83%	100%
	Standard Deviation	1%	0.4%	0.3%
SVT-VP9 - VMAF Optimized - Bosphorus 1080p (FPS)		224.18	224.76	225.79
	Normalized	99.29%	99.54%	100%
	Standard Deviation	1.3%	1.8%	1.3%
SVT-VP9 - P.S.O - Bosphorus 1080p (FPS)		230.49	231.67	232.63
	Normalized	99.08%	99.59%	100%
	Standard Deviation	0.1%	0.1%	0.2%
SVT-VP9 - V.Q.O - Bosphorus 1080p (FPS)		207.49	209.47	210.40
	Normalized	98.62%	99.56%	100%
	Standard Deviation	0.5%	0.3%	0.6%
Stockfish - Total Time (Nodes/s)		43836738	43226332	43693518
	Normalized	100%	98.61%	99.67%
	Standard Deviation	1%	2.4%	1.5%
Timed GDB GNU Debugger Compilation - Time To Compile (sec)		74.558	74.572	74.409
	Normalized	99.8%	99.78%	100%
	Standard Deviation	0.4%	0.3%	0.3%

Timed Godot Game Engine Compilation - Time To Compile (sec)	88.894	88.564	88.465
Normalized	99.52%	99.89%	100%
Standard Deviation	0.3%	0.7%	0.5%
Timed Linux Kernel Compilation - Time To Compile (sec)	59.091	58.656	58.655
Normalized	99.26%	100%	100%
Standard Deviation	1.1%	1.5%	1.6%
Timed Mesa Compilation - Time To Compile (sec)	36.578	36.210	36.243
Normalized	98.99%	100%	99.91%
Standard Deviation	0.2%	0.4%	0.2%
Timed Wasmer Compilation - Time To Compile (sec)	63.118	62.938	62.726
Normalized	99.38%	99.66%	100%
Standard Deviation	0.4%	0.4%	0.6%
SecureMark - SecureMark-TLS (marks)	325735	317860	321260
Normalized	100%	97.58%	98.63%
Standard Deviation	1%	2.5%	2%
Liquid-DSP - 16 - 256 - 57 (samples/s)	857143333	855020000	856216667
Normalized	100%	99.75%	99.89%
Standard Deviation	0.2%	1%	1.2%
Liquid-DSP - 24 - 256 - 57 (samples/s)	899796667	903696667	904190000
Normalized	99.51%	99.95%	100%
Standard Deviation	0.1%	0.2%	0.4%
KeyDB (Ops/sec)	781746	777726	773280
Normalized	100%	99.49%	98.92%
Standard Deviation	0.3%	0.5%	0.3%
SQLite Speedtest - Timed Time - Size 1,000 (sec)	44.467	44.427	44.478
Normalized	99.91%	100%	99.89%
Standard Deviation	2.2%	0.3%	0.9%
Hugin - P.P.A.S.T (sec)	35.440	35.806	36.323
Normalized	100%	98.98%	97.57%
Standard Deviation	1.3%	0.8%	1%
Inkscape - SVG Files To PNG (sec)	18.090	17.580	17.894
Normalized	97.18%	100%	98.25%
Standard Deviation	1.4%	0.4%	1.1%
LibreOffice - 2.D.T.P (sec)	5.121	5.156	5.081
Normalized	99.22%	98.55%	100%
Standard Deviation	2.7%	2.5%	2.3%
OCRMyPDF - P.6.P.P.D (sec)	17.391	17.299	17.538
Normalized	99.47%	100%	98.64%
Standard Deviation	0.5%	0.8%	0.5%
RawTherapee - T.B.T (sec)	46.393	46.356	46.370
Normalized	99.92%	100%	99.97%
Standard Deviation	0.2%	0.2%	0.3%
Stress-NG - MMAP (Bogo Ops/s)	381.25	378.37	380.88
Normalized	100%	99.24%	99.9%
Standard Deviation	0.6%	0.7%	0.4%
Stress-NG - NUMA (Bogo Ops/s)	402.41	399.68	404.41
Normalized	99.51%	98.83%	100%
Standard Deviation	0.6%	1.1%	1.5%
Stress-NG - MEMFD (Bogo Ops/s)	1162	1149	1153

	Normalized	100%	98.91%	99.2%
	Standard Deviation	0.2%	0.1%	0%
Stress-NG - SENDFILE (Bogo Ops/s)		308702	309225	308195
	Normalized	99.83%	100%	99.67%
	Standard Deviation	0.3%	0%	0.1%
Stress-NG - Semaphores (Bogo Ops/s)		1743254	1744082	1748356
	Normalized	99.71%	99.76%	100%
	Standard Deviation	0.1%	0.2%	0.9%
Stress-NG - Socket Activity (Bogo Ops/s)		9495	9301	9353
	Normalized	100%	97.95%	98.5%
	Standard Deviation	0.4%	2.1%	2.4%
Stress-NG - Context Switching (Bogo Ops/s)		6810941	7134643	7041804
	Normalized	95.46%	100%	98.7%
	Standard Deviation	1.8%	0.5%	2.3%
Basemark GPU - OpenGL - 1920 x 1080 - High (FPS)		182.53	175.68	182.81
	Normalized	99.85%	96.1%	100%
	Standard Deviation	4.3%	1.4%	0.8%
Basemark GPU - OpenGL - 1920 x 1080 - Medium (FPS)		333.52	335.96	341.87
	Normalized	97.56%	98.27%	100%
	Standard Deviation	2.4%	0.8%	2.9%
Selenium - Kraken - Firefox (ms)		813.7	801.7	805.6
	Normalized	98.53%	100%	99.52%
	Standard Deviation	1.4%	2.1%	0.9%
Selenium - Jetstream 2 - Firefox (Score)		99.929	103.936	101.235
	Normalized	96.14%	100%	97.4%
	Standard Deviation	2.4%	1%	2.5%
Selenium - PSPDFKit WASM - Firefox (Score)		2843	2840	2829
	Normalized	99.51%	99.61%	100%
	Standard Deviation	0.5%	0.2%	0.7%
Selenium - W.i - Firefox (ms)		24.7	25.2	24.7
	Normalized	100%	98.02%	100%
	Standard Deviation	1.2%	1.8%	0.2%
Selenium - W.c - Firefox (ms)		286.7	281.4	284.2
	Normalized	98.15%	100%	99.01%
	Standard Deviation	2.4%	0.8%	2.2%
InfluxDB - 4 - 10000 - 2,5000,1 - 10000		2047512	2064493	2060518
	Normalized	99.18%	100%	99.81%
	Standard Deviation	1.2%	0.6%	0.2%
InfluxDB - 64 - 10000 - 2,5000,1 - 10000 (val/sec)		2228858	2219965	2236527
	Normalized	99.66%	99.26%	100%
	Standard Deviation	0.8%	0.2%	0.1%

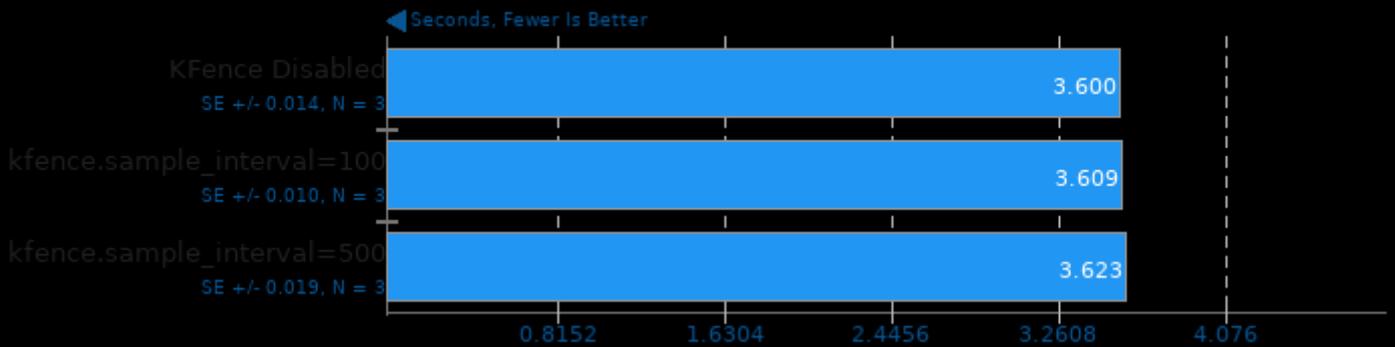
RealSR-NCNN 20200818

Scale: 4x - TAA: Yes



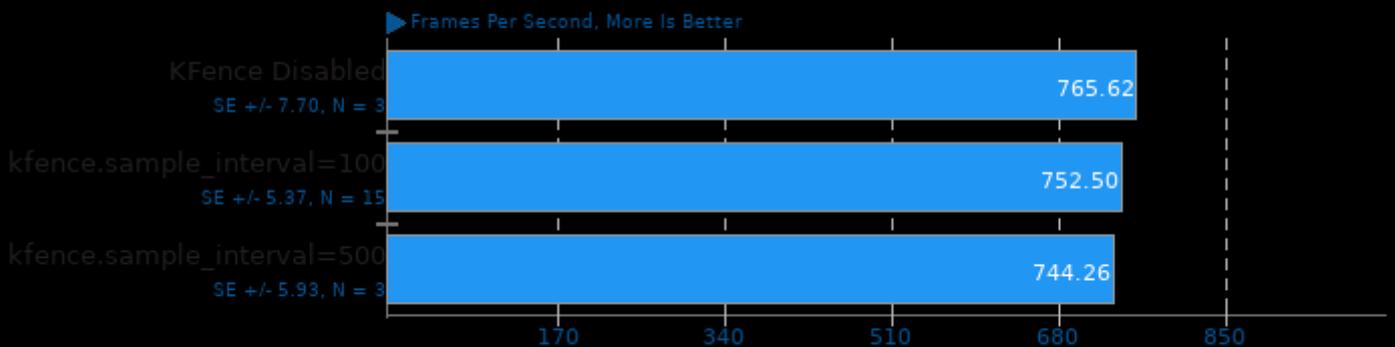
Waifu2x-NCNN Vulkan 20200818

Scale: 2x - Denoise: 3 - TAA: Yes



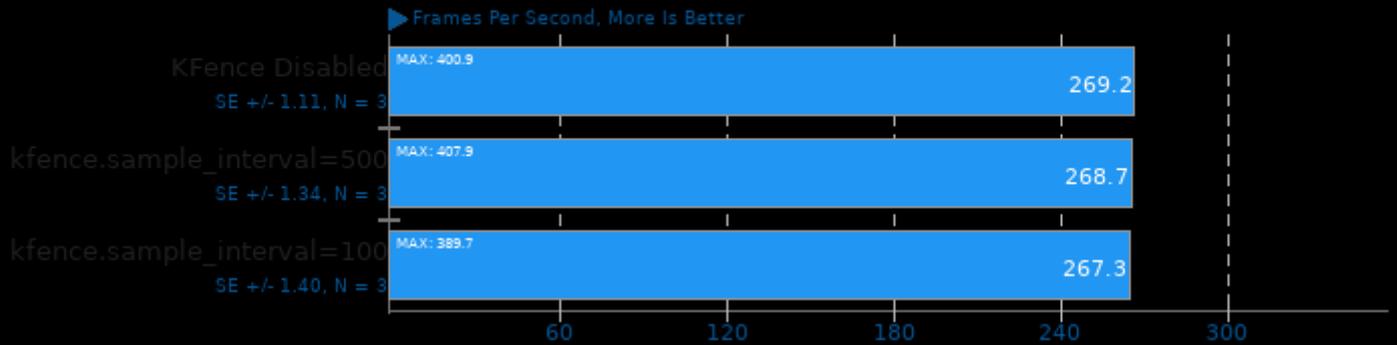
Tesseract 2014-05-12

Resolution: 3840 x 2160



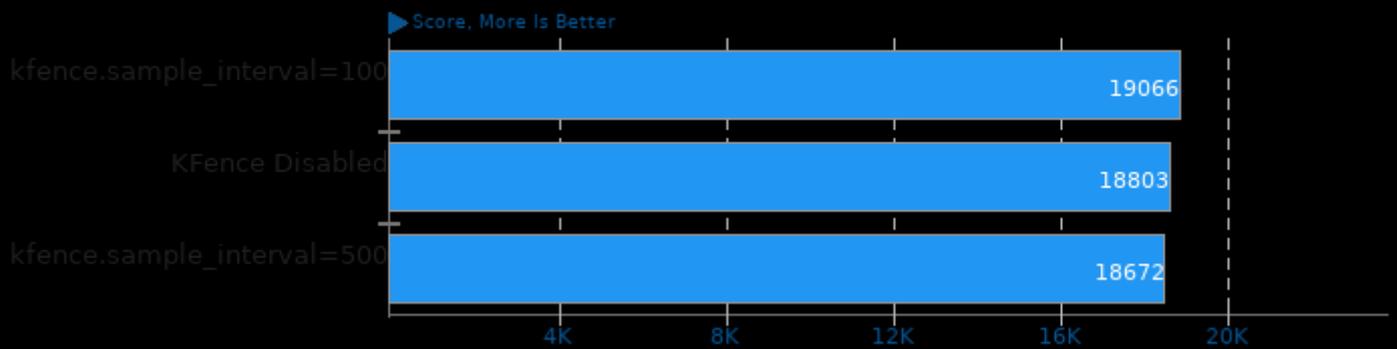
Unigine Superposition 1.0

Resolution: 1920 x 1080 - Mode: Fullscreen - Quality: Low - Renderer: OpenGL



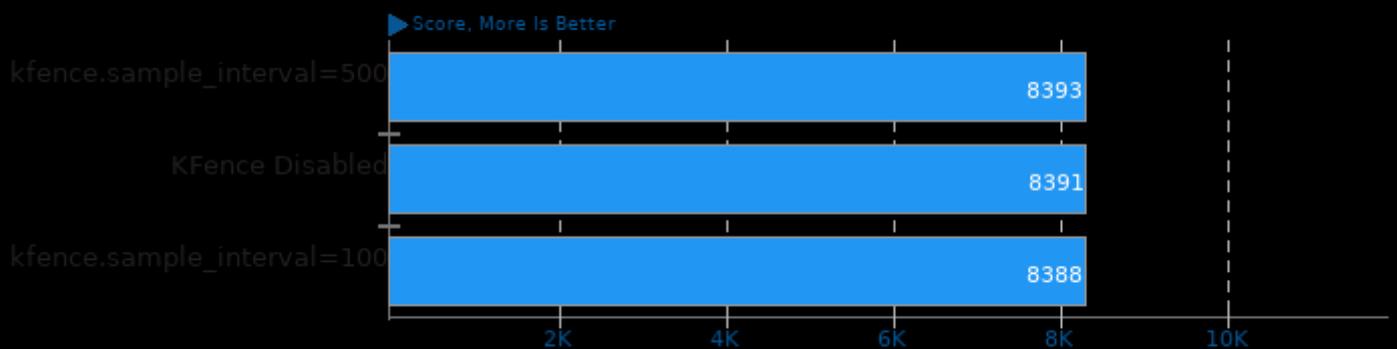
GLmark2 2020.04

Resolution: 1920 x 1080



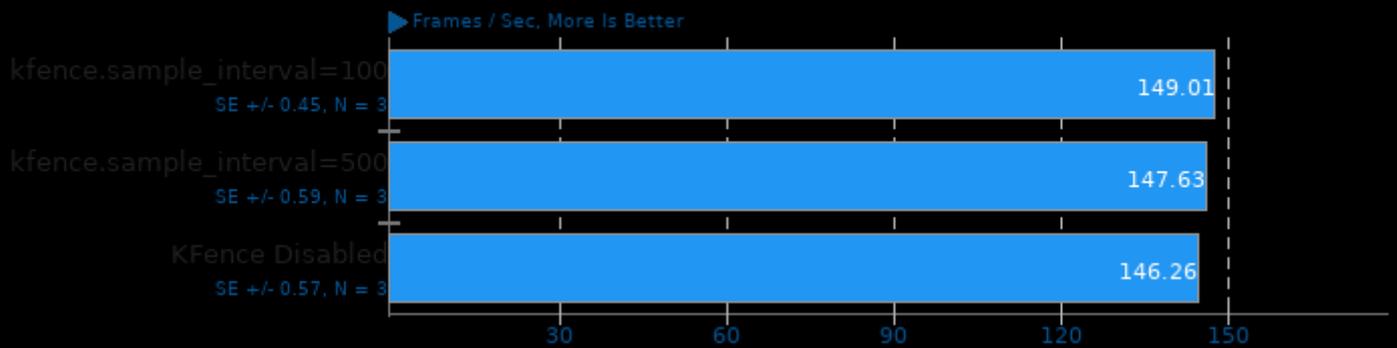
GLmark2 2020.04

Resolution: 3840 x 2160



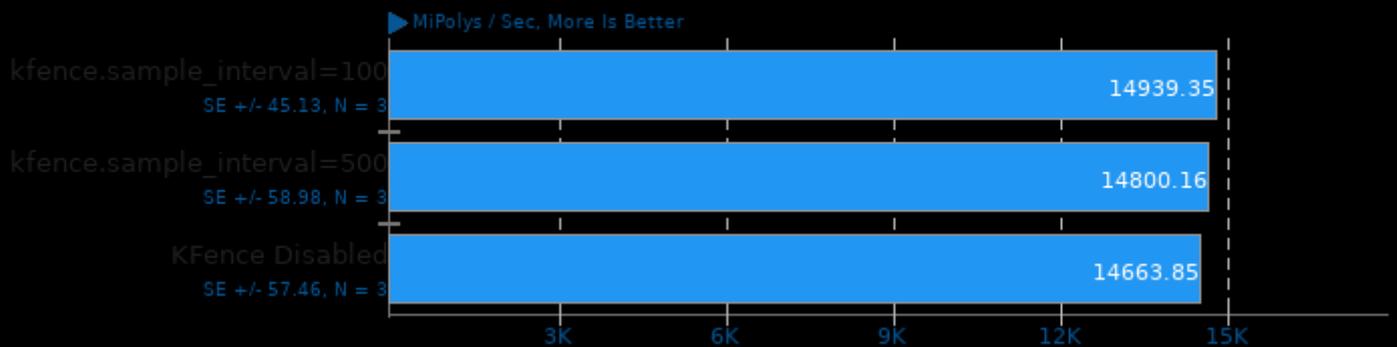
ParaView 5.9

Test: Many Spheres - Resolution: 1920 x 1080



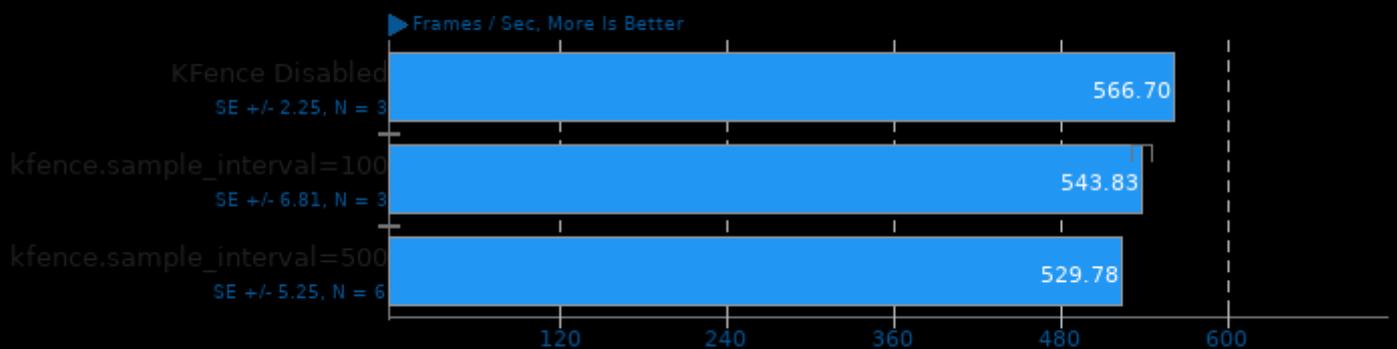
ParaView 5.9

Test: Many Spheres - Resolution: 1920 x 1080



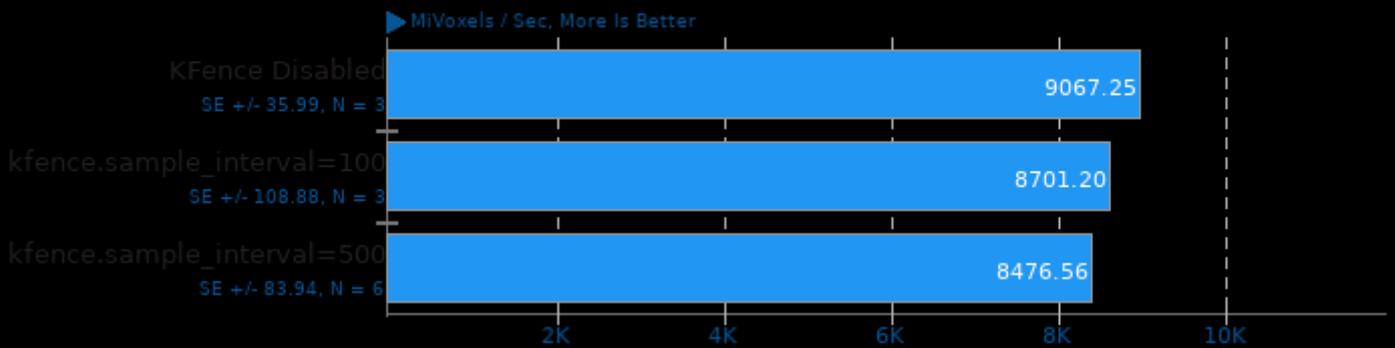
ParaView 5.9

Test: Wavelet Volume - Resolution: 1920 x 1080



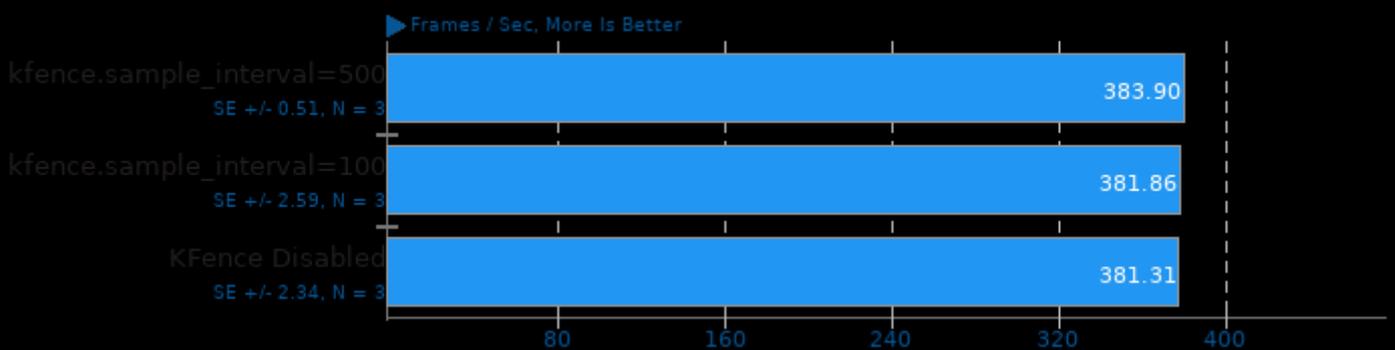
ParaView 5.9

Test: Wavelet Volume - Resolution: 1920 x 1080



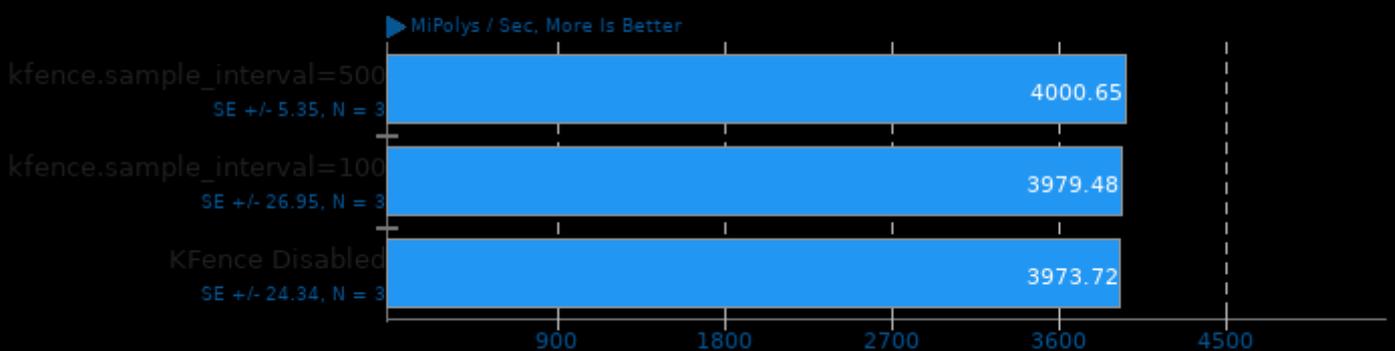
ParaView 5.9

Test: Wavelet Contour - Resolution: 1920 x 1080



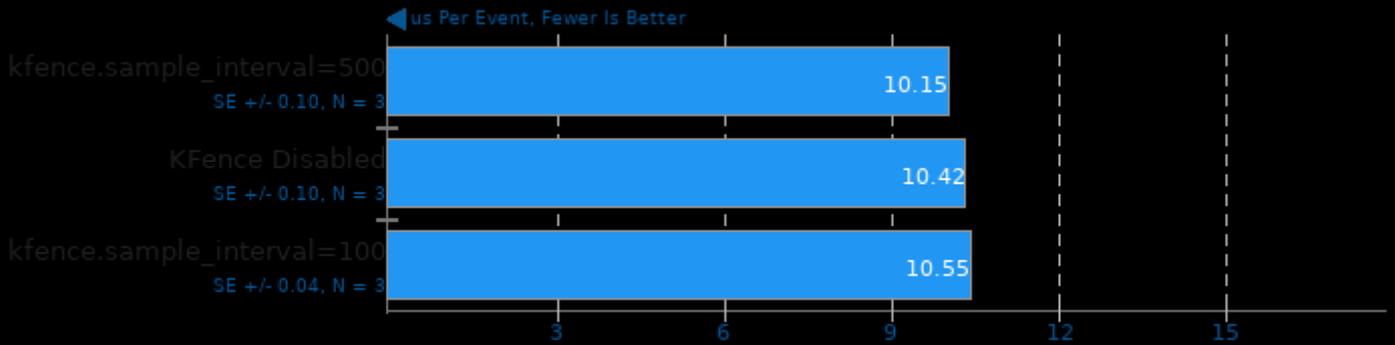
ParaView 5.9

Test: Wavelet Contour - Resolution: 1920 x 1080



OSBench

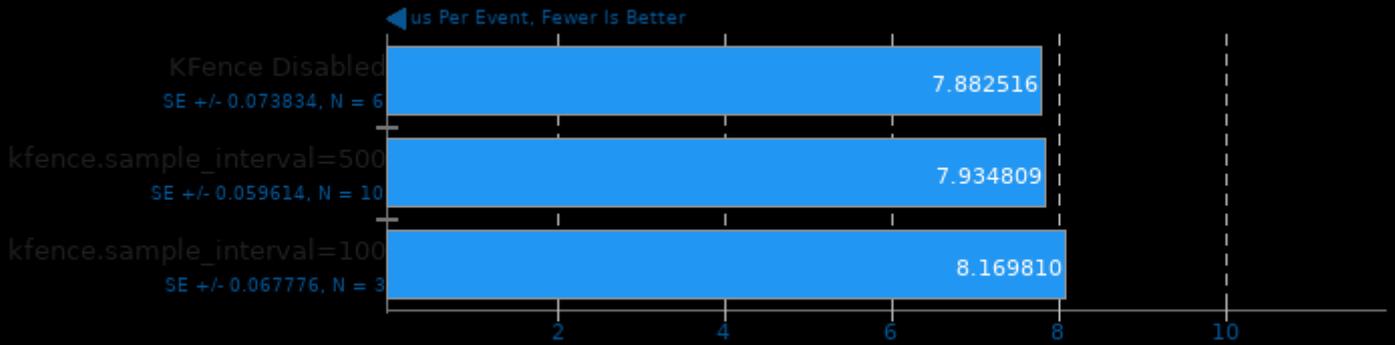
Test: Create Files



1. (CC) gcc options: -lm

OSBench

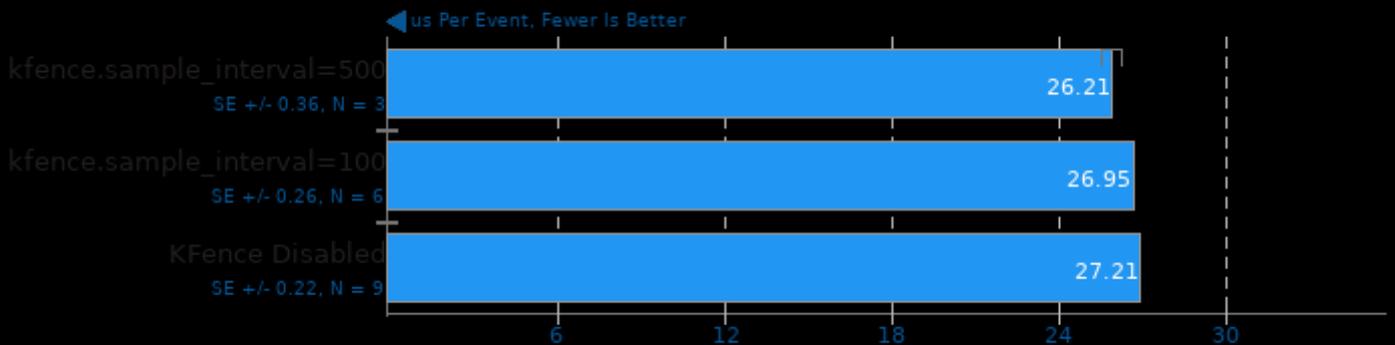
Test: Create Threads



1. (CC) gcc options: -lm

OSBench

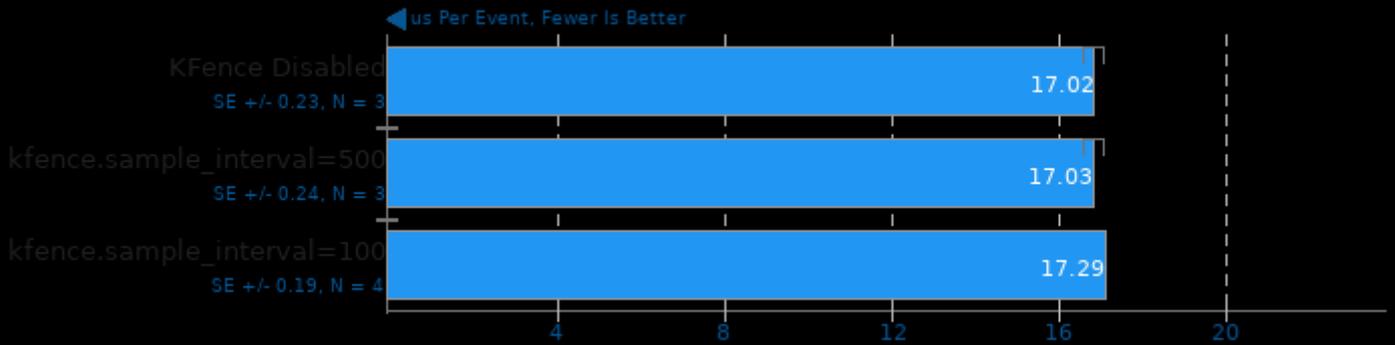
Test: Launch Programs



1. (CC) gcc options: -lm

OSBench

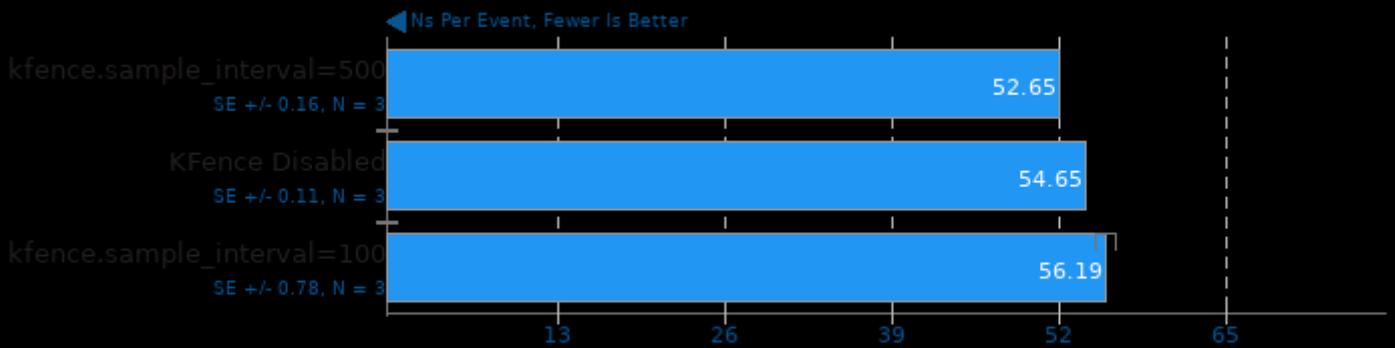
Test: Create Processes



1. (CC) gcc options: -lm

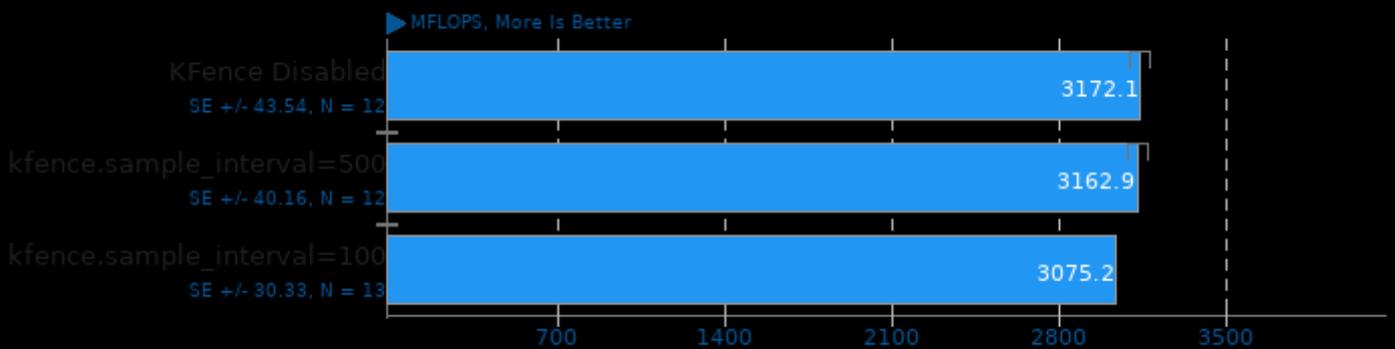
OSBench

Test: Memory Allocations



1. (CC) gcc options: -lm

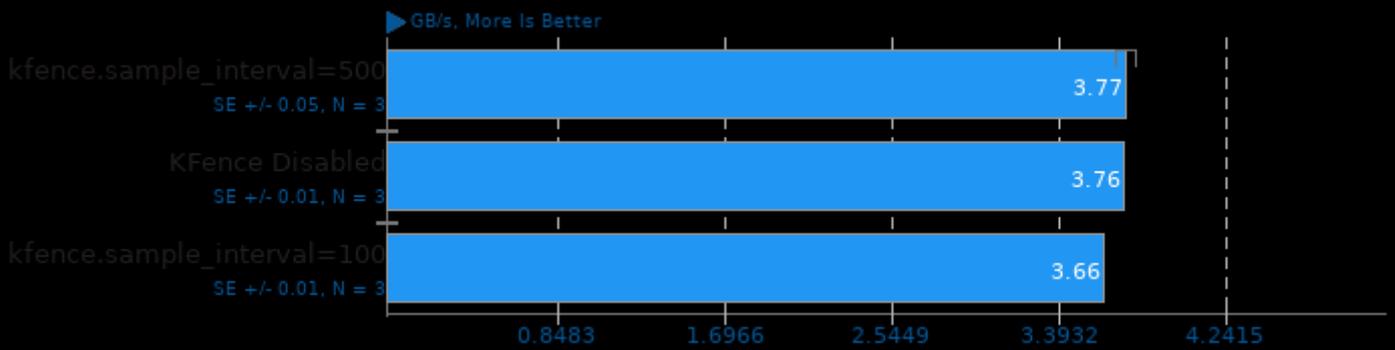
QuantLib 1.21



1. (CXX) g++ options: -O3 -march=native -rdynamic

simdjson 0.8.2

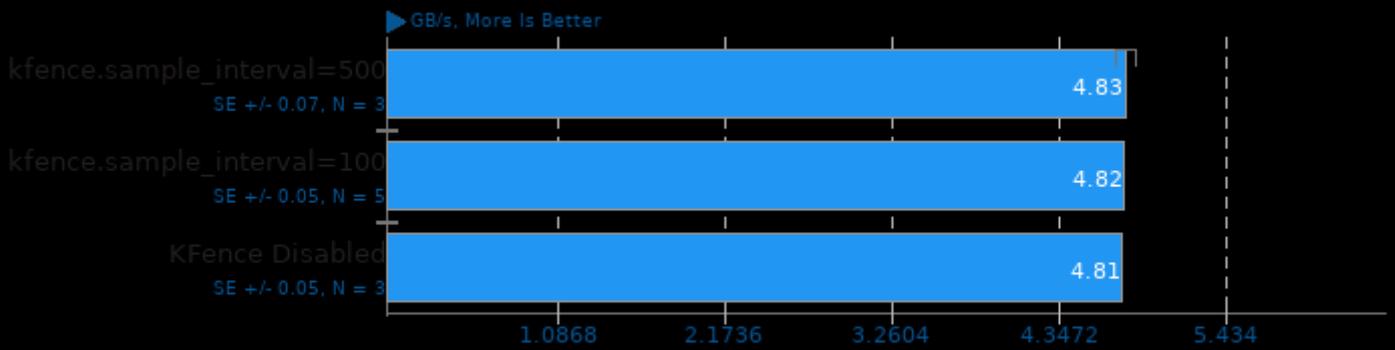
Throughput Test: Kostya



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

simdjson 0.8.2

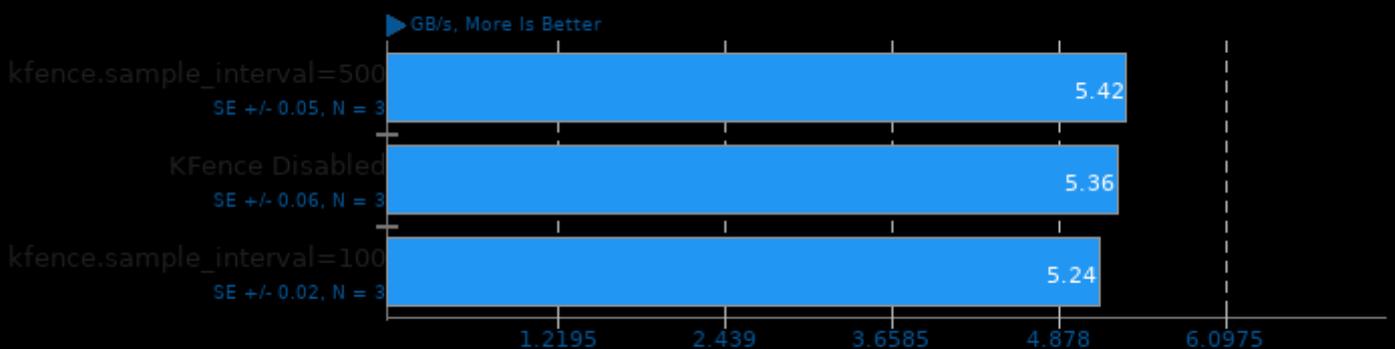
Throughput Test: PartialTweets



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

simdjson 0.8.2

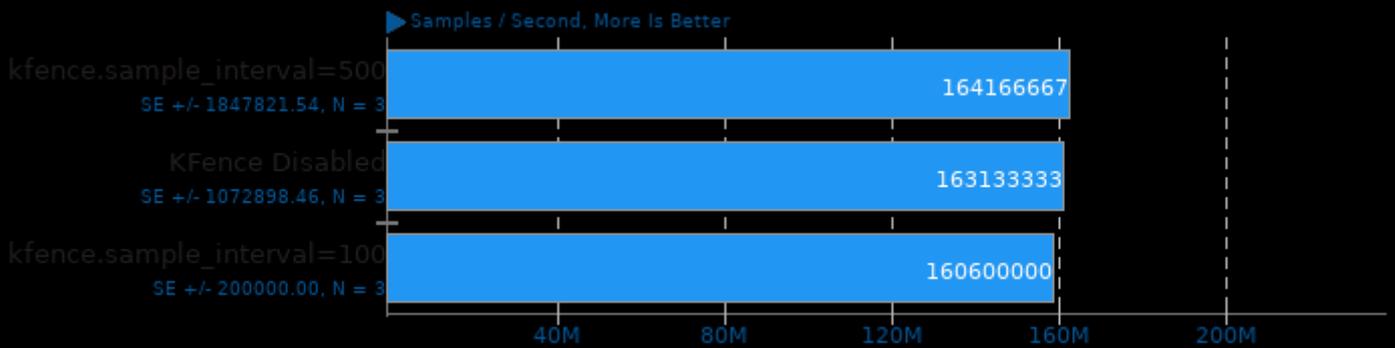
Throughput Test: DistinctUserID



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

srsLTE 20.10.1

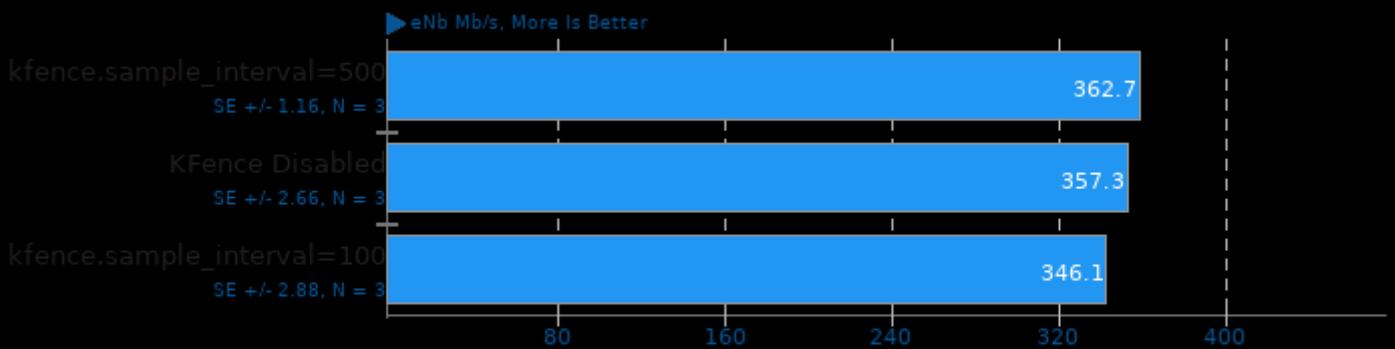
Test: OFDM_Test



1. (CXX) g++ options: -std=c++11 -fno-strict-aliasing -march=native -mfpmath=sse -mavx2 -fvisibility=hidden -O3 -fno-trapping-math -fno-math-errno

srsLTE 20.10.1

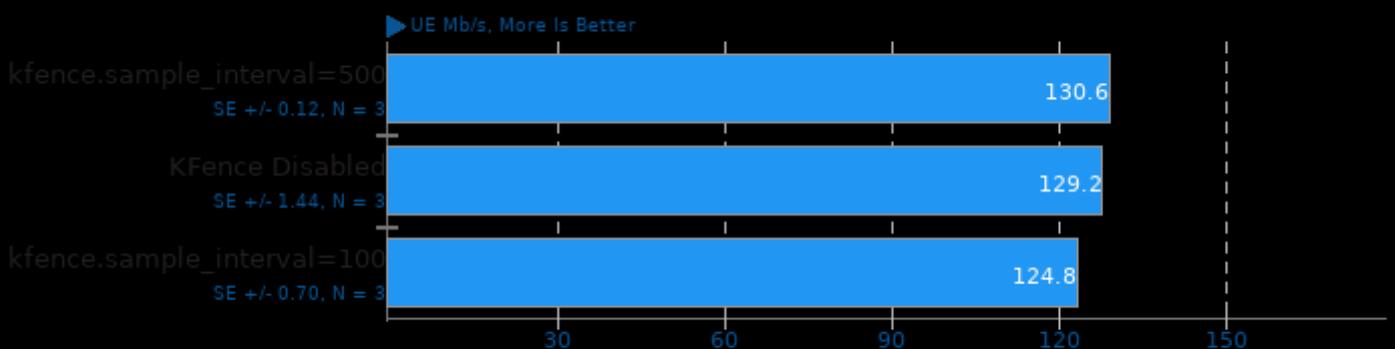
Test: PHY_DL_Test



1. (CXX) g++ options: -std=c++11 -fno-strict-aliasing -march=native -mfpmath=sse -mavx2 -fvisibility=hidden -O3 -fno-trapping-math -fno-math-errno

srsLTE 20.10.1

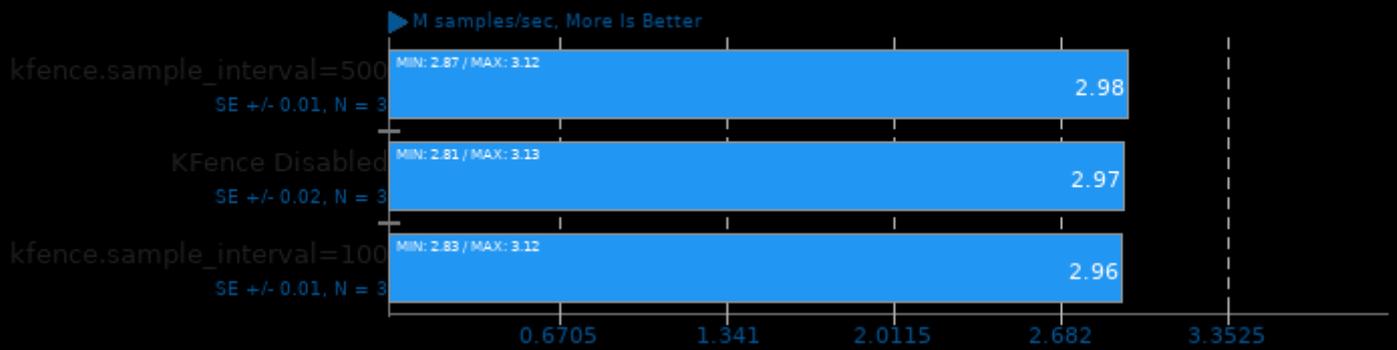
Test: PHY_DL_Test



1. (CXX) g++ options: -std=c++11 -fno-strict-aliasing -march=native -mfpmath=sse -mavx2 -fvisibility=hidden -O3 -fno-trapping-math -fno-math-errno

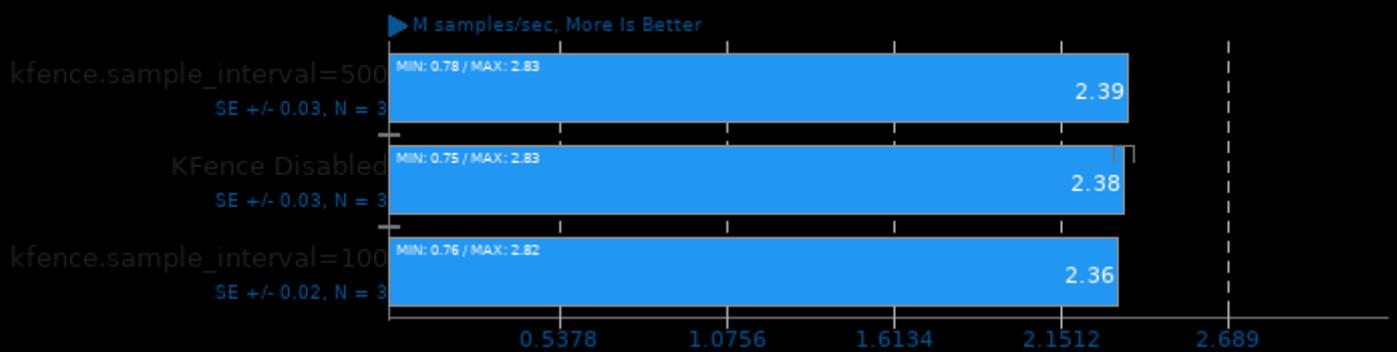
LuxCoreRender 2.5

Scene: DLSC - Acceleration: CPU



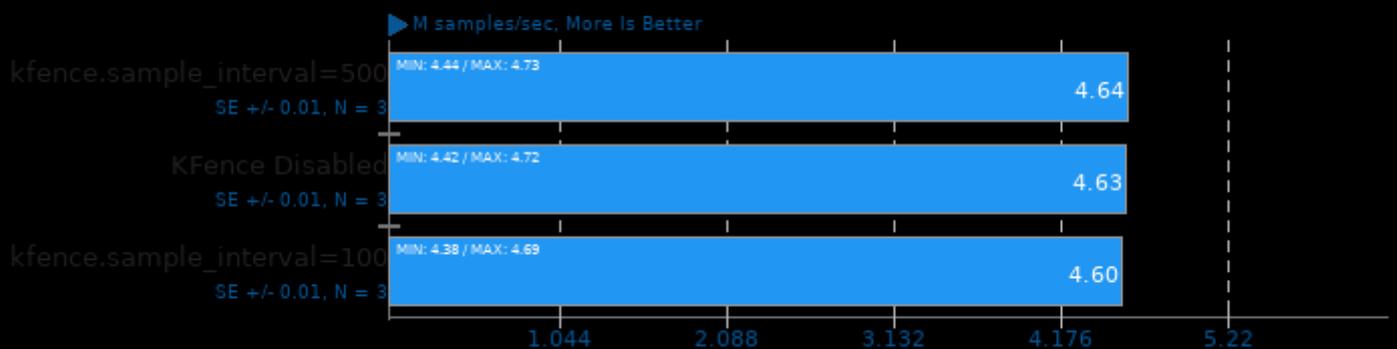
LuxCoreRender 2.5

Scene: Danish Mood - Acceleration: CPU



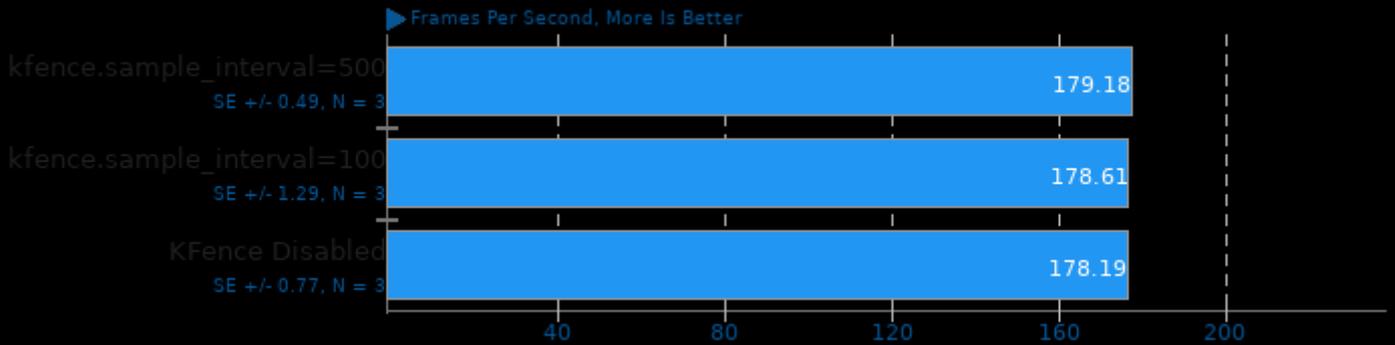
LuxCoreRender 2.5

Scene: Orange Juice - Acceleration: CPU



SVT-HEVC 1.5.0

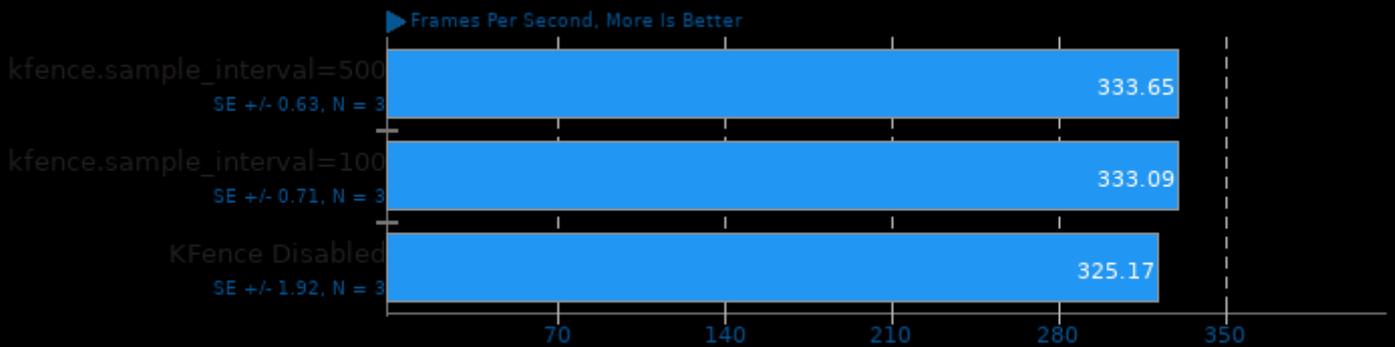
Tuning: 7 - Input: Bosphorus 1080p



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

SVT-HEVC 1.5.0

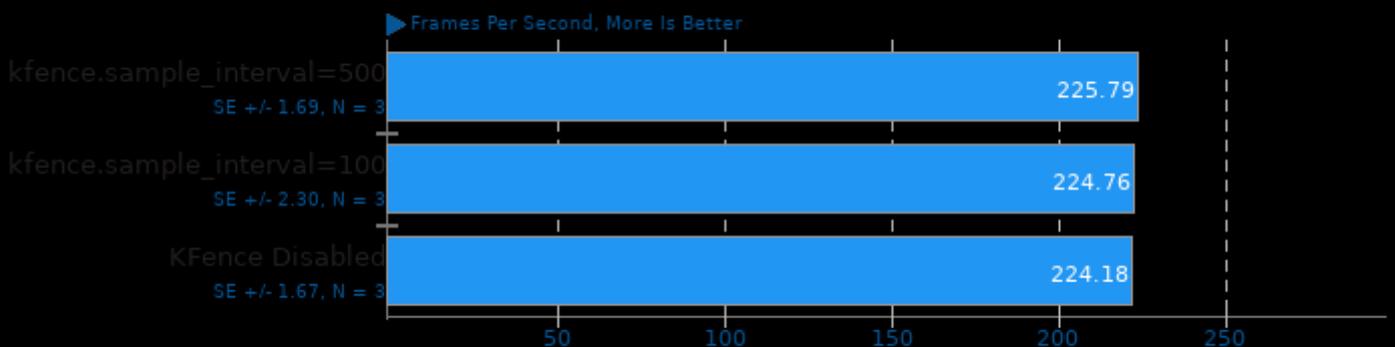
Tuning: 10 - Input: Bosphorus 1080p



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

SVT-VP9 0.3

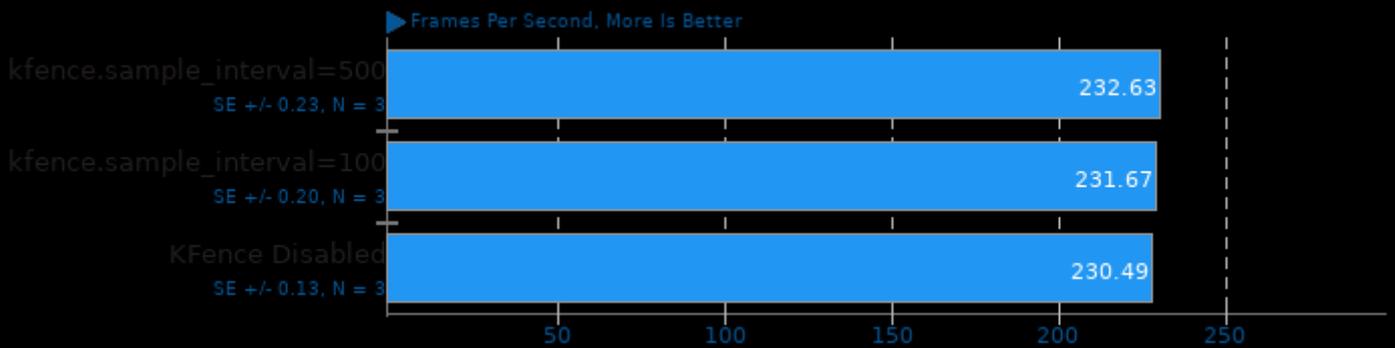
Tuning: VMAF Optimized - Input: Bosphorus 1080p



1. (CC) gcc options: -O3 -fcommon -fPIE -fPIC -fvisibility=hidden -pie -rdynamic -lthread -lrt -lm

SVT-VP9 0.3

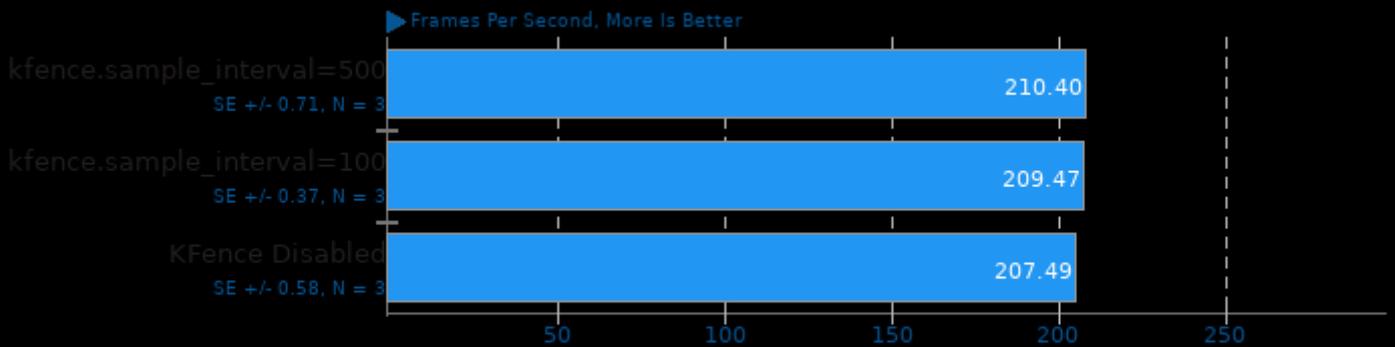
Tuning: PSNR/SSIM Optimized - Input: Bosphorus 1080p



1. (CC) gcc options: -O3 -fcommon -fPIE -fPIC -fvisibility=hidden -pie -rdynamic -lthread -lrt -lm

SVT-VP9 0.3

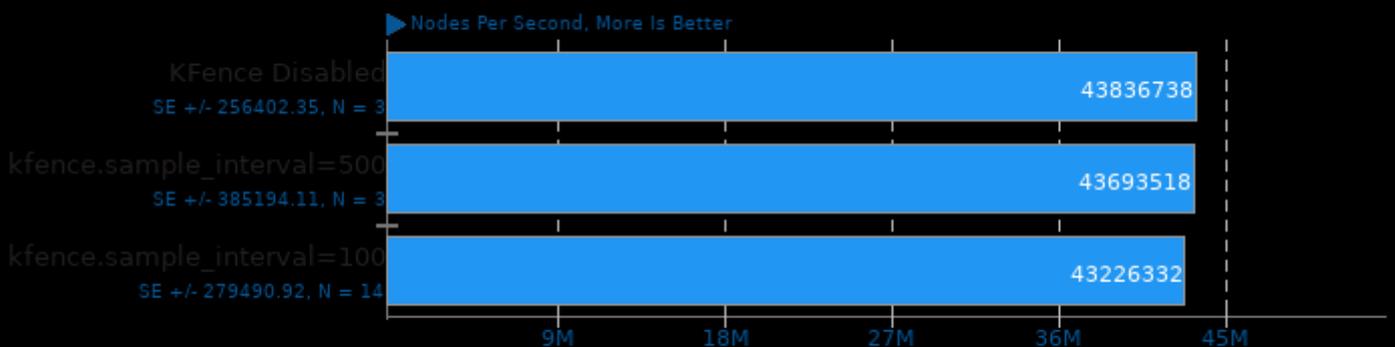
Tuning: Visual Quality Optimized - Input: Bosphorus 1080p



1. (CC) gcc options: -O3 -fcommon -fPIE -fPIC -fvisibility=hidden -pie -rdynamic -lthread -lrt -lm

Stockfish 13

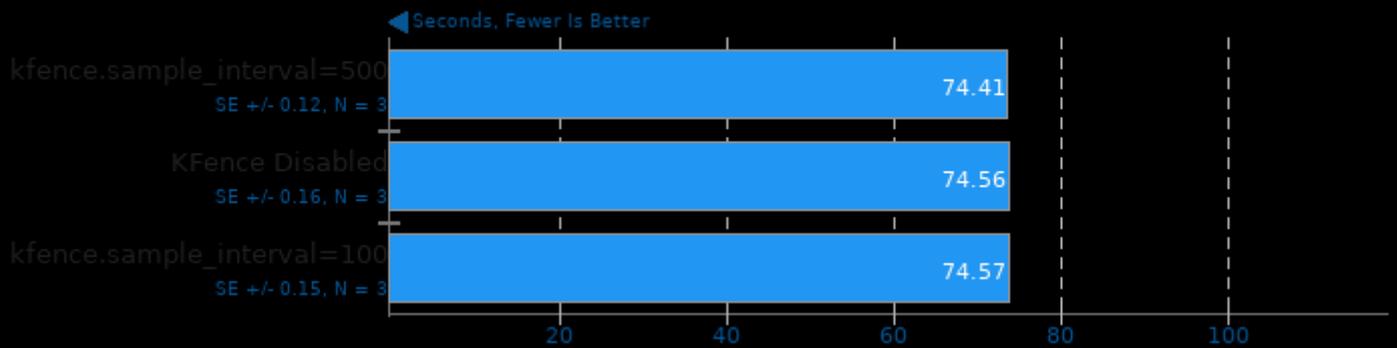
Total Time



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

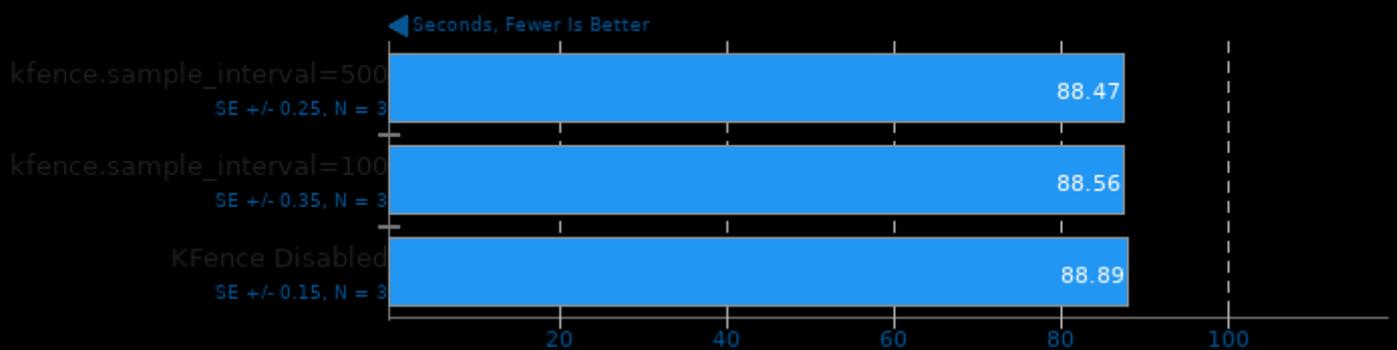
Timed GDB GNU Debugger Compilation 9.1

Time To Compile



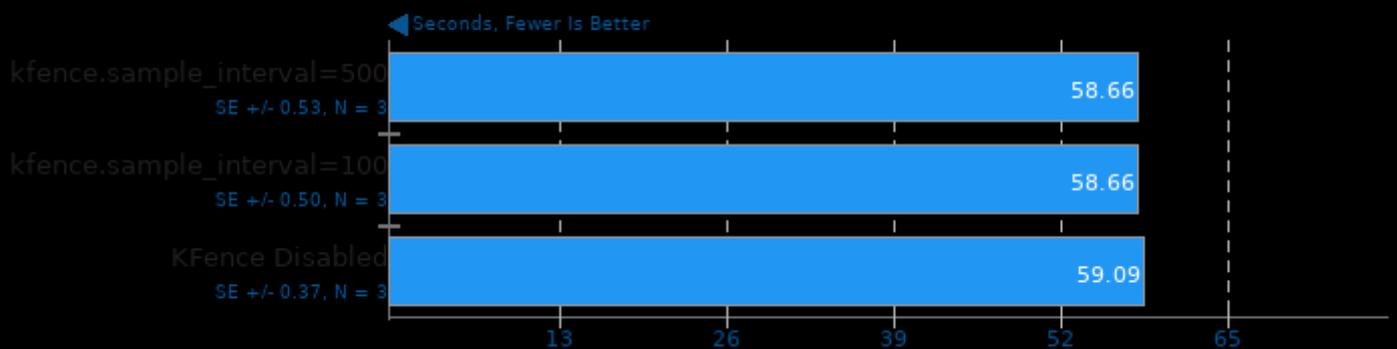
Timed Godot Game Engine Compilation 3.2.3

Time To Compile



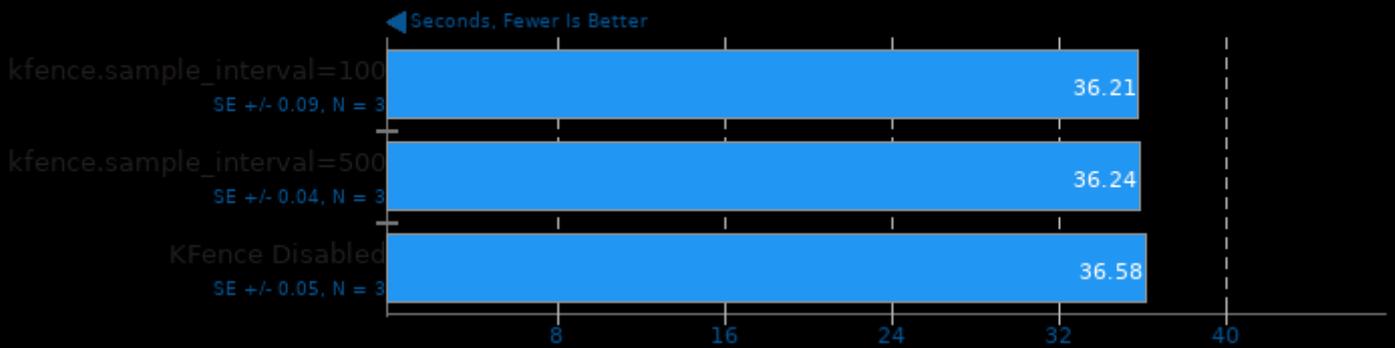
Timed Linux Kernel Compilation 5.10.20

Time To Compile



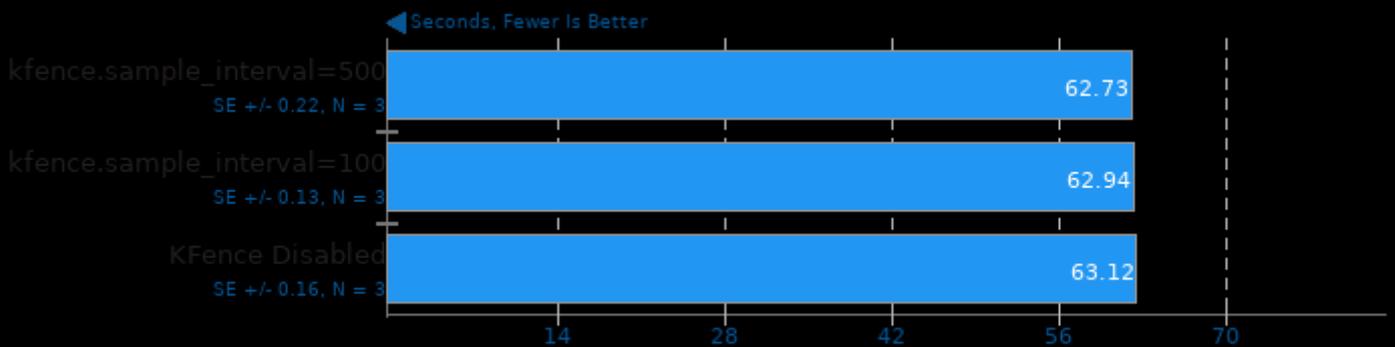
Timed Mesa Compilation 21.0

Time To Compile



Timed Wasmer Compilation 1.0.2

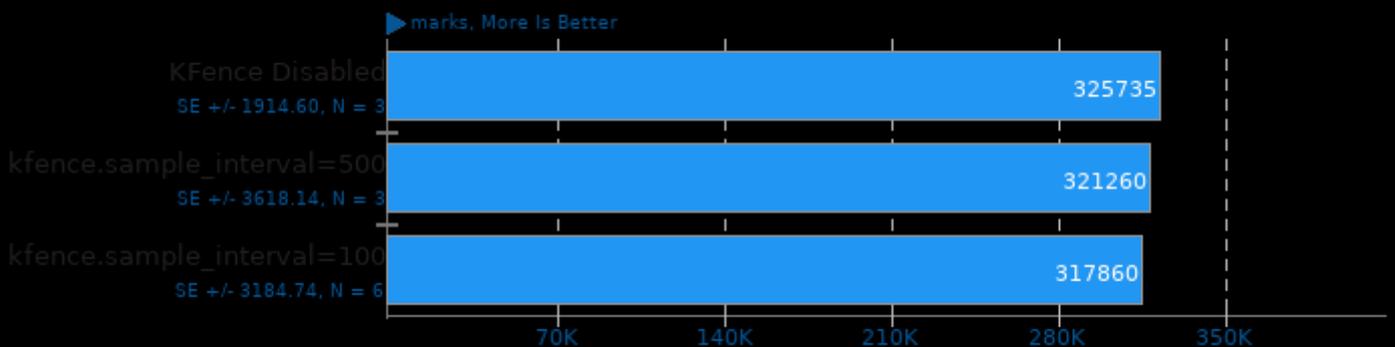
Time To Compile



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

SecureMark 1.0.4

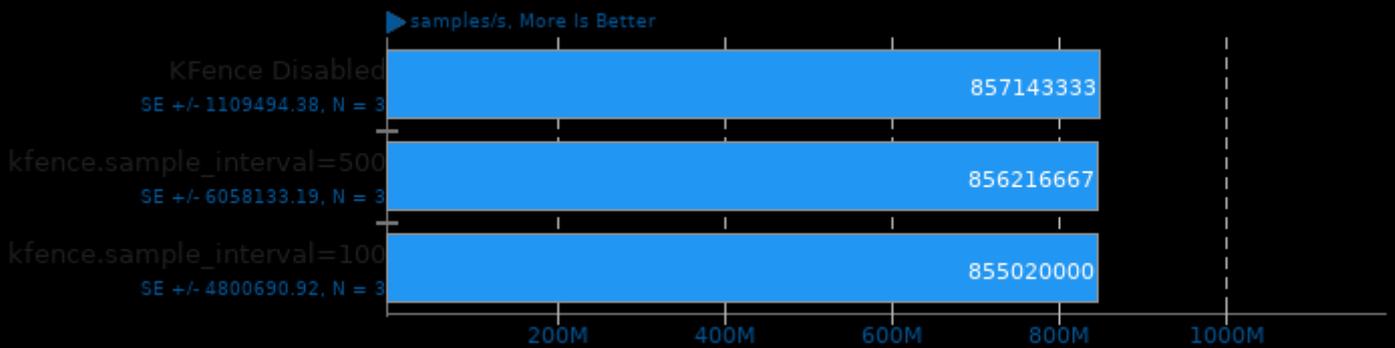
Benchmark: SecureMark-TLS



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

Liquid-DSP 2021.01.31

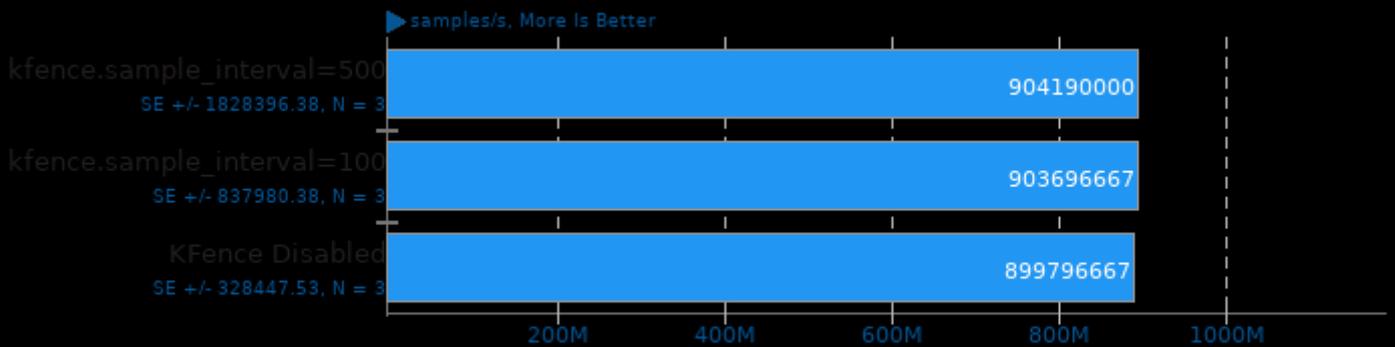
Threads: 16 - Buffer Length: 256 - Filter Length: 57



1. (CC) gcc options: -O3 -pthread -lm -lc -lliquid

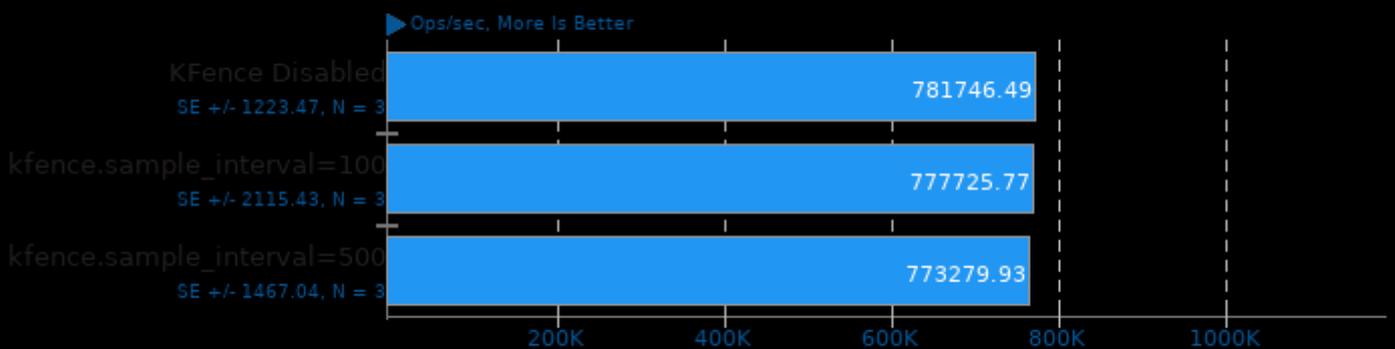
Liquid-DSP 2021.01.31

Threads: 24 - Buffer Length: 256 - Filter Length: 57



1. (CC) gcc options: -O3 -pthread -lm -lc -lliquid

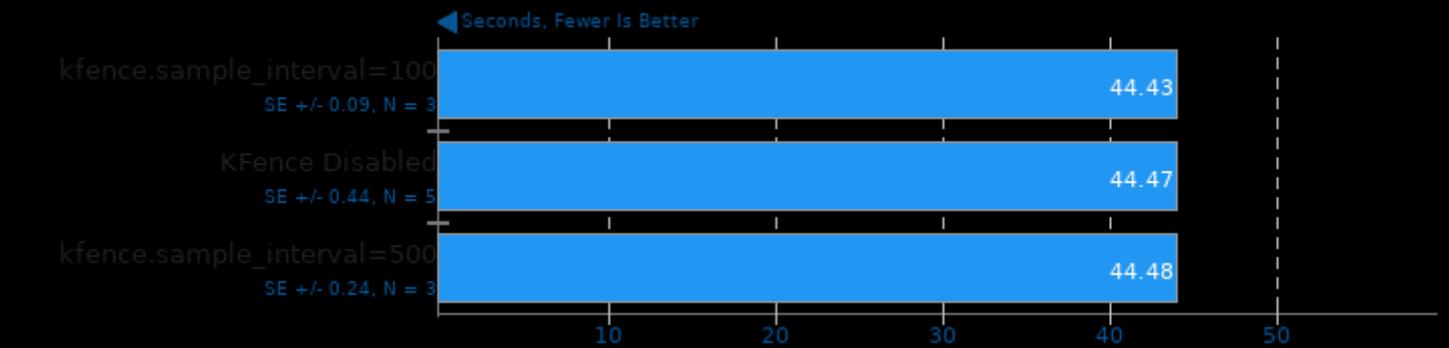
KeyDB 6.0.16



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

SQLite Speedtest 3.30

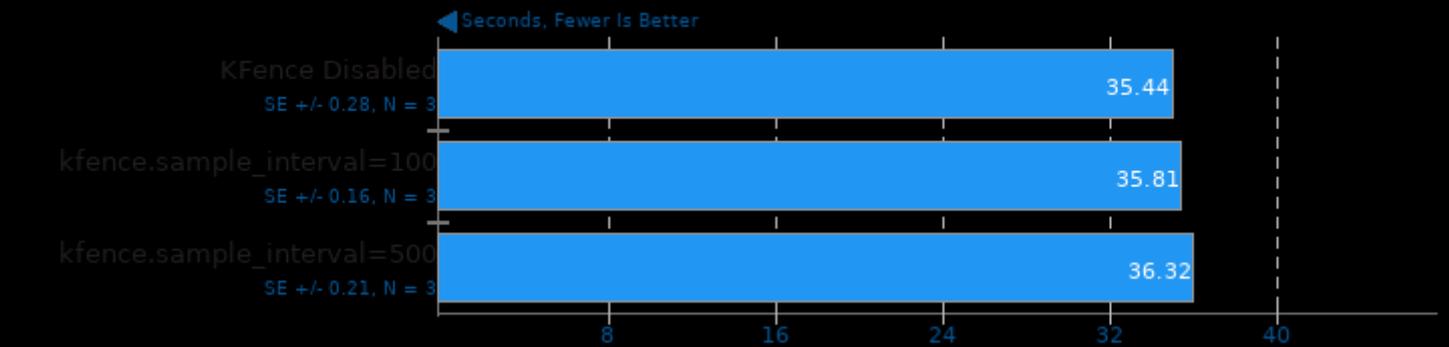
Timed Time - Size 1,000



1. (CC) gcc options: -O2 -ldl -lz -lpthread

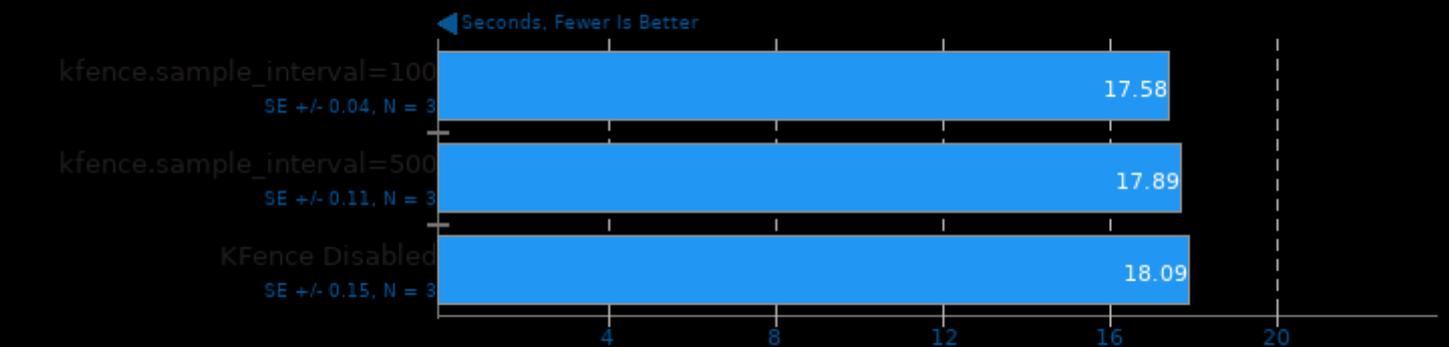
Hugin

Panorama Photo Assistant + Stitching Time



Inkscape

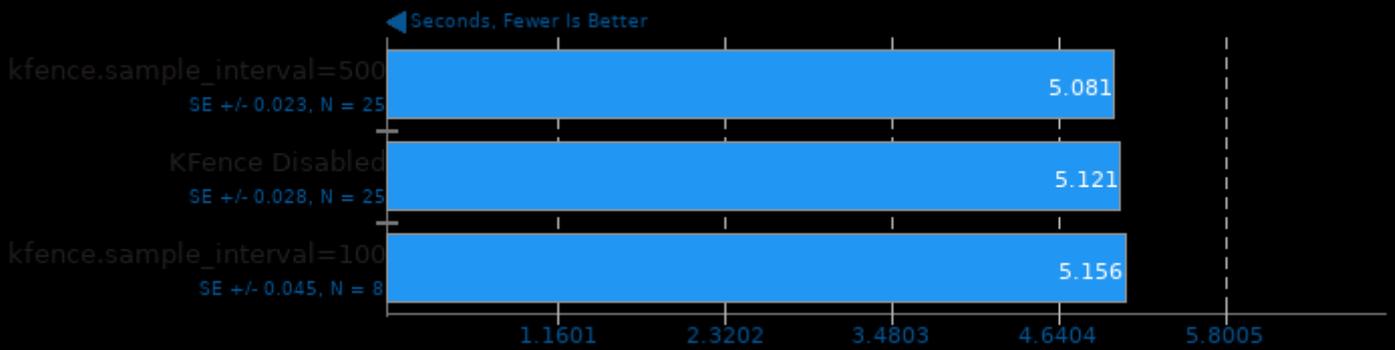
Operation: SVG Files To PNG



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

LibreOffice

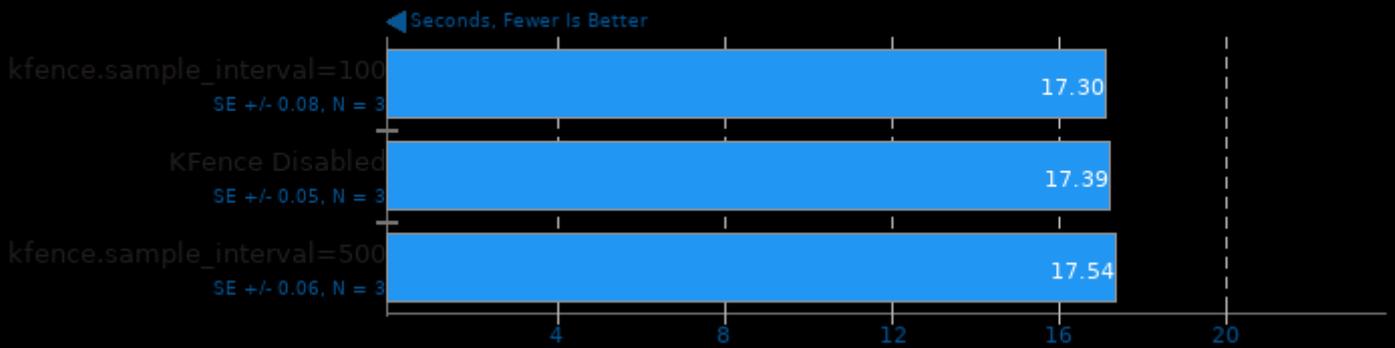
Test: 20 Documents To PDF



1. LibreOffice 6.4.7.2 40(Build:2)

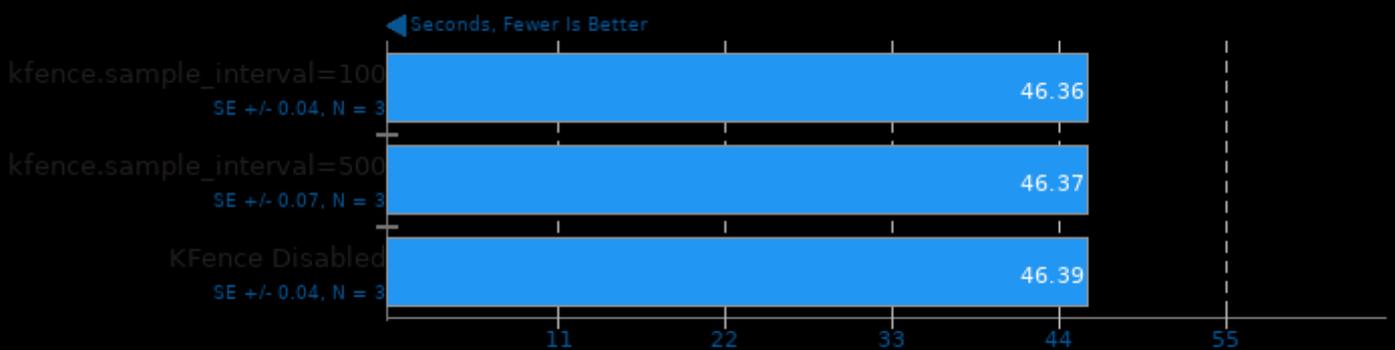
OCRMyPDF 9.6.0+dfsg

Processing 60 Page PDF Document



RawTherapee

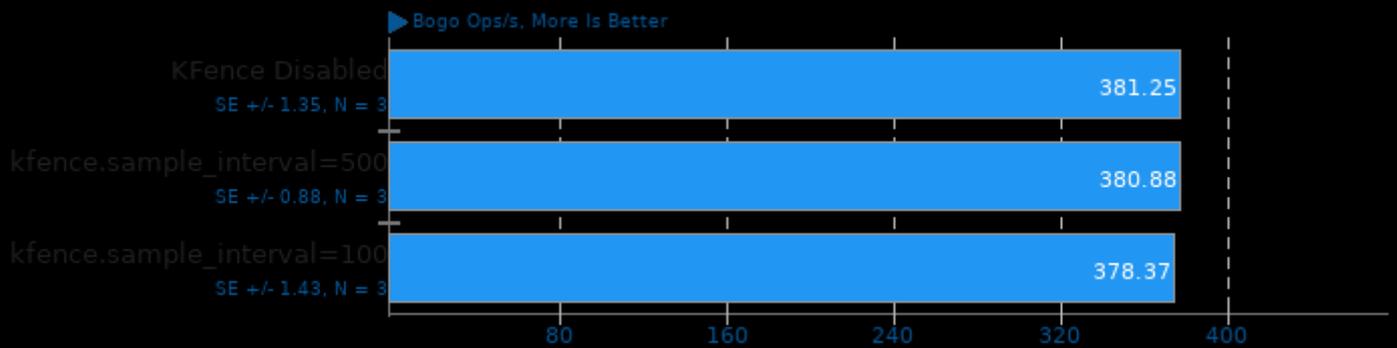
Total Benchmark Time



1. RawTherapee, version 5.8, command line.

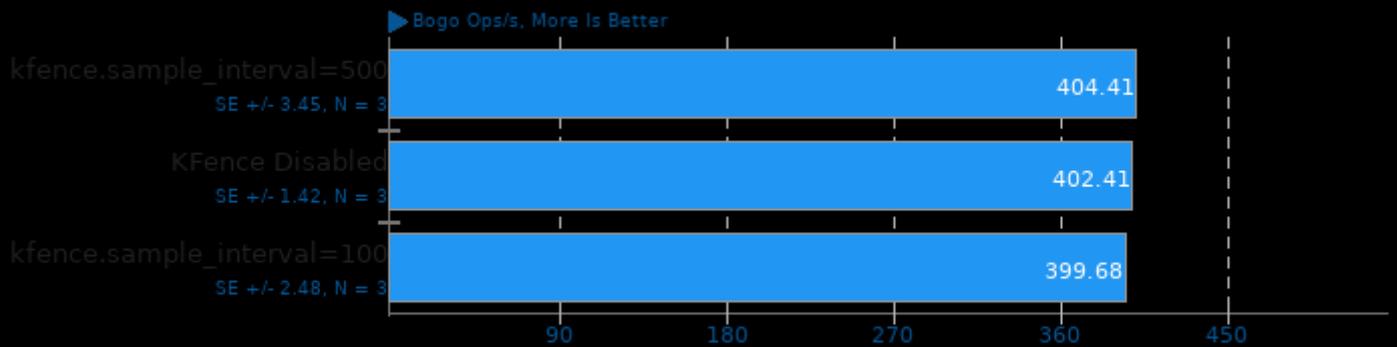
Stress-NG 0.11.07

Test: MMAP



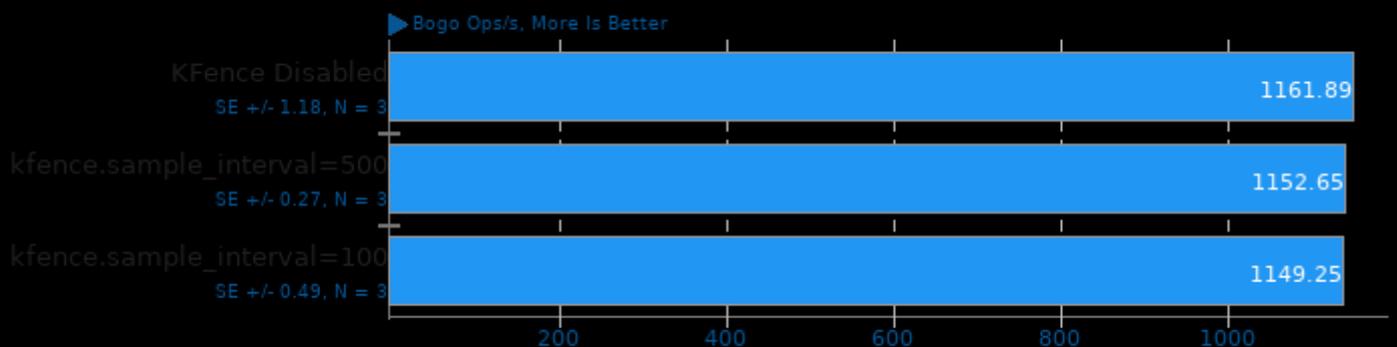
Stress-NG 0.11.07

Test: NUMA



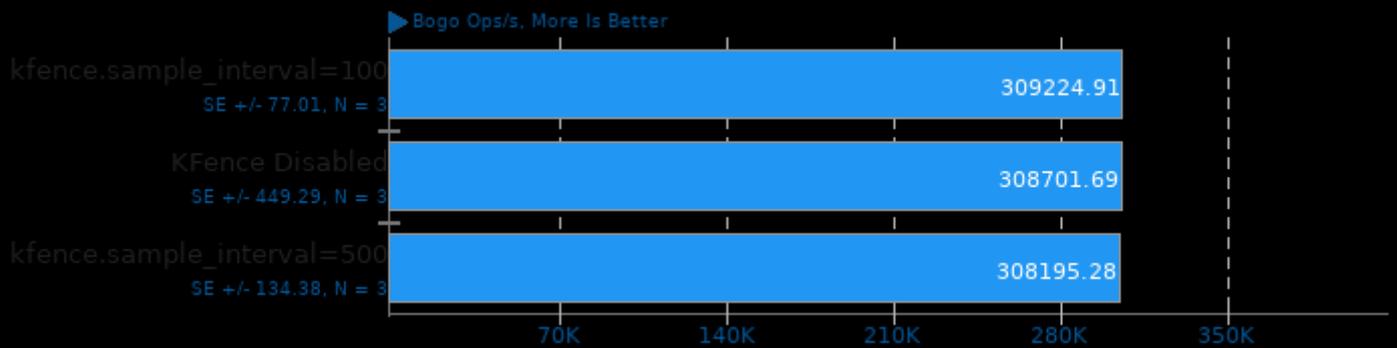
Stress-NG 0.11.07

Test: MEMFD



Stress-NG 0.11.07

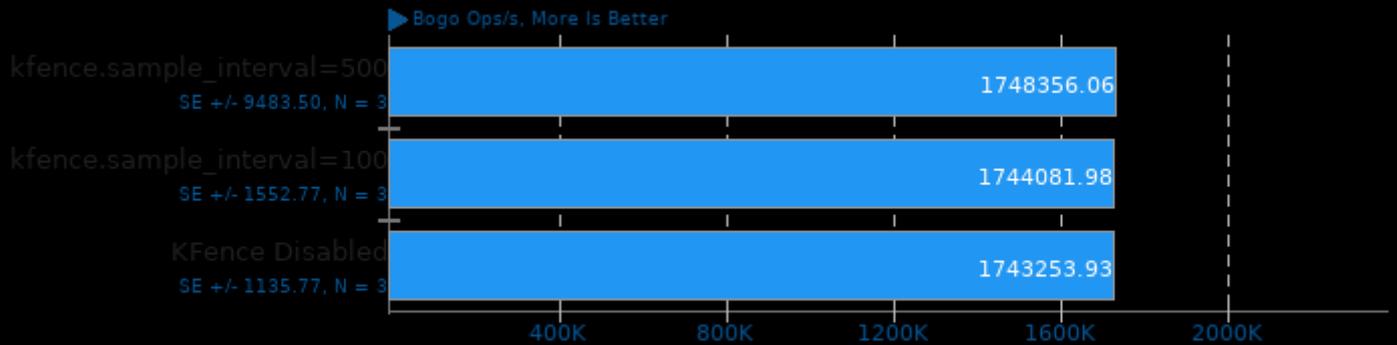
Test: SENDFILE



1. (CC) gcc options: -O2 -std=gnu99 -lm -laio -lcrypt -lrt -lsctp -lz -ldl -lpthread -lc

Stress-NG 0.11.07

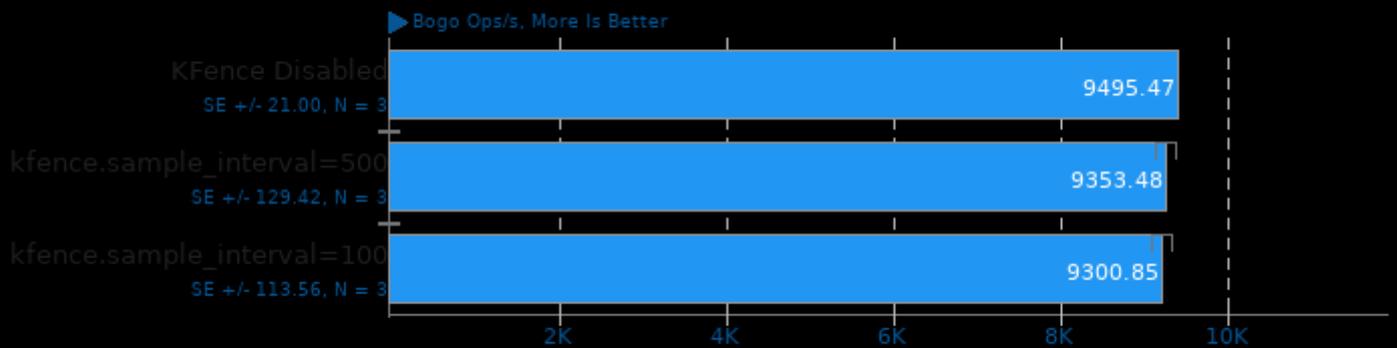
Test: Semaphores



1. (CC) gcc options: -O2 -std=gnu99 -lm -laio -lcrypt -lrt -lsctp -lz -ldl -lpthread -lc

Stress-NG 0.11.07

Test: Socket Activity

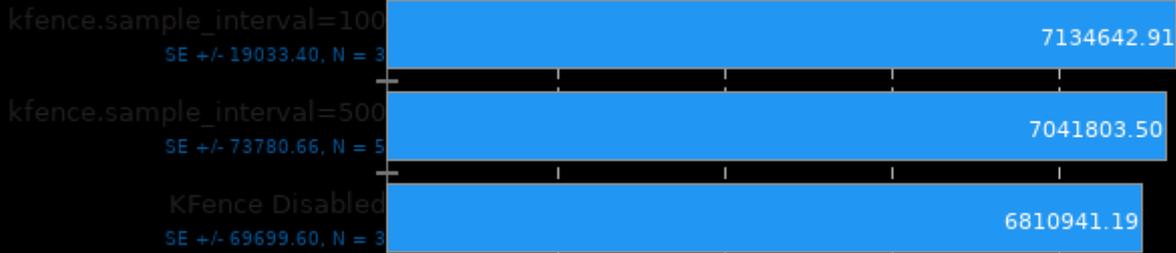


1. (CC) gcc options: -O2 -std=gnu99 -lm -laio -lcrypt -lrt -lsctp -lz -ldl -lpthread -lc

Stress-NG 0.11.07

Test: Context Switching

► Bogo Ops/s, More Is Better

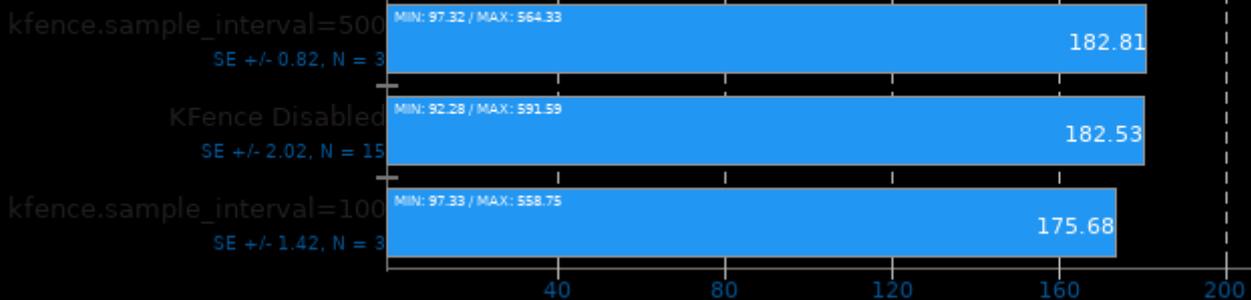


1. (CC) gcc options: -O2 -std=gnu99 -lm -laio -lcrypt -lrt -lsctp -lz -ldl -lpthread -lc

Basemark GPU 1.2

Renderer: OpenGL - Resolution: 1920 x 1080 - Graphics Preset: High

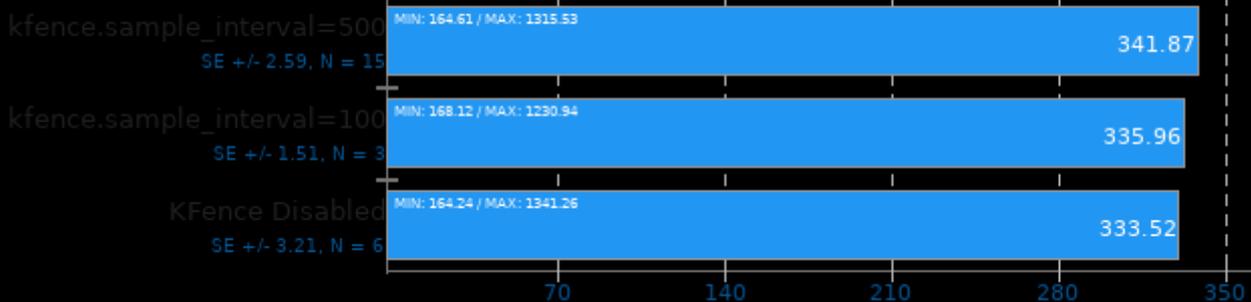
► FPS, More Is Better



Basemark GPU 1.2

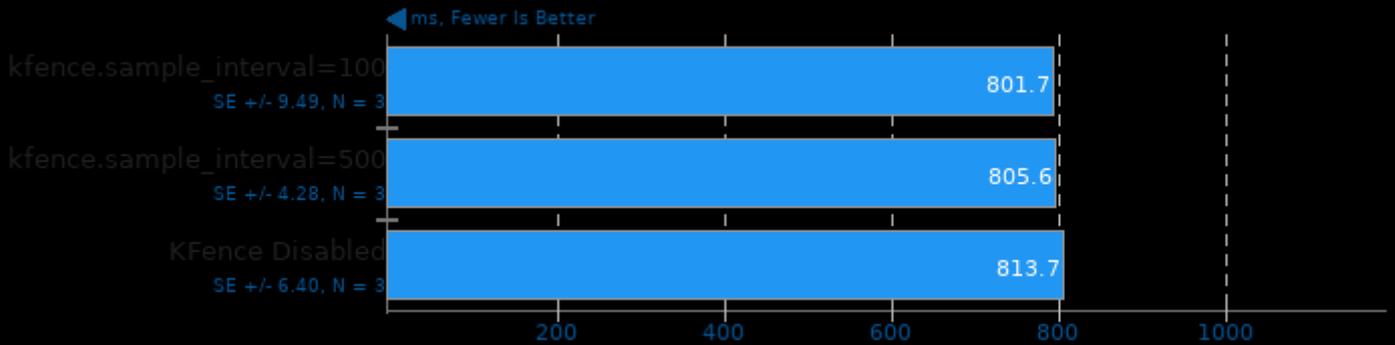
Renderer: OpenGL - Resolution: 1920 x 1080 - Graphics Preset: Medium

► FPS, More Is Better



Selenium

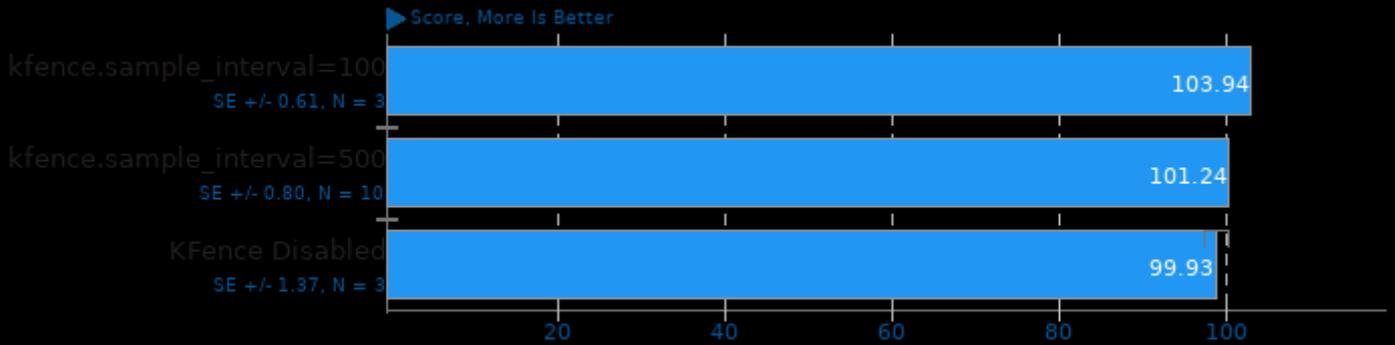
Benchmark: Kraken - Browser: Firefox



1. firefox 87.0

Selenium

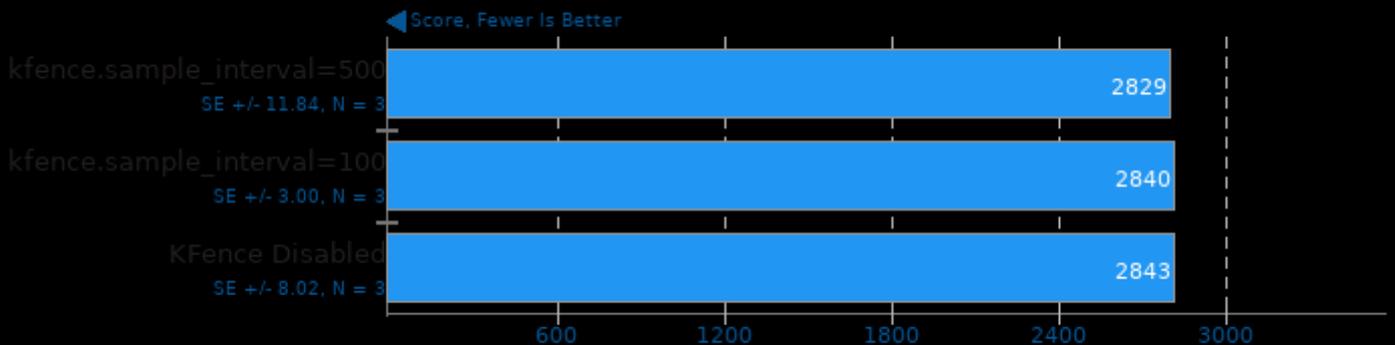
Benchmark: Jetstream 2 - Browser: Firefox



1. firefox 87.0

Selenium

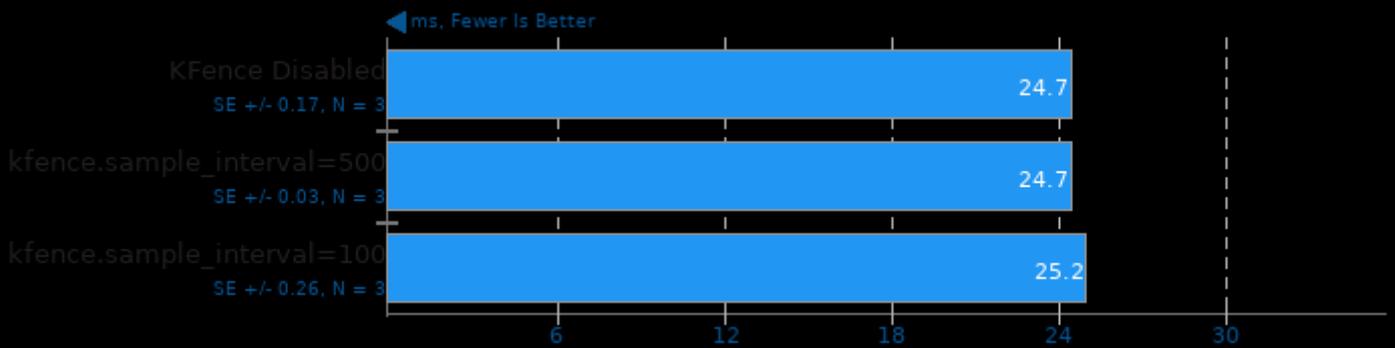
Benchmark: PSPDFKit WASM - Browser: Firefox



1. firefox 87.0

Selenium

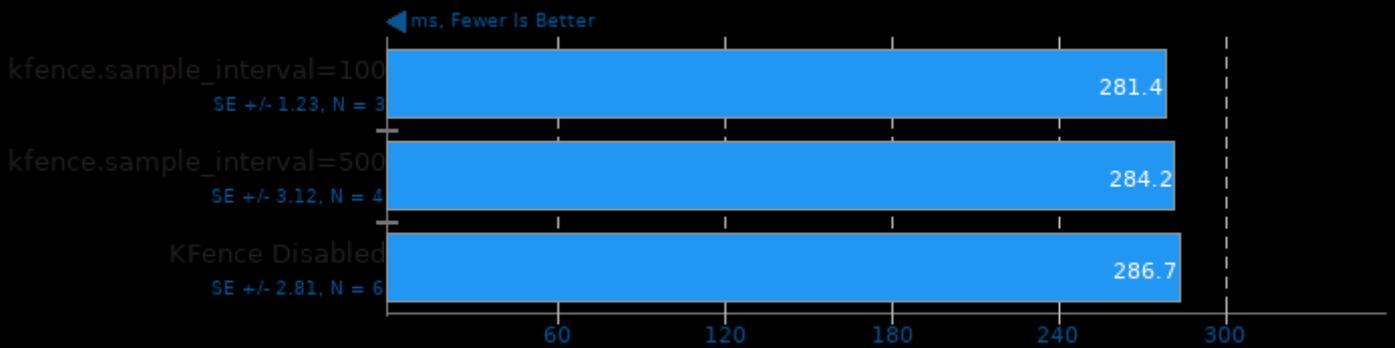
Benchmark: WASM imageConvolute - Browser: Firefox



1. firefox 87.0

Selenium

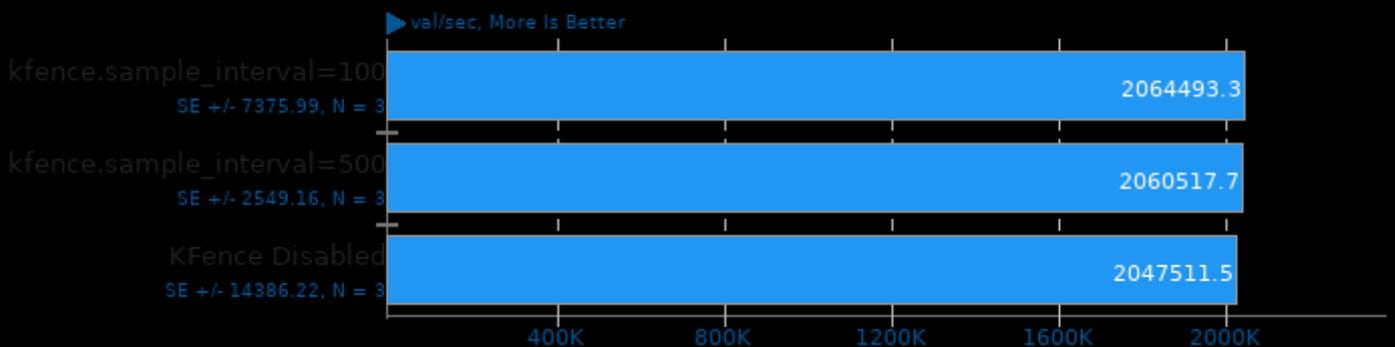
Benchmark: WASM collisionDetection - Browser: Firefox

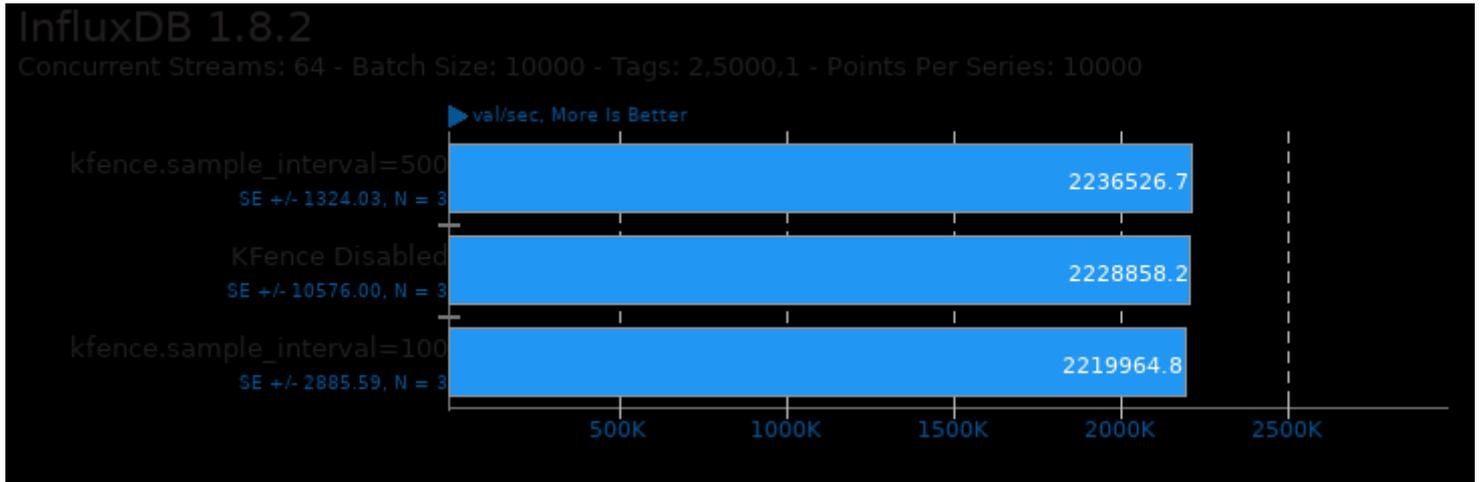


1. firefox 87.0

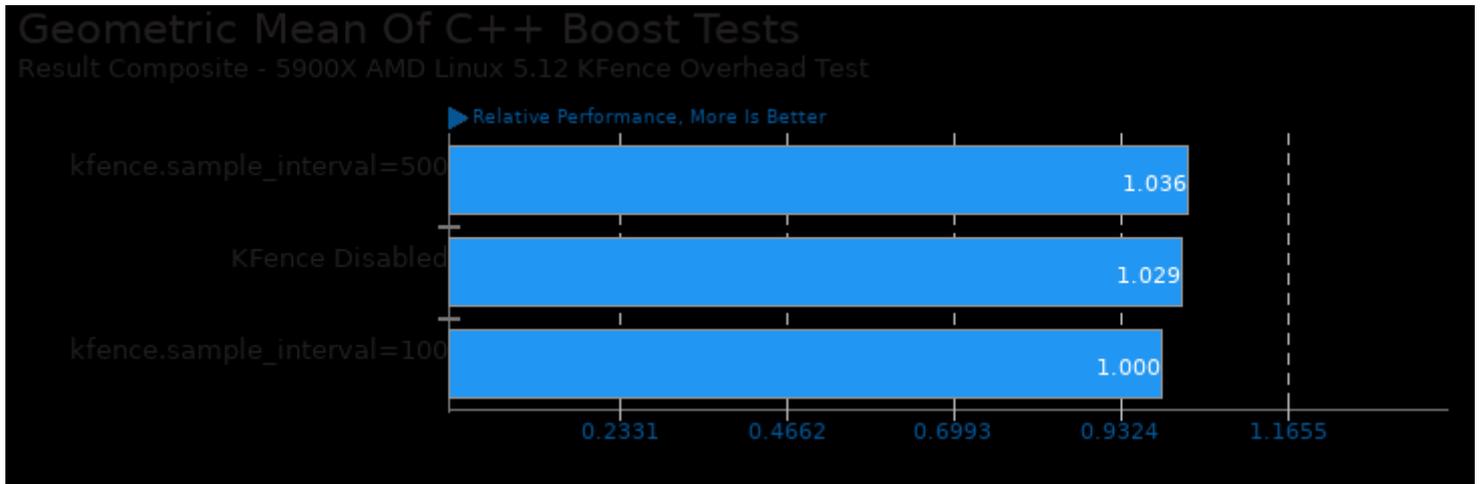
InfluxDB 1.8.2

Concurrent Streams: 4 - Batch Size: 10000 - Tags: 2,5000,1 - Points Per Series: 10000

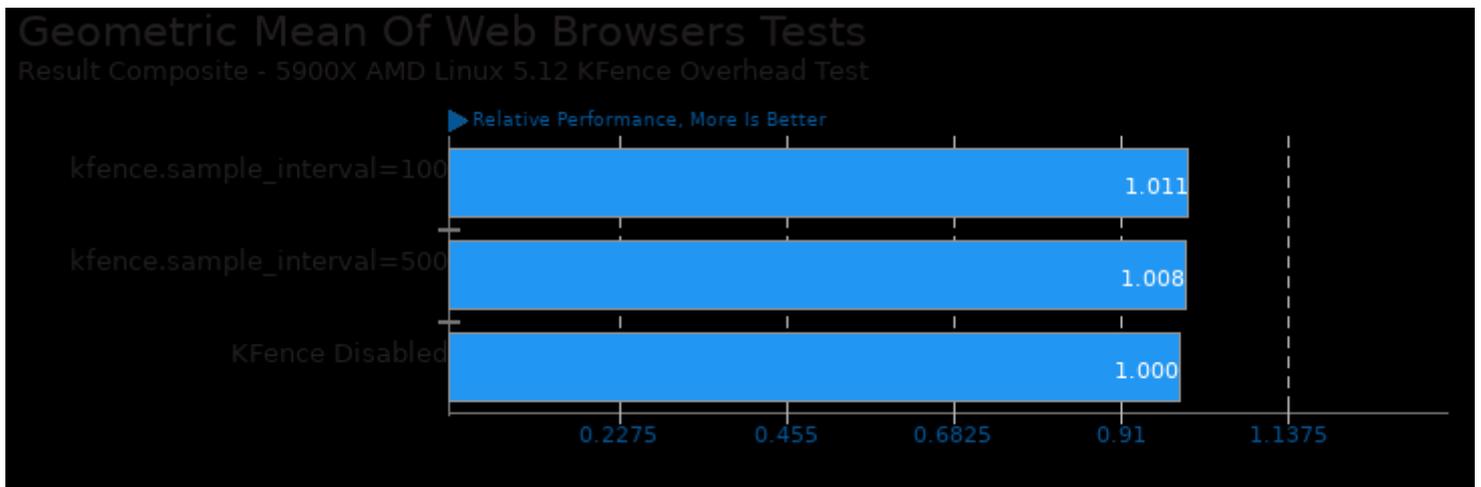




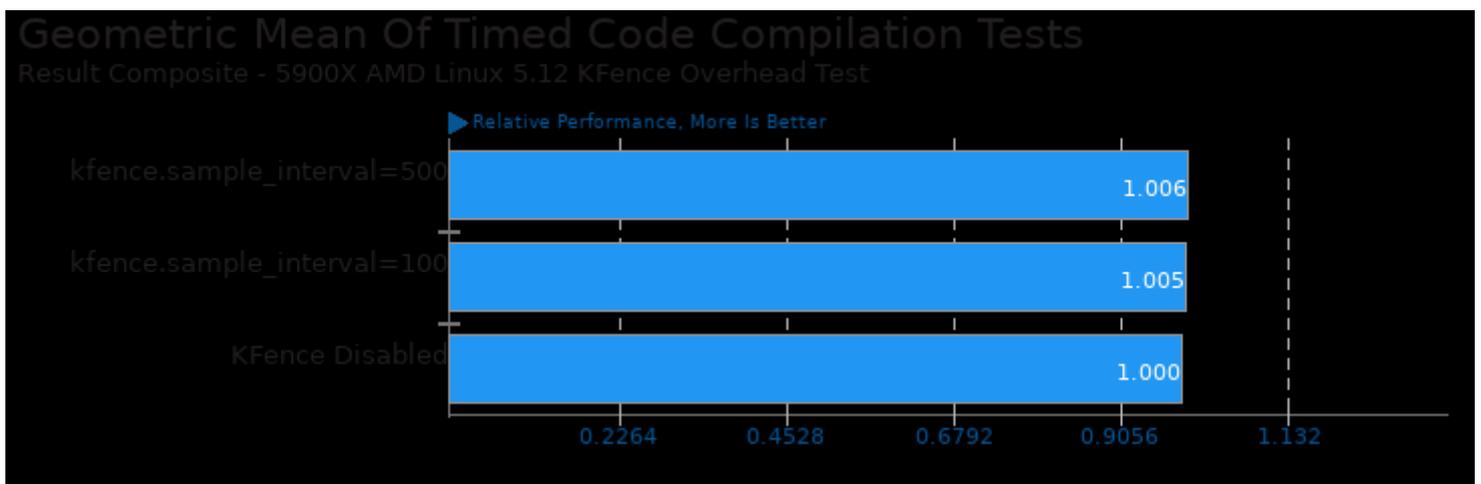
These geometric means are based upon test groupings / test suites for this result file.



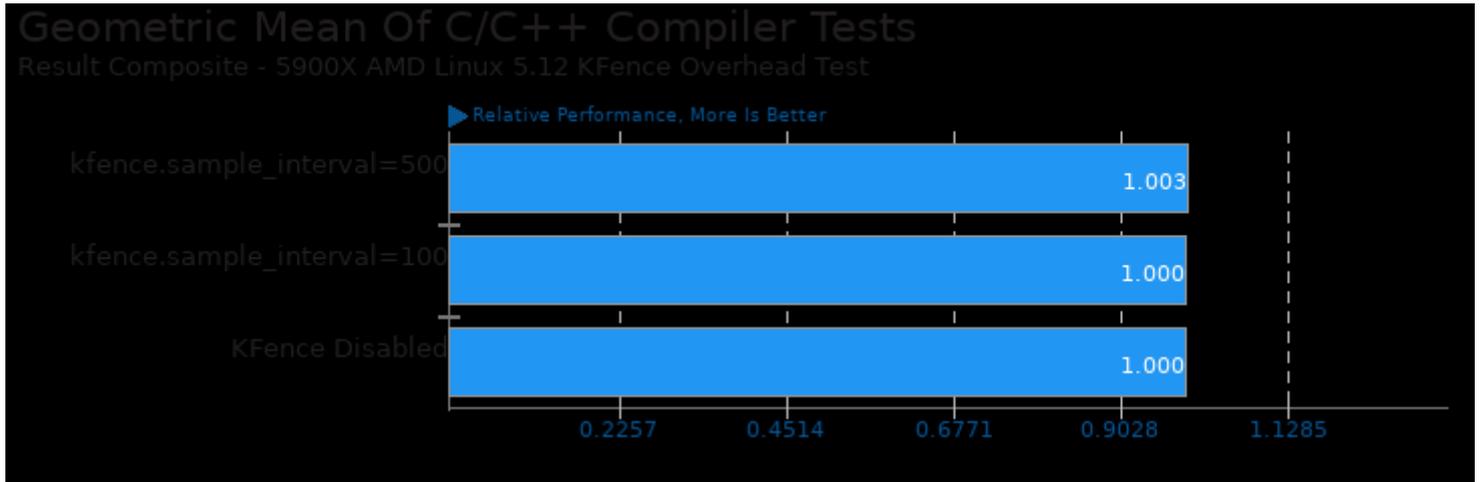
Geometric mean based upon tests: pts/quantlib and pts/srslte



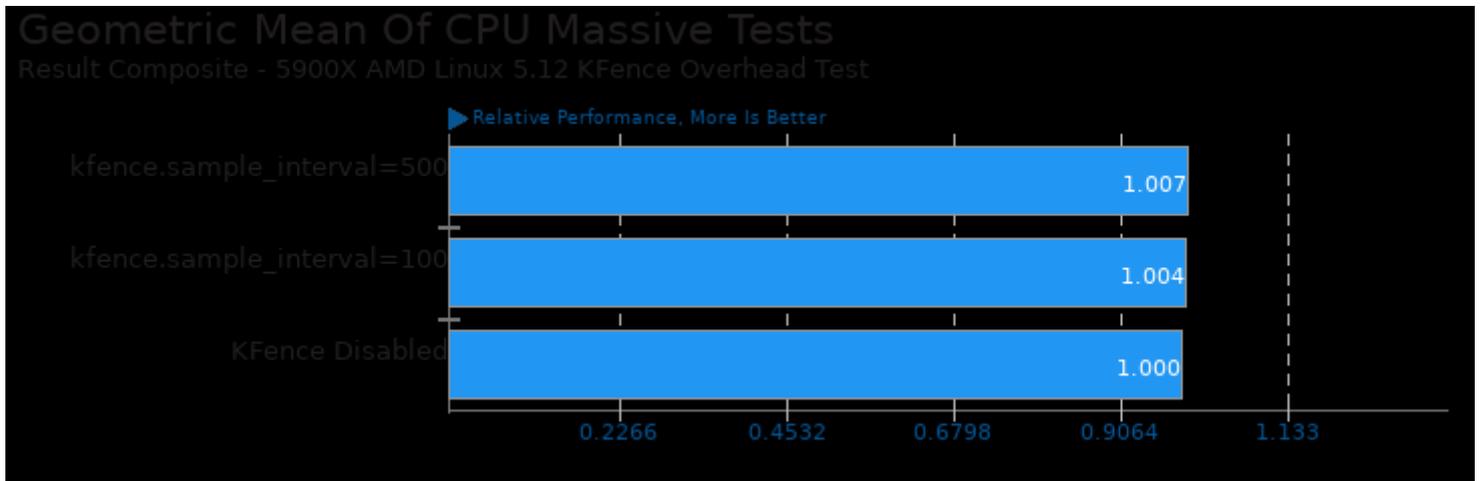
Geometric mean based upon tests: system/selenium



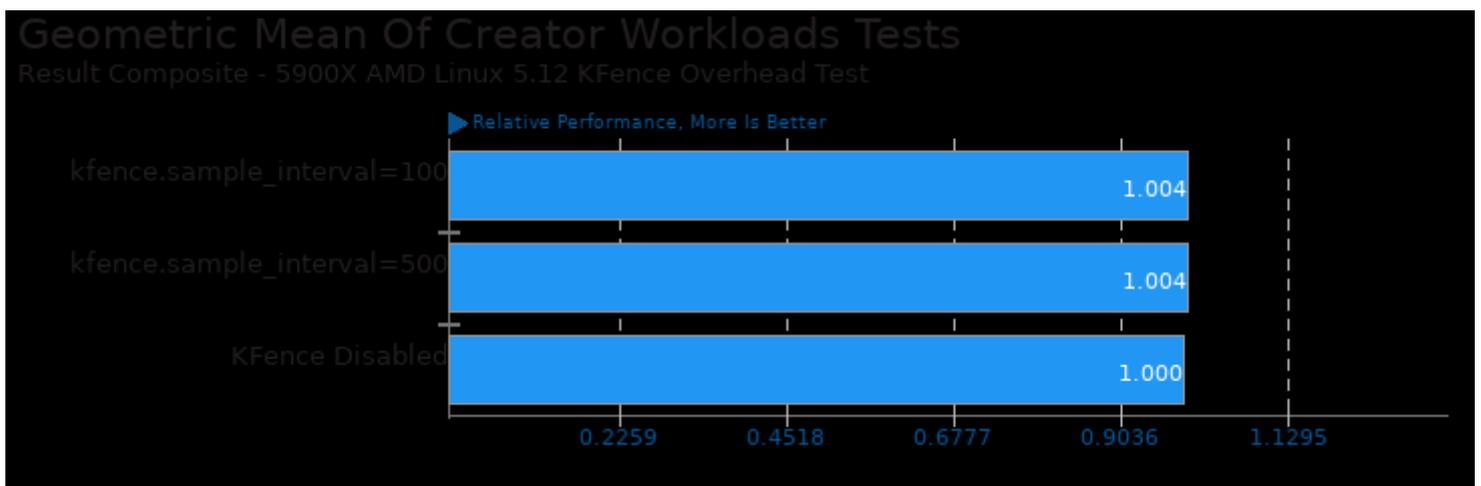
Geometric mean based upon tests: pts/build-linux-kernel, pts/build-gdb, pts/build-godot, pts/build-wasmer and pts/build-mesa



Geometric mean based upon tests: pts/stockfish, pts/sqlite-speedtest, pts/svt-vp9, pts/build-gdb and pts/keydb



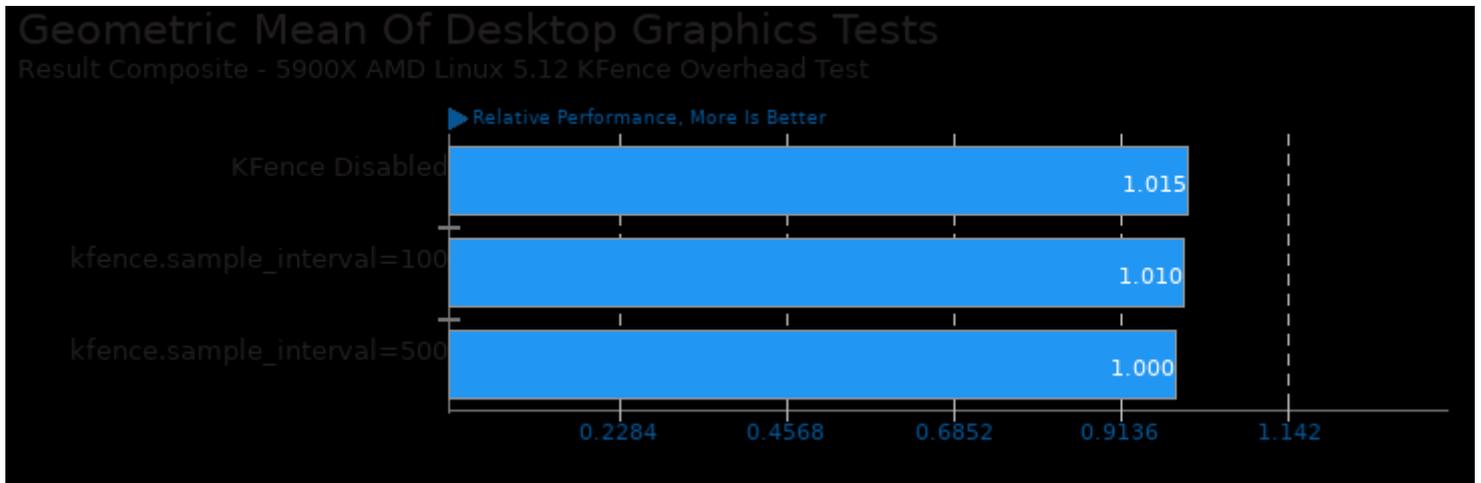
Geometric mean based upon tests: pts/build-linux-kernel, pts/compilebench, pts/svt-hevc, pts/svt-vp9, pts/stockfish and pts/stress-ng



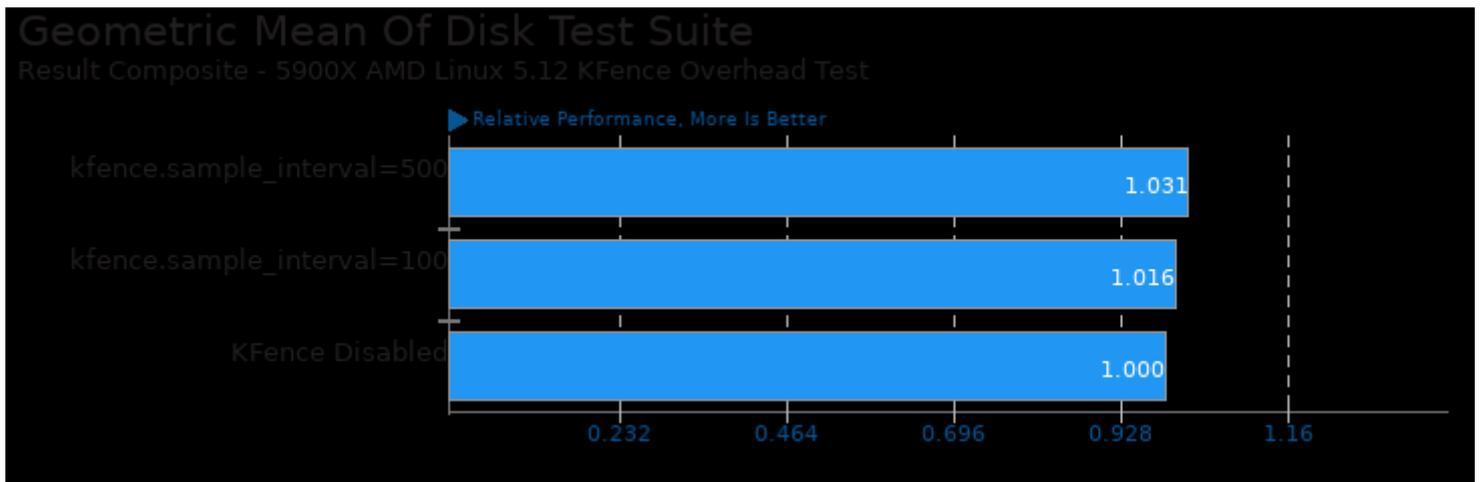
Geometric mean based upon tests: pts/luxcorerender, system/ocrmypdf, pts/svt-vp9, pts/svt-hevc, system/inkscape, system/rawtherapee, system/hugin and pts/build-godot



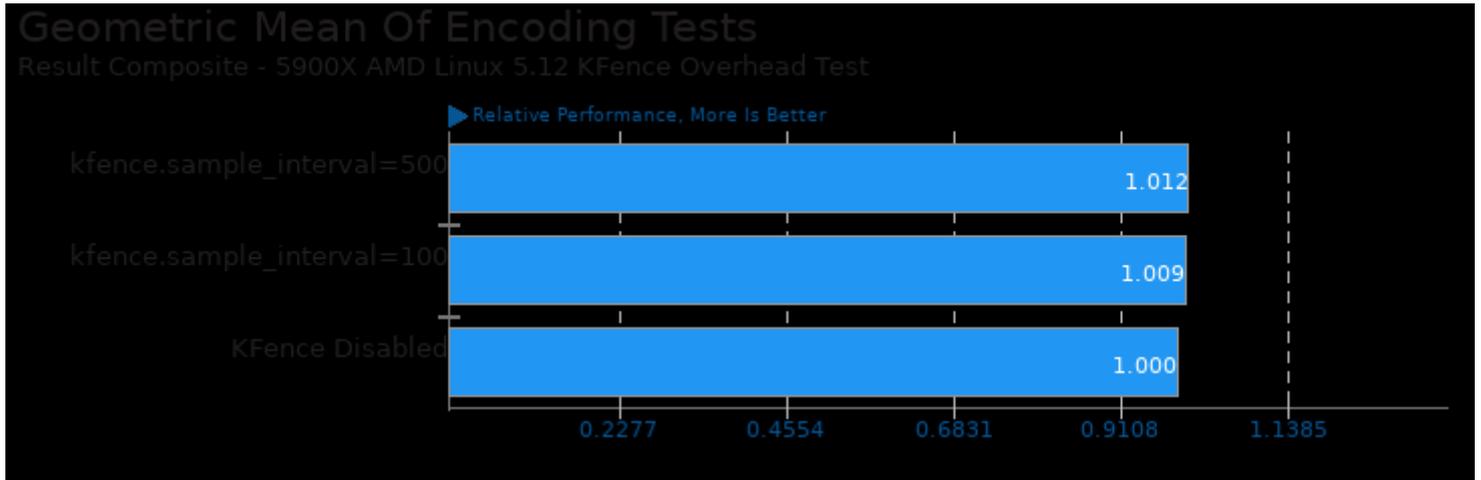
Geometric mean based upon tests: pts/sqlite-speedtest, pts/keydb and pts/influxdb



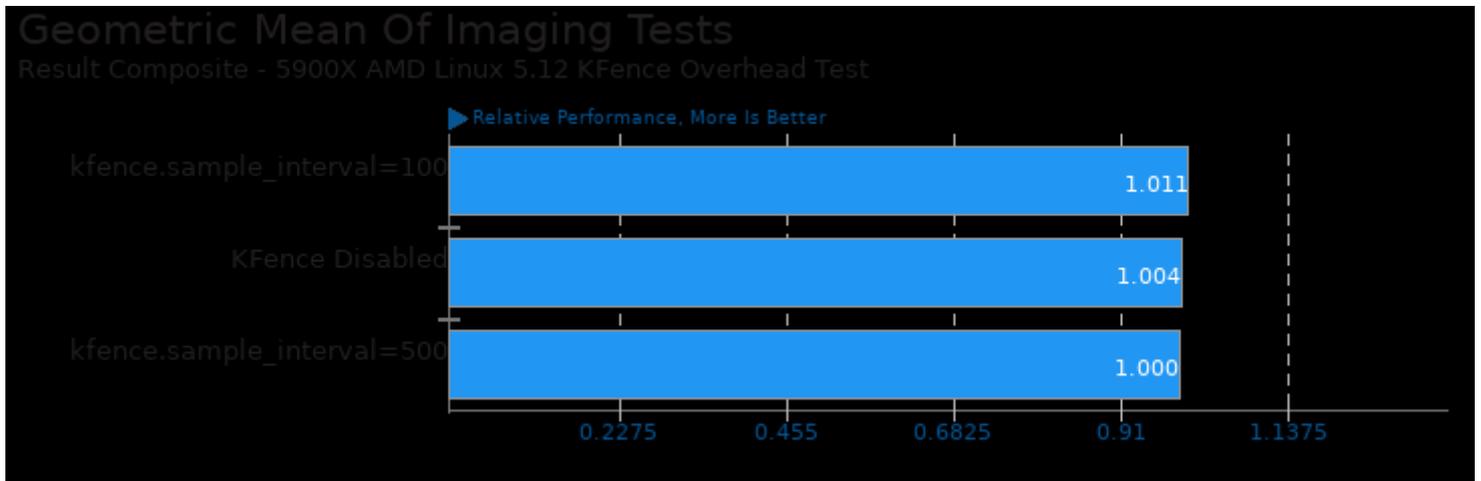
Geometric mean based upon tests: pts/tesseract, pts/paraview and pts/glmark2



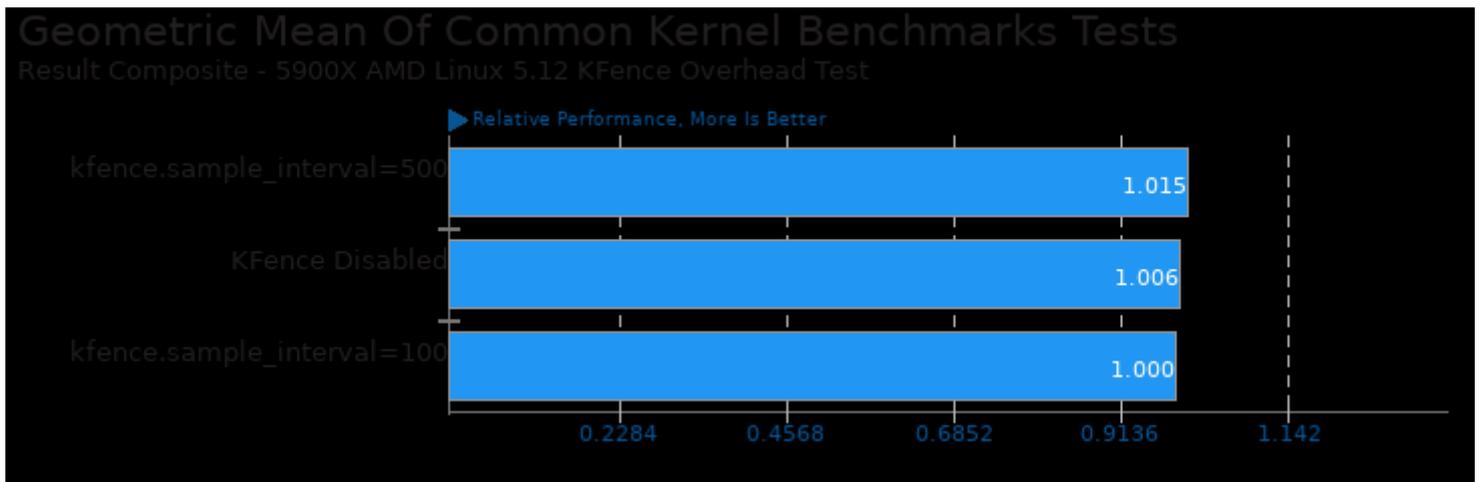
Geometric mean based upon tests: pts/fs-mark, pts/compilebench and pts/fio



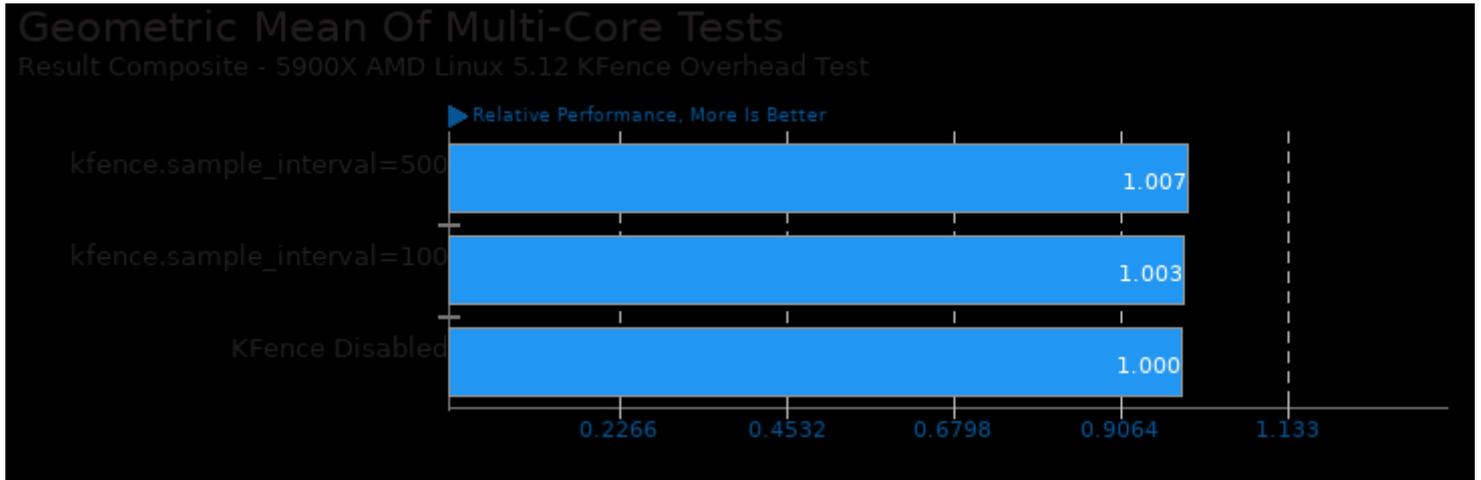
Geometric mean based upon tests: pts/svt-vp9 and pts/svt-hevc



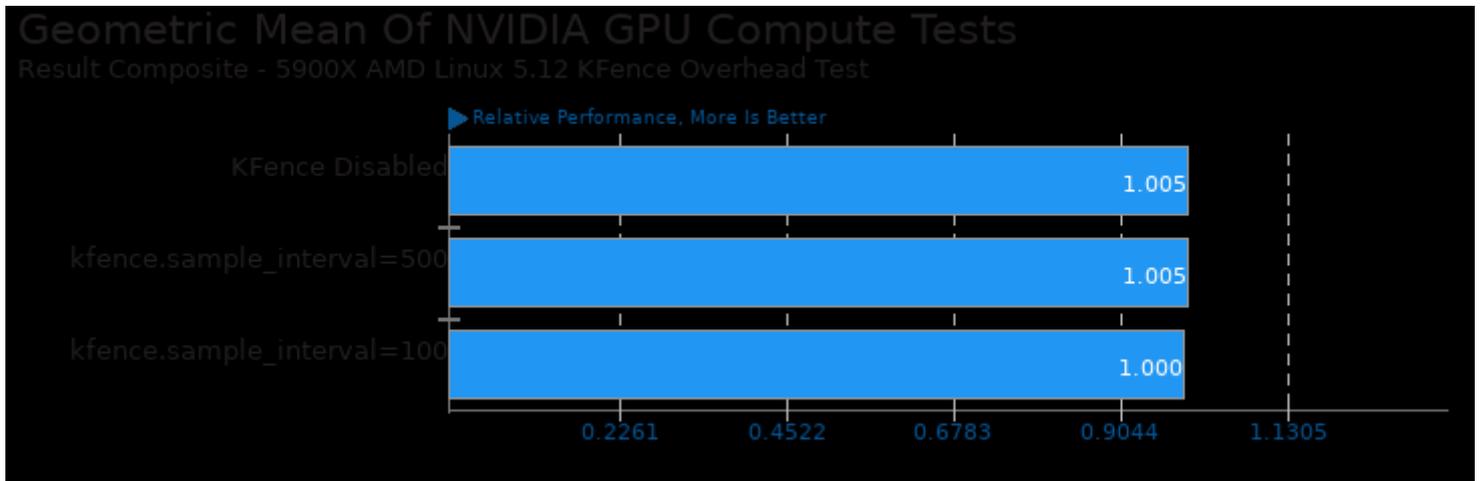
Geometric mean based upon tests: system/inkscape, system/rawtherapee and system/hugin



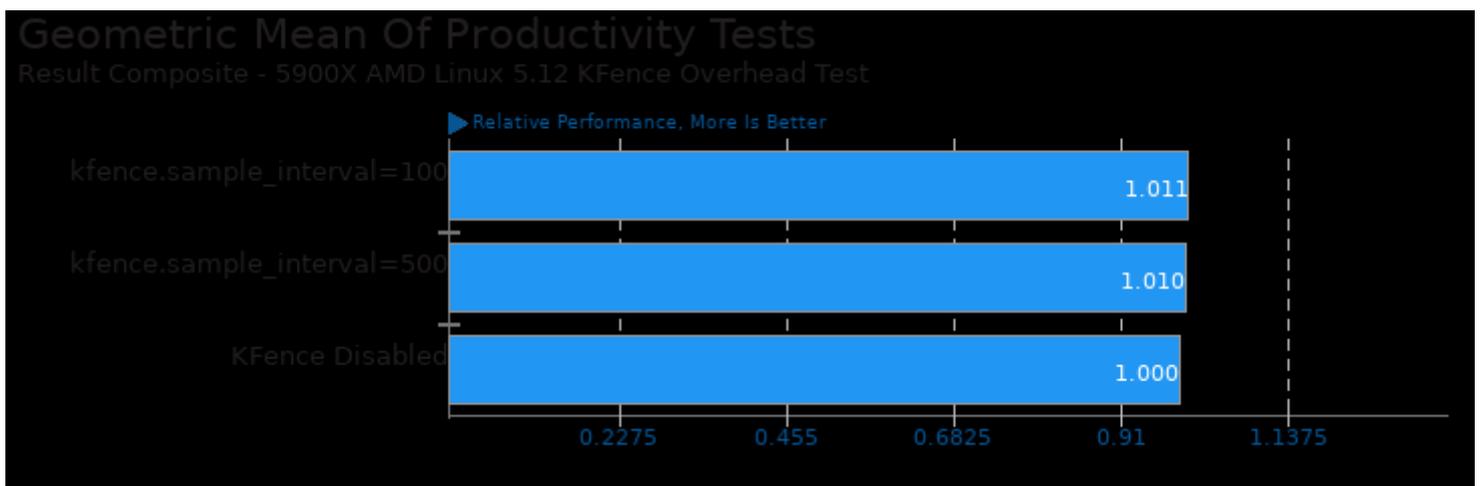
Geometric mean based upon tests: pts/sqlite-speedtest, pts/stress-ng and pts/osbench



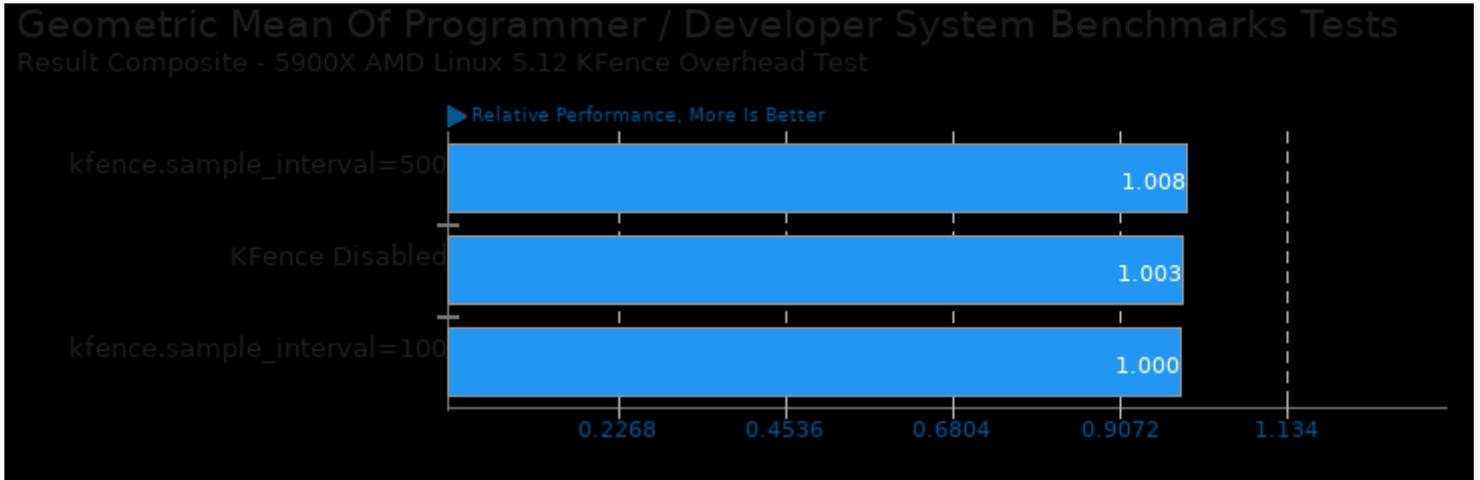
Geometric mean based upon tests: pts/stockfish, pts/svt-vp9, pts/svt-hevc, pts/build-linux-kernel, pts/build-gdb, pts/build-godot, pts/build-wasmer, pts/build-mesa and pts/luxcorerender



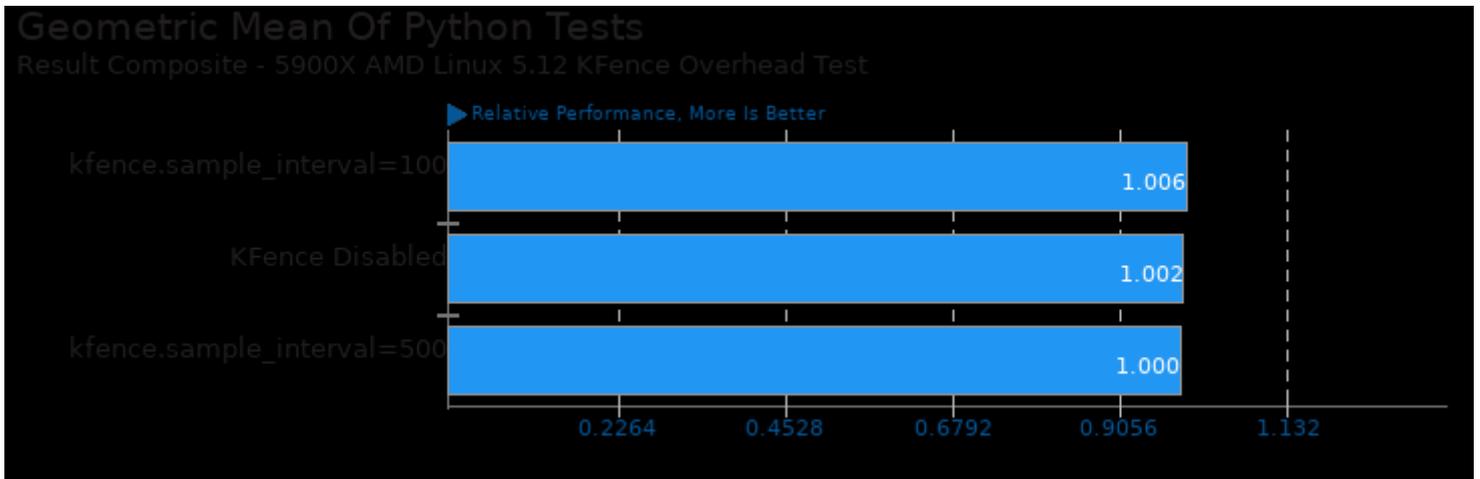
Geometric mean based upon tests: pts/luxcorerender, pts/realsr-ncnn and pts/waifu2x-ncnn



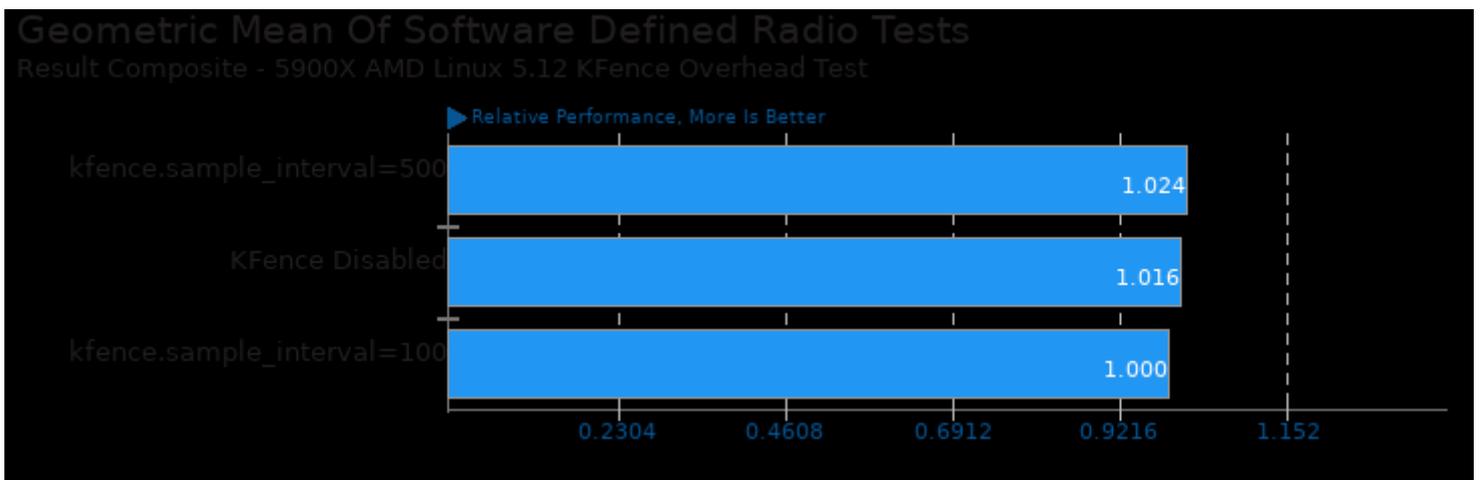
Geometric mean based upon tests: system/libreoffice and system/inkscape



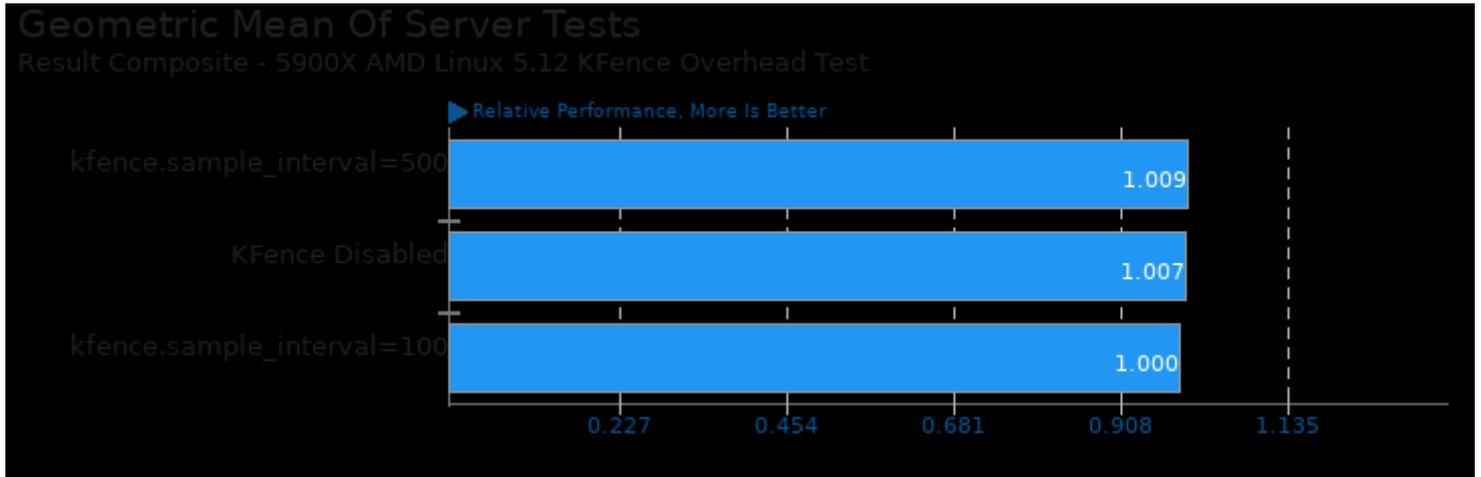
Geometric mean based upon tests: pts/simdjson, pts/sqlite-speedtest, pts/build-linux-kernel, pts/build-gdb, pts/build-godot, pts/build-wasmer and pts/build-mesa



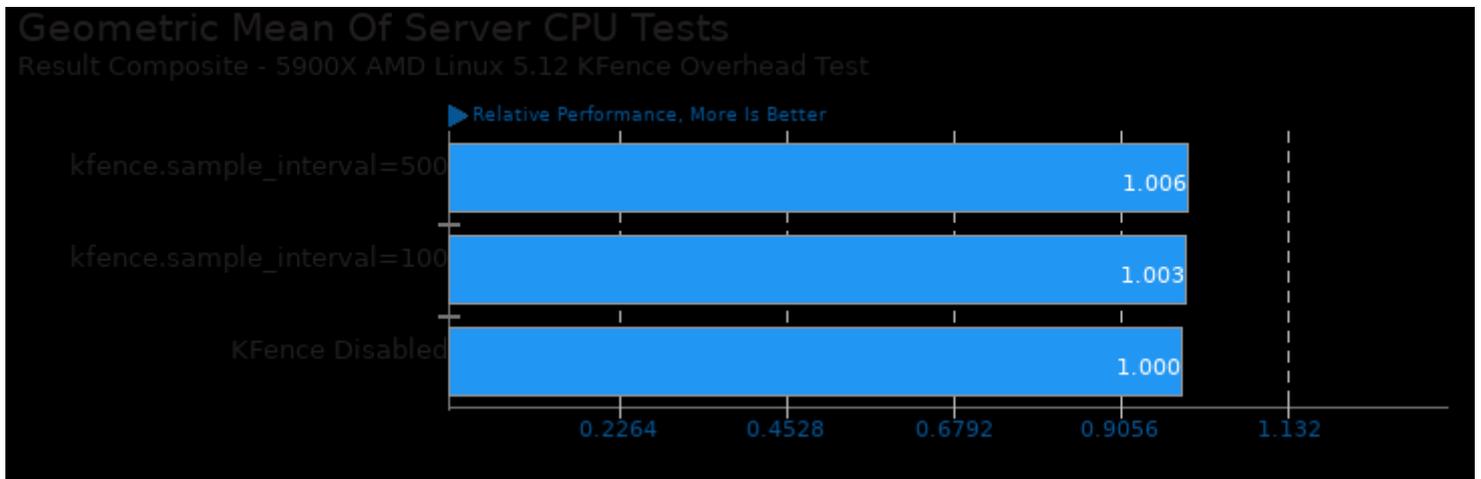
Geometric mean based upon tests: pts/compilebench, pts/glmark2, pts/paraview, pts/build-godot, pts/build-mesa, system/ocrmypdf and system/selenium



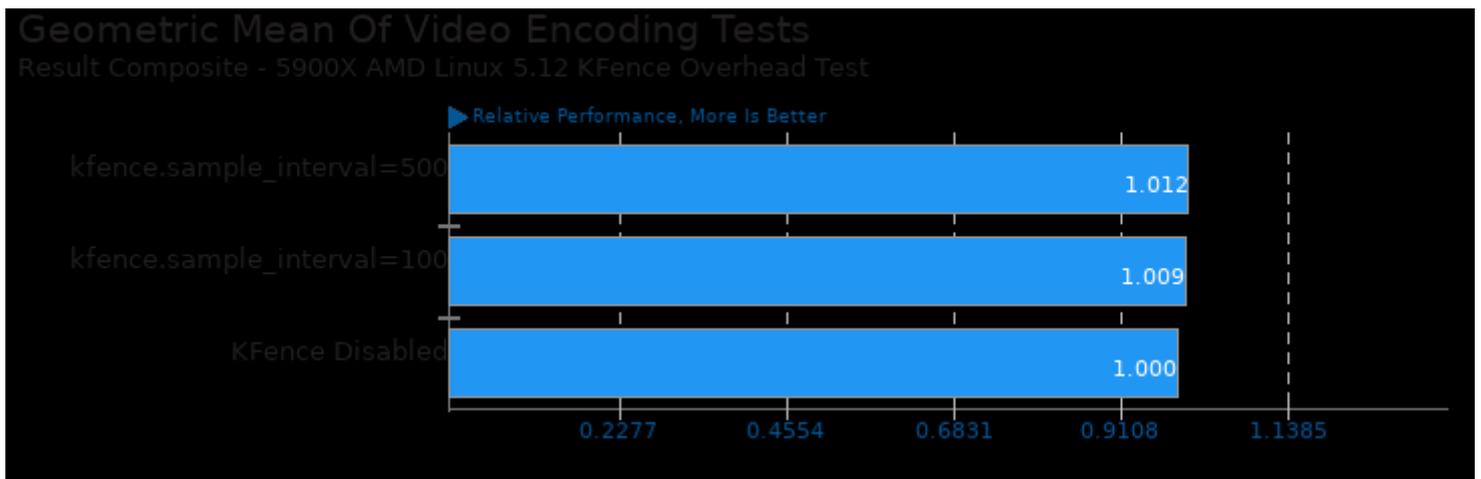
Geometric mean based upon tests: pts/liquid-dsp and pts/srslte



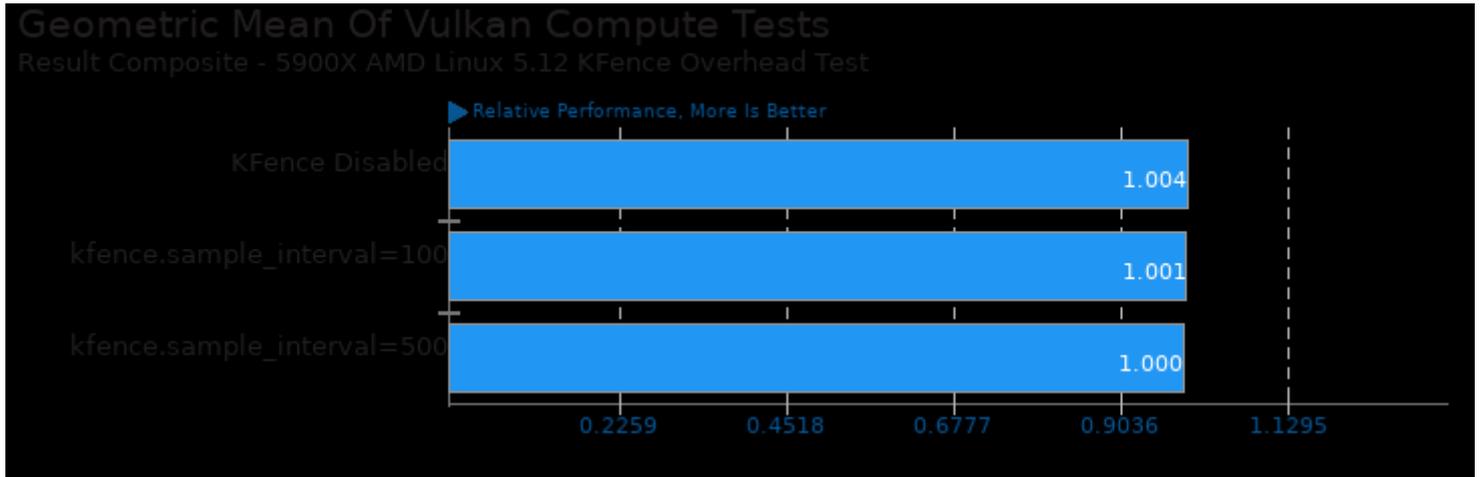
Geometric mean based upon tests: pts/keydb, pts/simdjson, pts/sqlite-speedtest and pts/influxdb



Geometric mean based upon tests: pts/svt-hevc, pts/svt-vp9, pts/stockfish, pts/build-linux-kernel and pts/stress-ng



Geometric mean based upon tests: pts/svt-vp9 and pts/svt-hevc



Geometric mean based upon tests: pts/realsr-ncnn and pts/waifu2x-ncnn

This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 22:07.