



kam

Running pts/sqlite-speedtest-1.0.1 via the Phoronix Test Suite.

Test Systems:

RAM Performance Test

PostMark Test

Dolfyn Test

FFTE Test

Webp Image Test

GraphicsMagick Test

Coremark Test

Processor: Unknown (2 Cores), Memory: 8192MB, Disk: 32GB SC32G, Monitor: DELL U2312HM

OS: Fedora 33, Kernel: 5.15.10+ (riscv64), Desktop: Xfce, Compiler: Clang 11.0.0, File-System: ext4, Screen Resolution: 1920x1080

Compiler Notes: --build=riscv64-redhat-linux --disable-libunwind-exceptions --enable-__cxa_atexit --enable-bootstrap --enable-checking=release --enable-gnu-unique-object --enable-initfini-array --enable-languages=c,c++,fortran,objc,obj-c++,ada,go,d,lo --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-abi=lp64d --with-arch=rv64gc --with-gcc-major-version-only --with-isl --with-linker-hash-style=gnu --with-multilib-list=lp64d

AO Bench Test

Perl Benchmark

RNNoise Test

Open SSL Test

SQLite SpeedTest

Processor: Unknown (2 Cores), Memory: 8192MB, Disk: 32GB SC32G, Monitor: Acer K202HQLA

OS: Fedora 33, Kernel: 5.15.10+ (riscv64), Desktop: Xfce, Compiler: Clang 11.0.0, File-System: ext4, Screen Resolution: 1366x768

Compiler Notes: --build=riscv64-redhat-linux --disable-libunwind-exceptions --enable-__cxa_atexit --enable-bootstrap --enable-checking=release --enable-gnu-unique-object --enable-initfini-array --enable-languages=c,c++,fortran,objc,obj-c++,ada,go,d,lo --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-abi=lp64d --with-arch=rv64gc --with-gcc-major-version-only --with-isl --with-linker-hash-style=gnu --with-multilib-list=lp64d

	RAM Perfor mance Test	PostMa rk Test	Dolfyn Test	FFTE Test	Webp Image Test	Graphic sMagic k Test	Corema rk Test	AO Bench Test	Perl Bench mark	RNNoic e Test	Open SSL Test	SQLite SpeedT est
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RAMspeed SMP 462.62

- Copy - Integer
(MB/s)

Standard Deviation 0.1%

PostMark - D.T.P
(TPS)

Standard Deviation 1.2%

Dolfyn - C.F.D
(sec)

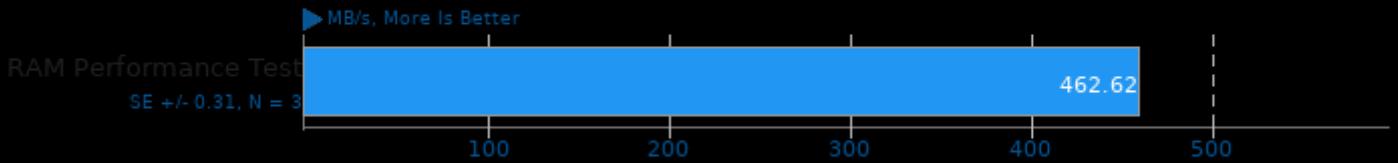
Standard Deviation 0.4%

FFTE -	424.37	
N.2.3.C.F.R		
(MFLOPS)		
Standard Deviation	0.4%	
WebP Image		39.27
Encode - Default		
(MP/s)		
Normalized	98.94%	
Standard Deviation	1.5%	
WebP Image		53.69
Encode - Quality		
100 (MP/s)		
Normalized	100%	
Standard Deviation	0.9%	
WebP Image		288.57
Encode - Q.1.L		
(MP/s)		
Normalized	100%	
Standard Deviation	0.2%	
WebP Image		91.90
Encode - Q.1.H.C		
(MP/s)		
Normalized	100%	
Standard Deviation	0.5%	
WebP Image		865.54
Encode -		
Q.1.L.H.C (MP/s)		
Normalized	99.41%	
Standard Deviation	1%	
GraphicsMagick		4
- Swirl		
(Iterations/min)		
Standard Deviation		0%
GraphicsMagick		21
- Rotate		
(Iterations/min)		
Standard Deviation		0%
GraphicsMagick		4
- Sharpen		
(Iterations/min)		
Standard Deviation		0%
GraphicsMagick		2
- Enhanced		
(Iterations/min)		
Standard Deviation		0%
GraphicsMagick		10
- Resizing		
(Iterations/min)		
Standard Deviation		0%

GraphicsMagick	3			
- Noise-Gaussian (Iterations/min)				
Standard Deviation	12.9%			
GraphicsMagick	12			
- HWB Color Space				
Standard Deviation	3.4%			
Coremark - CoreMark Size 666 - I.P.S (Iterations/Sec)		6151		
Standard Deviation		0.1%		
AOBench - 2048 x 2048 - Total Time (sec)			564.66	
Standard Deviation			2%	
Perl Benchmarks				2.69599
- Pod2html (sec)				882
Standard Deviation				2.8%
Perl Benchmarks				0.01357
- Interpreter				990
Standard Deviation				2.9%
RNNoise - P.T.S.v.8.1 (sec)				225.35
Standard Deviation				0.4%
OpenSSL - RSA4096 (sign/s)				13.30
Standard Deviation				0%
SQLite				1941
Speedtest - Timed Time - Standard Deviation				2.7%

RAMspeed SMP 3.5.0

Type: Copy - Benchmark: Integer



PostMark 1.51

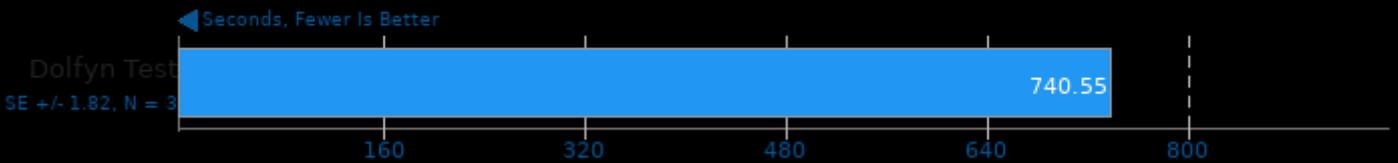
Disk Transaction Performance



1. (CC) gcc options: -O3

Dolfyn 0.527

Computational Fluid Dynamics



FFTE 7.0

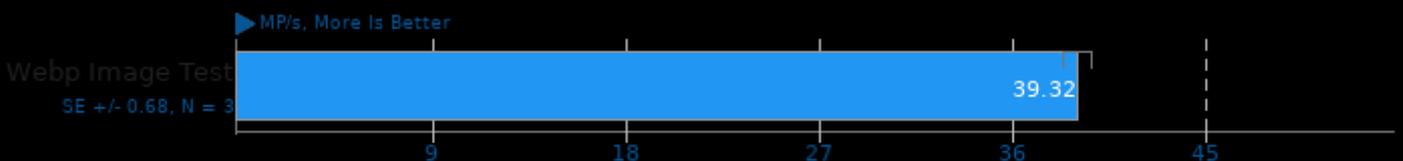
N=256, 3D Complex FFT Routine



1. (F9X) gfortran options: -O3 -fomit-frame-pointer -fopenmp

WebP Image Encode 1.2.4

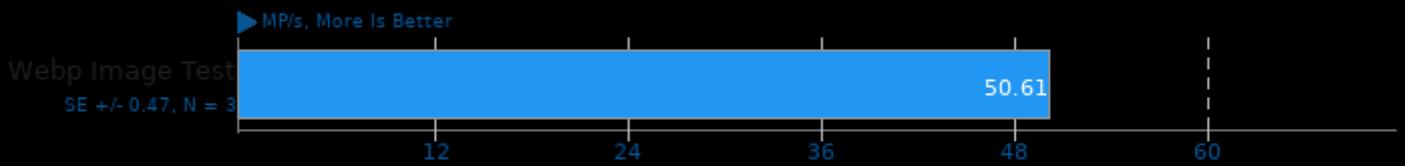
Encode Settings: Default



1. (CC) gcc options: -fvisibility=hidden -O2 -lm -pthread

WebP Image Encode 1.2.4

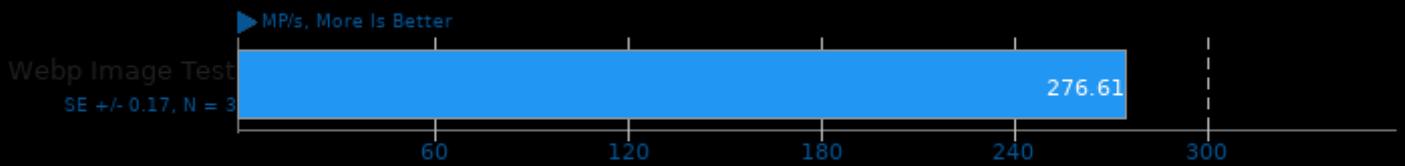
Encode Settings: Quality 100



1. (CC) gcc options: -fvisibility=hidden -O2 -lm -pthread

WebP Image Encode 1.2.4

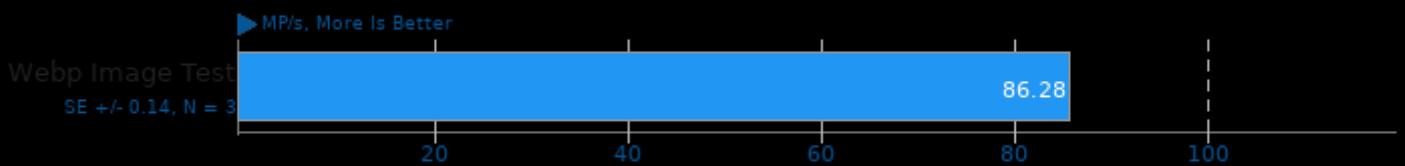
Encode Settings: Quality 100, Lossless



1. (CC) gcc options: -fvisibility=hidden -O2 -lm -pthread

WebP Image Encode 1.2.4

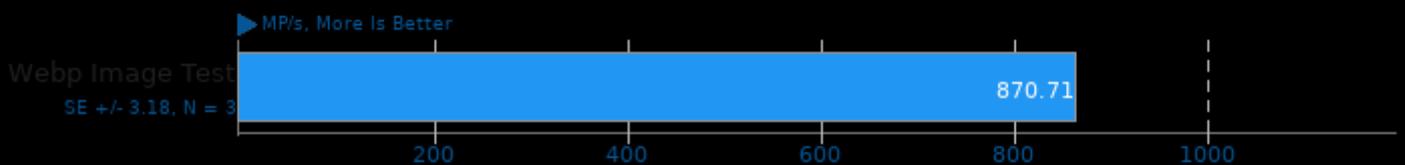
Encode Settings: Quality 100, Highest Compression



1. (CC) gcc options: -fvisibility=hidden -O2 -lm -pthread

WebP Image Encode 1.2.4

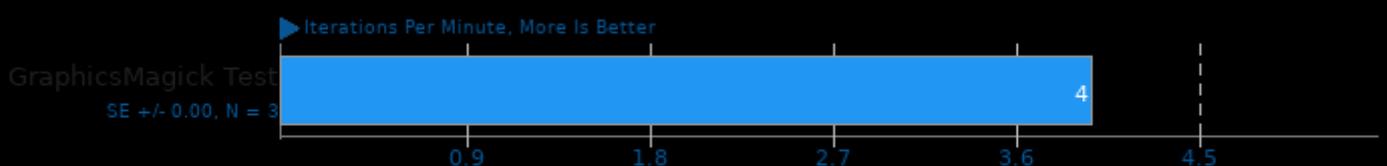
Encode Settings: Quality 100, Lossless, Highest Compression



1. (CC) gcc options: -fvisibility=hidden -O2 -lm -pthread

GraphicsMagick 1.3.38

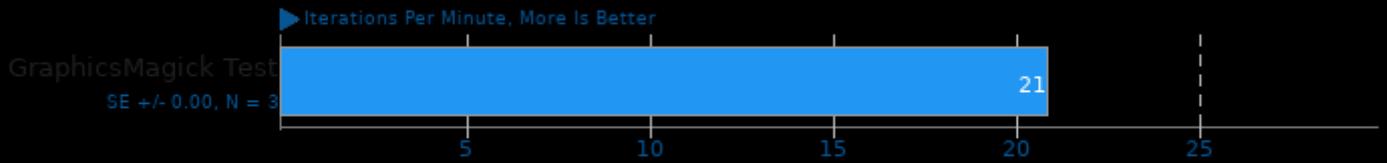
Operation: Swirl



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

GraphicsMagick 1.3.38

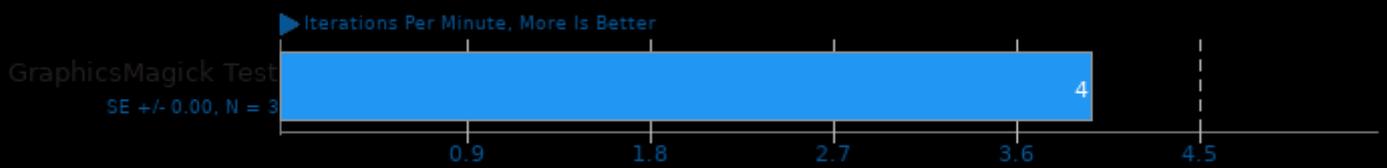
Operation: Rotate



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

GraphicsMagick 1.3.38

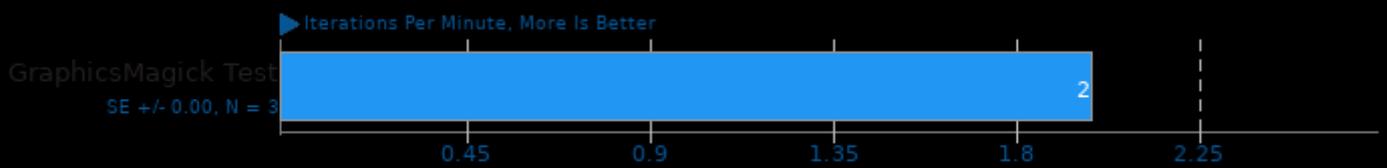
Operation: Sharpen



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

GraphicsMagick 1.3.38

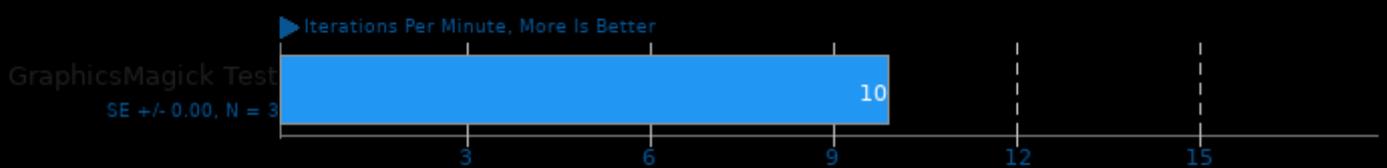
Operation: Enhanced



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

GraphicsMagick 1.3.38

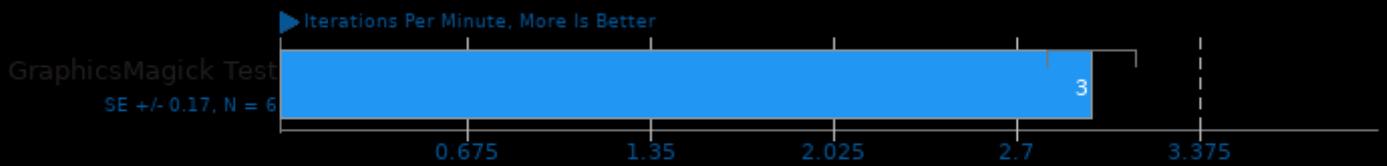
Operation: Resizing



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

GraphicsMagick 1.3.38

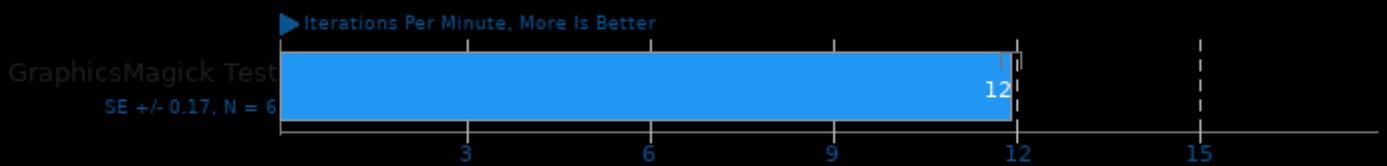
Operation: Noise-Gaussian



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

GraphicsMagick 1.3.38

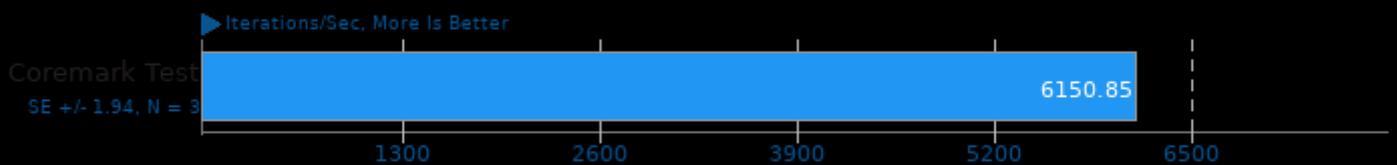
Operation: HWB Color Space



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

Coremark 1.0

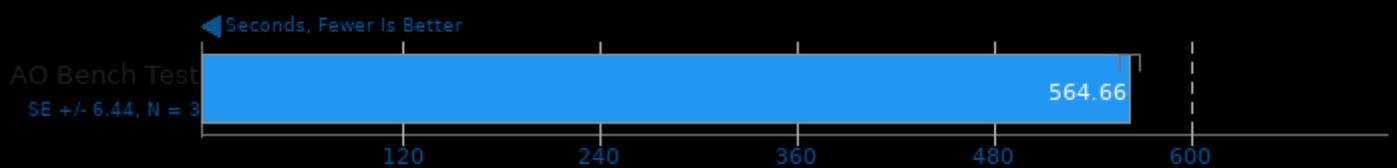
CoreMark Size 666 - Iterations Per Second



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

AOBench

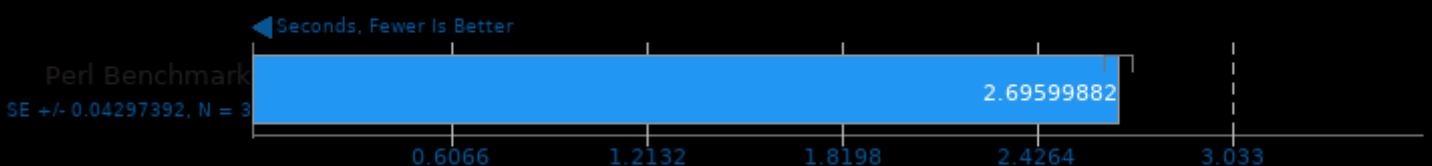
Size: 2048 x 2048 - Total Time



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

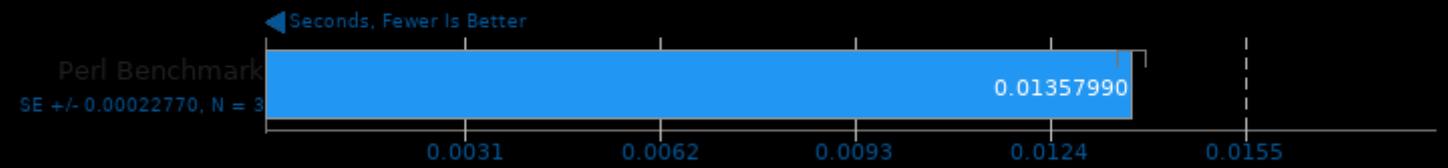
Perl Benchmarks

Test: Pod2html



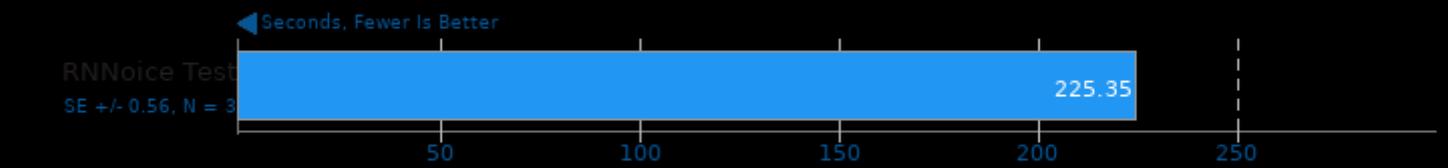
Perl Benchmarks

Test: Interpreter



RNNoise 2020-06-28

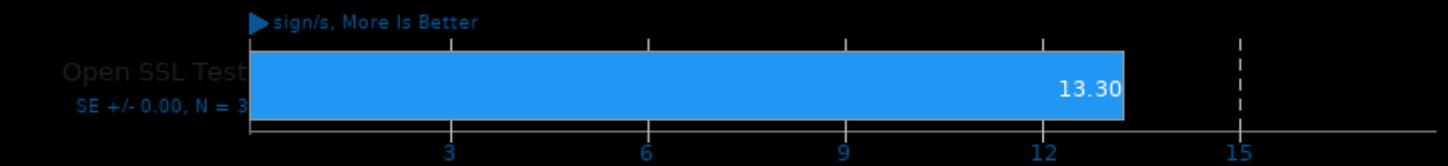
Phoronix Test Suite v5.8.1



1. (CC) gcc options: -O2 -pedantic -fvisibility=hidden -lm

OpenSSL 3.0

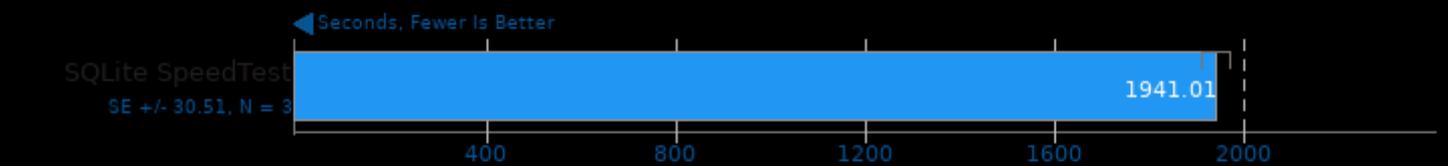
Algorithm: RSA4096



1. (CC) gcc options: -pthread -O3 -lssl -lcrypto -ldl

SQLite Speedtest 3.30

Timed Time - Size 1,000



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

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