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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,lto --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

RNNoice 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,lto --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

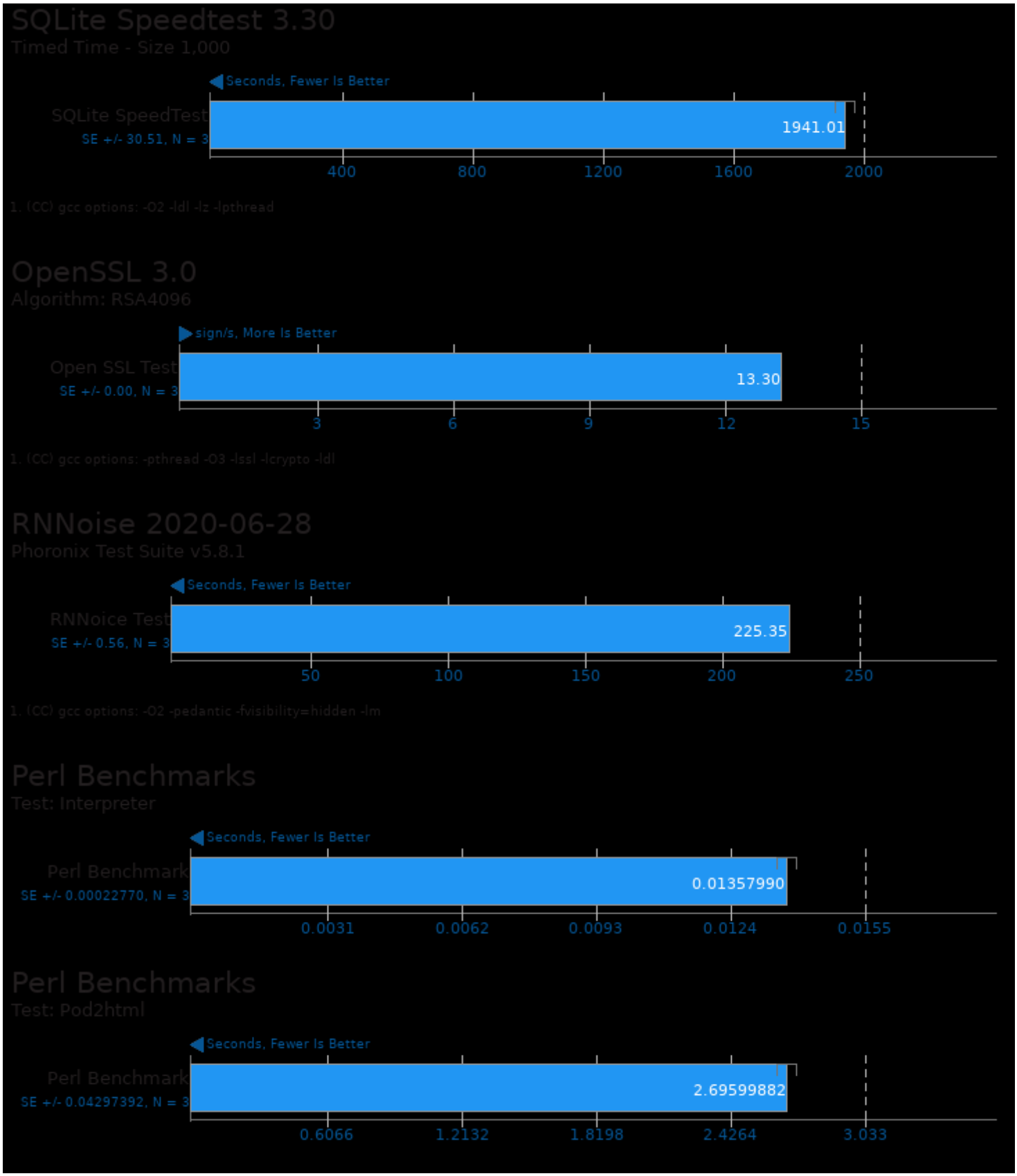
	RAM Performance Test	PostMark Test	Dolfyn Test	FFTE Test	Webp Image Test	GraphicsMagick Test	Coremark Test	AO Bench Test	Perl Benchmark	RNNoice Test	Open SSL Test	SQLite SpeedTest
SQLite Speedtest - Timed Time -												1941
Standard Deviation												2.7%
OpenSSL - RSA4096 (sign/s)											13.30	
Standard Deviation											0%	
RNNoise - P.T.S.v.8.1 (sec)										225.35		
Standard Deviation										0.4%		
Perl Benchmarks - Interpreter									0.01357990			
Standard Deviation									2.9%			

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Perl Benchmarks - Pod2html (sec)					2.69599
Standard Deviation					882
					2.8%
AOBench - 2048 x 2048 - Total Time (sec)				564.66	
Standard Deviation				2%	
Coremark - CoreMark Size 666 - I.P.S (Iterations/Sec)			6151		
Standard Deviation			0.1%		
GraphicsMagick - HWB Color Space		12			
Standard Deviation		3.4%			
GraphicsMagick - Noise-Gaussian (Iterations/min)		3			
Standard Deviation		12.9%			
GraphicsMagick - Resizing (Iterations/min)		10			
Standard Deviation		0%			
GraphicsMagick - Enhanced (Iterations/min)		2			
Standard Deviation		0%			
GraphicsMagick - Sharpen (Iterations/min)		4			
Standard Deviation		0%			
GraphicsMagick - Rotate (Iterations/min)		21			
Standard Deviation		0%			
GraphicsMagick - Swirl (Iterations/min)		4			
Standard Deviation		0%			
WebP Image Encode - Q.1.L.H.C (MP/s)	**865.90**				
Normalized	99.45%				
Standard Deviation	1.5%				
WebP Image Encode - Q.1.H.C (MP/s)	**91.83**				
Normalized	99.92%				
Standard Deviation	3%				

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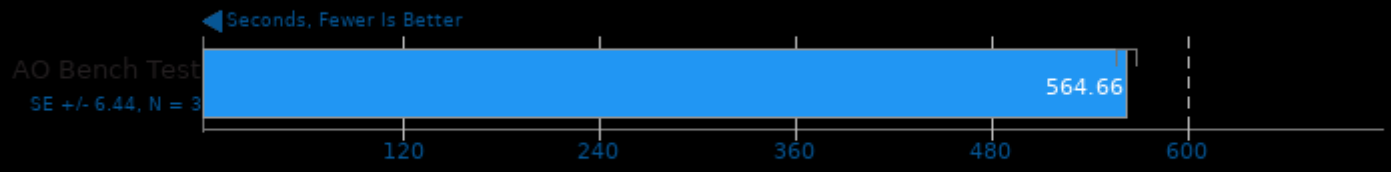
WebP Image Encode - Q.1.L (MP/s)				**277.04**
Normalized				96%
Standard Deviation				1.2%
WebP Image Encode - Quality 100 (MP/s)				**52.14**
Normalized				97.11%
Standard Deviation				1.1%
WebP Image Encode - Default (MP/s)				**38.74**
Normalized				97.61%
Standard Deviation				0.3%
FFTE - N.2.3.C.F.R (MFLOPS)			424.37	
Standard Deviation			0.4%	
Dolfyn - C.F.D (sec)		740.55		
Standard Deviation		0.4%		
PostMark - D.T.P (TPS)	216			
Standard Deviation	1.2%			
RAMspeed SMP - Copy - Integer (MB/s)	462.62			
Standard Deviation	0.1%			


SQLite Speedtest 3.30
Timed Time - Size 1,000
Seconds, Fewer Is Better
SQLite SpeedTest
SE +/- 30.51, N = 3
1941.01
400
800
1200
1600
2000
1. (CC) gcc options: -O2 -ldl -lz -lpthread
OpenSSL 3.0
Algorithm: RSA4096
sign/s, More Is Better
Open SSL Test
SE +/- 0.00, N = 3
13.30
3
6
9
12
15
1. (CC) gcc options: -pthread -O3 -lssl -lcrypto -ldl
RNNoise 2020-06-28
Phoronix Test Suite v5.8.1
Seconds, Fewer Is Better
RNNoice Test
SE +/- 0.56, N = 3
225.35
50
100
150
200
250
1. (CC) gcc options: -O2 -pedantic -fvisibility=hidden -lm
Perl Benchmarks
Test: Interpreter
Seconds, Fewer Is Better
Perl Benchmark
SE +/- 0.00022770, N = 3
0.01357990
0.0031
0.0062
0.0093
0.0124
0.0155
Perl Benchmarks
Test: Pod2html
Seconds, Fewer Is Better
Perl Benchmark
SE +/- 0.04297392, N = 3
2.69599882
0.6066
1.2132
1.8198
2.4264
3.033

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AOBench

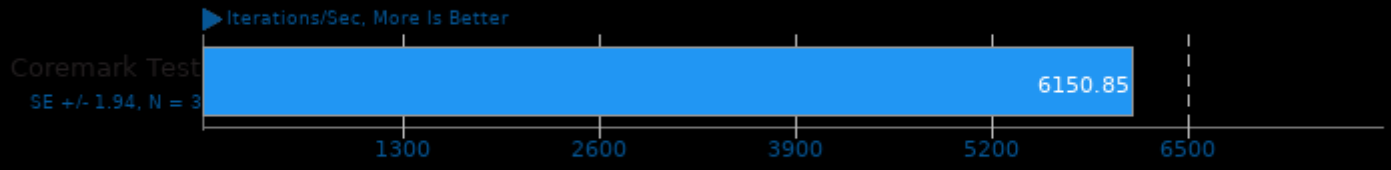
Size: 2048 x 2048 - Total Time



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

Coremark 1.0

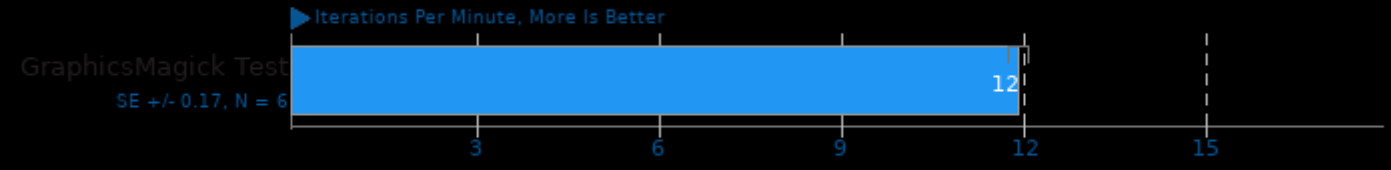
CoreMark Size 666 - Iterations Per Second



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

GraphicsMagick 1.3.38

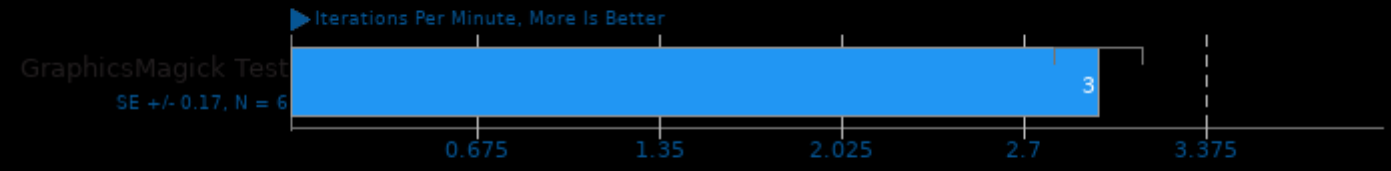
Operation: HWB Color Space



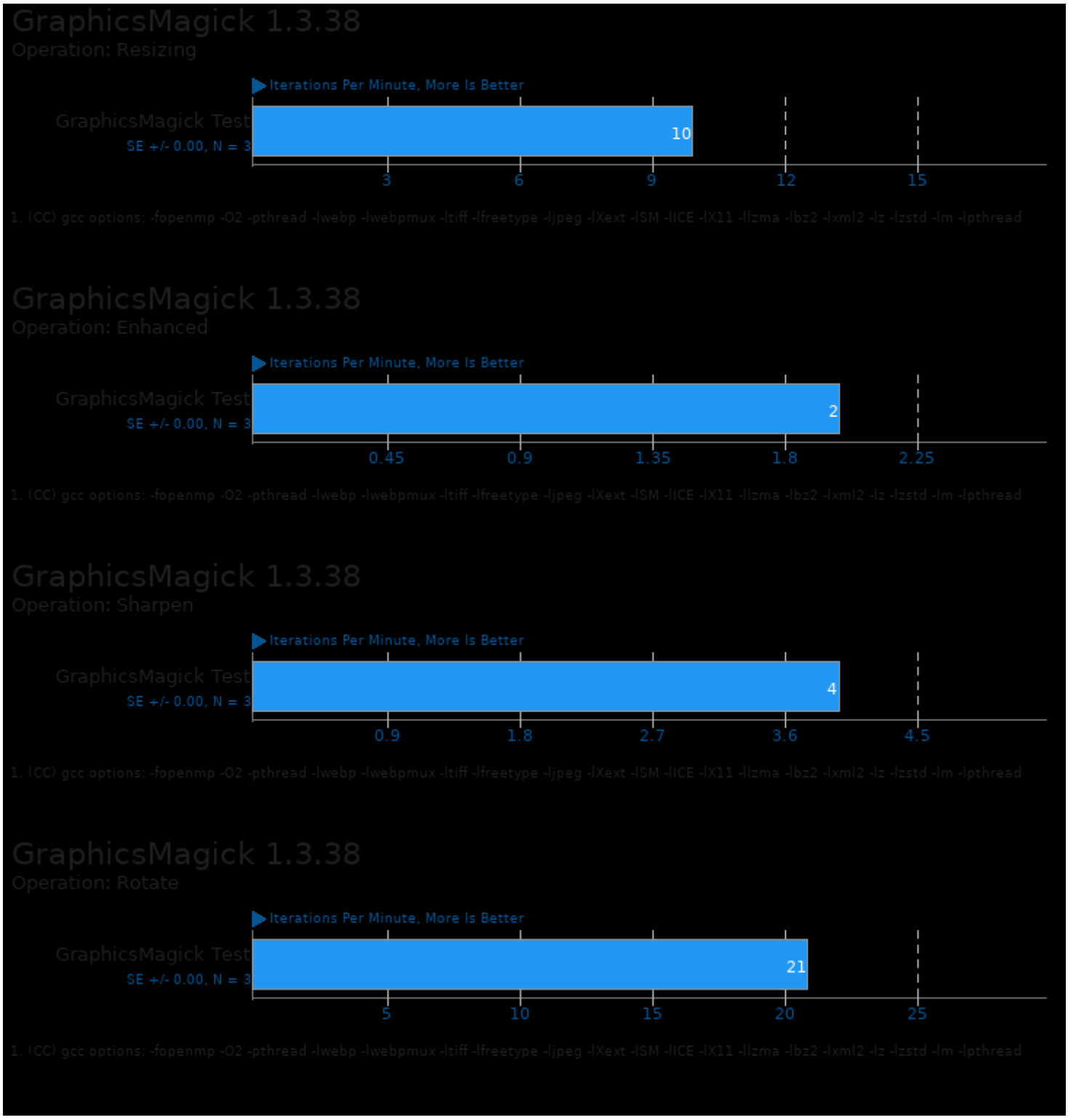
1. (CC) gcc options: -fopenmp -O2 -pthread -lwebp -lwebpmux -ltiff -lfreetype -ljpeg -lXext -lSM -lICE -lX11 -llzma -lbz2 -lxml2 -lz -lzstd -lm -lpthread

GraphicsMagick 1.3.38

Operation: Noise-Gaussian

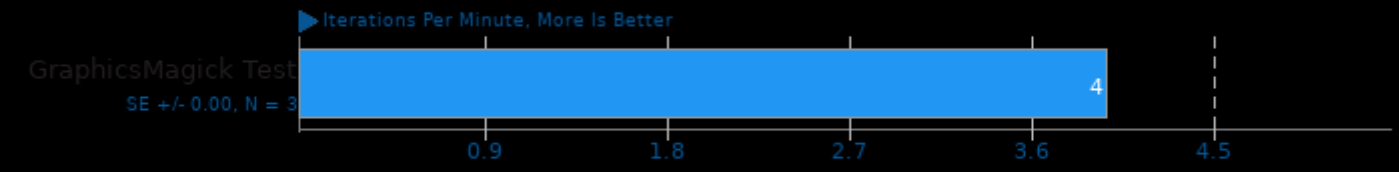


1. (CC) gcc options: -fopenmp -O2 -pthread -lwebp -lwebpmux -ltiff -lfreetype -ljpeg -lXext -lSM -lICE -lX11 -llzma -lbz2 -lxml2 -lz -lzstd -lm -lpthread


GraphicsMagick 1.3.38
Operation: Resizing
Iterations Per Minute, More Is Better
GraphicsMagick Test
SE +/- 0.00, N = 3
10
3
6
9
12
15
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
Iterations Per Minute, More Is Better
GraphicsMagick Test
SE +/- 0.00, N = 3
2
0.45
0.9
1.35
1.8
2.25
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
Iterations Per Minute, More Is Better
GraphicsMagick Test
SE +/- 0.00, N = 3
4
0.9
1.8
2.7
3.6
4.5
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: Rotate
Iterations Per Minute, More Is Better
GraphicsMagick Test
SE +/- 0.00, N = 3
21
5
10
15
20
25
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

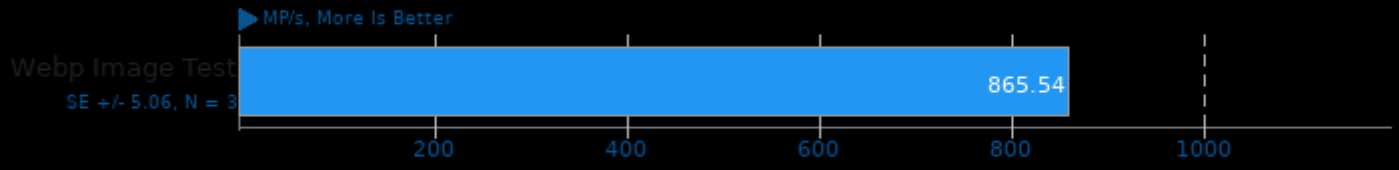
Operation: Swirl



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

WebP Image Encode 1.2.4

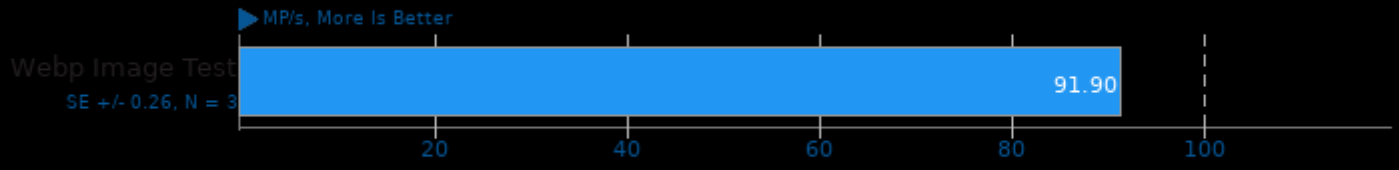
Encode Settings: Quality 100, Lossless, Highest Compression



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

WebP Image Encode 1.2.4

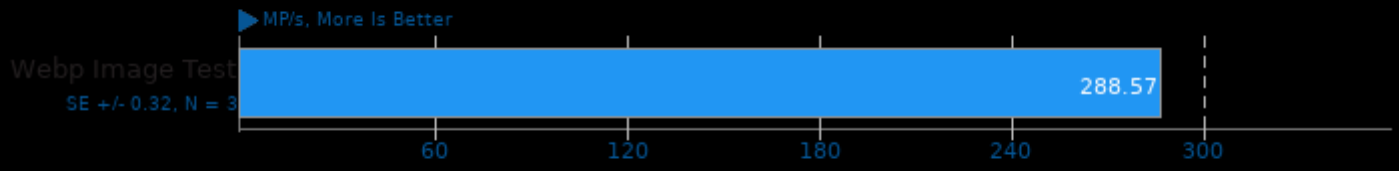
Encode Settings: Quality 100, Highest Compression



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

WebP Image Encode 1.2.4

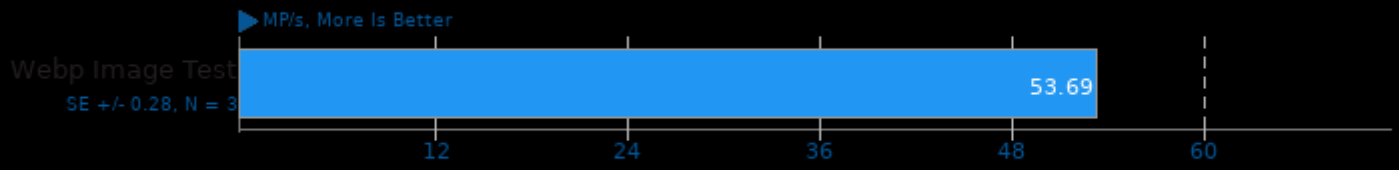
Encode Settings: Quality 100, Lossless



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

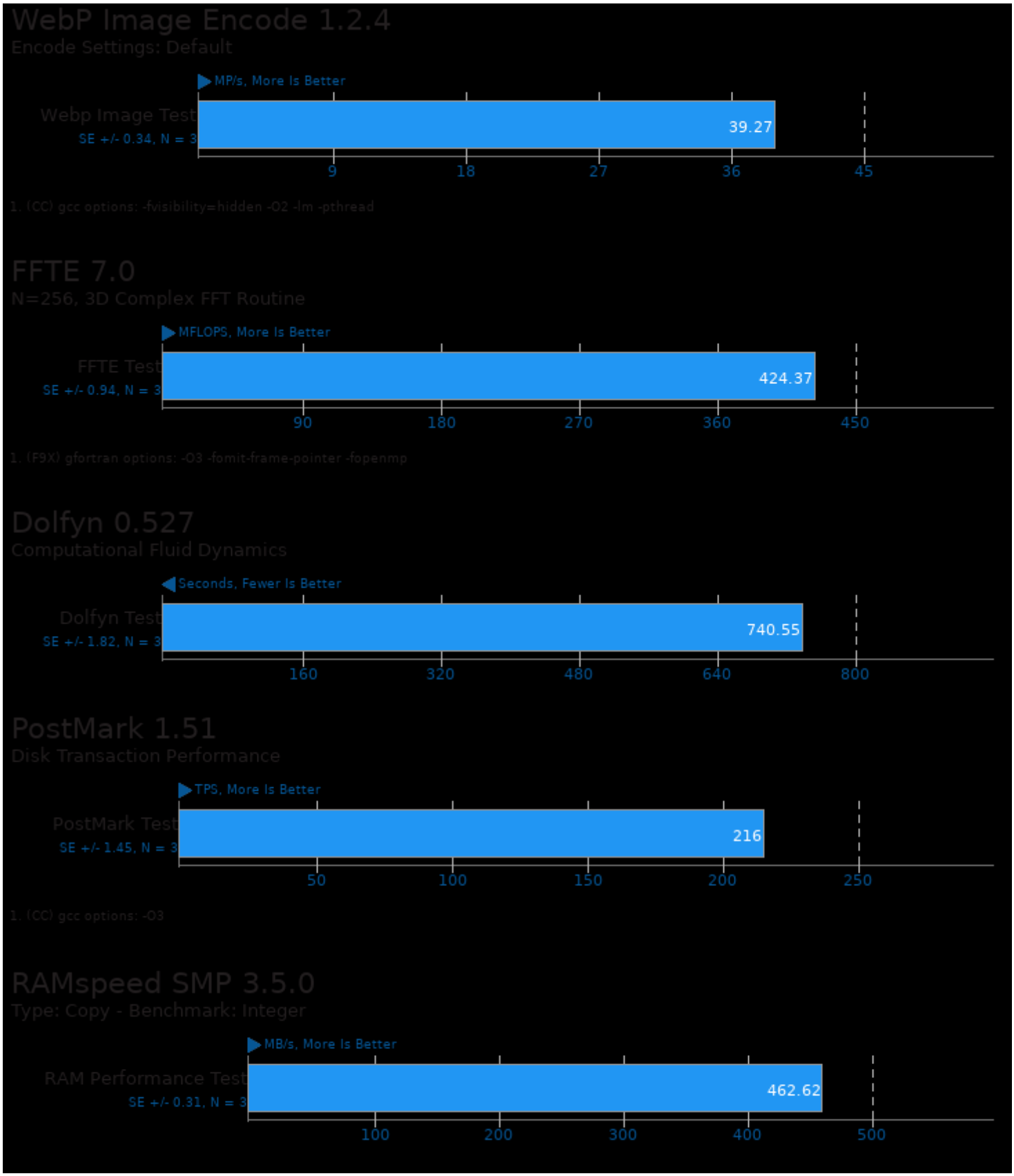
WebP Image Encode 1.2.4

Encode Settings: Quality 100



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

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