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Running pts/graphics-magick-2.1.0 via the Phoronix Test Suite.

Test Systems:

RAM Performance Test

PostMark Test

Dolfyn Test

FFTE Test

Webp Image Test

GraphicsMagick Test

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

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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

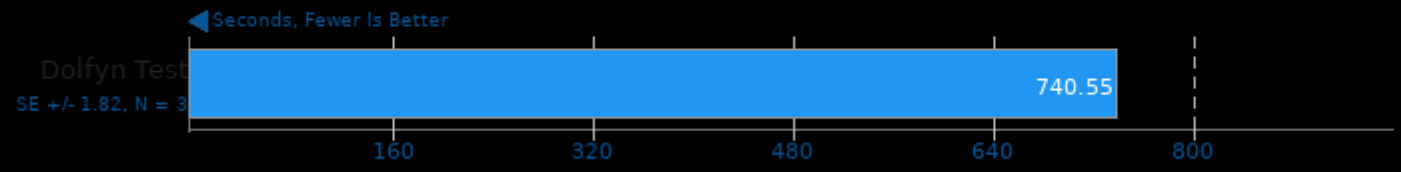
	RAM Performance Test	PostMark Test	Dolfyn Test	FFTE Test	Webp Image Test	GraphicsMagick Test
Dolfyn - C.F.D (sec)			740.55			
Standard Deviation			0.4%			
FFTE - N.2.3.C.F.R (MFLOPS)				424.37		
Standard Deviation				0.4%		
GraphicsMagick - Swirl (Iterations/min)						4
Standard Deviation						0%
GraphicsMagick - Rotate (Iterations/min)						21
Standard Deviation						0%
GraphicsMagick - Sharpen (Iterations/min)						4
Standard Deviation						0%
GraphicsMagick - Enhanced (Iterations/min)						2
Standard Deviation						0%
GraphicsMagick - Resizing (Iterations/min)						10
Standard Deviation						0%
GraphicsMagick - Noise-Gaussian (Iterations/min)						3
Standard Deviation						12.9%
GraphicsMagick - HWB Color Space (Iterations/min)						12
Standard Deviation						3.4%
PostMark - D.T.P (TPS)		216				
Standard Deviation		1.2%				
RAMspeed SMP - Copy - Integer (MB/s)	462.62					
Standard Deviation	0.1%					
WebP Image Encode - Default (MP/s)					**38.74**	
Normalized					97.61%	
Standard Deviation					0.3%	
WebP Image Encode - Quality 100 (MP/s)					**52.14**	
Normalized					97.11%	

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Standard Deviation	1.1%
WebP Image Encode - Q.1.L (MP/s)	**277.04**
Normalized	96%
Standard Deviation	1.2%
WebP Image Encode - Q.1.H.C (MP/s)	**91.83**
Normalized	99.92%
Standard Deviation	3%
WebP Image Encode - Q.1.L.H.C (MP/s)	**865.90**
Normalized	99.45%
Standard Deviation	1.5%

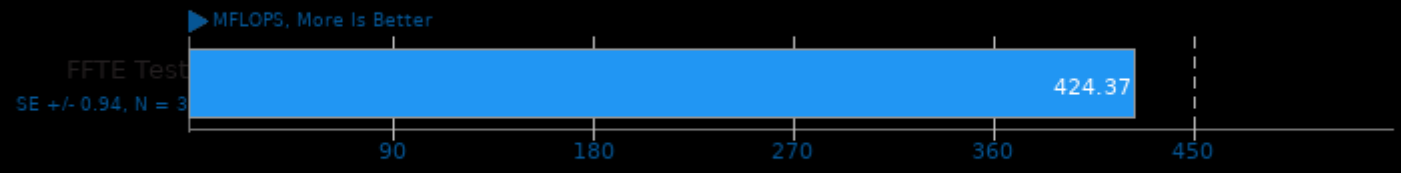
Dolfyn 0.527

Computational Fluid Dynamics



FFTE 7.0

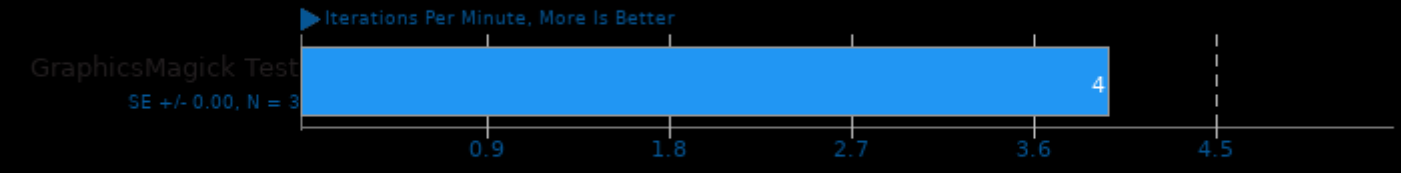
N=256, 3D Complex FFT Routine



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

GraphicsMagick 1.3.38

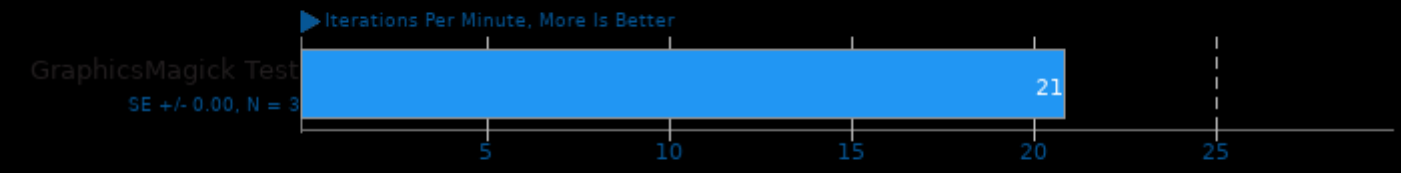
Operation: Swirl



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

GraphicsMagick 1.3.38

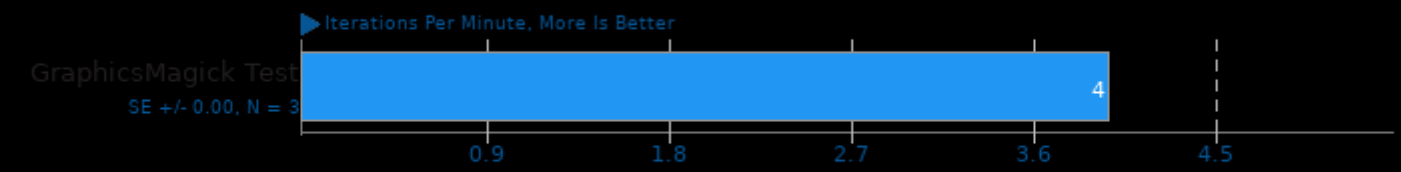
Operation: Rotate



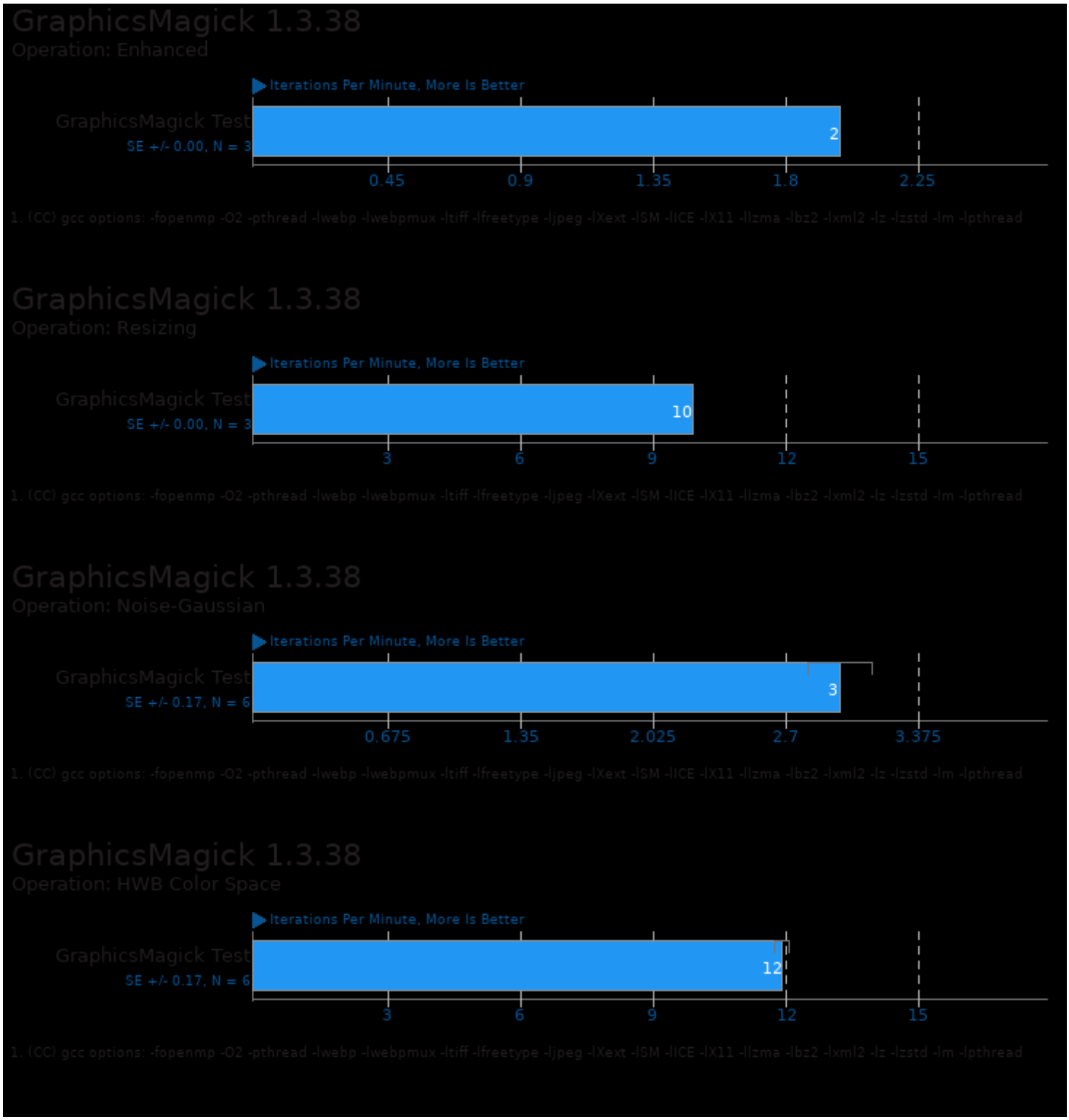
1. (CC) gcc options: -fopenmp -O2 -pthread -lwebp -lwebpmux -ltiff -lfreetype -ljpeg -lXext -lSM -lICE -lX11 -llzma -lbz2 -lxml2 -lz -lzstd -lm -lpthread

GraphicsMagick 1.3.38

Operation: Sharpen

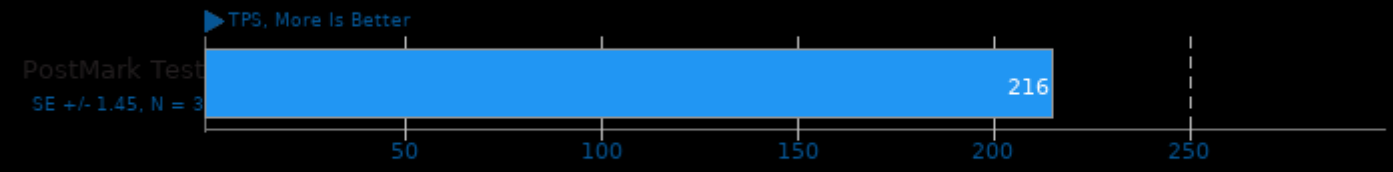


1. (CC) gcc options: -fopenmp -O2 -pthread -lwebp -lwebpmux -ltiff -lfreetype -ljpeg -lXext -lSM -lICE -lX11 -llzma -lbz2 -lxml2 -lz -lzstd -lm -lpthread


GraphicsMagick 1.3.38
Operation: Enhanced
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: 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: Noise-Gaussian
Iterations Per Minute, More Is Better
GraphicsMagick Test
SE +/- 0.17, N = 6
3
0.675
1.35
2.025
2.7
3.375
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
Iterations Per Minute, More Is Better
GraphicsMagick Test
SE +/- 0.17, N = 6
12
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

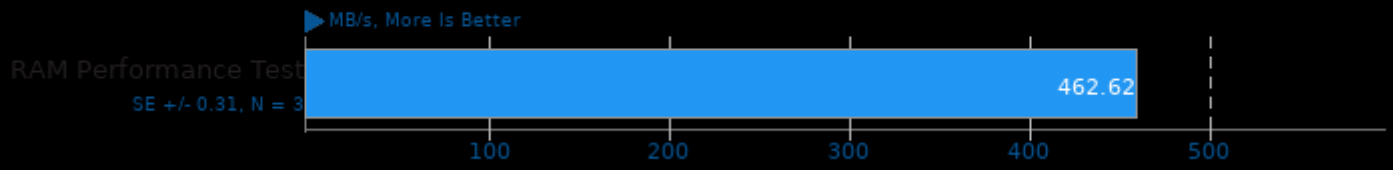
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PostMark 1.51
Disk Transaction Performance

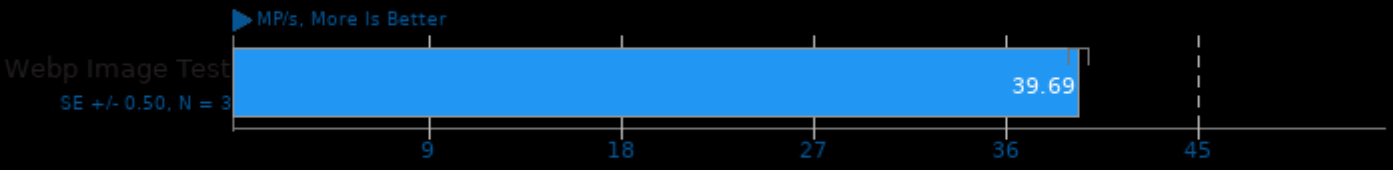


1. (CC) gcc options: -O3

RAMspeed SMP 3.5.0
Type: Copy - Benchmark: Integer

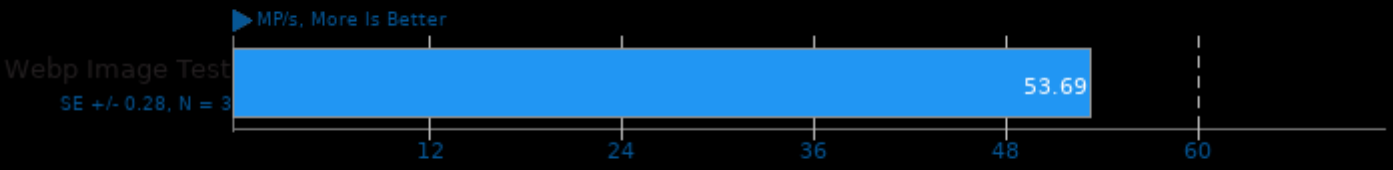


WebP Image Encode 1.2.4
Encode Settings: Default



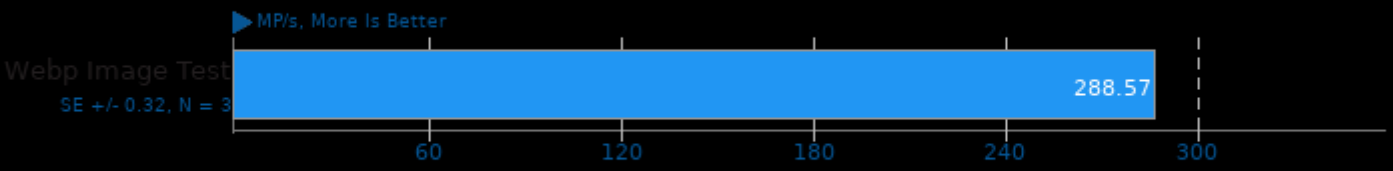
1. (CC) gcc options: -fvisibility=hidden -O2 -lm -pthread

WebP Image Encode 1.2.4
Encode Settings: Quality 100

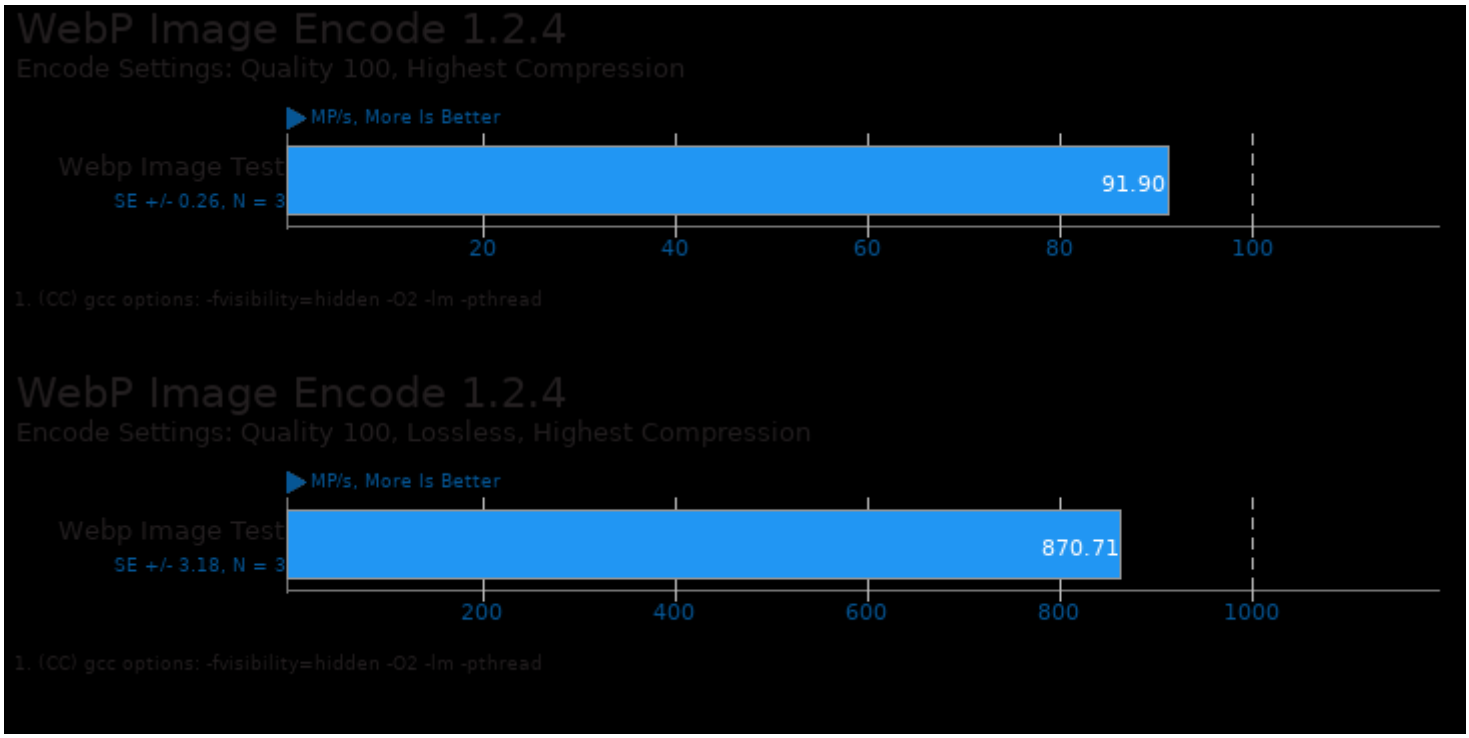


1. (CC) gcc options: -fvisibility=hidden -O2 -lm -pthread

WebP Image Encode 1.2.4
Encode Settings: Quality 100, Lossless



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



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