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Running pts/aobench-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

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

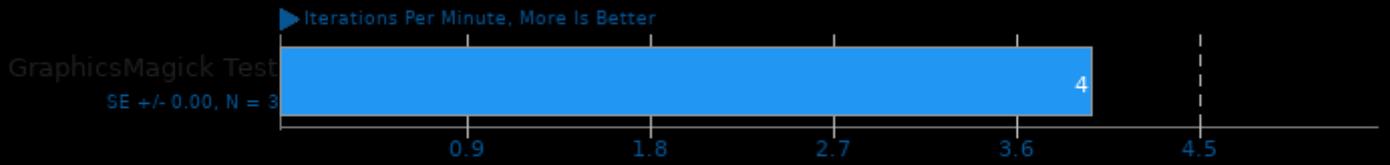
Compiler Notes: --build=riscv64-redhat-linux --disable-libunwind-exceptions --enable-__cxa_atexit --enable-bootstrap --enable-checking=release --enable-gnu-unique-object --enable-initfini-array --enable-languages=c,c++,fortran,objc,obj-c++,ada,go,d,lto --enable-multilib --enable-plugin --enable-shared --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 Performan ce Test	PostMark Test	Dolfyn Test	FFTE Test	Webp Image Test	GraphicsM agick Test	Coremark Test	AO Bench Test
GraphicsMagick - Swirl						4		
(Iterations/min)								
Standard Deviation						0%		
GraphicsMagick - Rotate						21		
(Iterations/min)								
Standard Deviation						0%		
GraphicsMagick - Sharpen						4		
Standard Deviation						0%		
GraphicsMagick - Enhanced						2		
(Iterations/min)								
Standard Deviation						0%		
GraphicsMagick - Resizing						10		
Standard Deviation						0%		
GraphicsMagick - Noise-Gaussian						3		
(Iterations/min)								
Standard Deviation						12.9%		

GraphicsMagick - HWB			12	
Color Space				
(Iterations/min)				
Standard Deviation			3.4%	
Coremark - CoreMark				6151
Size 666 - I.P.S				
(Iterations/Sec)				
Standard Deviation				0.1%
RAMspeed SMP - Copy	462.62			
- Integer (MB/s)				
Standard Deviation	0.1%			
FFTE - N.2.3.C.F.R		424.37		
(MFLOPS)				
Standard Deviation		0.4%		
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%	
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%	
PostMark - D.T.P (TPS)	216			
Standard Deviation	1.2%			
Dolfyn - C.F.D (sec)		740.55		
Standard Deviation		0.4%		
AOBench - 2048 x 2048				564.66
- Total Time (sec)				
Standard Deviation				2%

GraphicsMagick 1.3.38

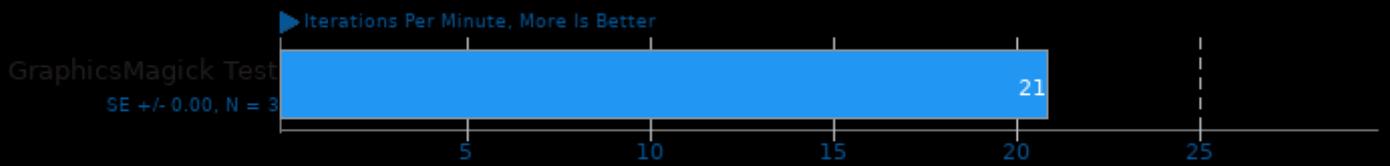
Operation: Swirl



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

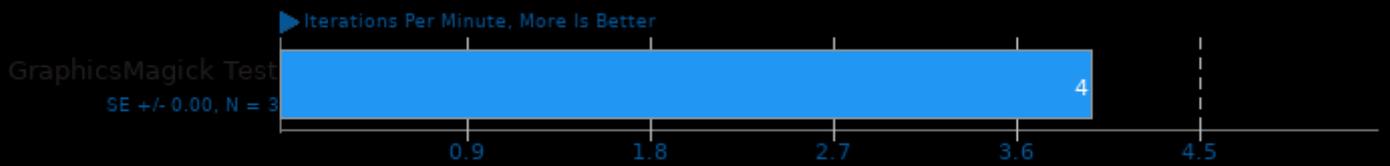
Operation: Rotate



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

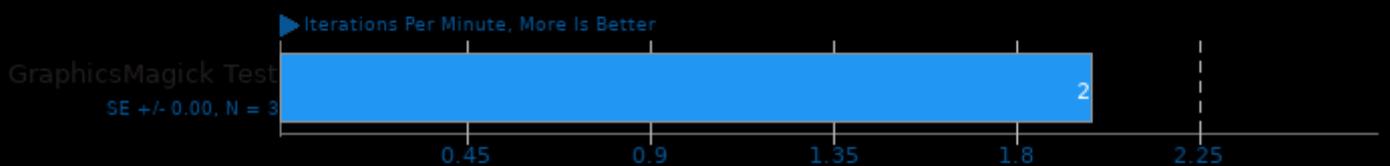
Operation: Sharpen



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

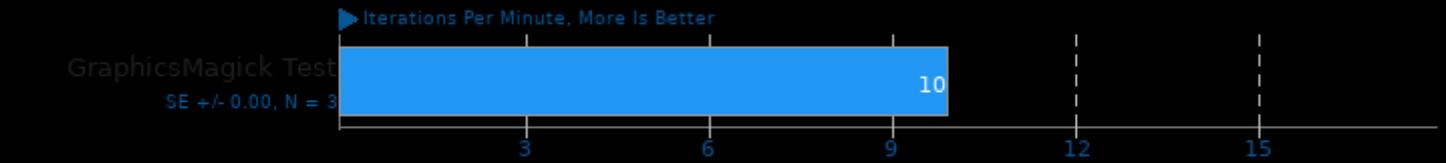
Operation: Enhanced



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

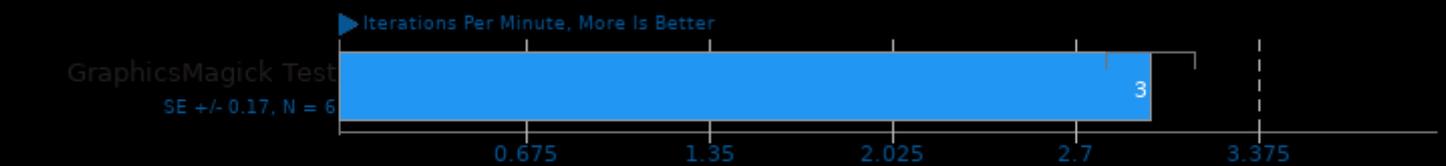
Operation: Resizing



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

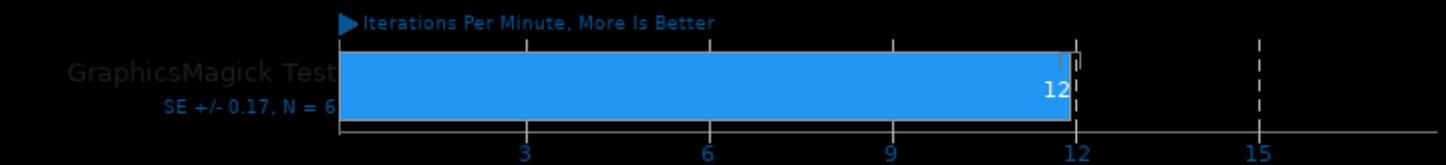
Operation: Noise-Gaussian



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

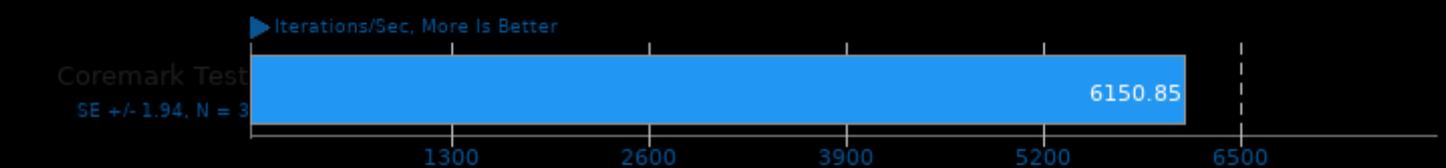
Operation: HWB Color Space



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

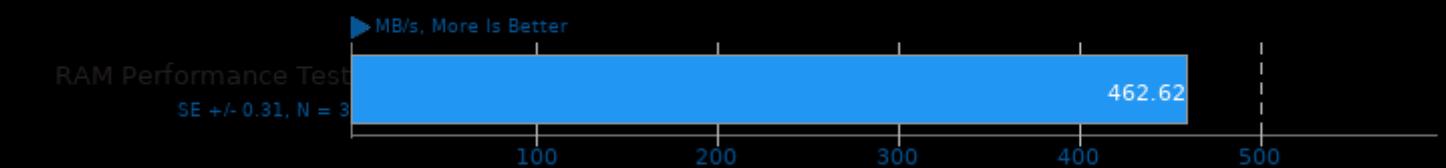
CoreMark Size 666 - Iterations Per Second



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

RAMspeed SMP 3.5.0

Type: Copy - Benchmark: Integer



FFTE 7.0

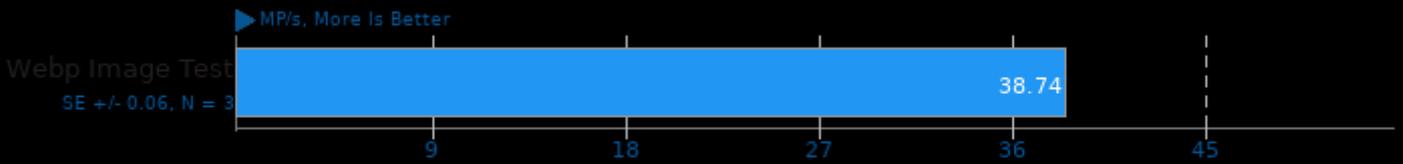
N=256, 3D Complex FFT Routine



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

WebP Image Encode 1.2.4

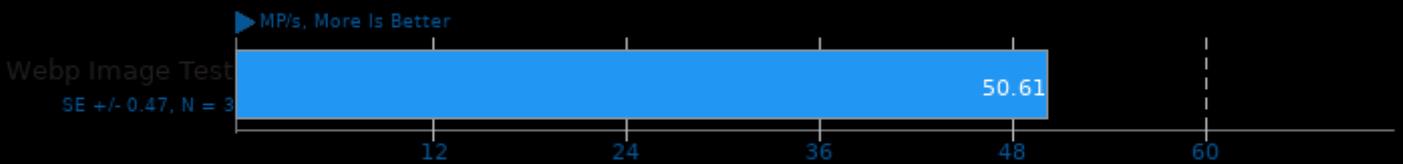
Encode Settings: Default



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

WebP Image Encode 1.2.4

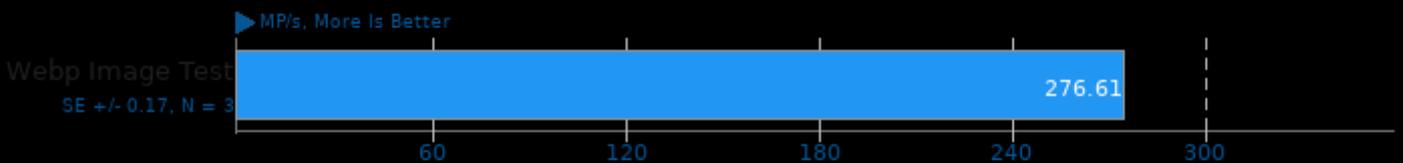
Encode Settings: Quality 100



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

WebP Image Encode 1.2.4

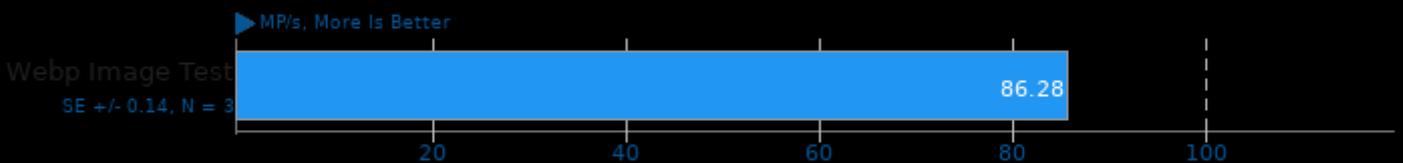
Encode Settings: Quality 100, Lossless



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

WebP Image Encode 1.2.4

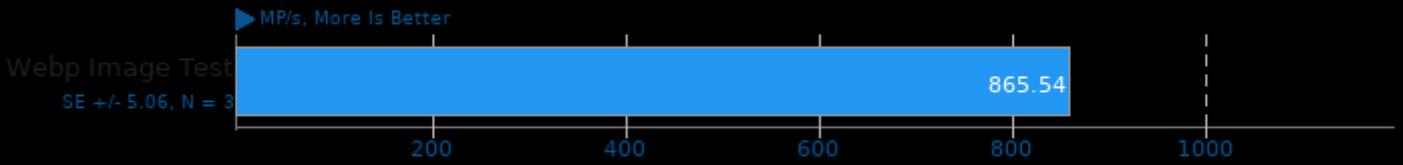
Encode Settings: Quality 100, Highest Compression



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

PostMark 1.51

Disk Transaction Performance



1. (CC) gcc options: -O3

Dolfyn 0.527

Computational Fluid Dynamics



AOBench

Size: 2048 x 2048 - Total Time



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

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