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Running pts/coremark-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

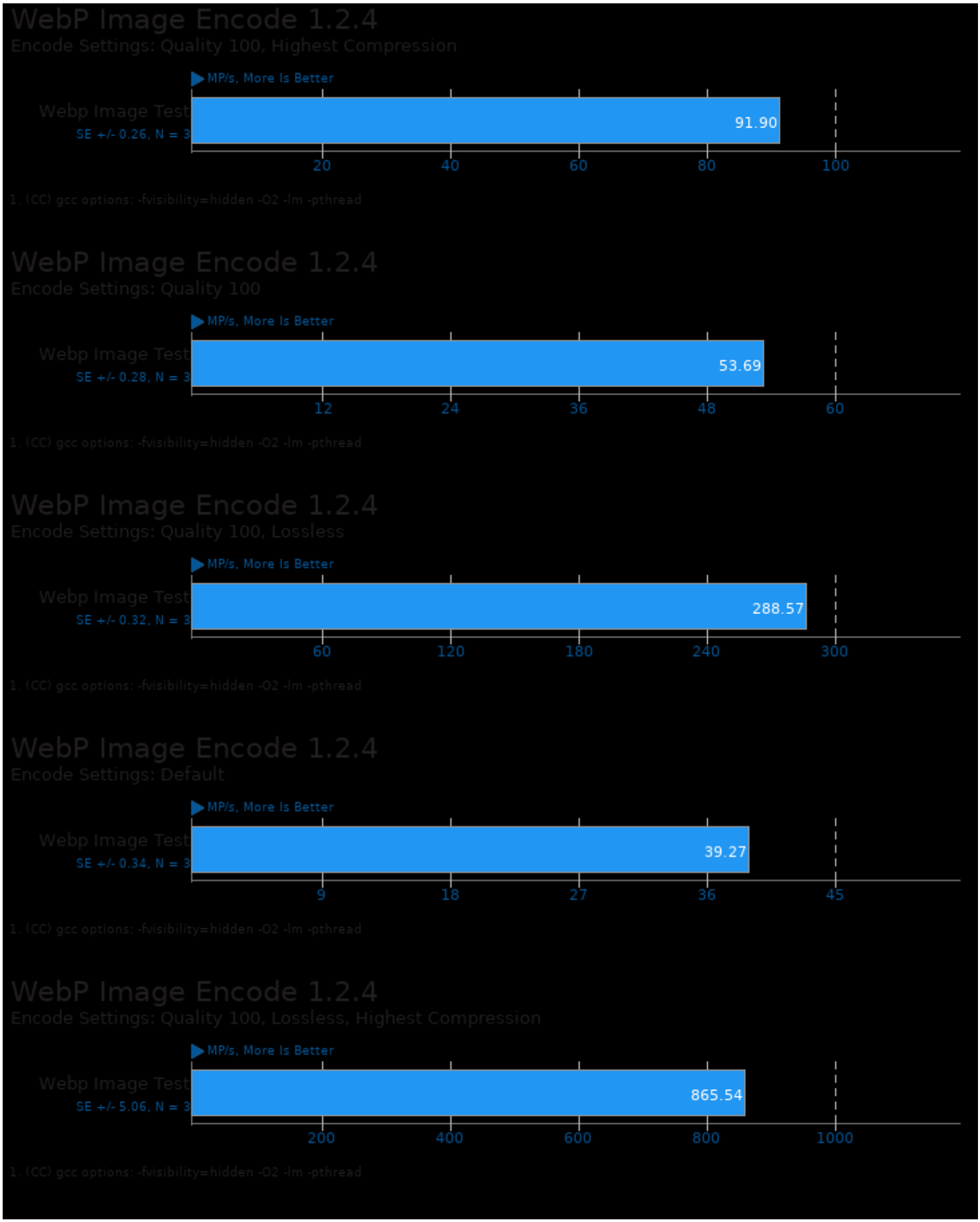
OS: Fedora 33, Kernel: 5.15.10+ (riscv64), Desktop: Xfce, Compiler: Clang 11.0.0, File-System: ext4, Screen Resolution: 1920x1080

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

	RAM Performance Test	PostMark Test	Dolfyn Test	FFTE Test	Webp Image Test	GraphicsMagick Test	Coremark Test
WebP Image Encode - Q.1.H.C (MP/s)					91.83		
Normalized					99.92%		
Standard Deviation					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 - Default (MP/s)					38.74		
Normalized					97.61%		
Standard Deviation					0.3%		
WebP Image Encode - Q.1.L.H.C (MP/s)					865.90		
Normalized					99.45%		
Standard Deviation					1.5%		
Coremark - CoreMark Size 666 - I.P.S (Iterations/Sec)							6151
Standard Deviation							0.1%
GraphicsMagick - HWB Color Space						12	
Standard Deviation						3.4%	
GraphicsMagick - Resizing (Iterations/min)						10	
Standard Deviation						0%	
GraphicsMagick - Enhanced (Iterations/min)						2	
Standard Deviation						0%	
GraphicsMagick - Sharpen (Iterations/min)						4	
Standard Deviation						0%	

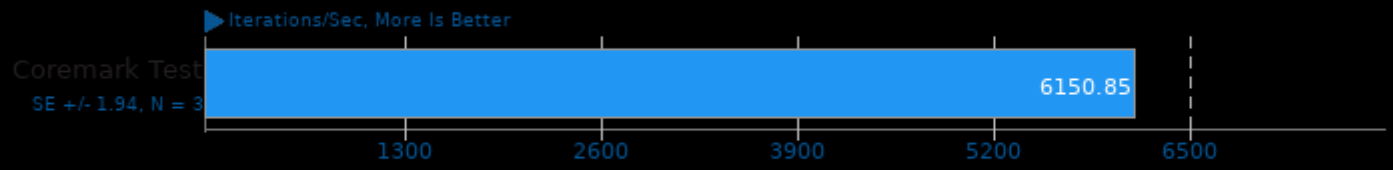
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GraphicsMagick - Rotate (Iterations/min)					21
Standard Deviation					0%
GraphicsMagick - Swirl (Iterations/min)					4
Standard Deviation					0%
FFTE - N.2.3.C.F.R (MFLOPS)				424.37	
Standard Deviation				0.4%	
Dolfyn - C.F.D (sec)			740.55		
Standard 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%				
GraphicsMagick - Noise-Gaussian (Iterations/min)					3
Standard Deviation					12.9%


WebP Image Encode 1.2.4
Encode Settings: Quality 100, Highest Compression
MP/s, More Is Better
Webp Image Test
SE +/- 0.26, N = 3
91.90
20
40
60
80
100
1. (CC) gcc options: -fvisibility=hidden -O2 -lm -pthread
WebP Image Encode 1.2.4
Encode Settings: Quality 100
MP/s, More Is Better
Webp Image Test
SE +/- 0.28, N = 3
53.69
12
24
36
48
60
1. (CC) gcc options: -fvisibility=hidden -O2 -lm -pthread
WebP Image Encode 1.2.4
Encode Settings: Quality 100, Lossless
MP/s, More Is Better
Webp Image Test
SE +/- 0.32, N = 3
288.57
60
120
180
240
300
1. (CC) gcc options: -fvisibility=hidden -O2 -lm -pthread
WebP Image Encode 1.2.4
Encode Settings: Default
MP/s, More Is Better
Webp Image Test
SE +/- 0.34, N = 3
39.27
9
18
27
36
45
1. (CC) gcc options: -fvisibility=hidden -O2 -lm -pthread
WebP Image Encode 1.2.4
Encode Settings: Quality 100, Lossless, Highest Compression
MP/s, More Is Better
Webp Image Test
SE +/- 5.06, N = 3
865.54
200
400
600
800
1000
1. (CC) gcc options: -fvisibility=hidden -O2 -lm -pthread

Coremark 1.0

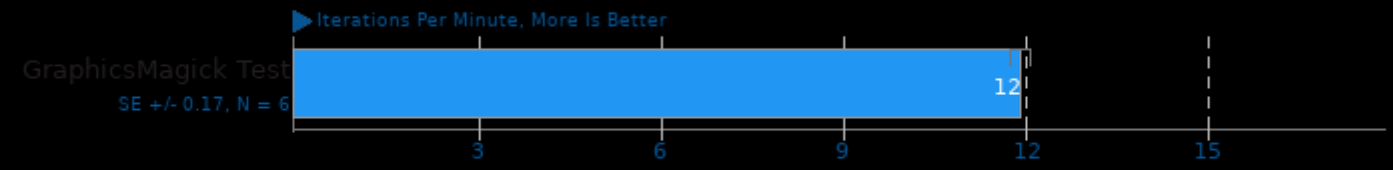
CoreMark Size 666 - Iterations Per Second



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

GraphicsMagick 1.3.38

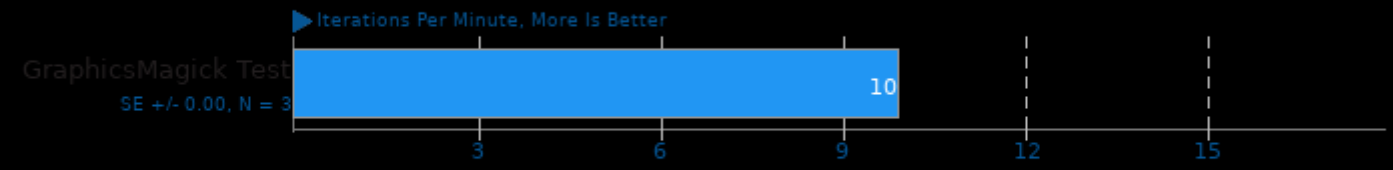
Operation: HWB Color Space



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

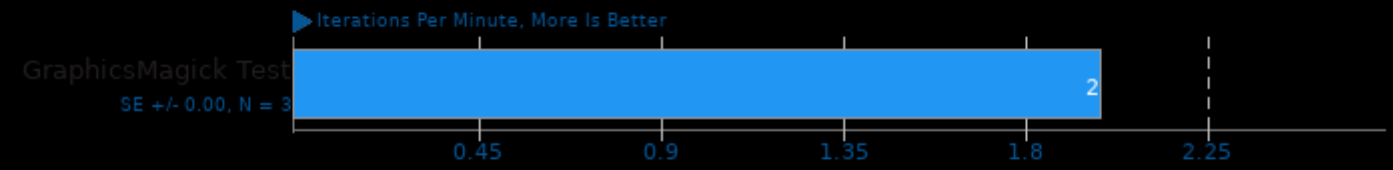
Operation: Resizing



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

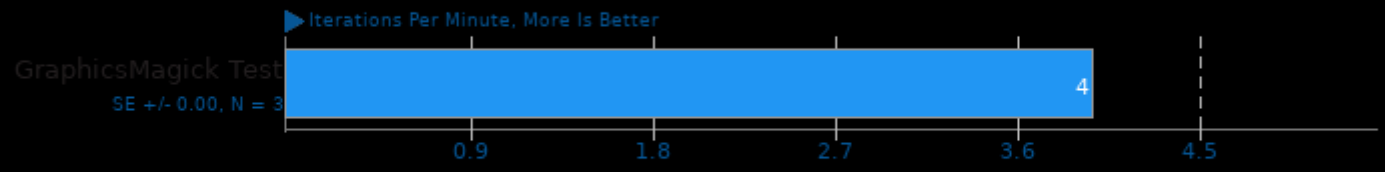
Operation: Enhanced



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

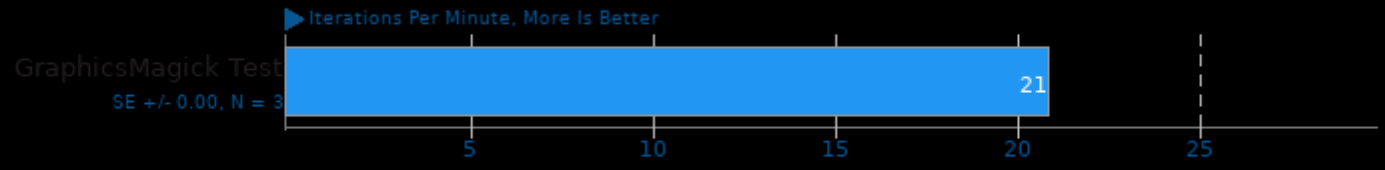
Operation: Sharpen



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

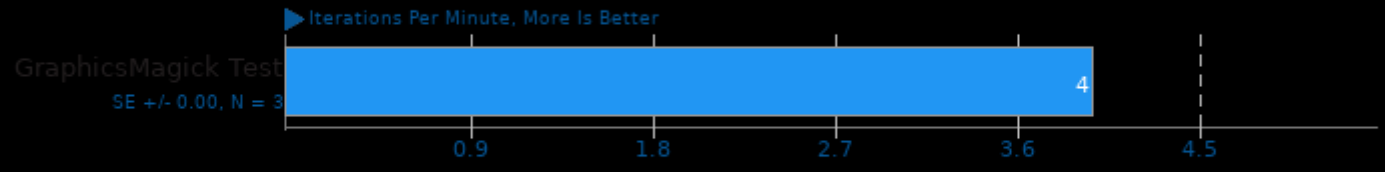
Operation: Rotate



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: Swirl



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

FFTE 7.0

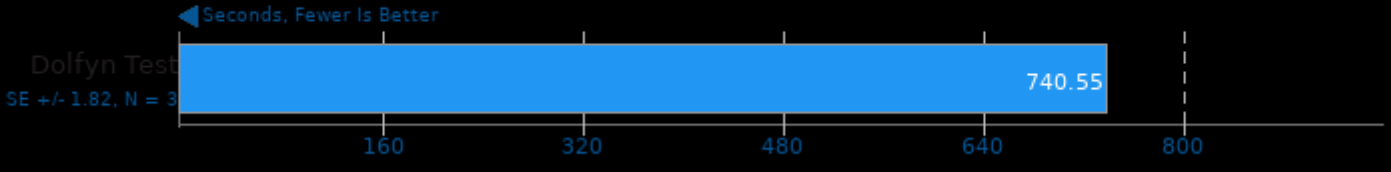
N=256, 3D Complex FFT Routine

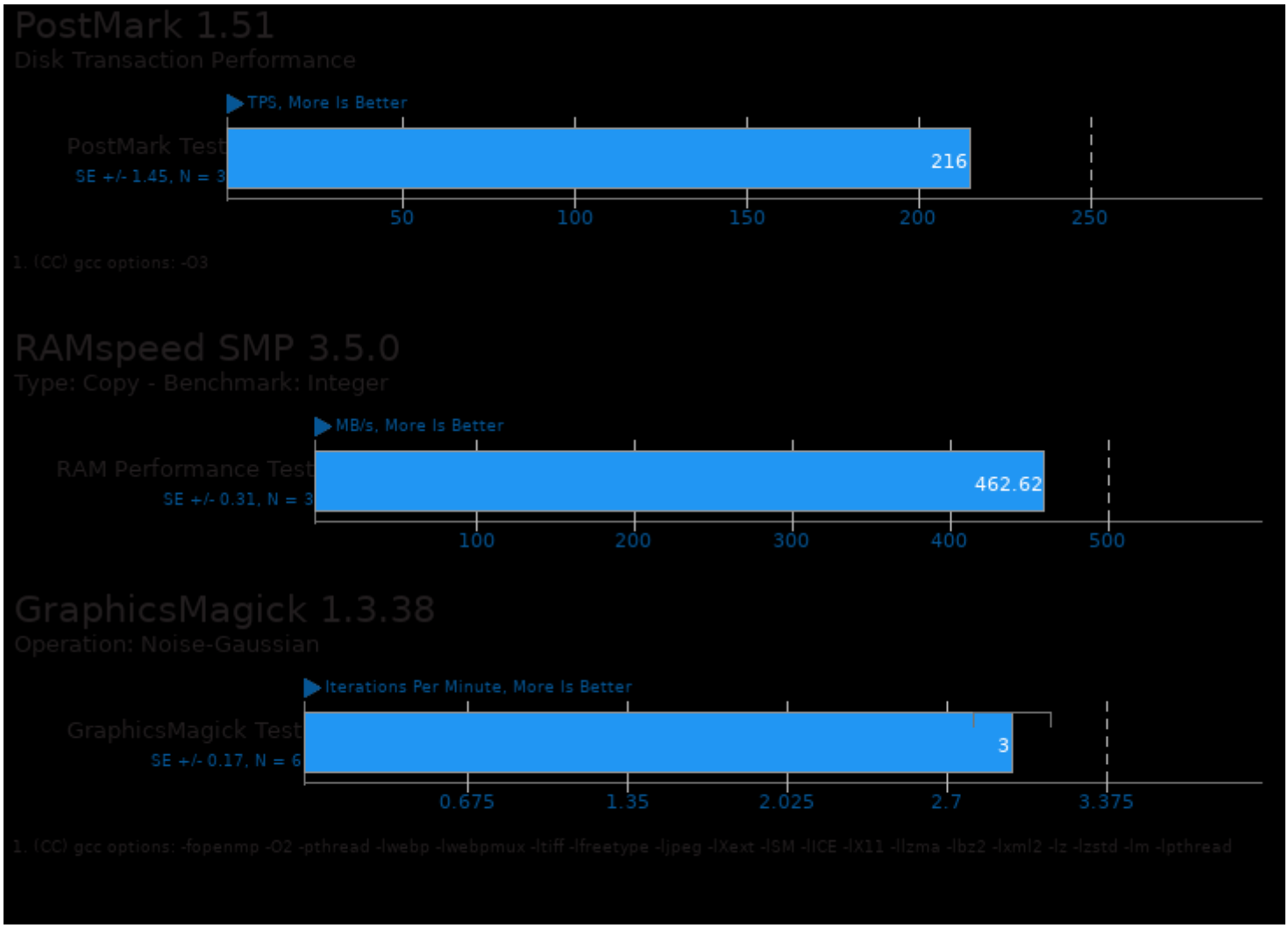


1. (F9X) gfortran options: -O3 -fomit-frame-pointer -fopenmp

Dolfyn 0.527

Computational Fluid Dynamics





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