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# kam

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

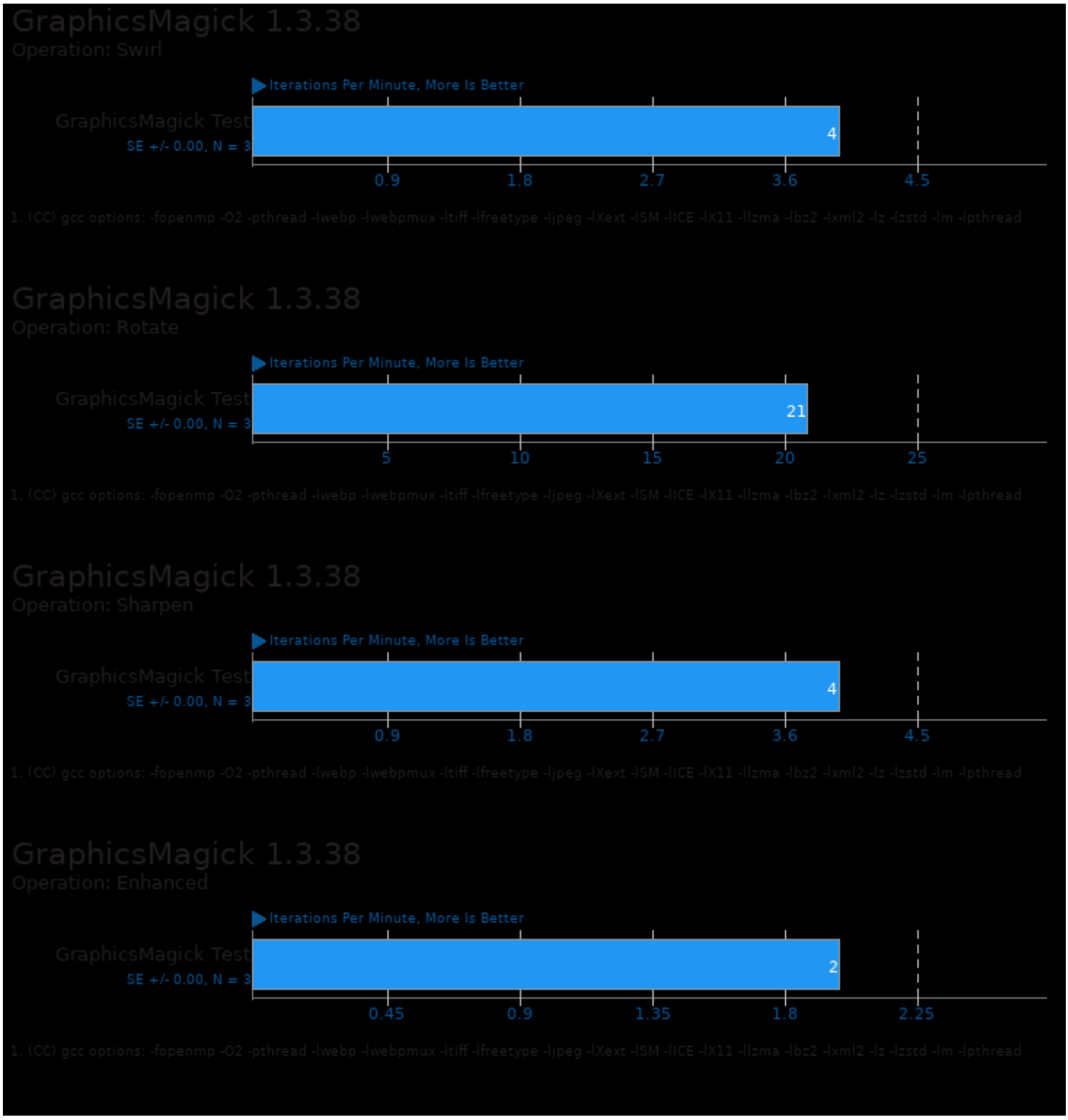
OS: Fedora 33, Kernel: 5.15.10+ (riscv64), Desktop: Xfce, Compiler: Clang 11.0.0, File-System: ext4, Screen Resolution: 1920x1080

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 |
|---|---|---|---|---|---|---|---|
| **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** | | | | | | 12 | |
| **Standard Deviation** | | | | | | 3.4% | |
| **Coremark - CoreMark Size 666 - I.P.S (Iterations/Sec)** | | | | | | | 6151 |
| **Standard Deviation** | | | | | | | 0.1% |
| **RAMspeed SMP - Copy - Integer (MB/s)** | 462.62 | | | | | | |
| **Standard Deviation** | 0.1% | | | | | | |
| **FFTE - N.2.3.C.F.R (MFLOPS)** | | | | 424.37 | | | |
| **Standard Deviation** | | | | 0.4% | | | |
| **WebP Image Encode - Default (MP/s)** | | | | | **39.27** | | |
| **Normalized** | | | | | 98.94% | | |
| **Standard Deviation** | | | | | 1.5% | | |

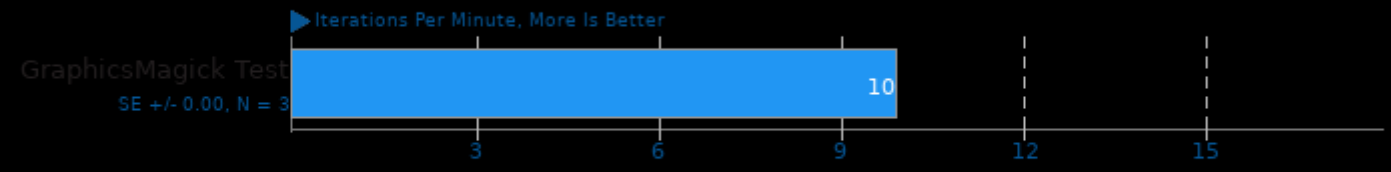
# kam

| | | | |
|---|---|---|---|
| **WebP Image Encode - Quality 100 (MP/s)** | | | **53.69** |
| **Normalized** | | | 100% |
| **Standard Deviation** | | | 0.9% |
| **WebP Image Encode - Q.1.L (MP/s)** | | | **288.57** |
| **Normalized** | | | 100% |
| **Standard Deviation** | | | 0.2% |
| **WebP Image Encode - Q.1.H.C (MP/s)** | | | **91.90** |
| **Normalized** | | | 100% |
| **Standard Deviation** | | | 0.5% |
| **WebP Image Encode - Q.1.L.H.C (MP/s)** | | | **865.54** |
| **Normalized** | | | 99.41% |
| **Standard Deviation** | | | 1% |
| **PostMark - D.T.P (TPS)** | 216 | | |
| **Standard Deviation** | 1.2% | | |
| **Dolfyn - C.F.D (sec)** | | 740.55 | |
| **Standard Deviation** | | 0.4% | |


GraphicsMagick 1.3.38
Operation: Swirl
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: 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: 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

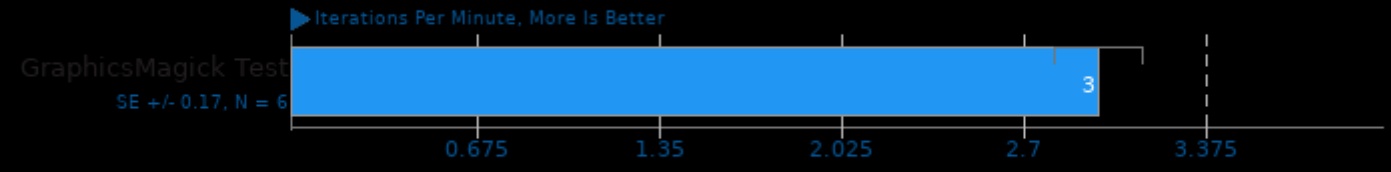
Operation: Resizing




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

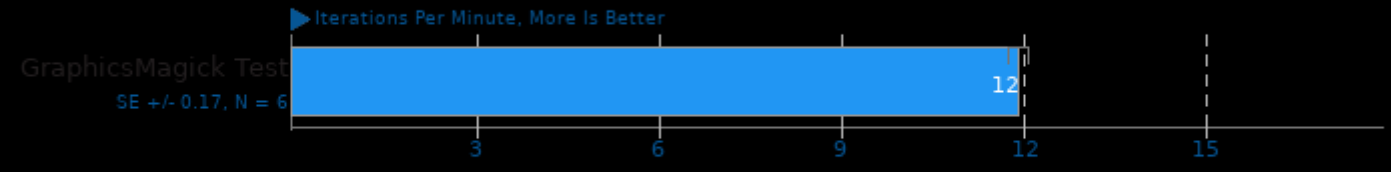
Operation: Noise-Gaussian




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

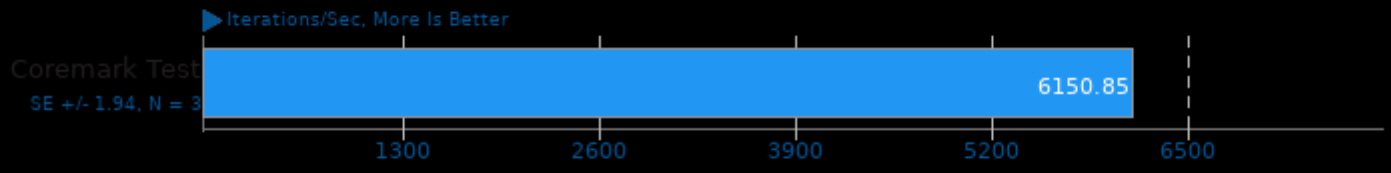
Operation: HWB Color Space




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

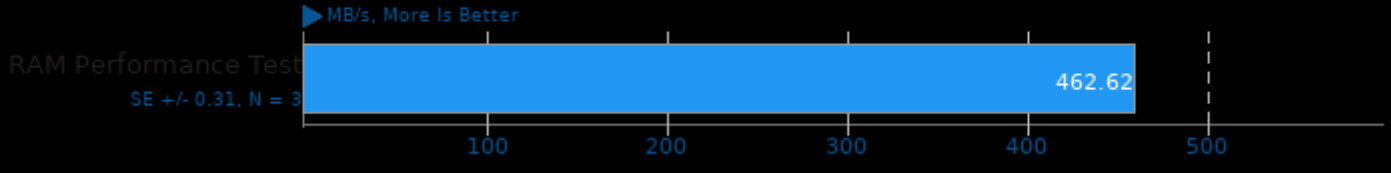
CoreMark Size 666 - Iterations Per Second




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

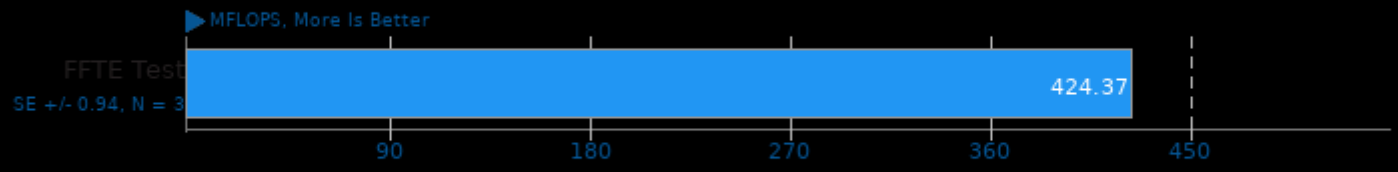
## RAMspeed SMP 3.5.0

Type: Copy - Benchmark: Integer



## FFTE 7.0

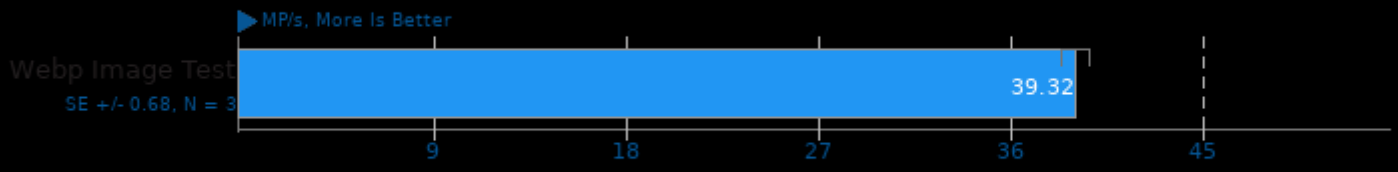
N=256, 3D Complex FFT Routine




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

## WebP Image Encode 1.2.4

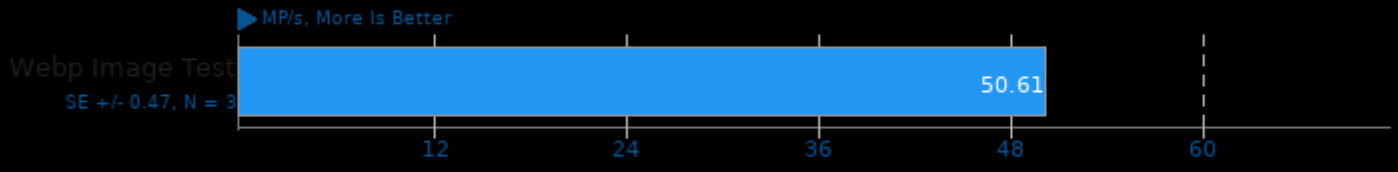
Encode Settings: Default




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

## WebP Image Encode 1.2.4

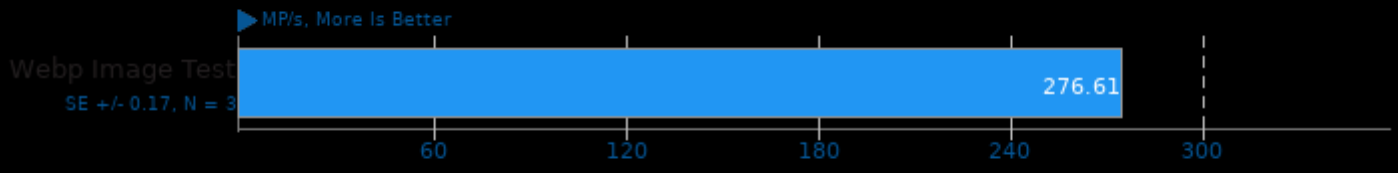
Encode Settings: Quality 100




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

## WebP Image Encode 1.2.4

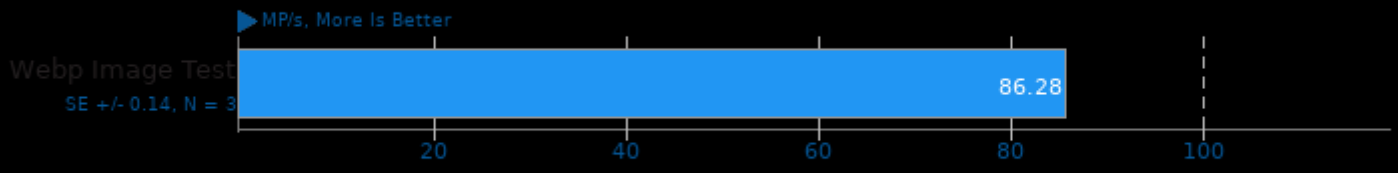
Encode Settings: Quality 100, Lossless



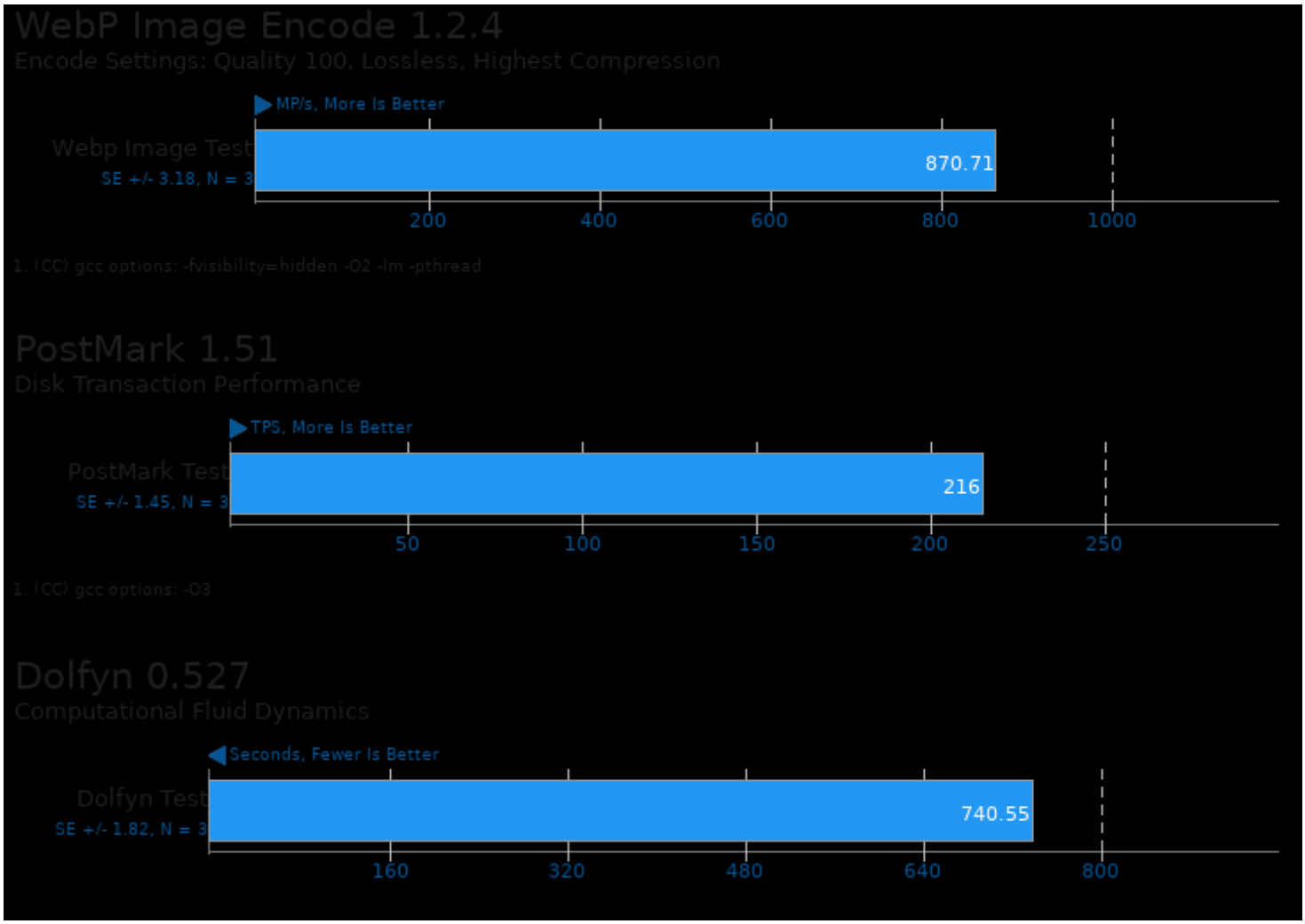

1. (CC) gcc options: -fvisibility=hidden -O2 -lm -pthread

## WebP Image Encode 1.2.4

Encode Settings: Quality 100, Highest Compression




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




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