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tickless-workstation

Intel Core i7-2670QM testing with a ZaReason STRATA and NVIDIA GeForce GT 540M 1024MB on Fedora 27 via the Phoronix Test Suite.

Test Systems:

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Processor: Intel Core i7-2670QM @ 3.10GHz (8 Cores), Motherboard: ZaReason STRATA, Chipset: Intel 2nd Generation Core Family DRAM, Memory: 2 x 4096 MB DDR3-1333MT/s SUPERTALENT02, Disk: 500GB Seagate ST500LM000-1EJ16, Graphics: NVIDIA GeForce GT 540M 1024MB, Audio: Realtek ALC259, Network: Realtek RTL8111/8168/8411 + Intel Centrino Wireless-N 1030

OS: Fedora 27, Kernel: 4.13.9-300.fc27.x86_64 (x86_64), Desktop: GNOME Shell 3.26.1, Display Server: X Server 1.19.5, Display Driver: modesetting 1.19.5, Compiler: GCC 7.2.1 20170915, File-System: ext4, Screen Resolution: 1366x768

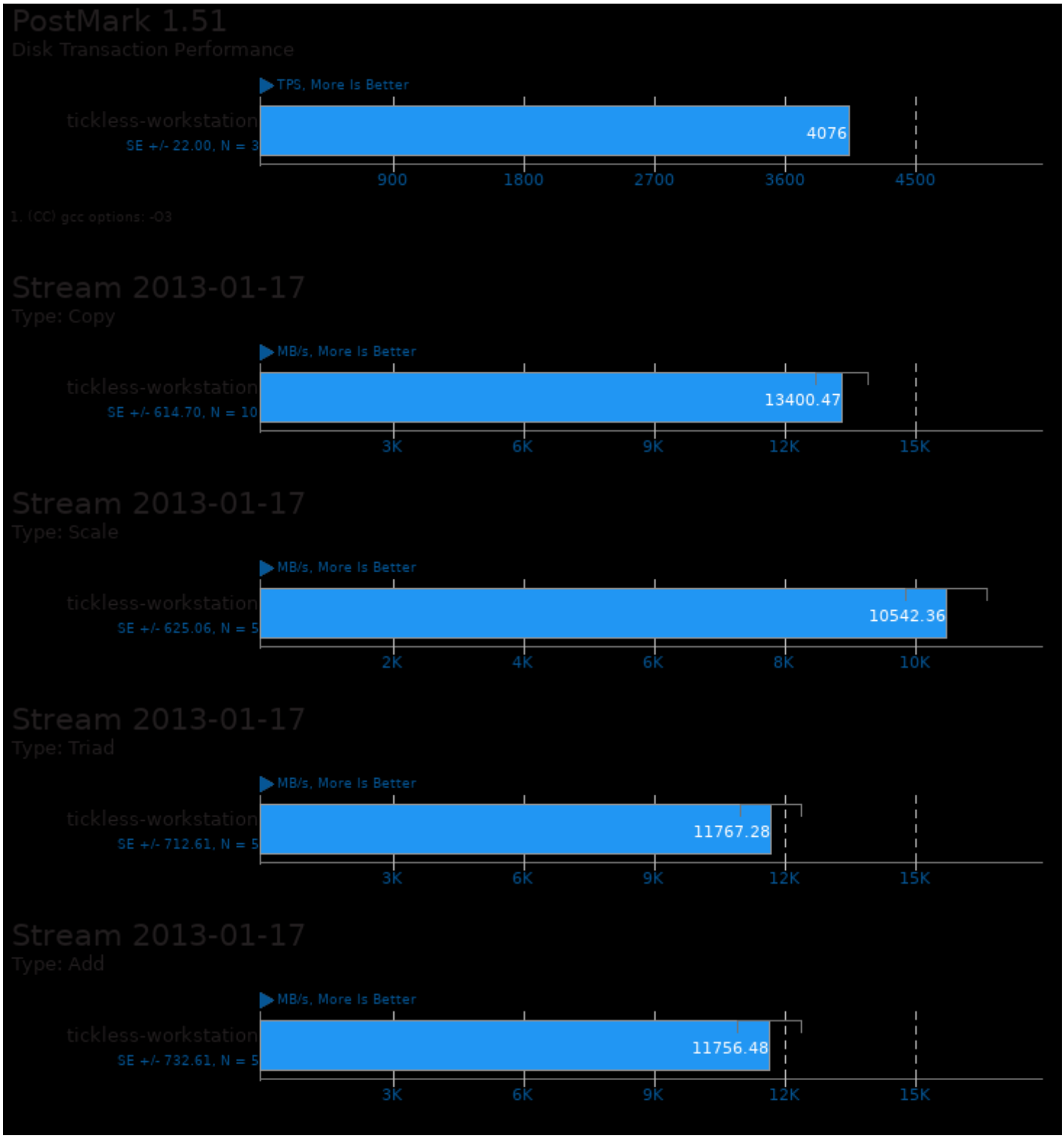
Compiler Notes: --build=x86_64-redhat-linux --disable-libunwind-exceptions --enable-__cxa_atexit --enable-bootstrap --enable-checking=release --enable-gnu-indirect-function --enable-gnu-unique-object --enable-initfini-array --enable-languages=c,c++,objc,obj-c++,fortran,ada,go,lto --enable-libmpx --enable-multilib

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--enable-offload-targets=nvptx-none --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-arch_32=i686 --with-gcc-major-version-only --with-isl --with-linker-hash-style=gnu --with-tune=generic --without-cuda-driver
Disk Notes: CFQ / data=ordered,relatime,rw,seclabel
Processor Notes: Scaling Governor: intel_pstate powersave
System Notes: SELinux: Enabled.

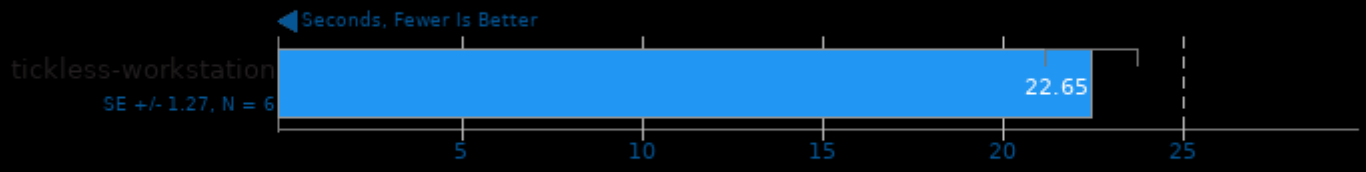
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PostMark - D.T.P (TPS)	4076
Standard Deviation	0.9%
Stream - Copy (MB/s)	13400
Standard Deviation	14.5%
Stream - Scale (MB/s)	10542
Standard Deviation	13.3%
Stream - Triad (MB/s)	11767
Standard Deviation	13.5%
Stream - Add (MB/s)	11756
Standard Deviation	13.9%
Timed HMMer Search - P.D.S (sec)	22.65
Standard Deviation	13.7%
John The Ripper - Blowfish (Real C/S)	2237
Standard Deviation	2.1%
GraphicsMagick - HWB Color Space (Iterations/min)	123
Standard Deviation	6.6%
Himeno Benchmark - P.P.S (MFLOPS)	1179
Standard Deviation	1.7%
C-Ray - Total Time (sec)	72.88
Standard Deviation	3%
Parallel BZIP2 Compression - 2.F.C (sec)	21.54
Standard Deviation	0.9%
Bullet Physics Engine - 3000 Fall (sec)	7.68
Standard Deviation	12.4%
Bullet Physics Engine - Convex Trimesh (sec)	2.03
Standard Deviation	13.9%
LZMA Compression - 2.F.C (sec)	424.37
Standard Deviation	2.6%
Crafty - Elapsed Time (sec)	106.27
Standard Deviation	5.7%
LAME MP3 Encoding - WAV To MP3 (sec)	15.80
Standard Deviation	10.2%
FFmpeg - H.2.H.T.N.D (sec)	13.93
Standard Deviation	8.3%
OpenSSL - R.4.b.P (Signs/sec)	246.98
Standard Deviation	15.8%
PHPBench - P.B.S (Score)	293821
Standard Deviation	2.8%

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Timed HMMer Search 2.3.2

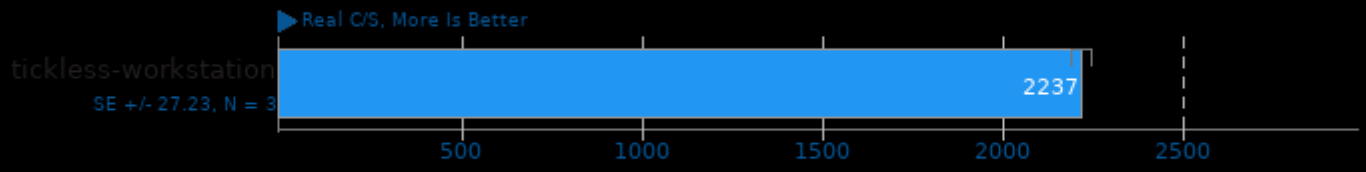
Pfam Database Search



1. (CC) gcc options: -O2 -pthread -lhmmer -lsquid -lm

John The Ripper 1.8.0

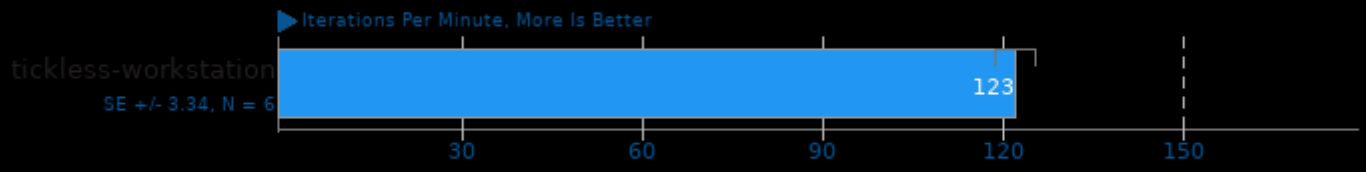
Blowfish



1. (CC) gcc options: -fopenmp -lcrypt

GraphicsMagick 1.3.19

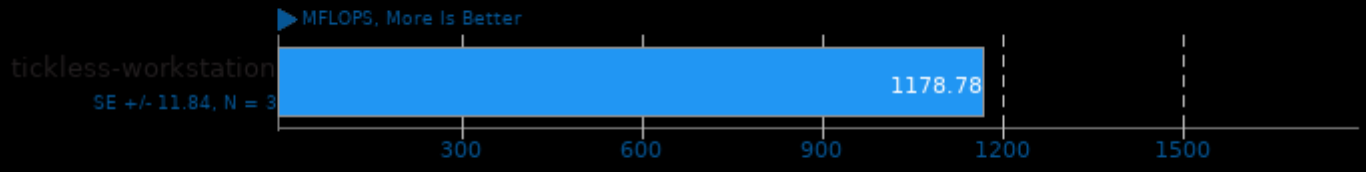
Operation: HWB Color Space



1. (CC) gcc options: -fopenmp -O2 -pthread -lXext -lX11 -lz -lm -lgomp -lpthread

Himeno Benchmark 3.0

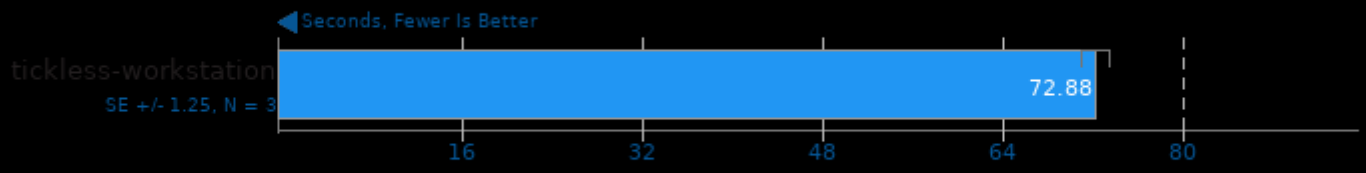
Poisson Pressure Solver



1. (CC) gcc options: -O3

C-Ray 1.1

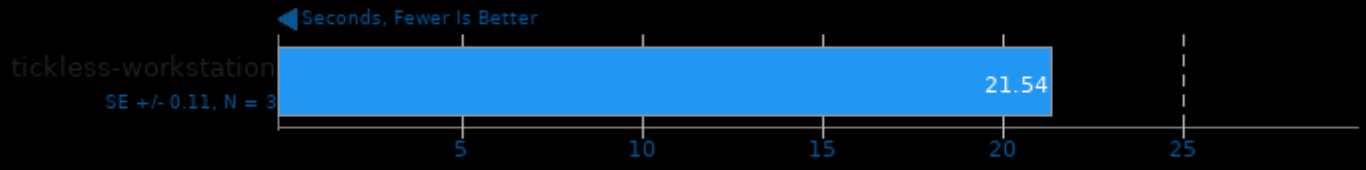
Total Time



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

Parallel BZIP2 Compression 1.1.12

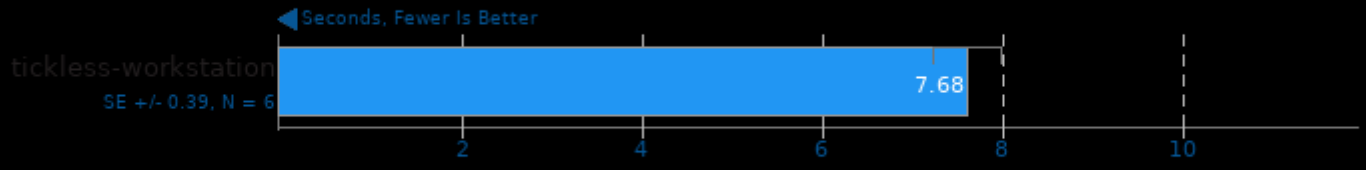
256MB File Compression



1. (CXX) g++ options: -O2 -pthread -lbz2 -lpthread

Bullet Physics Engine 2.81

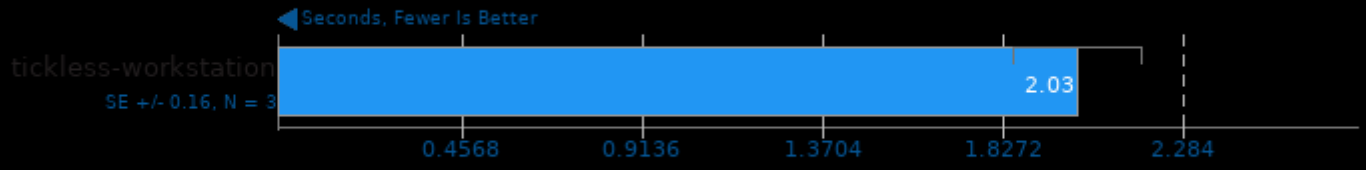
Test: 3000 Fall



1. (CXX) g++ options: -O2 -rdynamic -lglut -lGL -lGLU

Bullet Physics Engine 2.81

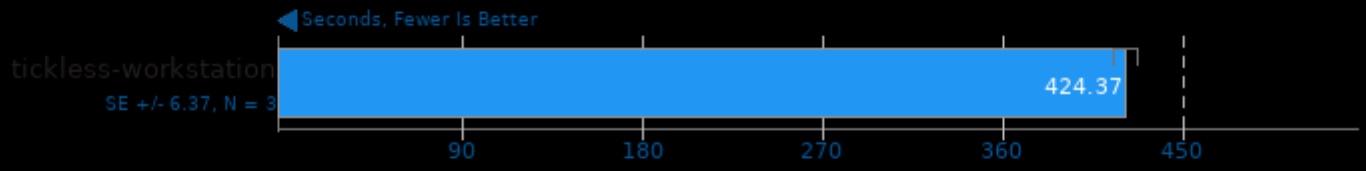
Test: Convex Trimesh



1. (CXX) g++ options: -O2 -rdynamic -lglut -lGL -lGLU

LZMA Compression

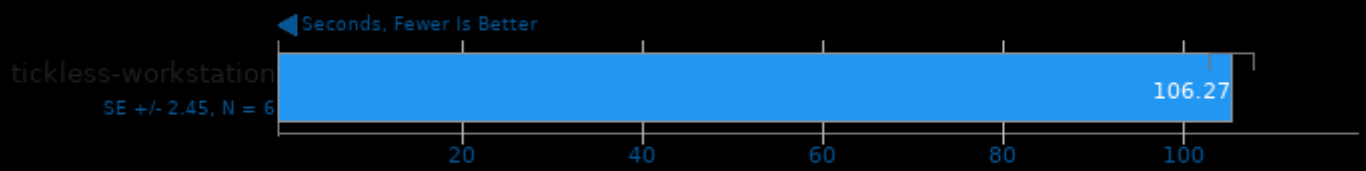
256MB File Compression



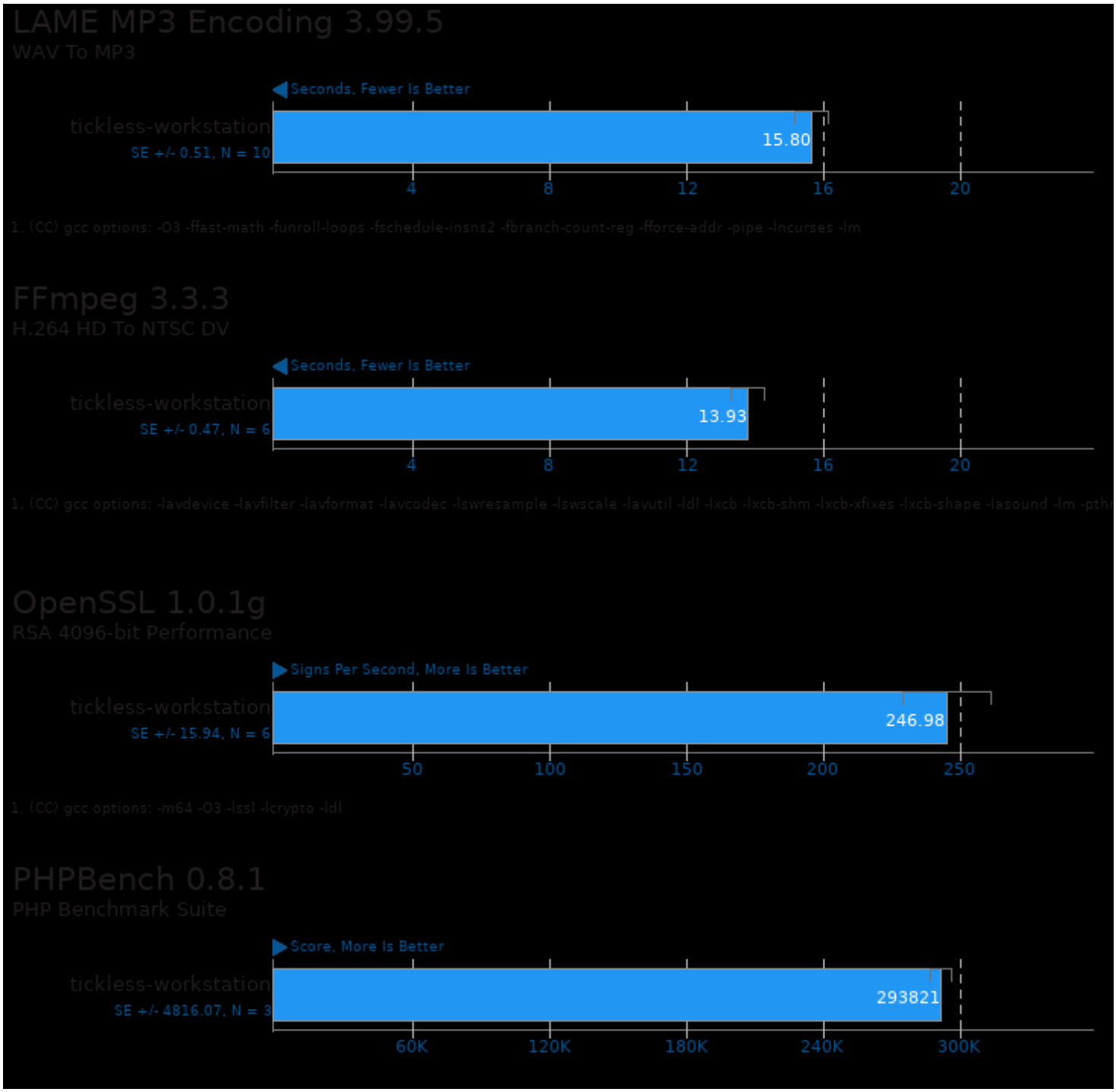
1. (CXX) g++ options: -O2

Crafty 23.4

Elapsed Time



1. (CC) gcc options: -lstdc++ -lm



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