



K_result_ptscpu_20160901

K_des_ptscpu_20160901

Test Systems:

K_des_ptscpu_20160901

Processor: Intel Xeon E5-2650 v3 @ 2.29GHz (2 Cores), Motherboard: Red Hat KVM, Chipset: Intel 440FX- 82441FX PMC, Memory: 1 x 4096 MB RAM, Disk: 20GB, Graphics: Cirrus Logic GD 5446, Network: Red Hat Virtio device

OS: CentOS 6.5, Kernel: 2.6.32-431.29.2.el6.x86_64 (x86_64), Compiler: GCC 4.4.7 20120313, File-System: ext4

Compiler Notes: --build=x86_64-redhat-linux --disable-dssi --disable-libjava-multilib --disable-libunwind-exceptions --enable-__cxa_atexit --enable-bootstrap --enable-checking=release --enable-gnu-unique-object --enable-java-awt=gtk --enable-java-maintainer-mode --enable-languages=c,c++,objc,obj-c++,java,fortran,ada --enable-libgcj-multifile --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-arch_32=i686 --with-cloog --with-ppl --with-tune=generic

K_des_ptscpu_20160901

CLOMP - Static OMP Speedup (Speedup) 1.79
 Standard Deviation 1.3%
Dolfyn - C.F.D (sec) 41.20
 Standard Deviation 1.6%
FFTE - N.6.1.C.F.R (MFLOPS) 3777
 Standard Deviation 1.6%
FFTW - Stock - 1D FFT Size 32 (Mflops) 4582
 Standard Deviation 6.4%
FFTW - Stock - 1D FFT Size 64 (Mflops) 4708
 Standard Deviation 0.2%
FFTW - Stock - 2D FFT Size 32 (Mflops) 4758
 Standard Deviation 3.5%
FFTW - Stock - 2D FFT Size 64 (Mflops) 4142
 Standard Deviation 0.5%
FFTW - Stock - 1D FFT Size 128 (Mflops) 4322
 Standard Deviation 0.7%
FFTW - Stock - 1D FFT Size 256 (Mflops) 4106
 Standard Deviation 0.5%
FFTW - Stock - 1D FFT Size 512 (Mflops) 4084
 Standard Deviation 1.8%
FFTW - Stock - 2D FFT Size 128 (Mflops) 3648
 Standard Deviation 2.3%
FFTW - Stock - 2D FFT Size 256 (Mflops) 3476
 Standard Deviation 3.4%
FFTW - Stock - 2D FFT Size 512 (Mflops) 3458
 Standard Deviation 0.5%
FFTW - Stock - 1D FFT Size 1024 (Mflops) 4026
 Standard Deviation 0.6%
FFTW - Stock - 1D FFT Size 2048 (Mflops) 3790
 Standard Deviation 0.3%
FFTW - Stock - 1D FFT Size 4096 (Mflops) 3693
 Standard Deviation 0.6%
FFTW - Stock - 2D FFT Size 1024 (Mflops) 2964
 Standard Deviation 3.4%
FFTW - Stock - 2D FFT Size 2048 (Mflops) 2784
 Standard Deviation 3.4%
FFTW - Stock - 2D FFT Size 4096 (Mflops) 2684
 Standard Deviation 1.3%
FFTW - Float + SSE - 1D FFT Size 32 (Mflops) 6261
 Standard Deviation 3.5%
FFTW - Float + SSE - 1D FFT Size 64 (Mflops) 8296
 Standard Deviation 3%
FFTW - Float + SSE - 2D FFT Size 32 (Mflops) 14439
 Standard Deviation 1%
FFTW - Float + SSE - 2D FFT Size 64 (Mflops) 13955
 Standard Deviation 4%
FFTW - Float + SSE - 1D FFT Size 128 (Mflops) 10587
 Standard Deviation 3.8%
FFTW - Float + SSE - 1D FFT Size 256 (Mflops) 13248
 Standard Deviation 2.9%
FFTW - Float + SSE - 1D FFT Size 512 (Mflops) 14585
 Standard Deviation 1.2%

FFTW - Float + SSE - 2D FFT Size 128 (Mflops)	11395
Standard Deviation	1.2%
FFTW - Float + SSE - 2D FFT Size 256 (Mflops)	10776
Standard Deviation	1.1%
FFTW - Float + SSE - 2D FFT Size 512 (Mflops)	11083
Standard Deviation	0.8%
FFTW - Float + SSE - 1D FFT Size 1024 (Mflops)	15005
Standard Deviation	3.4%
FFTW - Float + SSE - 1D FFT Size 2048 (Mflops)	14485
Standard Deviation	0.8%
FFTW - Float + SSE - 1D FFT Size 4096 (Mflops)	13460
Standard Deviation	0.9%
FFTW - Float + SSE - 2D FFT Size 1024 (Mflops)	9250
Standard Deviation	3.2%
FFTW - Float + SSE - 2D FFT Size 2048 (Mflops)	7904
Standard Deviation	4.1%
FFTW - Float + SSE - 2D FFT Size 4096 (Mflops)	7180
Standard Deviation	5.7%
Timed HMMer Search - P.D.S (sec)	41.23
Standard Deviation	1.1%
Timed MAFFT Alignment - M.S.A (sec)	17.77
Standard Deviation	0.5%
Timed MrBayes Analysis - P.P.A (sec)	37.14
Standard Deviation	0.7%
NoiseLevel - P.T.S.v.4.0 (Activity Level)	17225355
BLAKE2 - P.T.S.v.4.0 (Cycles/Byte)	5.91
Standard Deviation	3.6%
Fhourstones - C.C.4.S (Kpos / sec)	7396
Standard Deviation	1%
BYTE Unix Benchmark - Dhrystone 2 (LPS)	19306539
Standard Deviation	2%
BYTE Unix Benchmark - Integer Arithmetic (LPS)	2203807
Standard Deviation	0.6%
BYTE Unix Benchmark - R.A (LPS)	2198725
Standard Deviation	0.8%
BYTE Unix Benchmark - F.P.A (LPS)	3202483
Standard Deviation	0.2%
SciMark - Composite (Mflops)	794.84
Standard Deviation	0.8%
SciMark - Monte Carlo (Mflops)	202.40
Standard Deviation	0.2%
SciMark - F.F.T (Mflops)	197.04
Standard Deviation	2.8%
SciMark - S.M.M (Mflops)	1385
Standard Deviation	1%
SciMark - D.L.M.F (Mflops)	1512
Standard Deviation	1.3%
SciMark - J.S.O.R (Mflops)	677.54
Standard Deviation	0.2%
Gcrypt Library - C.E.C (us)	3323
Standard Deviation	1.7%
TSCP - A.C.P (Nodes/s)	720171
Standard Deviation	1.8%

John The Ripper - Blowfish (Real C/S) 1263
Standard Deviation 0.3%

John The Ripper - Traditional DES (Real C/S) 5859000
Standard Deviation 0.7%

John The Ripper - MD5 (Real C/S) 21884
Standard Deviation 0.3%

VP8 libvpx Encoding - vpxenc (FPS) 26.35
Standard Deviation 1.8%

x264 - H.2.V.E (FPS) 45.14
Standard Deviation 2.5%

x264 OpenCL - H.2.V.E (FPS) 44.61
Standard Deviation 1.5%

7-Zip Compression - C.S.T (MIPS) 4815
Standard Deviation 0.7%

ebizzy - P.T.S.v.4.0 (Records/s) 7474
Standard Deviation 4.6%

Timed ImageMagick Compilation - Time To Compile (sec) 133.83
Standard Deviation 0.8%

Timed Linux Kernel Compilation - Time To Compile (sec) 420.59
Standard Deviation 2%

Timed MPlayer Compilation - Time To Compile (sec) 126.33
Standard Deviation 1.8%

Timed PHP Compilation - Time To Compile (sec) 75.54
Standard Deviation 0.4%

C-Ray - Total Time (sec) 138.56
Standard Deviation 0.3%

Parallel BZIP2 Compression - 2.F.C (sec) 41.48
Standard Deviation 1.3%

Primesieve - 1.P.N.G (sec) 295.33
Standard Deviation 0%

Smallpt - G.I.R.1.S (sec) 327
Standard Deviation 0.2%

Stockfish - Total Time (ms) 6444
Standard Deviation 1.6%

Gzip Compression - 2.F.C (sec) 19.86
Standard Deviation 2%

LZMA Compression - 2.F.C (sec) 535.32
Standard Deviation 1.5%

Crafty - Elapsed Time (sec) 122.95
Standard Deviation 0.9%

dcraw - R.T.P.I.C (sec) 84.76
Standard Deviation 0.8%

FFmpeg - H.2.H.T.N.D (sec) 28.01
Standard Deviation 0.3%

GnuPG - 1.F.E (sec) 13.15
Standard Deviation 0.8%

Mencoder - AVI To LAVC (sec) 35.71
Standard Deviation 1.5%

Sample Pi Program - P.T.S.v.4.0 (sec) 5.55
Standard Deviation 1.8%

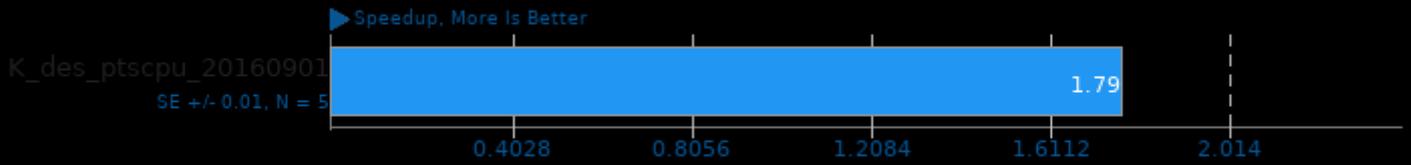
Sudokut - Total Time (sec) 39.96
Standard Deviation 0%

System BZIP2 Decompression - P.T.S.v.4.0 (sec) 19.52

	Standard Deviation	3.9%
System XZ Decompression - P.T.S.v.4.0 (sec)		7.55
	Standard Deviation	0.5%
System Libtiff Decompression - P.T.S.v.4.0 (ms)		5.62
	Standard Deviation	34.7%
System JPEG Library Decode - Float (ms)		1.87
	Standard Deviation	23.2%
System JPEG Library Decode - Integer (ms)		1.74
	Standard Deviation	6.1%
System JPEG Library Decode - Fast Integer (ms)		1.81
	Standard Deviation	11.8%
System Libxml2 Parsing - 2 MB (ms)		2968
	Standard Deviation	4.5%
System Libxml2 Parsing - 3 MB (ms)		4306
	Standard Deviation	3.8%
System Libxml2 Parsing - 112 MB (ms)		128848
	Standard Deviation	0.2%
Perl Benchmarks - Pod2html (seconds)		0.27330299
	Standard Deviation	0.8%
Perl Benchmarks - Interpreter (seconds)		0.00147764
	Standard Deviation	0.5%

CLOMP 3.3

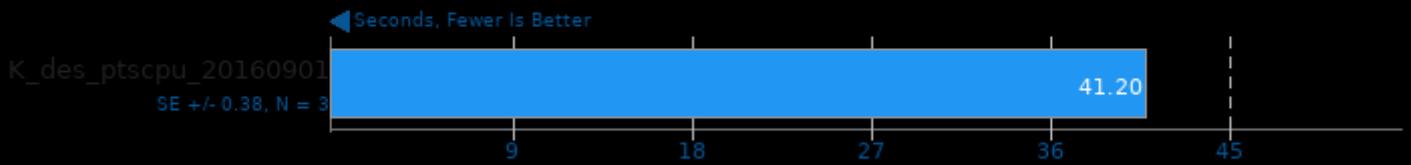
Static OMP Speedup



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

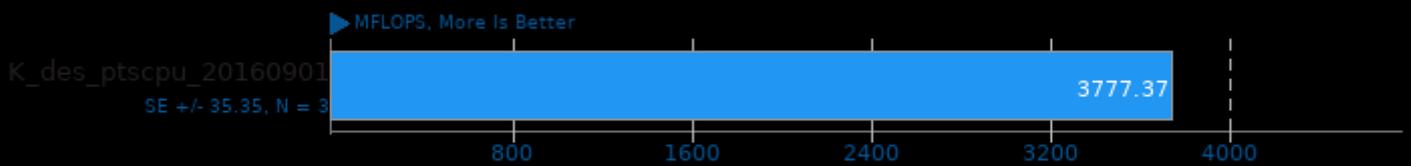
Dolfyn 0.527

Computational Fluid Dynamics



FFTE 5.0

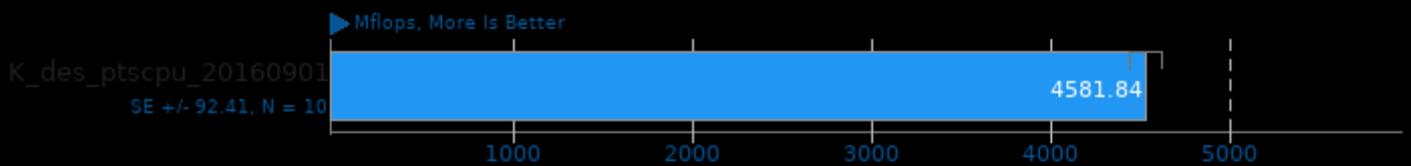
Test: N=64, 1D Complex FFT Routine



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

FFTW 3.3.4

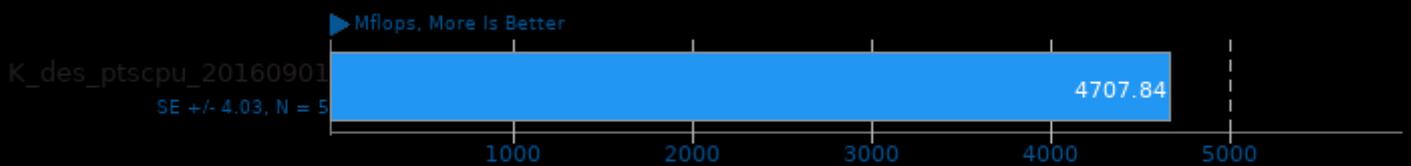
Build: Stock - Size: 1D FFT Size 32



1. (CC) gcc options: -std=gnu99 -O3 -fomit-frame-pointer -mtune=native -malign-double -fstrict-aliasing -fno-schedule-insns -ffast-math -lm

FFTW 3.3.4

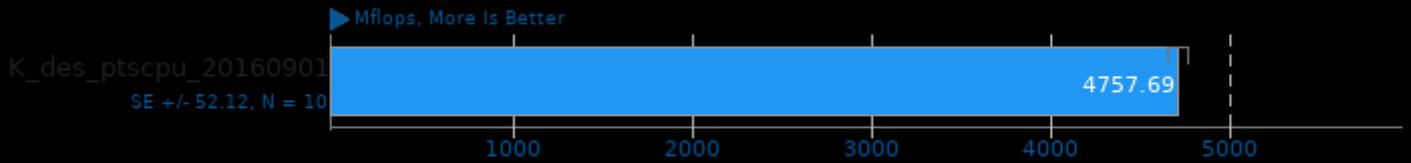
Build: Stock - Size: 1D FFT Size 64



1. (CC) gcc options: -std=gnu99 -O3 -fomit-frame-pointer -mtune=native -malign-double -fstrict-aliasing -fno-schedule-insns -ffast-math -lm

FFTW 3.3.4

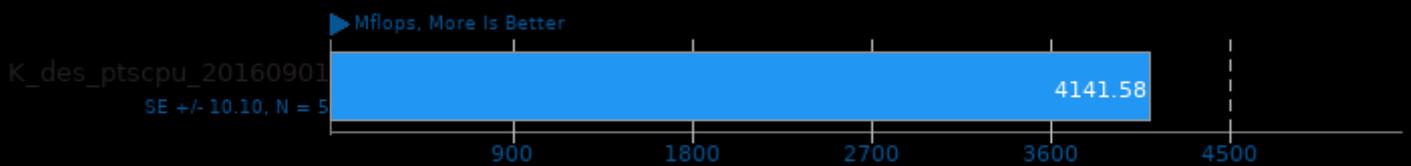
Build: Stock - Size: 2D FFT Size 32



1. (CC) gcc options: -std=gnu99 -O3 -fomit-frame-pointer -mtune=native -malign-double -fstrict-aliasing -fno-schedule-insns -ffast-math -lm

FFTW 3.3.4

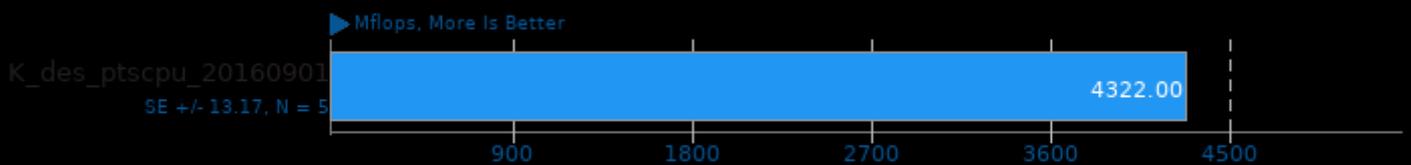
Build: Stock - Size: 2D FFT Size 64



1. (CC) gcc options: -std=gnu99 -O3 -fomit-frame-pointer -mtune=native -malign-double -fstrict-aliasing -fno-schedule-insns -ffast-math -lm

FFTW 3.3.4

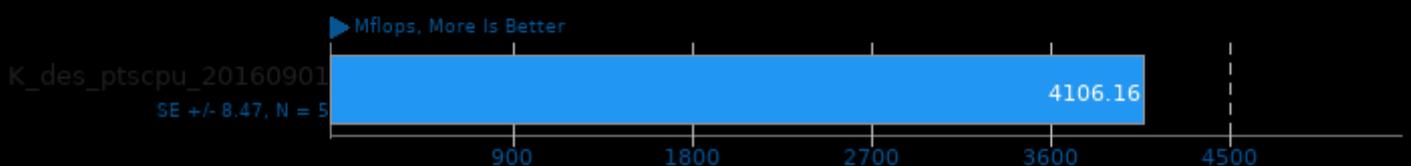
Build: Stock - Size: 1D FFT Size 128



1. (CC) gcc options: -std=gnu99 -O3 -fomit-frame-pointer -mtune=native -malign-double -fstrict-aliasing -fno-schedule-insns -ffast-math -lm

FFTW 3.3.4

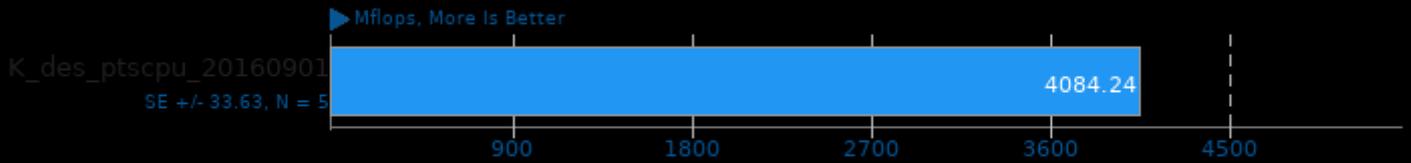
Build: Stock - Size: 1D FFT Size 256



1. (CC) gcc options: -std=gnu99 -O3 -fomit-frame-pointer -mtune=native -malign-double -fstrict-aliasing -fno-schedule-insns -ffast-math -lm

FFTW 3.3.4

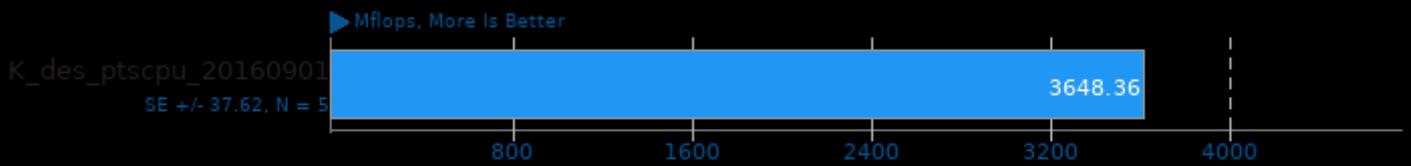
Build: Stock - Size: 1D FFT Size 512



1. (CC) gcc options: -std=gnu99 -O3 -fomit-frame-pointer -mtune=native -malign-double -fstrict-aliasing -fno-schedule-insns -ffast-math -lm

FFTW 3.3.4

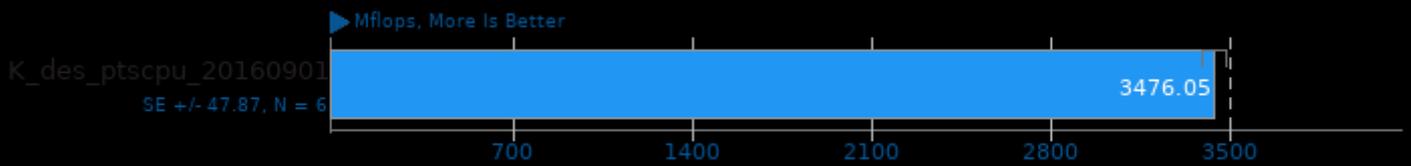
Build: Stock - Size: 2D FFT Size 128



1. (CC) gcc options: -std=gnu99 -O3 -fomit-frame-pointer -mtune=native -malign-double -fstrict-aliasing -fno-schedule-insns -ffast-math -lm

FFTW 3.3.4

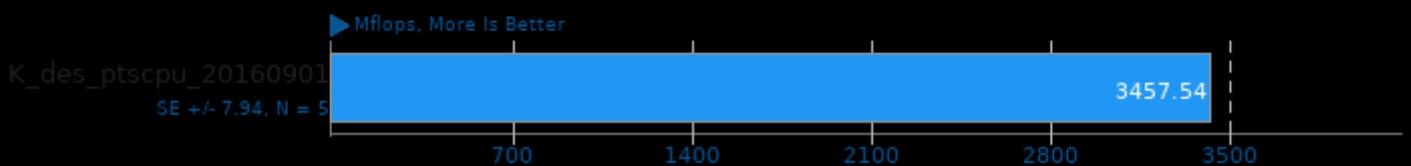
Build: Stock - Size: 2D FFT Size 256



1. (CC) gcc options: -std=gnu99 -O3 -fomit-frame-pointer -mtune=native -malign-double -fstrict-aliasing -fno-schedule-insns -ffast-math -lm

FFTW 3.3.4

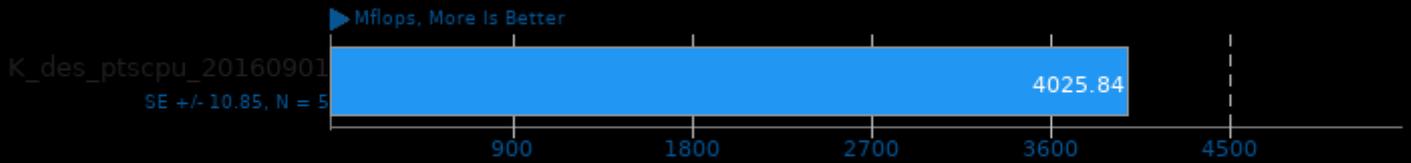
Build: Stock - Size: 2D FFT Size 512



1. (CC) gcc options: -std=gnu99 -O3 -fomit-frame-pointer -mtune=native -malign-double -fstrict-aliasing -fno-schedule-insns -ffast-math -lm

FFTW 3.3.4

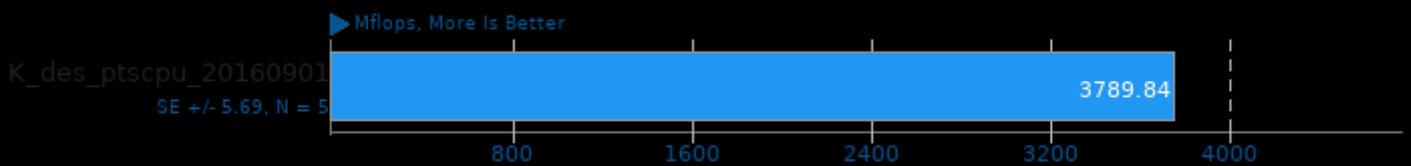
Build: Stock - Size: 1D FFT Size 1024



1. (CC) gcc options: -std=gnu99 -O3 -fomit-frame-pointer -mtune=native -malign-double -fstrict-aliasing -fno-schedule-insns -ffast-math -lm

FFTW 3.3.4

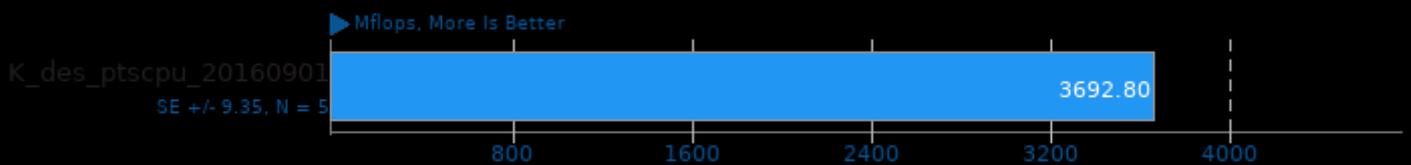
Build: Stock - Size: 1D FFT Size 2048



1. (CC) gcc options: -std=gnu99 -O3 -fomit-frame-pointer -mtune=native -malign-double -fstrict-aliasing -fno-schedule-insns -ffast-math -lm

FFTW 3.3.4

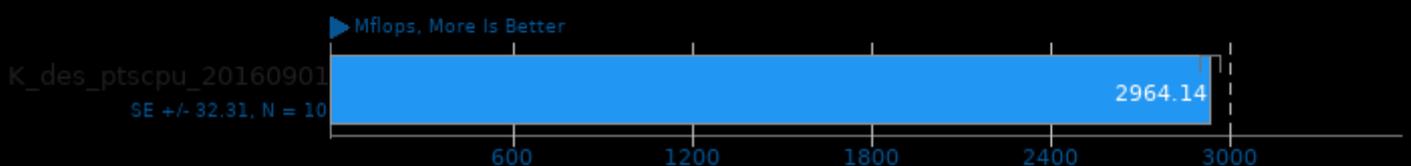
Build: Stock - Size: 1D FFT Size 4096



1. (CC) gcc options: -std=gnu99 -O3 -fomit-frame-pointer -mtune=native -malign-double -fstrict-aliasing -fno-schedule-insns -ffast-math -lm

FFTW 3.3.4

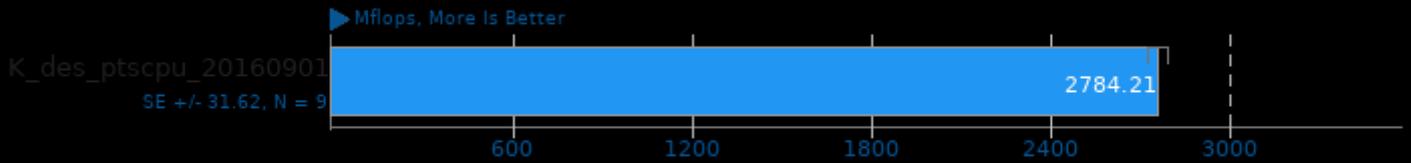
Build: Stock - Size: 2D FFT Size 1024



1. (CC) gcc options: -std=gnu99 -O3 -fomit-frame-pointer -mtune=native -malign-double -fstrict-aliasing -fno-schedule-insns -ffast-math -lm

FFTW 3.3.4

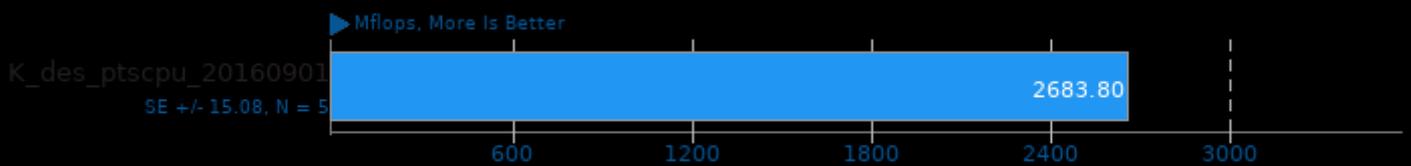
Build: Stock - Size: 2D FFT Size 2048



1. (CC) gcc options: -std=gnu99 -O3 -fomit-frame-pointer -mtune=native -malign-double -fstrict-aliasing -fno-schedule-insns -ffast-math -lm

FFTW 3.3.4

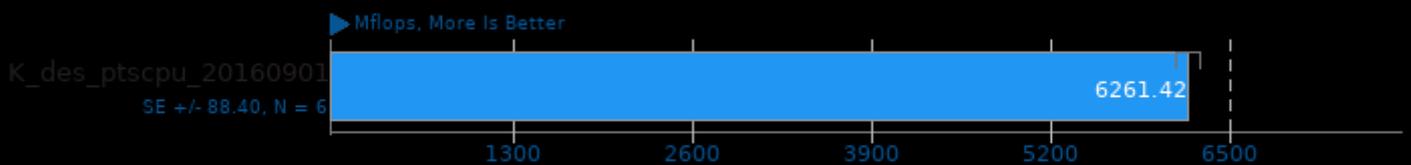
Build: Stock - Size: 2D FFT Size 4096



1. (CC) gcc options: -std=gnu99 -O3 -fomit-frame-pointer -mtune=native -malign-double -fstrict-aliasing -fno-schedule-insns -ffast-math -lm

FFTW 3.3.4

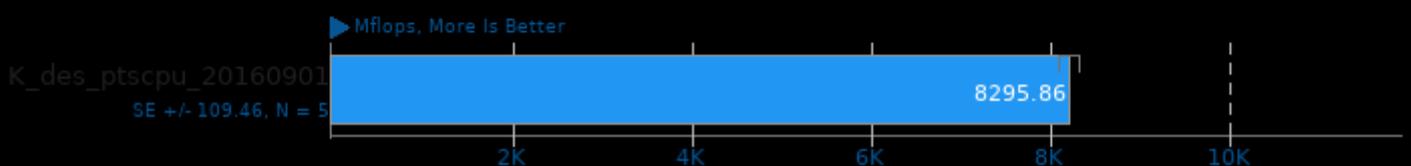
Build: Float + SSE - Size: 1D FFT Size 32



1. (CC) gcc options: -std=gnu99 -O3 -fomit-frame-pointer -mtune=native -malign-double -fstrict-aliasing -fno-schedule-insns -ffast-math -lm

FFTW 3.3.4

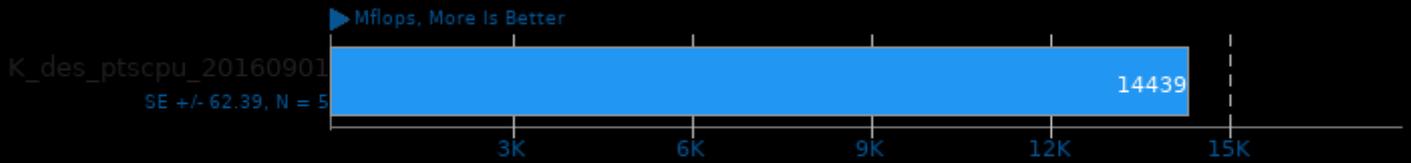
Build: Float + SSE - Size: 1D FFT Size 64



1. (CC) gcc options: -std=gnu99 -O3 -fomit-frame-pointer -mtune=native -malign-double -fstrict-aliasing -fno-schedule-insns -ffast-math -lm

FFTW 3.3.4

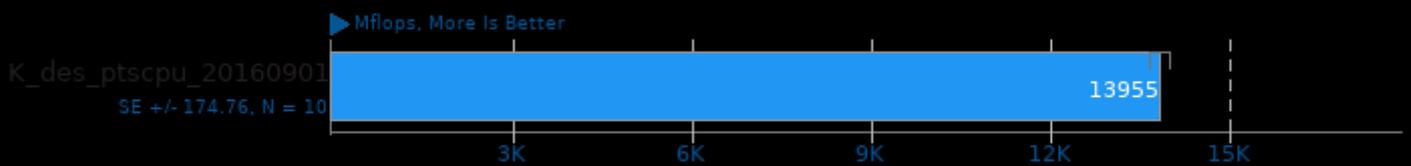
Build: Float + SSE - Size: 2D FFT Size 32



1. (CC) gcc options: -std=gnu99 -O3 -fomit-frame-pointer -mtune=native -malign-double -fstrict-aliasing -fno-schedule-insns -ffast-math -lm

FFTW 3.3.4

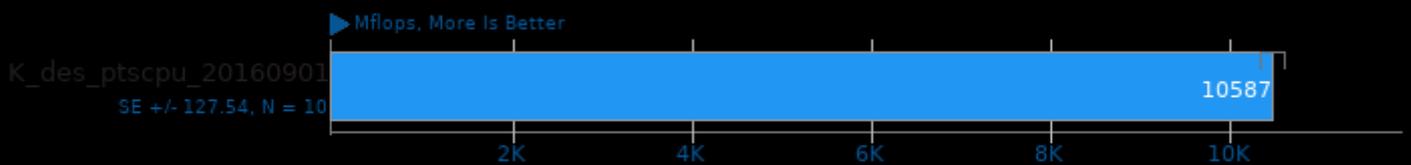
Build: Float + SSE - Size: 2D FFT Size 64



1. (CC) gcc options: -std=gnu99 -O3 -fomit-frame-pointer -mtune=native -malign-double -fstrict-aliasing -fno-schedule-insns -ffast-math -lm

FFTW 3.3.4

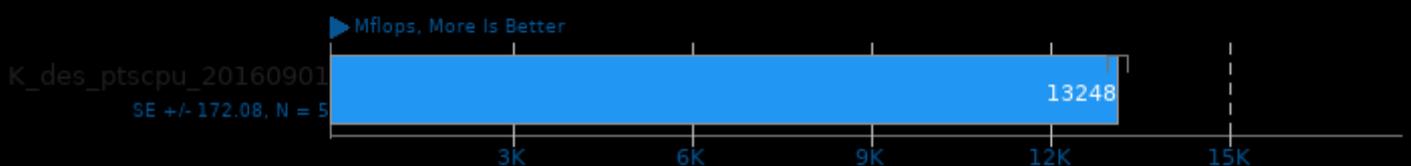
Build: Float + SSE - Size: 1D FFT Size 128



1. (CC) gcc options: -std=gnu99 -O3 -fomit-frame-pointer -mtune=native -malign-double -fstrict-aliasing -fno-schedule-insns -ffast-math -lm

FFTW 3.3.4

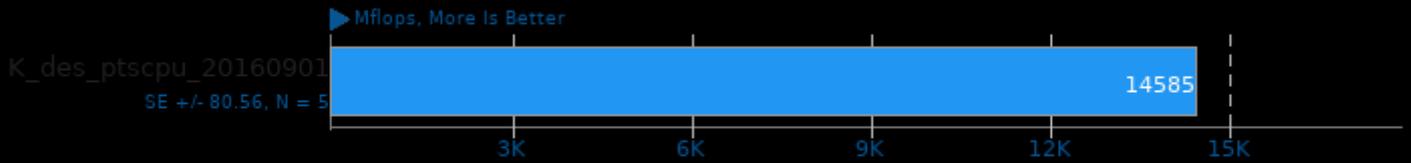
Build: Float + SSE - Size: 1D FFT Size 256



1. (CC) gcc options: -std=gnu99 -O3 -fomit-frame-pointer -mtune=native -malign-double -fstrict-aliasing -fno-schedule-insns -ffast-math -lm

FFTW 3.3.4

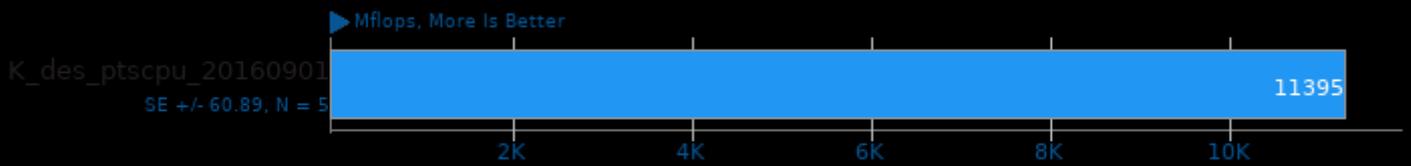
Build: Float + SSE - Size: 1D FFT Size 512



1. (CC) gcc options: -std=gnu99 -O3 -fomit-frame-pointer -mtune=native -malign-double -fstrict-aliasing -fno-schedule-insns -ffast-math -lm

FFTW 3.3.4

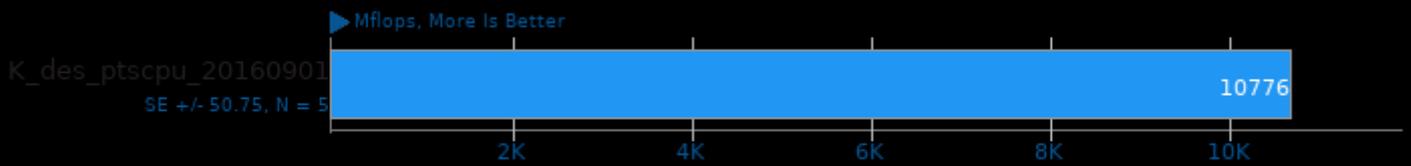
Build: Float + SSE - Size: 2D FFT Size 128



1. (CC) gcc options: -std=gnu99 -O3 -fomit-frame-pointer -mtune=native -malign-double -fstrict-aliasing -fno-schedule-insns -ffast-math -lm

FFTW 3.3.4

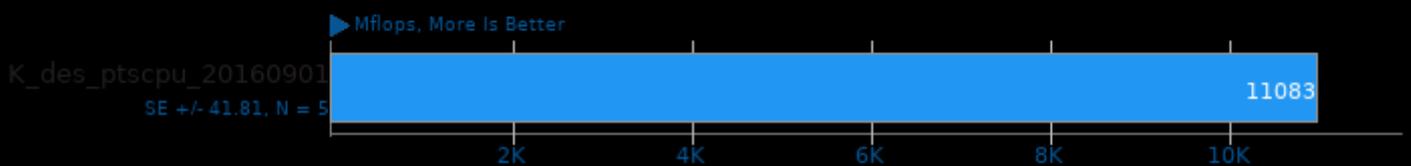
Build: Float + SSE - Size: 2D FFT Size 256



1. (CC) gcc options: -std=gnu99 -O3 -fomit-frame-pointer -mtune=native -malign-double -fstrict-aliasing -fno-schedule-insns -ffast-math -lm

FFTW 3.3.4

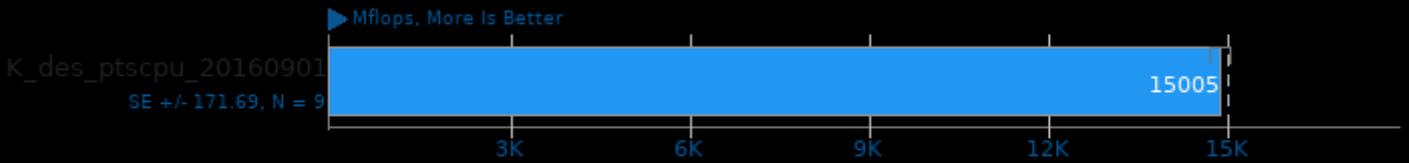
Build: Float + SSE - Size: 2D FFT Size 512



1. (CC) gcc options: -std=gnu99 -O3 -fomit-frame-pointer -mtune=native -malign-double -fstrict-aliasing -fno-schedule-insns -ffast-math -lm

FFTW 3.3.4

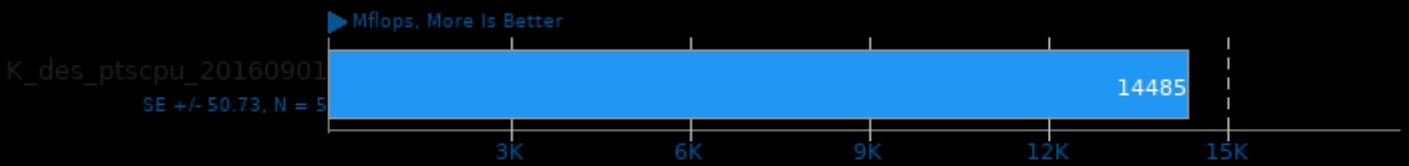
Build: Float + SSE - Size: 1D FFT Size 1024



1. (CC) gcc options: -std=gnu99 -O3 -fomit-frame-pointer -mtune=native -malign-double -fstrict-aliasing -fno-schedule-insns -ffast-math -lm

FFTW 3.3.4

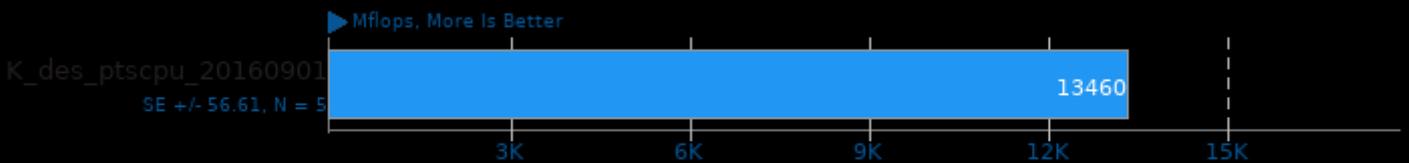
Build: Float + SSE - Size: 1D FFT Size 2048



1. (CC) gcc options: -std=gnu99 -O3 -fomit-frame-pointer -mtune=native -malign-double -fstrict-aliasing -fno-schedule-insns -ffast-math -lm

FFTW 3.3.4

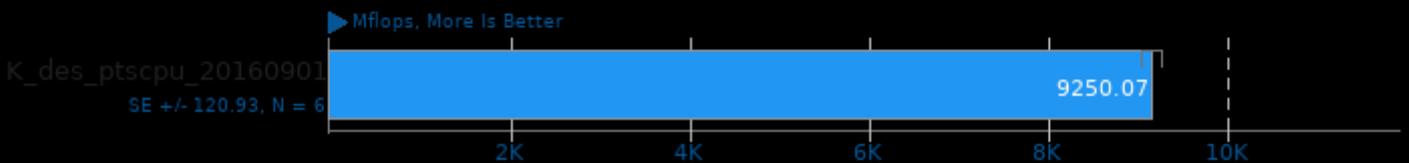
Build: Float + SSE - Size: 1D FFT Size 4096



1. (CC) gcc options: -std=gnu99 -O3 -fomit-frame-pointer -mtune=native -malign-double -fstrict-aliasing -fno-schedule-insns -ffast-math -lm

FFTW 3.3.4

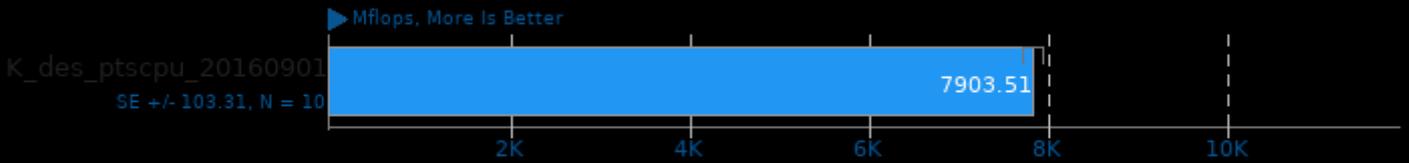
Build: Float + SSE - Size: 2D FFT Size 1024



1. (CC) gcc options: -std=gnu99 -O3 -fomit-frame-pointer -mtune=native -malign-double -fstrict-aliasing -fno-schedule-insns -ffast-math -lm

FFTW 3.3.4

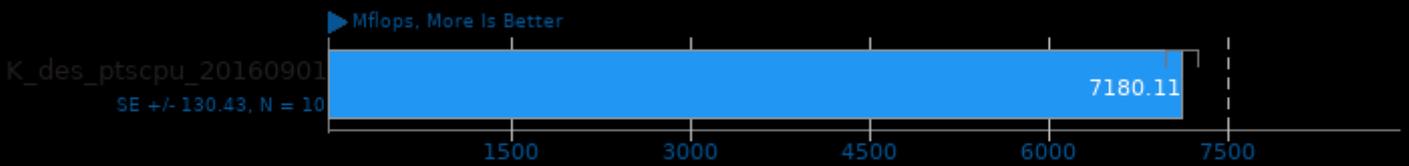
Build: Float + SSE - Size: 2D FFT Size 2048



1. (CC) gcc options: -std=gnu99 -O3 -fomit-frame-pointer -mtune=native -malign-double -fstrict-aliasing -fno-schedule-insns -ffast-math -lm

FFTW 3.3.4

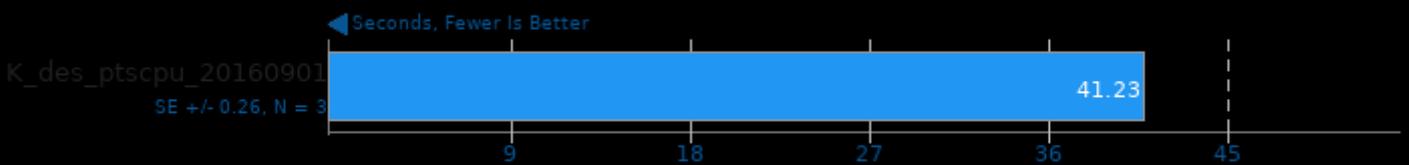
Build: Float + SSE - Size: 2D FFT Size 4096



1. (CC) gcc options: -std=gnu99 -O3 -fomit-frame-pointer -mtune=native -malign-double -fstrict-aliasing -fno-schedule-insns -ffast-math -lm

Timed HMMer Search 2.3.2

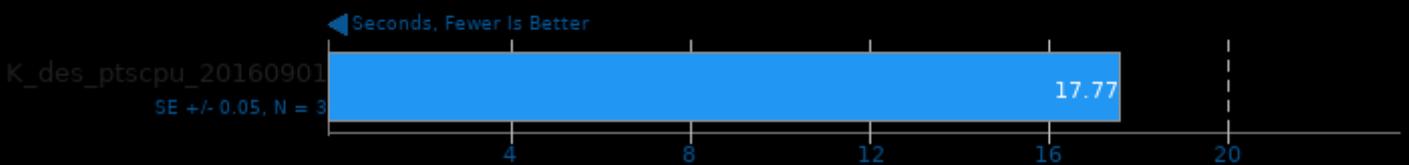
Pfam Database Search



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

Timed MAFFT Alignment 6.864

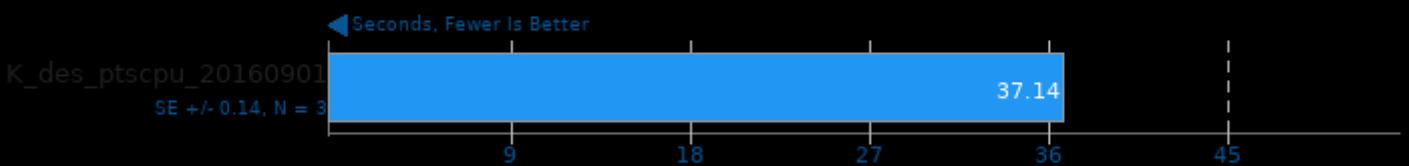
Multiple Sequence Alignment



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

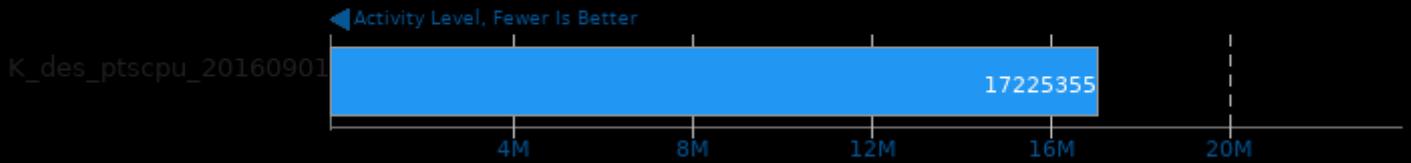
Timed MrBayes Analysis 3.1.2

Primate Phylogeny Analysis



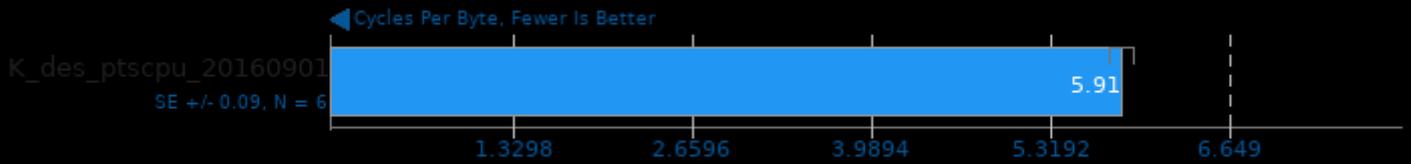
NoiseLevel

Phoronix Test Suite v6.4.0



BLAKE2 20130131

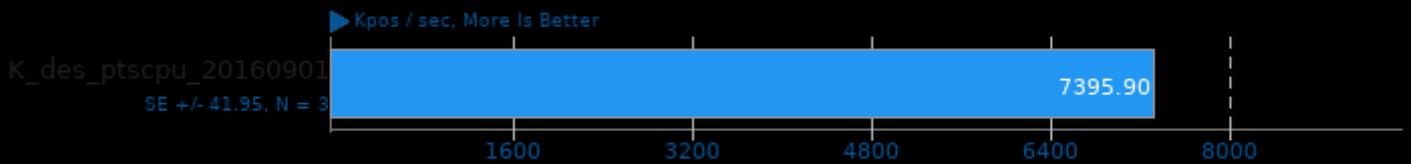
Phoronix Test Suite v6.4.0



1. (CC) gcc options: -std=gnu99 -O3 -march=native -lcrypto -lz

Fhourstones 3.1

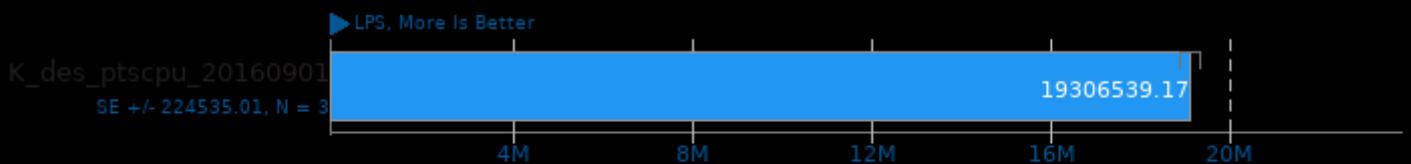
Complex Connect-4 Solving



1. (CC) gcc options: -O3

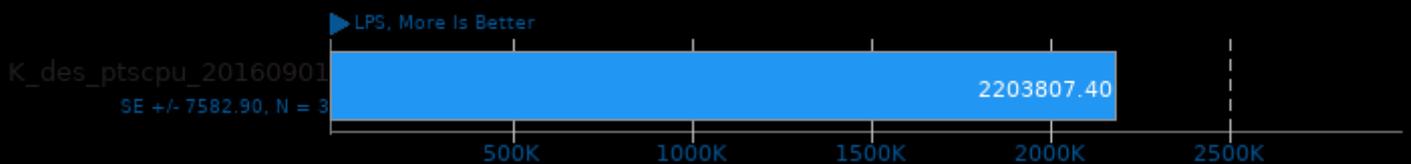
BYTE Unix Benchmark 3.6

Computational Test: Dhrystone 2



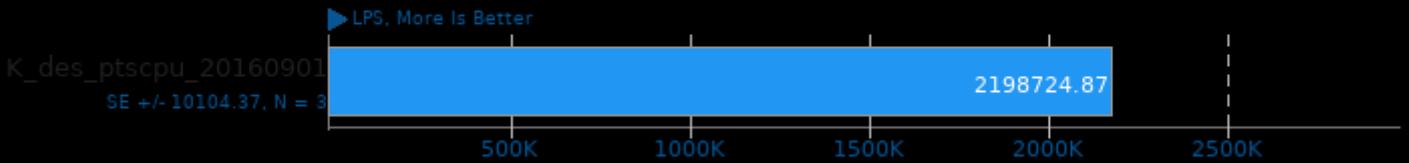
BYTE Unix Benchmark 3.6

Computational Test: Integer Arithmetic



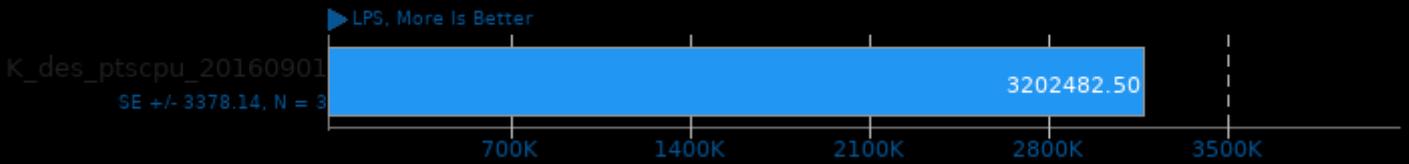
BYTE Unix Benchmark 3.6

Computational Test: Register Arithmetic



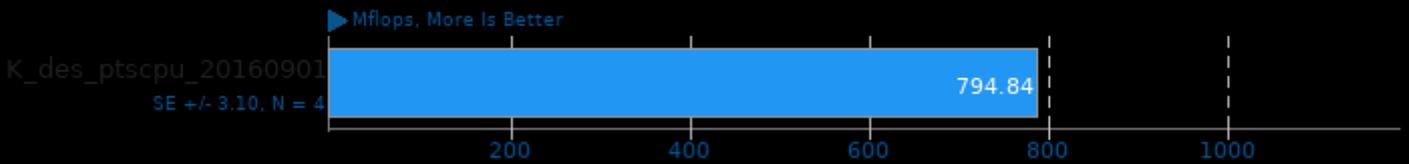
BYTE Unix Benchmark 3.6

Computational Test: Floating-Point Arithmetic



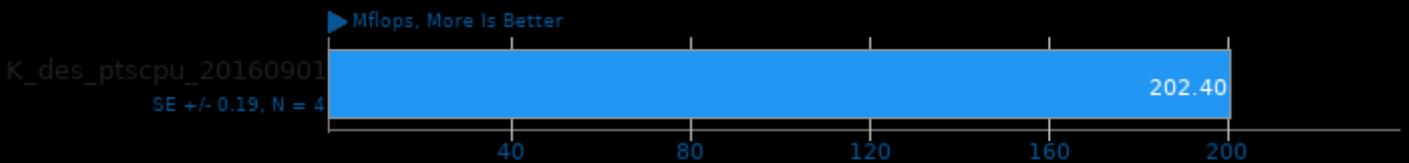
SciMark 2.0

Computational Test: Composite



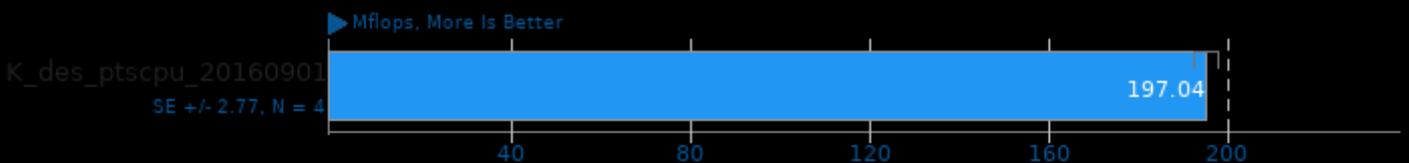
SciMark 2.0

Computational Test: Monte Carlo



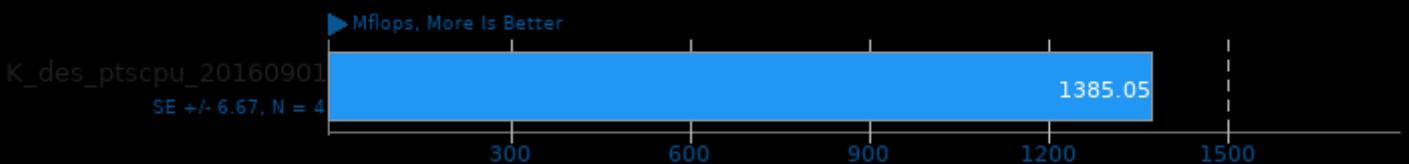
SciMark 2.0

Computational Test: Fast Fourier Transform



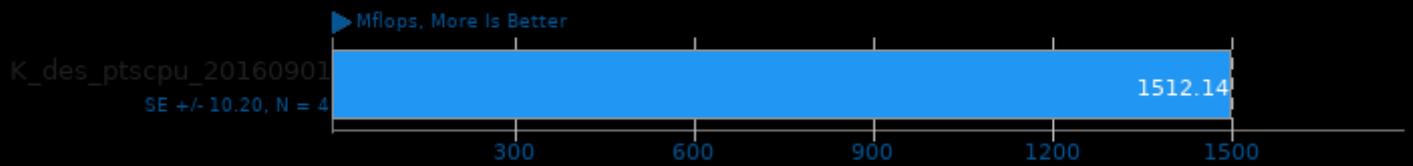
SciMark 2.0

Computational Test: Sparse Matrix Multiply



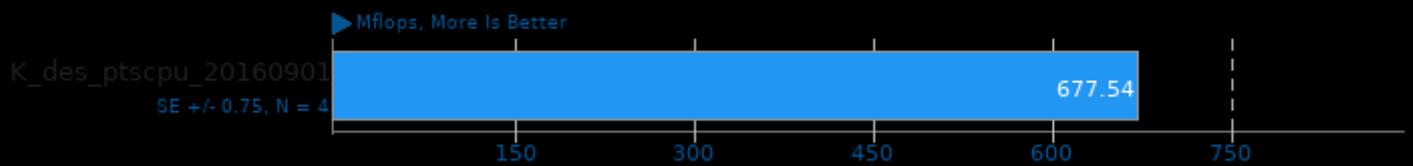
SciMark 2.0

Computational Test: Dense LU Matrix Factorization



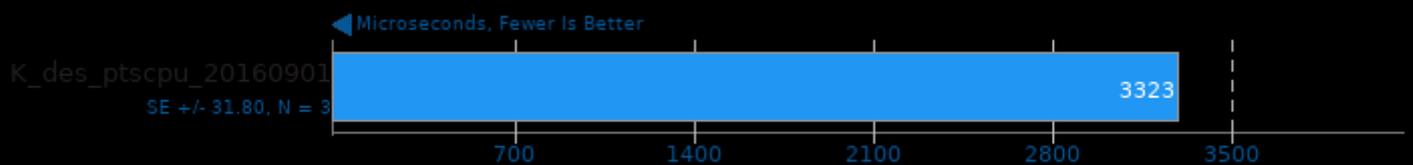
SciMark 2.0

Computational Test: Jacobi Successive Over-Relaxation



Gcrypt Library 1.4.4

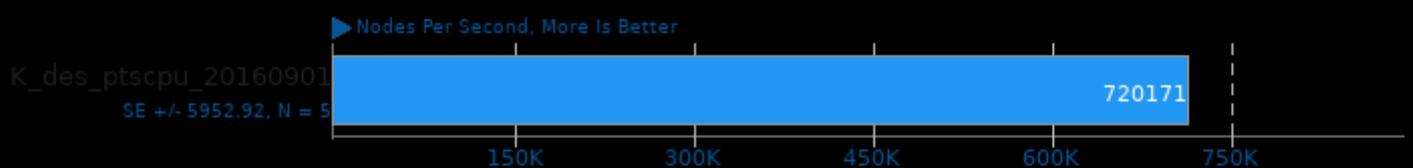
CAMELLIA256-ECB Cipher



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

TSCP 1.81

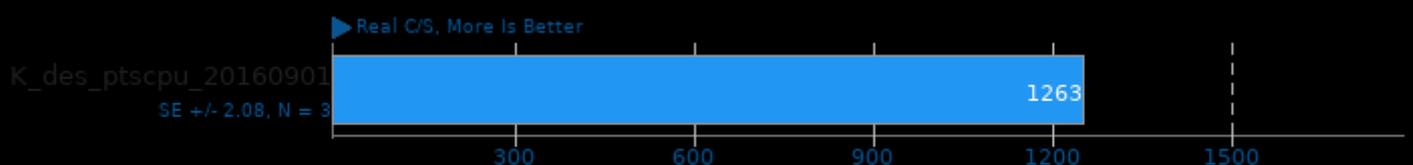
AI Chess Performance



1. (CC) gcc options: -O3 -march=native

John The Ripper 1.8.0

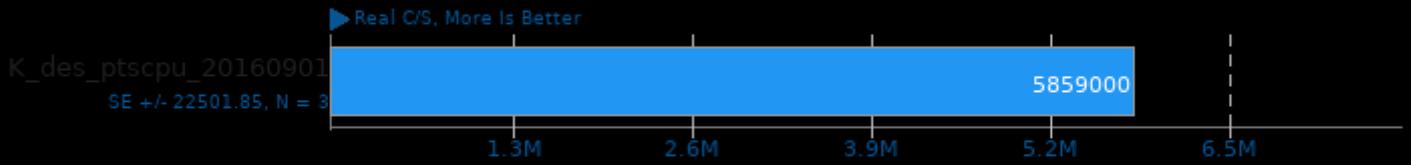
Test: Blowfish



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

John The Ripper 1.8.0

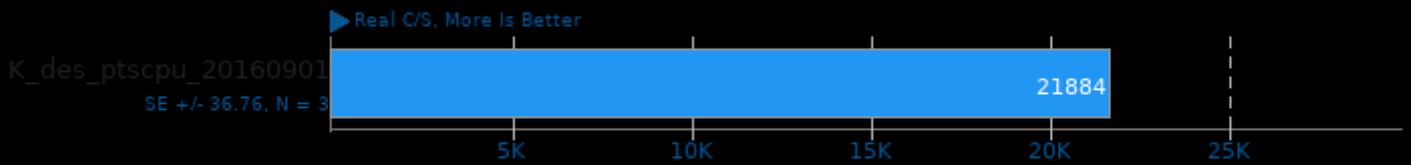
Test: Traditional DES



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

John The Ripper 1.8.0

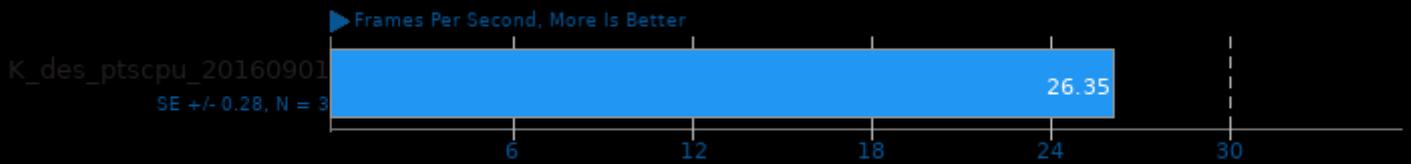
Test: MD5



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

VP8 libvpx Encoding 1.3.0

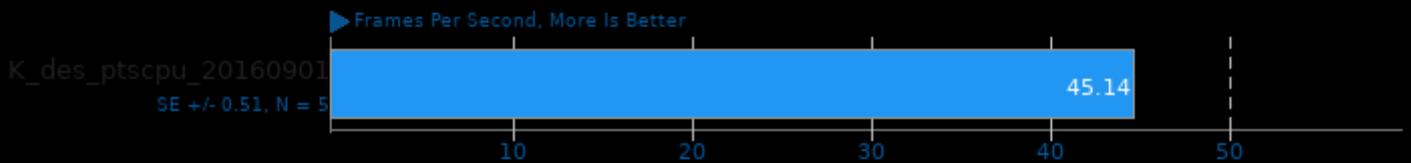
Test: vpxenc



1. (GXX) g++ options: -m64 -lvpx -lgtest -lpthread -lm -O3 -U_FORTIFY_SOURCE

x264 2015-11-02

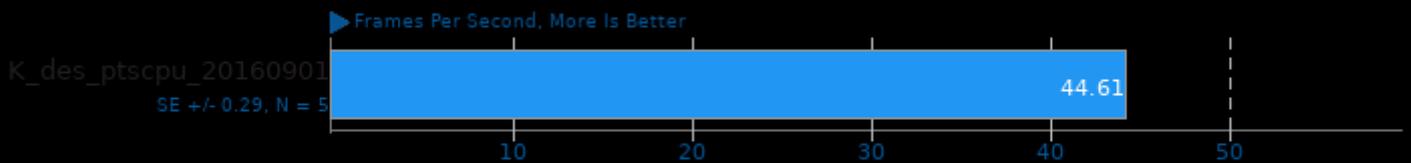
Test: H.264 Video Encoding



1. (GCC) gcc options: -ldl -m64 -lm -lpthread -O3 -ffast-math -std=gnu99 -fomit-frame-pointer -fno-tree-vectorize

x264 OpenCL 2014-08-30

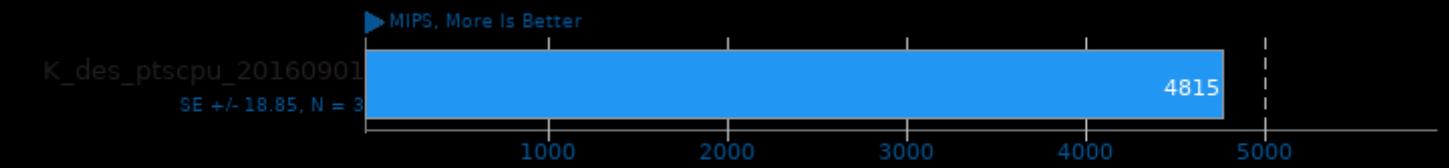
Test: H.264 Video Encoding



1. (GCC) gcc options: -ldl -m64 -lm -lpthread -O3 -ffast-math -std=gnu99 -fomit-frame-pointer -fno-tree-vectorize

7-Zip Compression 9.20.1

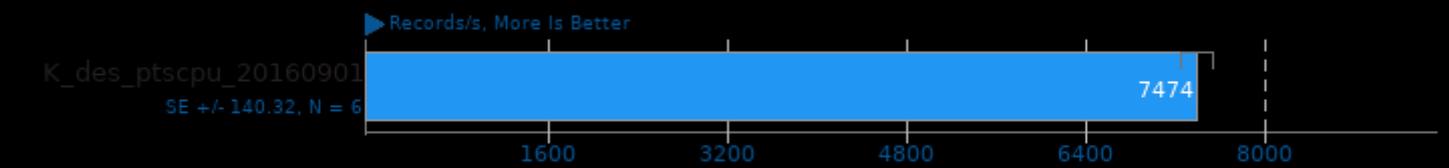
Compress Speed Test



1. (CXX) g++ options: -pipe -pthread

ebizzy 0.3

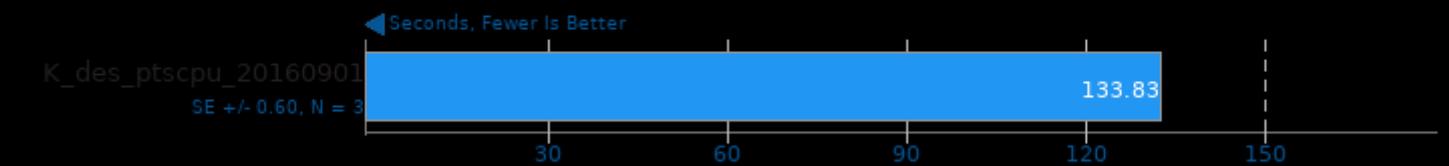
Phoronix Test Suite v6.4.0



1. (C) gcc options: -pthread -pthread -O3 -march=native

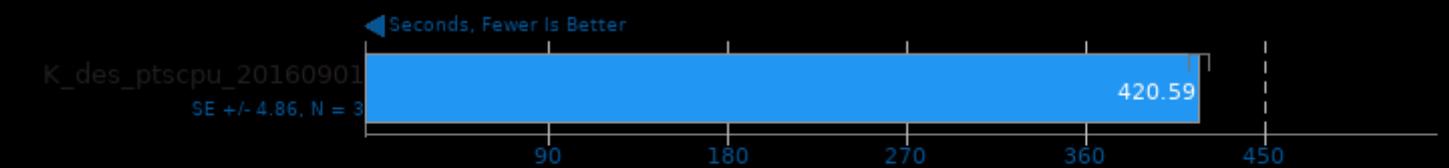
Timed ImageMagick Compilation 6.9.0

Time To Compile



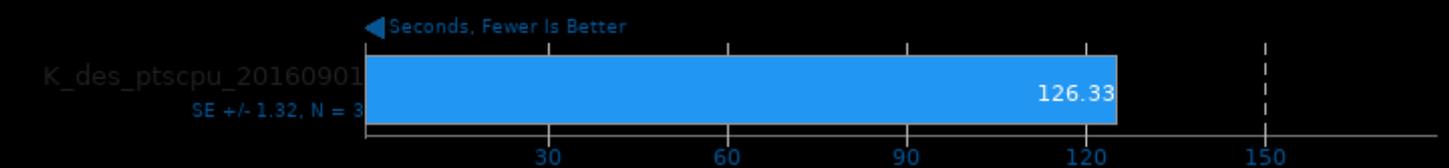
Timed Linux Kernel Compilation 4.3

Time To Compile



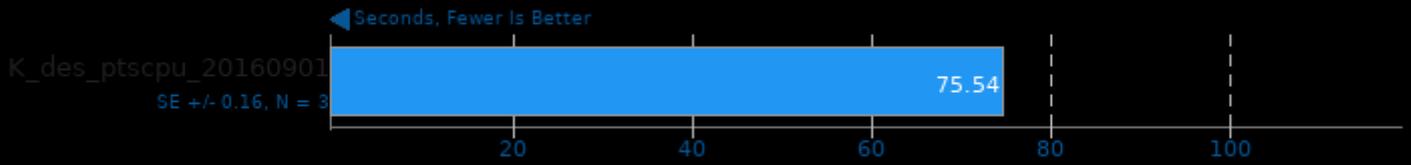
Timed MPlayer Compilation 1.0-rc3

Time To Compile



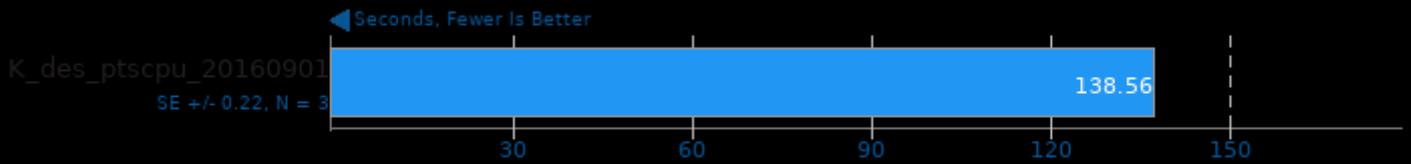
Timed PHP Compilation 5.2.9

Time To Compile



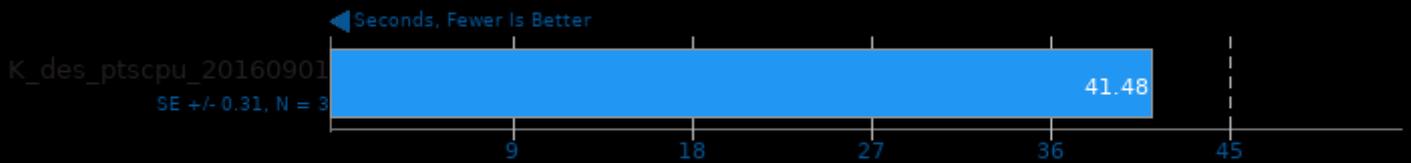
C-Ray 1.1

Total Time



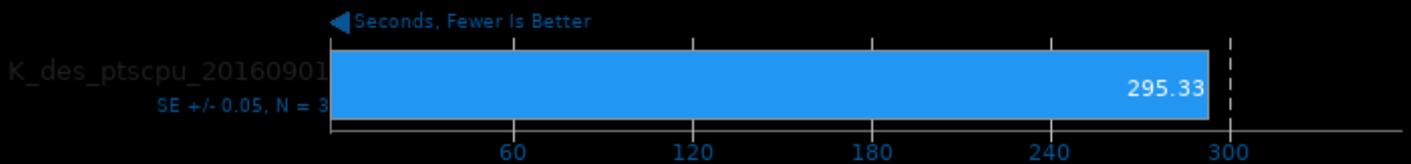
Parallel BZIP2 Compression 1.1.12

256MB File Compression



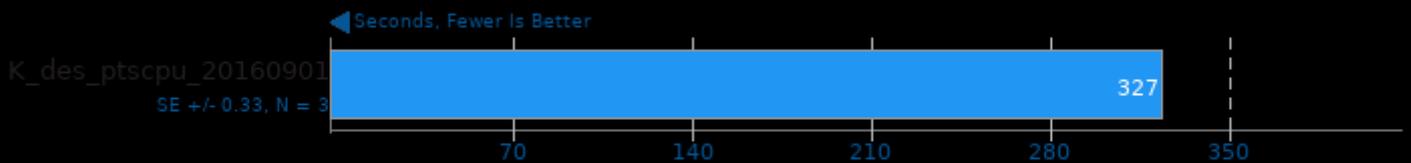
Primesieve 5.4.2

1e12 Prime Number Generation



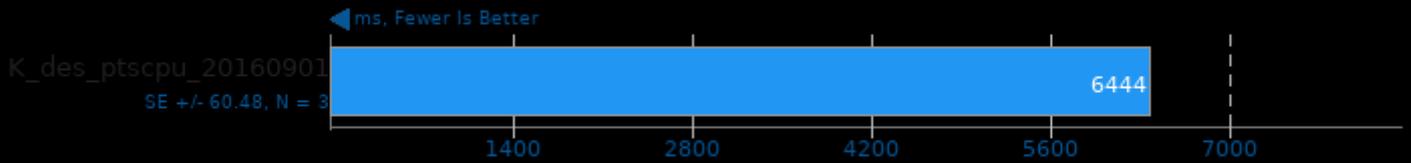
Smallpt 1.0

Global Illumination Renderer; 100 Samples



Stockfish 2014-11-26

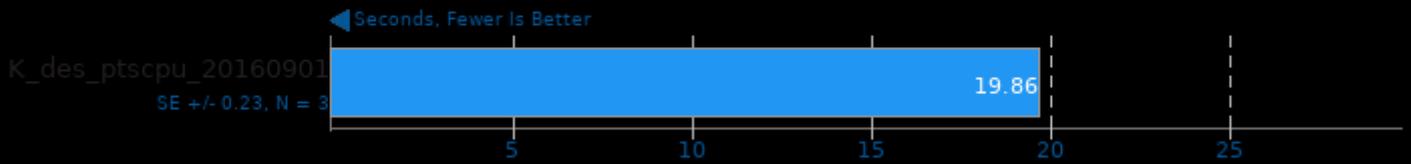
Total Time



1. (CXX) g++ options: -lpthread -fno-exceptions -fno-rtti -ansi -pedantic -O3 -msse -msse3 -mpopcnt

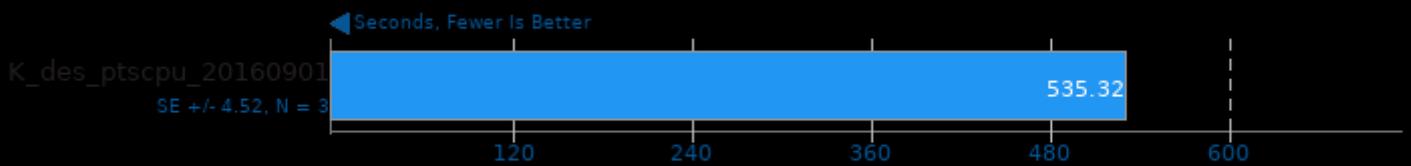
Gzip Compression

2GB File Compression



LZMA Compression

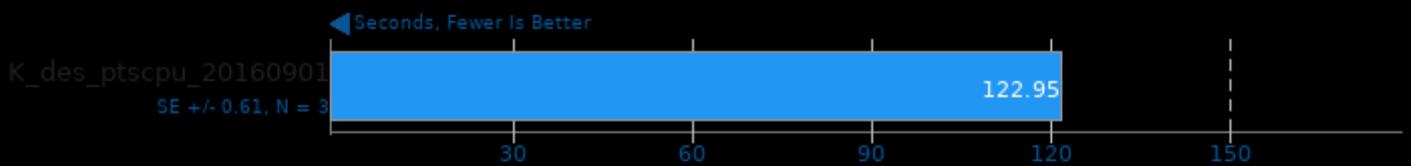
256MB File Compression



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

Crafty 23.4

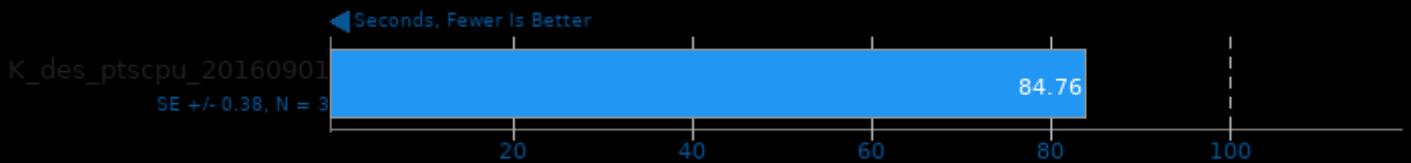
Elapsed Time



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

dcraw

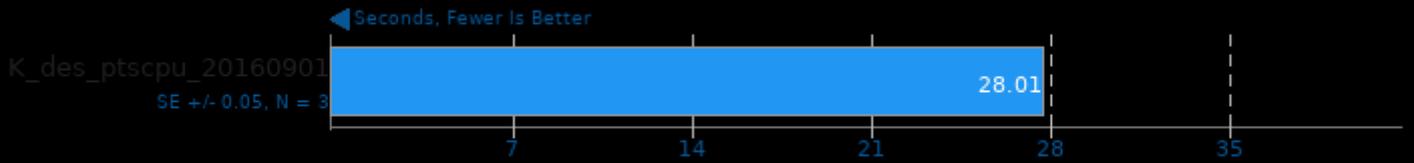
RAW To PPM Image Conversion



1. (CC) gcc options: -lm

FFmpeg 2.8.1

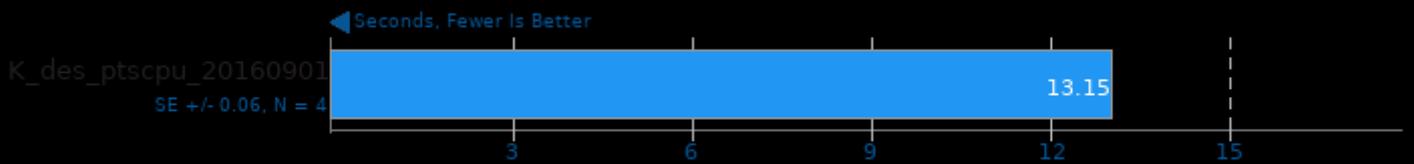
H.264 HD To NTSC DV



1. (CC) gcc options: -lavdevice -lavfilter -lavformat -lavcodec -lswresample -lswscale -lavutil -lm -pthread -lrt -std=c99 -fomit-frame-pointer -O3 -fno-math-errno

GnuPG 1.4.10

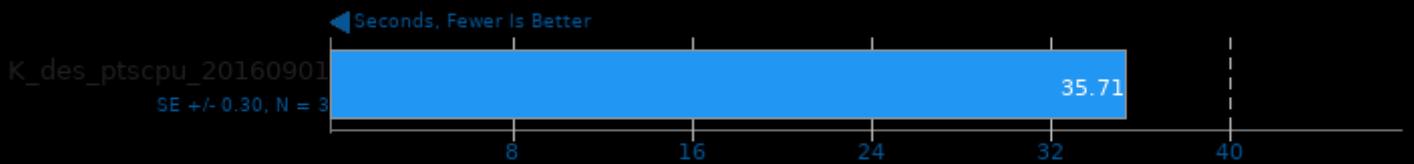
1GB File Encryption



1. (CC) gcc options: -O2 -MT -MD -MP -MF

Mencoder 1.1

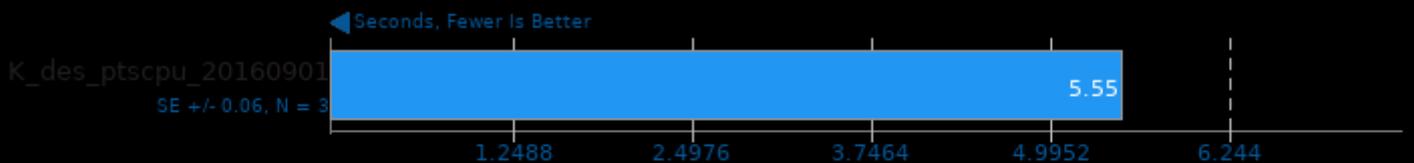
AVI To LAVC



1. (CC) gcc options: -lm -ffast-math -lpthread -ldl -rdynamic

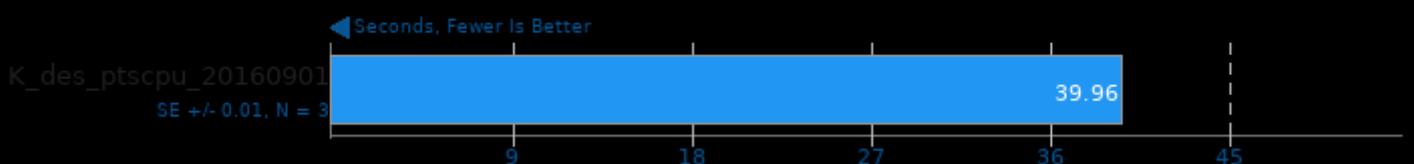
Sample Pi Program

Phoronix Test Suite v6.4.0



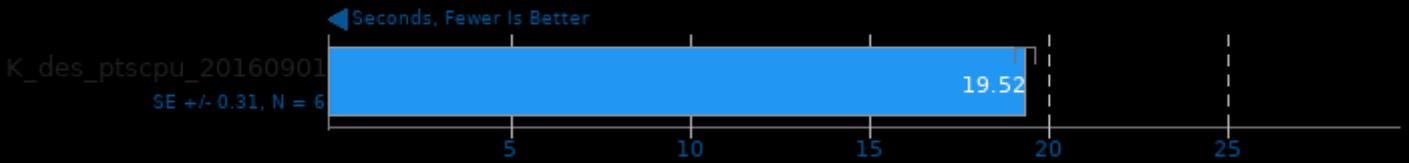
Sudoku 0.4

Total Time



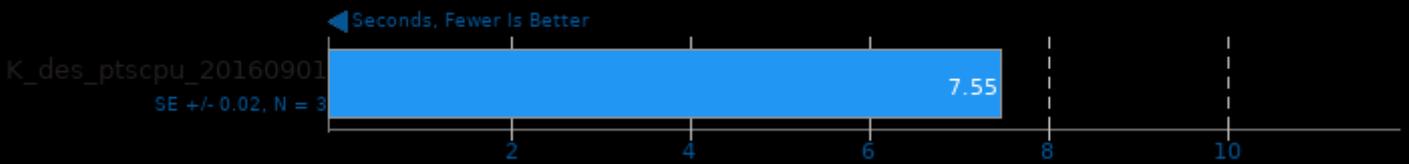
System BZIP2 Decompression

Phoronix Test Suite v6.4.0



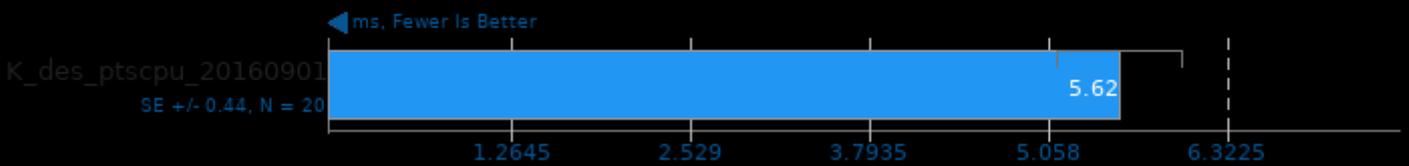
System XZ Decompression

Phoronix Test Suite v6.4.0



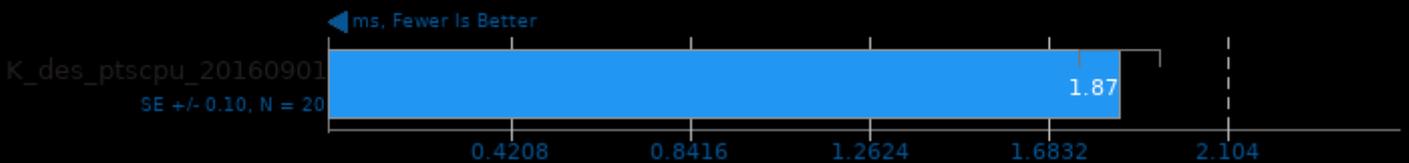
System Libtiff Decompression

Phoronix Test Suite v6.4.0



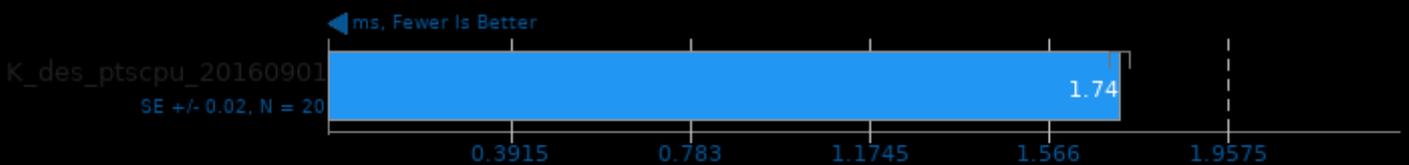
System JPEG Library Decode

DCT method: Float



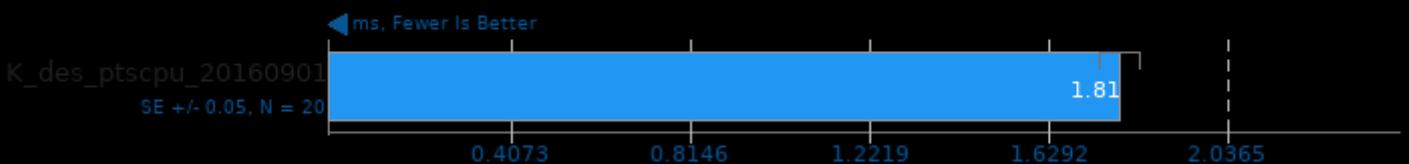
System JPEG Library Decode

DCT method: Integer



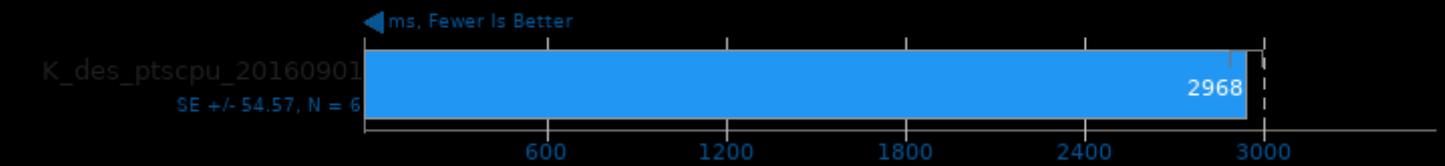
System JPEG Library Decode

DCT method: Fast Integer



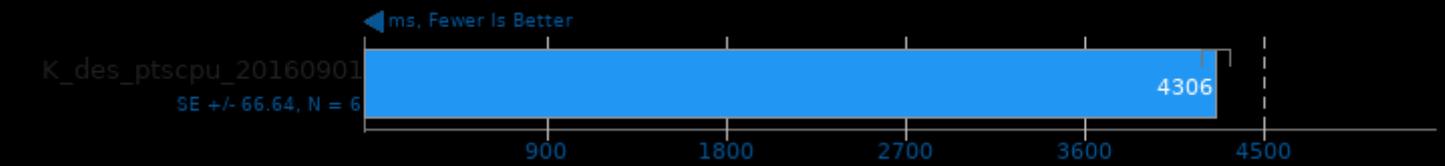
System Libxml2 Parsing

Filesize: 2 MB



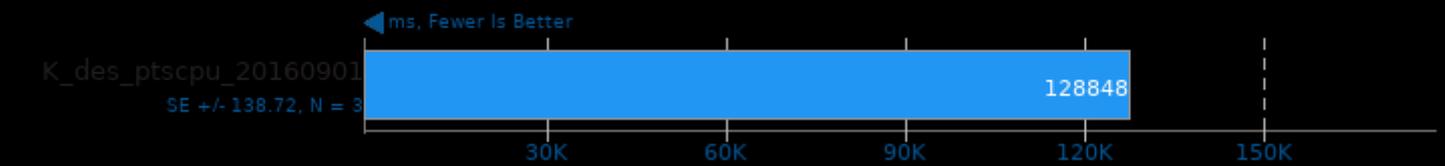
System Libxml2 Parsing

Filesize: 3 MB



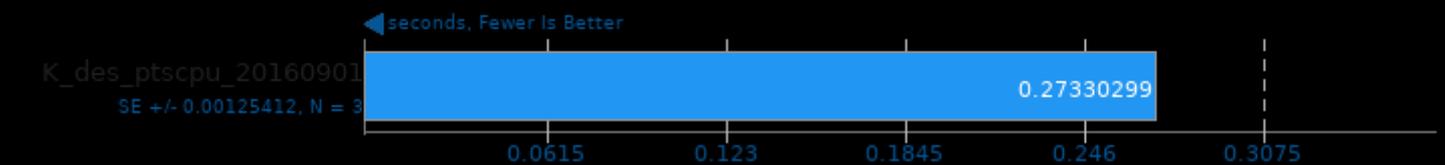
System Libxml2 Parsing

Filesize: 112 MB



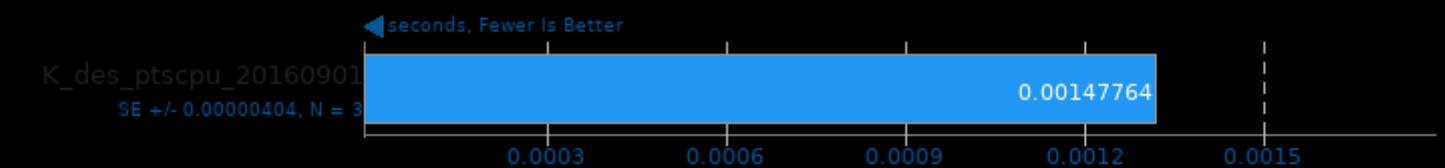
Perl Benchmarks

Test: Pod2html



Perl Benchmarks

Test: Interpreter



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