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ali_result_pts_cpu.sh_20160826

ali_des_pts_cpu.sh_20160826

Test Systems:

ali_des_pts_cpu.sh_20160826

Processor: 2 x Intel Xeon E5-2430 0 @ 2.20GHz (2 Cores), Motherboard: Xen HVM domU v4.0.1, Chipset: Intel 440FX-82441FX PMC, Memory: 1 x 4096 MB RAM, Disk: 40GB, Graphics: Cirrus Logic GD 5446

OS: CentOS 6.5, Kernel: 2.6.32-573.22.1.el6.x86_64 (x86_64), Compiler: GCC 4.4.7 20120313, File-System: ext4, System Layer: Xen HVM domU 4.0.1

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-libgccj-multifile --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-arch_32=i686 --with-cloog --with-ppl --with-tune=generic

ali_des_pts_cpu.sh_20160826

Parboil - OpenMP LBM (sec)	1034
Standard Deviation	3.4%
Parboil - OpenMP CUTCP (sec)	85.26
Standard Deviation	2.2%
Parboil - OpenMP MRI-Q (sec)	41.98
Standard Deviation	0.6%
Parboil - OpenMP Stencil (sec)	158.34
Standard Deviation	1.9%
Parboil - O.M.G (sec)	44.46
Standard Deviation	3.1%
Rodinia - OpenMP LavaMD (sec)	3338
Standard Deviation	1.7%
Rodinia - OpenMP Leukocyte (sec)	224.67
Standard Deviation	1.9%
Rodinia - OpenMP CFD Solver (sec)	502.18
Standard Deviation	1.6%
Rodinia - O.S (sec)	135.44
Standard Deviation	0.4%
CLOMP - Static OMP Speedup (Speedup)	1.35
Standard Deviation	1.7%
Dolfyn - C.F.D (sec)	52.43
Standard Deviation	1.2%
FFTE - N.6.1.C.F.R (MFLOPS)	3138
Standard Deviation	1.3%
FFTW - Stock - 1D FFT Size 32 (Mflops)	4191
Standard Deviation	5.5%
FFTW - Stock - 1D FFT Size 64 (Mflops)	4254
Standard Deviation	0.5%
FFTW - Stock - 2D FFT Size 32 (Mflops)	4424
Standard Deviation	0.9%
FFTW - Stock - 2D FFT Size 64 (Mflops)	3581
Standard Deviation	2.1%
FFTW - Stock - 1D FFT Size 128 (Mflops)	3888
Standard Deviation	1%
FFTW - Stock - 1D FFT Size 256 (Mflops)	3532
Standard Deviation	0.5%
FFTW - Stock - 1D FFT Size 512 (Mflops)	3553
Standard Deviation	1.6%
FFTW - Stock - 2D FFT Size 128 (Mflops)	3245
Standard Deviation	0.5%
FFTW - Stock - 2D FFT Size 256 (Mflops)	2948
Standard Deviation	0.8%
FFTW - Stock - 2D FFT Size 512 (Mflops)	2941
Standard Deviation	1.3%
FFTW - Stock - 1D FFT Size 1024 (Mflops)	3487
Standard Deviation	1.3%
FFTW - Stock - 1D FFT Size 2048 (Mflops)	3260
Standard Deviation	0.4%
FFTW - Stock - 1D FFT Size 4096 (Mflops)	3212
Standard Deviation	0.4%
FFTW - Stock - 2D FFT Size 1024 (Mflops)	2625
Standard Deviation	1.4%

FFTW - Stock - 2D FFT Size 2048 (Mflops)	2453
Standard Deviation	1.9%
FFTW - Stock - 2D FFT Size 4096 (Mflops)	2358
Standard Deviation	1%
FFTW - Float + SSE - 1D FFT Size 32 (Mflops)	5515
Standard Deviation	2.3%
FFTW - Float + SSE - 1D FFT Size 64 (Mflops)	6461
Standard Deviation	3.3%
FFTW - Float + SSE - 2D FFT Size 32 (Mflops)	11532
Standard Deviation	4.5%
FFTW - Float + SSE - 2D FFT Size 64 (Mflops)	11169
Standard Deviation	6.1%
FFTW - Float + SSE - 1D FFT Size 128 (Mflops)	8616
Standard Deviation	1.4%
FFTW - Float + SSE - 1D FFT Size 256 (Mflops)	10199
Standard Deviation	3.8%
FFTW - Float + SSE - 1D FFT Size 512 (Mflops)	11634
Standard Deviation	3.3%
FFTW - Float + SSE - 2D FFT Size 128 (Mflops)	9600
Standard Deviation	0.7%
FFTW - Float + SSE - 2D FFT Size 256 (Mflops)	8574
Standard Deviation	0.7%
FFTW - Float + SSE - 2D FFT Size 512 (Mflops)	8973
Standard Deviation	1%
FFTW - Float + SSE - 1D FFT Size 1024 (Mflops)	11922
Standard Deviation	4.4%
FFTW - Float + SSE - 1D FFT Size 2048 (Mflops)	11555
Standard Deviation	2.4%
FFTW - Float + SSE - 1D FFT Size 4096 (Mflops)	10744
Standard Deviation	2.8%
FFTW - Float + SSE - 2D FFT Size 1024 (Mflops)	8645
Standard Deviation	4.5%
FFTW - Float + SSE - 2D FFT Size 2048 (Mflops)	7091
Standard Deviation	3.2%
FFTW - Float + SSE - 2D FFT Size 4096 (Mflops)	6593
Standard Deviation	0.8%
Timed HMMer Search - P.D.S (sec)	58.30
Standard Deviation	3.5%
Timed MAFFT Alignment - M.S.A (sec)	25.47
Standard Deviation	3.3%
Timed MrBayes Analysis - P.P.A (sec)	84.55
Standard Deviation	0.9%
NoiseLevel - P.T.S.v.4.0 (Activity Level)	77235322
BLAKE2 - P.T.S.v.4.0 (Cycles/Byte)	6.49
Standard Deviation	0.2%
Fhourstones - C.C.4.S (Kpos / sec)	6620
Standard Deviation	0.2%
BYTE Unix Benchmark - Dhrystone 2 (LPS)	14871052
Standard Deviation	0.2%
BYTE Unix Benchmark - Integer Arithmetic (LPS)	1529524
Standard Deviation	0.2%
BYTE Unix Benchmark - R.A (LPS)	1526892
Standard Deviation	0.1%

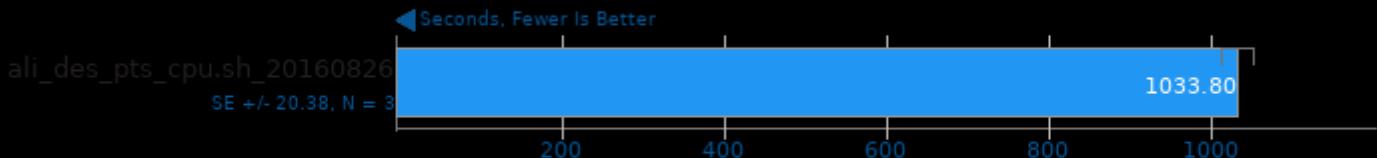
BYTE Unix Benchmark - F.P.A (LPS)	1525448
Standard Deviation	0.1%
SciMark - Composite (Mflops)	609.43
Standard Deviation	2%
SciMark - Monte Carlo (Mflops)	177.77
Standard Deviation	0.3%
SciMark - F.F.T (Mflops)	160.60
Standard Deviation	2.3%
SciMark - S.M.M (Mflops)	919.71
Standard Deviation	2.1%
SciMark - D.L.M.F (Mflops)	1154
Standard Deviation	3.7%
SciMark - J.S.O.R (Mflops)	634.76
Standard Deviation	0.2%
Gcrypt Library - C.E.C (us)	4160
Standard Deviation	0%
TSCP - A.C.P (Nodes/s)	574814
Standard Deviation	0.5%
John The Ripper - Blowfish (Real C/S)	761
Standard Deviation	0.8%
John The Ripper - Traditional DES (Real C/S)	3329333
Standard Deviation	2.7%
John The Ripper - MD5 (Real C/S)	12358
Standard Deviation	1.6%
VP8 libvpx Encoding - vpxenc (FPS)	18.83
Standard Deviation	1.8%
x264 - H.2.V.E (FPS)	27.10
Standard Deviation	3.3%
x264 OpenCL - H.2.V.E (FPS)	27.16
Standard Deviation	3.2%
GraphicsMagick - Blur (Iterations/min)	35
Standard Deviation	0%
GraphicsMagick - Sharpen (Iterations/min)	16
Standard Deviation	3.2%
GraphicsMagick - Resizing (Iterations/min)	50
Standard Deviation	0%
GraphicsMagick - HWB Color Space (Iterations/min)	72
Standard Deviation	0.8%
GraphicsMagick - L.A.T (Iterations/min)	44
Standard Deviation	1.3%
7-Zip Compression - C.S.T (MIPS)	3948
Standard Deviation	0.6%
ebizzy - P.T.S.v.4.0 (Records/s)	5553
Standard Deviation	0.7%
Timed Apache Compilation - Time To Compile (sec)	98.02
Standard Deviation	0.6%
Timed ImageMagick Compilation - Time To Compile (sec)	232.64
Standard Deviation	0.6%
Timed Linux Kernel Compilation - Time To Compile (sec)	658.91
Standard Deviation	0.5%
Timed MPlayer Compilation - Time To Compile (sec)	201.61
Standard Deviation	2.5%
Timed PHP Compilation - Time To Compile (sec)	109.62

	Standard Deviation	0.9%
C-Ray - Total Time (sec)	214.43	
	Standard Deviation	0.4%
Parallel BZIP2 Compression - 2.F.C (sec)	60.89	
	Standard Deviation	6.3%
Primesieve - 1.P.N.G (sec)	427.09	
	Standard Deviation	0.1%
Smallpt - G.I.R.1.S (sec)	526	
	Standard Deviation	0.2%
Stockfish - Total Time (ms)	7422	
	Standard Deviation	0.8%
Gzip Compression - 2.F.C (sec)	41.12	
	Standard Deviation	72.9%
LZMA Compression - 2.F.C (sec)	623.18	
	Standard Deviation	1.6%
Crafty - Elapsed Time (sec)	153.72	
	Standard Deviation	0.6%
ddraw - R.T.P.I.C (sec)	110.39	
	Standard Deviation	0.8%
FFmpeg - H.2.H.T.N.D (sec)	39.83	
	Standard Deviation	4.1%
GnuPG - 1.F.E (sec)	16.32	
	Standard Deviation	3.3%
Mencoder - AVI To LAVC (sec)	44.76	
	Standard Deviation	2.1%
Sample Pi Program - P.T.S.v.4.0 (sec)	7.00	
	Standard Deviation	0.9%
Sudokut - Total Time (sec)	62.40	
	Standard Deviation	4.7%
System BZIP2 Decompression - P.T.S.v.4.0 (sec)	22.62	
	Standard Deviation	4.2%
System GZIP Decompression - P.T.S.v.4.0 (sec)	7.37	
	Standard Deviation	8.1%
System XZ Decompression - P.T.S.v.4.0 (sec)	8.93	
	Standard Deviation	5.2%
System Libtiff Decompression - P.T.S.v.4.0 (ms)	13.40	
	Standard Deviation	234.5%
System JPEG Library Decode - Float (ms)	4.33	
	Standard Deviation	176.8%
System JPEG Library Decode - Integer (ms)	1.86	
	Standard Deviation	11.6%
System JPEG Library Decode - Fast Integer (ms)	1.87	
	Standard Deviation	11.1%
System Libxml2 Parsing - 1 MB (ms)	1276	
System Libxml2 Parsing - 2 MB (ms)	3778	
	Standard Deviation	2%
System Libxml2 Parsing - 3 MB (ms)	5506	
	Standard Deviation	0.2%
System Libxml2 Parsing - 112 MB (ms)	169656	
	Standard Deviation	0.5%
System Libxml2 Parsing - 600 KB (ms)	1165	
System Libxml2 Parsing - 850 KB (ms)	1553	
	Standard Deviation	2.5%

System Libxml2 Parsing - 900 KB (ms) 1113
System Libxml2 Parsing - 950 KB (ms) 1180
Multichase Pointer Chaser - 4.A.6.B.S (ns) 10.93
 Standard Deviation 3.3%
Multichase Pointer Chaser - 1.A.2.B.S (ns) 112.87
 Standard Deviation 6.1%
Multichase Pointer Chaser - 2.A.2.B.S (ns) 107.07
 Standard Deviation 2.8%
Multichase Pointer Chaser - 1.A.2.B.S.2.T (ns) 127.27
 Standard Deviation 4.8%
Perl Benchmarks - Pod2html (seconds) 0.43893055
 Standard Deviation 1%
Perl Benchmarks - Interpreter (seconds) 0.00170702
 Standard Deviation 0.7%

Parboil 2.5

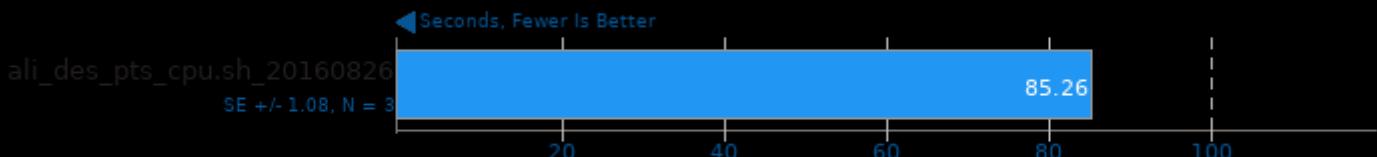
Test: OpenMP LBM



1. (CXX) g++ options: -lm -lpthread -lgomp -ffast-math -fopenmp

Parboil 2.5

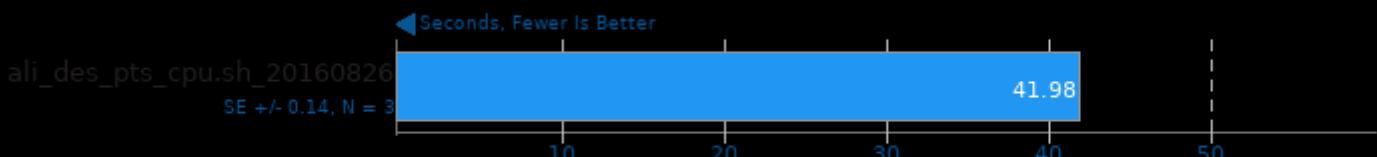
Test: OpenMP CUTCP



1. (CXX) g++ options: -lm -lpthread -lgomp -ffast-math -fopenmp

Parboil 2.5

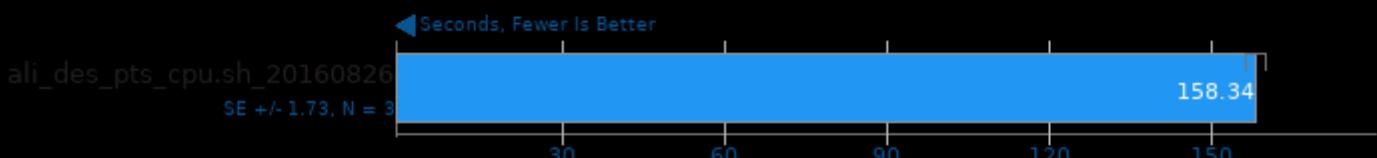
Test: OpenMP MRI-Q



1. (CXX) g++ options: -lm -lpthread -lgomp -ffast-math -fopenmp

Parboil 2.5

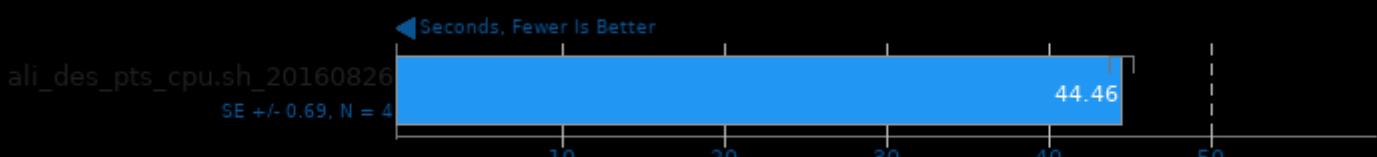
Test: OpenMP Stencil



1. (CXX) g++ options: -lm -lpthread -lgomp -ffast-math -fopenmp

Parboil 2.5

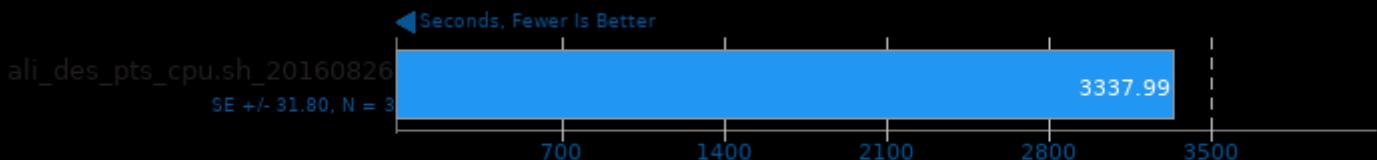
Test: OpenMP MRI Gridding



1. (CXX) g++ options: -lm -lpthread -lgomp -ffast-math -fopenmp

Rodinia 2.4

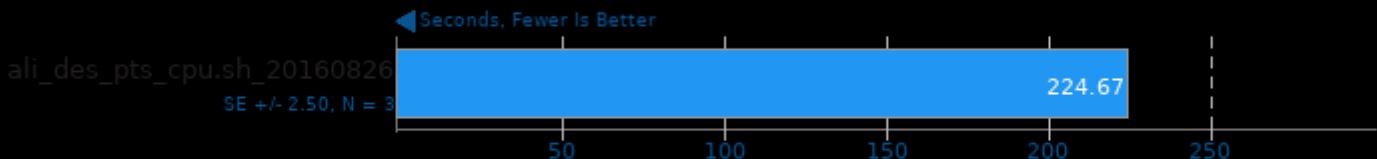
Test: OpenMP LavaMD



1. (CXX) g++ options: -O3 -fopenmp

Rodinia 2.4

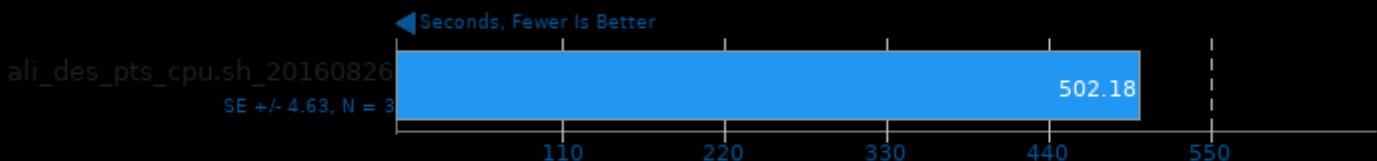
Test: OpenMP Leukocyte



1. (CXX) g++ options: -O3 -fopenmp

Rodinia 2.4

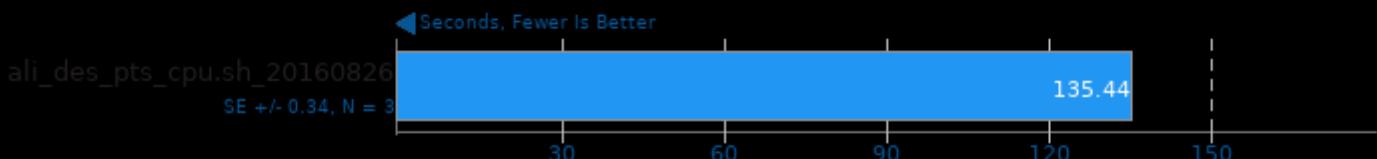
Test: OpenMP CFD Solver



1. (CXX) g++ options: -O3 -fopenmp

Rodinia 2.4

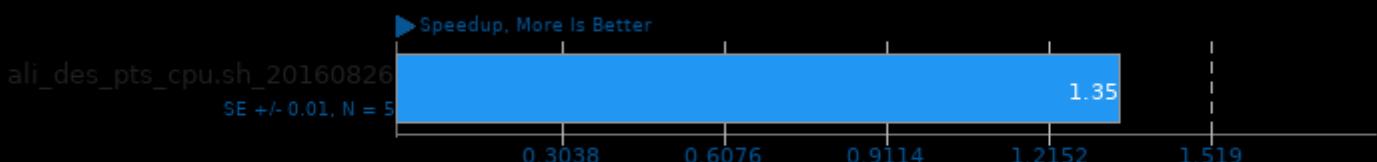
Test: OpenMP Streamcluster



1. (CXX) g++ options: -O3 -fopenmp

CLOMP 3.3

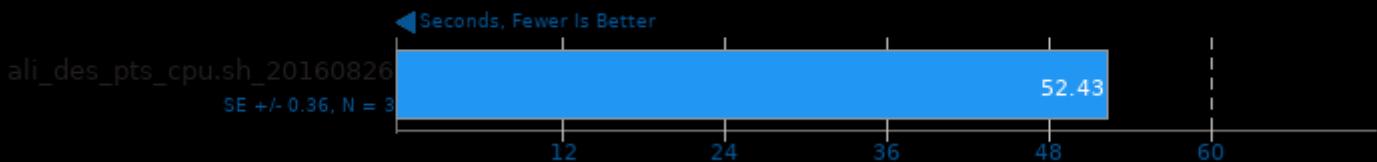
Static OMP Speedup



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

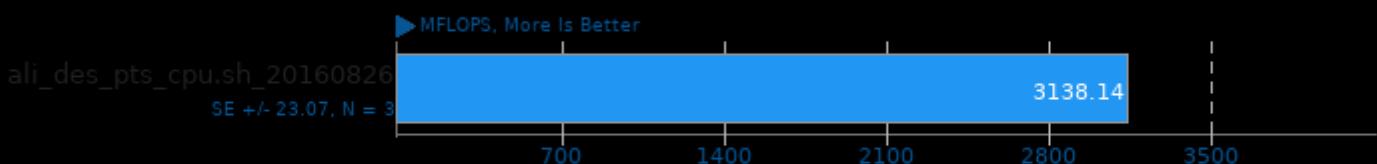
Dolfyn 0.527

Computational Fluid Dynamics



FFTE 5.0

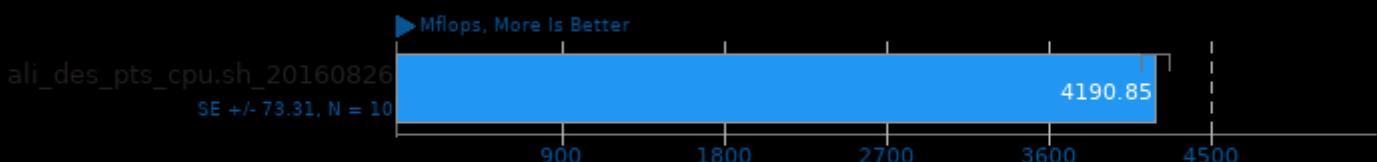
Test: N=64, 1D Complex FFT Routine



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 -f

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 -f

FFTW 3.3.4

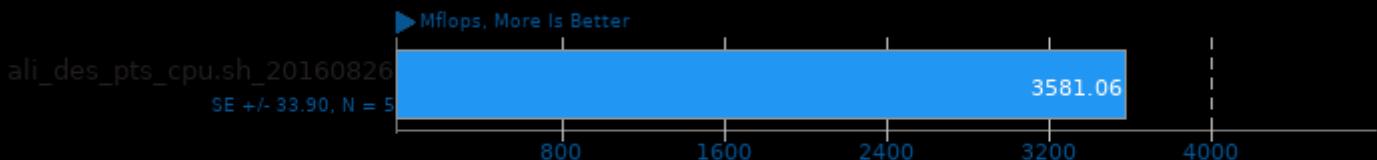
Build: Stock - Size: 2D FFT Size 32



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

FFTW 3.3.4

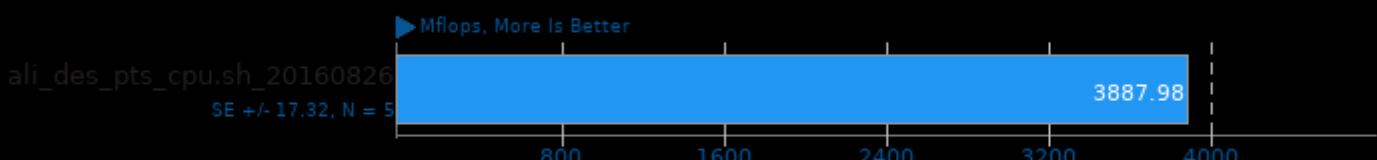
Build: Stock - Size: 2D FFT Size 64



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

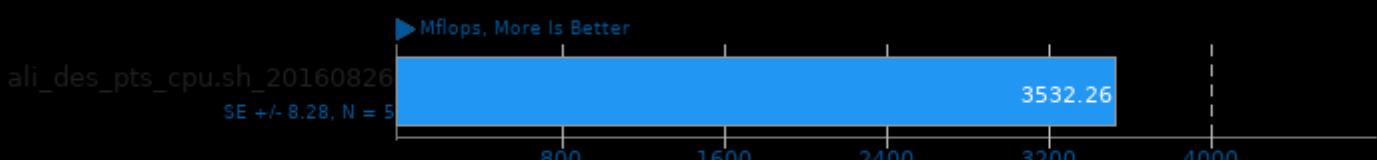
Build: Stock - Size: 1D FFT Size 128



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

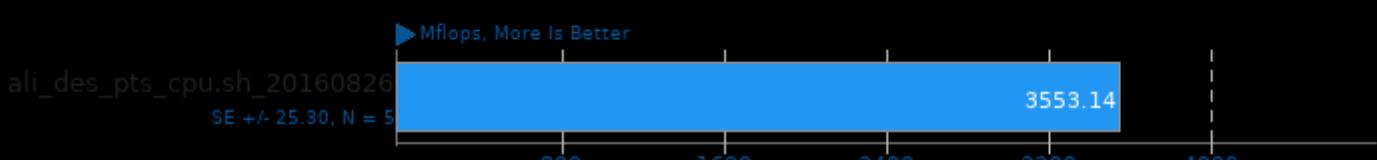
Build: Stock - Size: 1D FFT Size 256



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

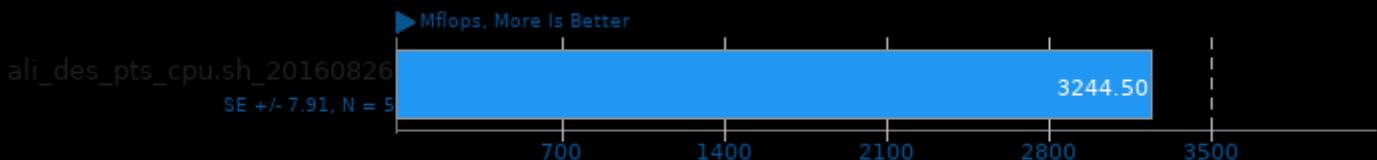
Build: Stock - Size: 1D FFT Size 512



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

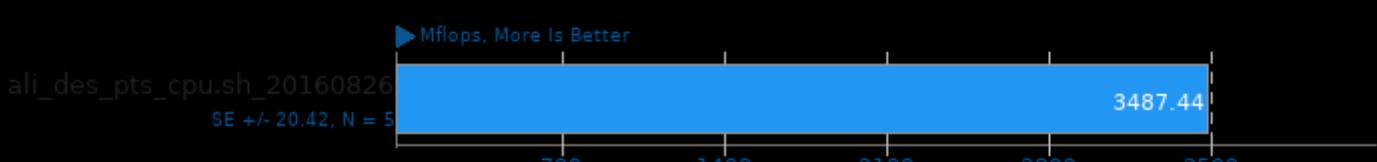
Build: Stock - Size: 2D FFT Size 512



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

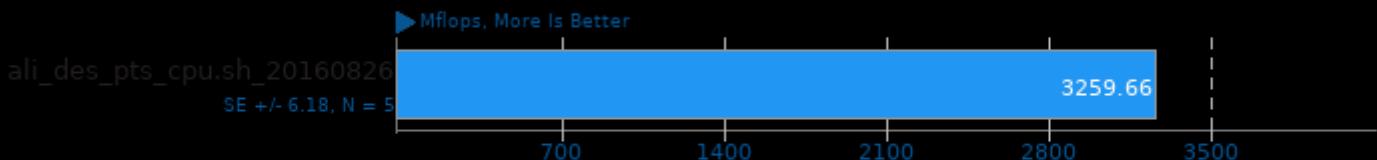
Build: Stock - Size: 1D FFT Size 1024



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

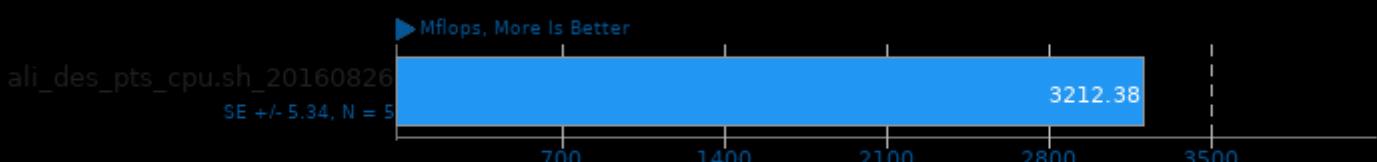
Build: Stock - Size: 1D FFT Size 2048



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

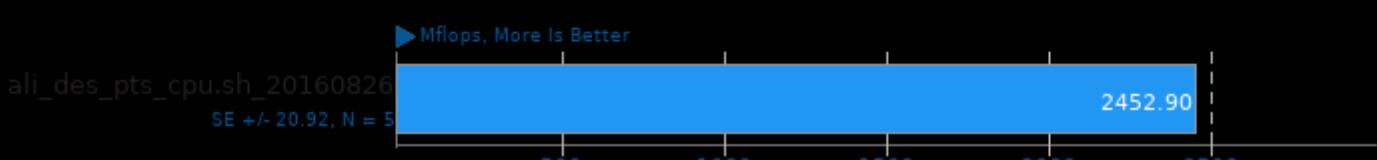
Build: Stock - Size: 2D FFT Size 1024



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

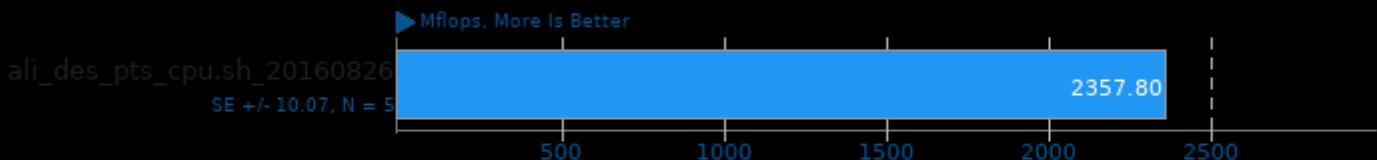
Build: Stock - Size: 2D FFT Size 2048



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

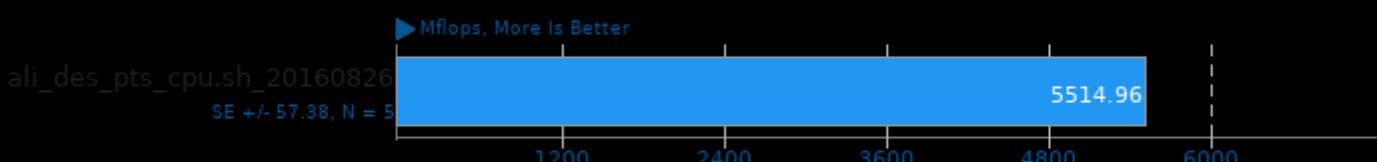
Build: Stock - Size: 2D FFT Size 4096



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

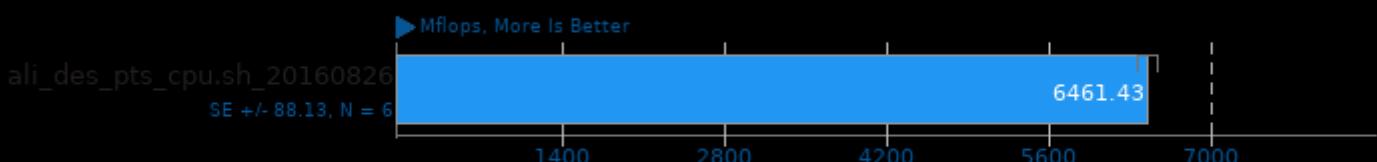
Build: Float + SSE - Size: 1D FFT Size 32



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

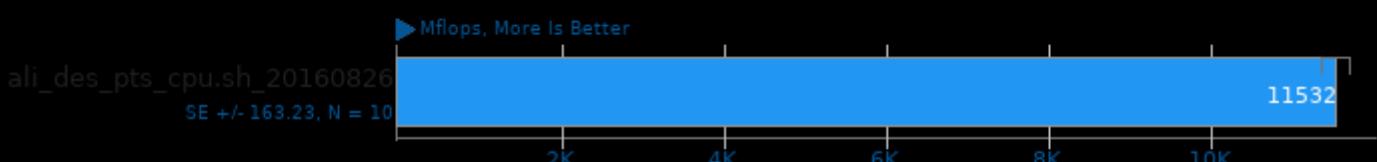
Build: Float + SSE - Size: 1D FFT Size 64



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

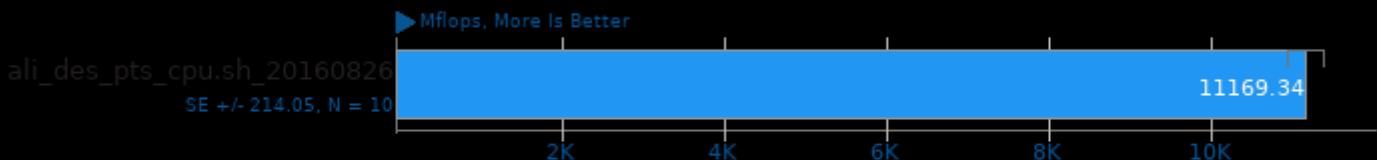
Build: Float + SSE - Size: 2D FFT Size 32



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

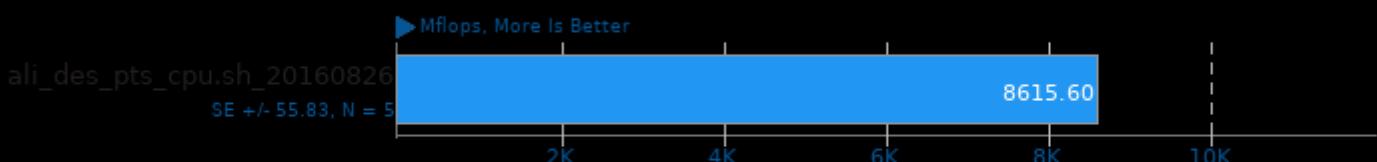
Build: Float + SSE - Size: 2D FFT Size 64



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

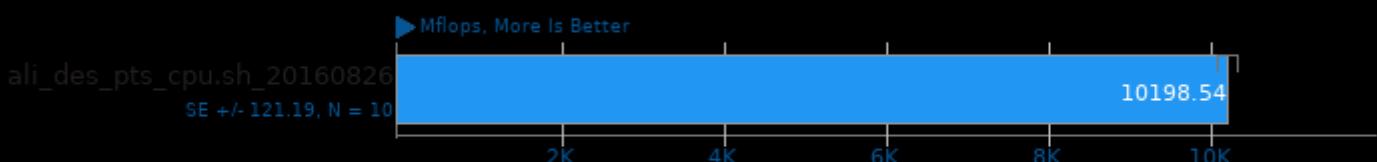
Build: Float + SSE - Size: 1D FFT Size 128



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

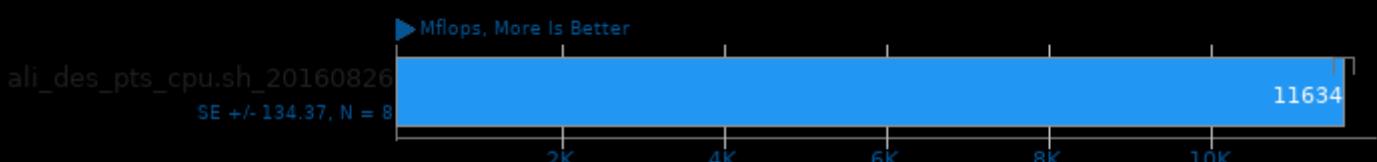
Build: Float + SSE - Size: 1D FFT Size 256



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

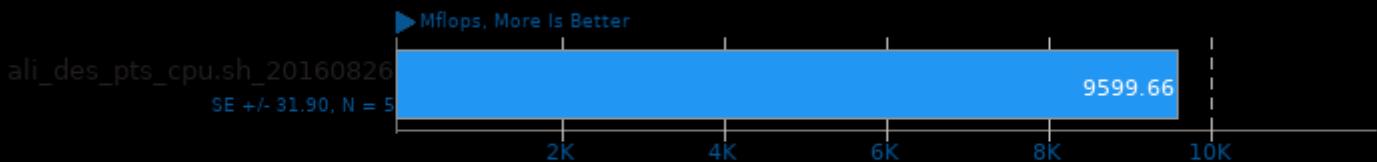
Build: Float + SSE - Size: 1D FFT Size 512



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

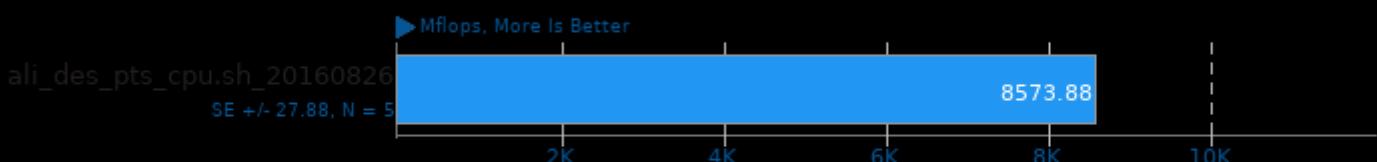
Build: Float + SSE - Size: 2D FFT Size 128



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

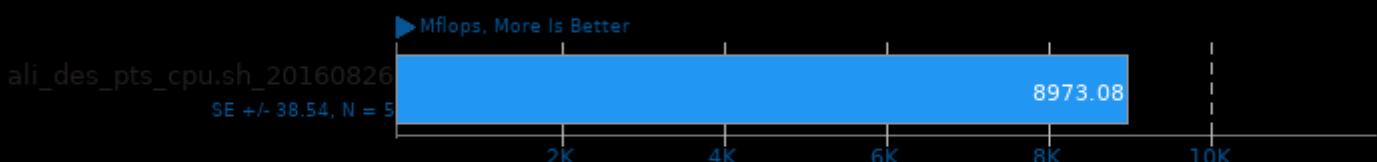
Build: Float + SSE - Size: 2D FFT Size 256



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

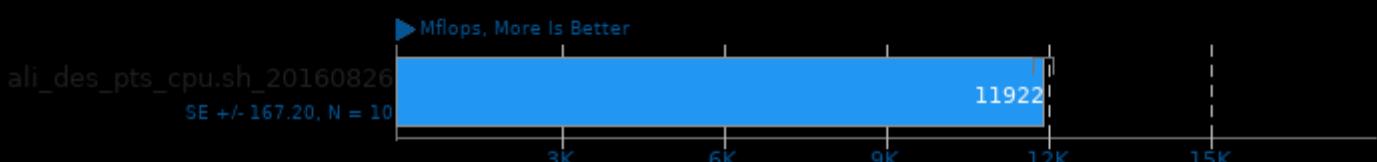
Build: Float + SSE - Size: 2D FFT Size 512



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

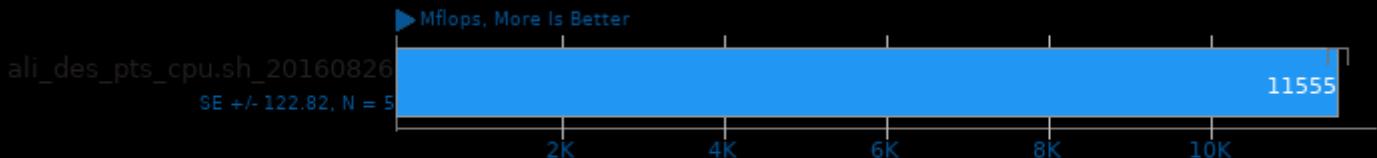
Build: Float + SSE - Size: 1D FFT Size 1024



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

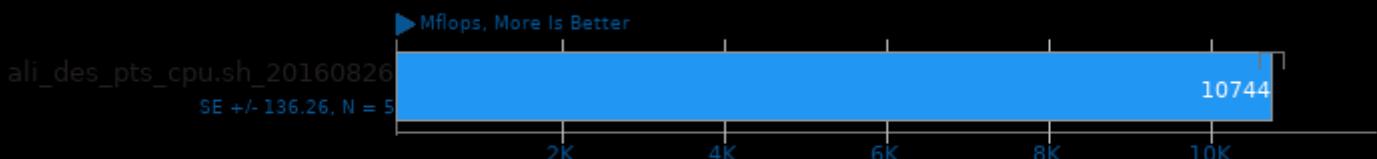
Build: Float + SSE - Size: 1D FFT Size 2048



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

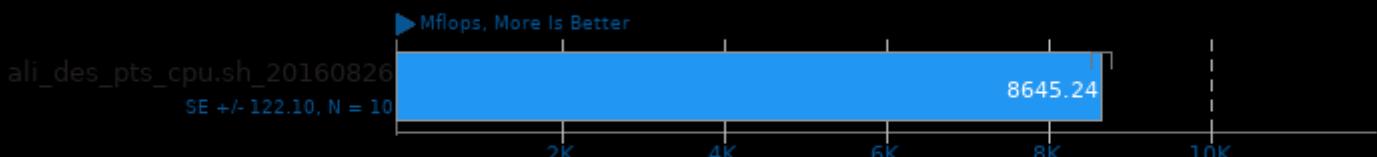
Build: Float + SSE - Size: 1D FFT Size 4096



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

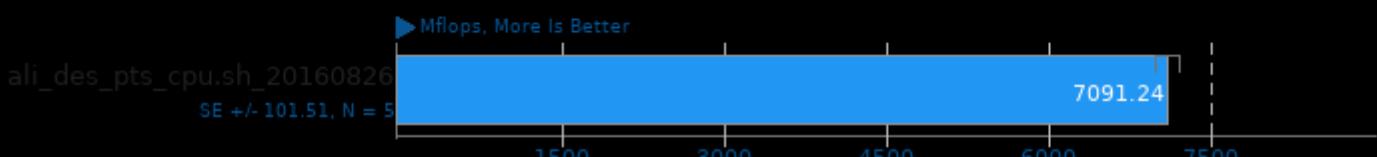
Build: Float + SSE - Size: 2D FFT Size 1024



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

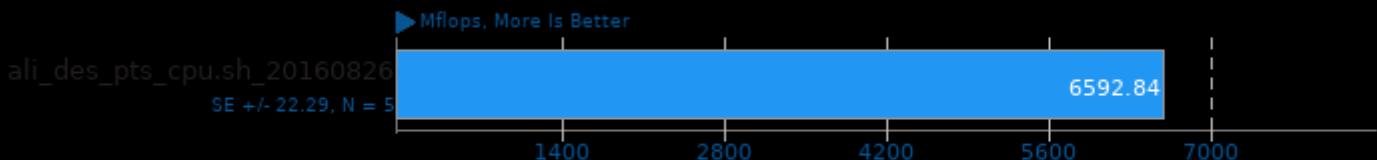
Build: Float + SSE - Size: 2D FFT Size 2048



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

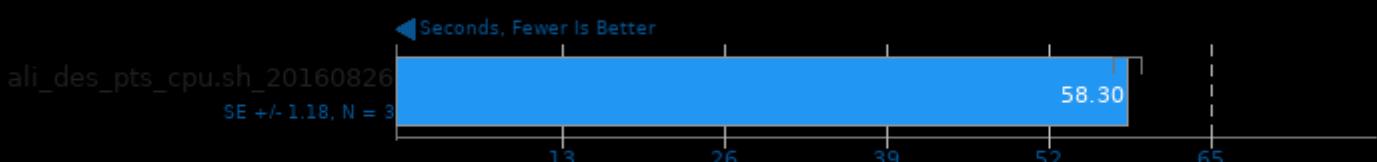
Build: Float + SSE - Size: 2D FFT Size 4096



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

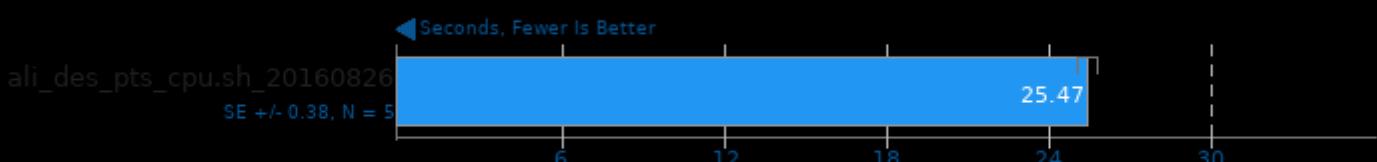
Pfam Database Search



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

Timed MAFFT Alignment 6.864

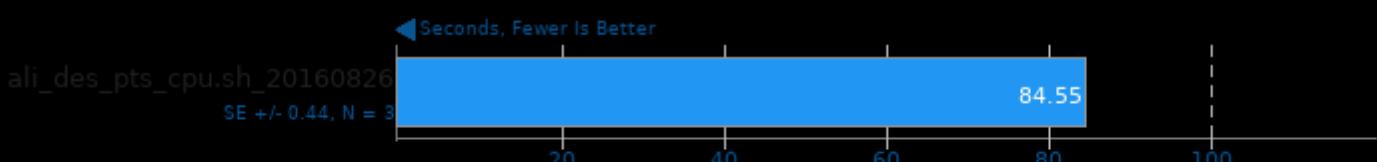
Multiple Sequence Alignment



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

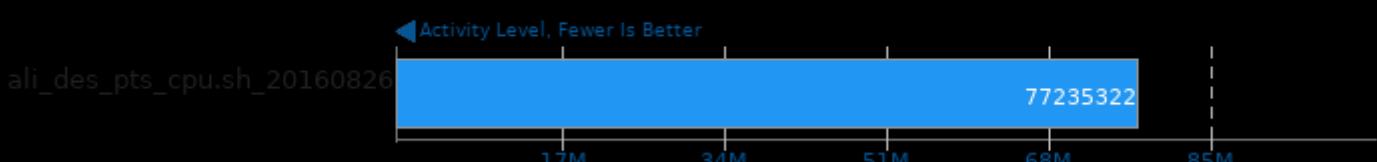
Timed MrBayes Analysis 3.1.2

Primate Phylogeny Analysis



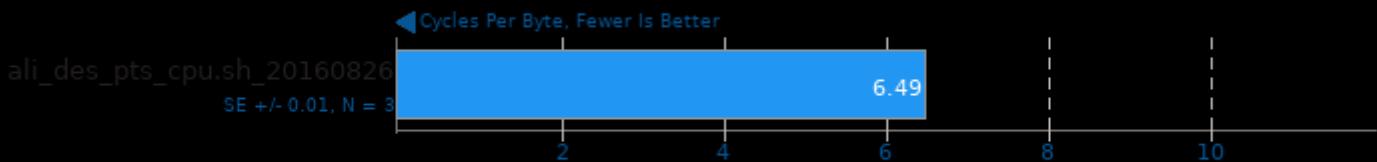
NoiseLevel

Phoronix Test Suite v6.4.0



BLAKE2 20130131

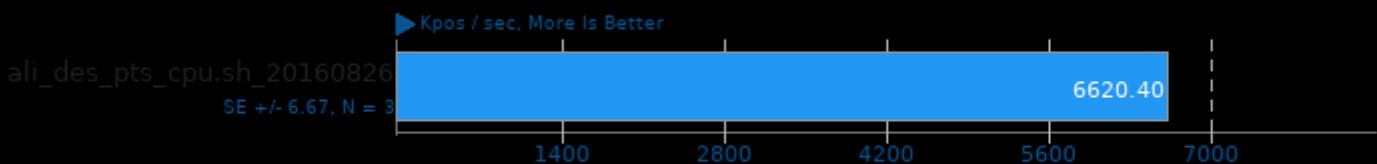
Phoronix Test Suite v6.4.0



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

Fhourstones 3.1

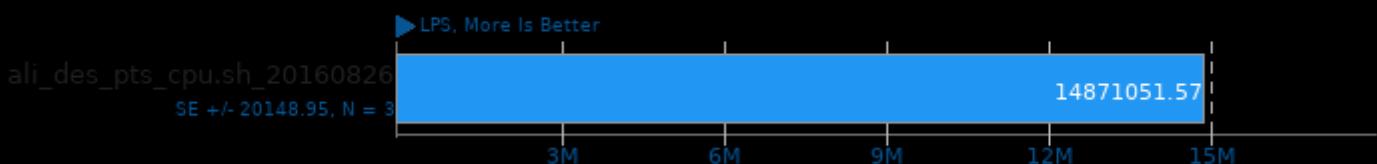
Complex Connect-4 Solving



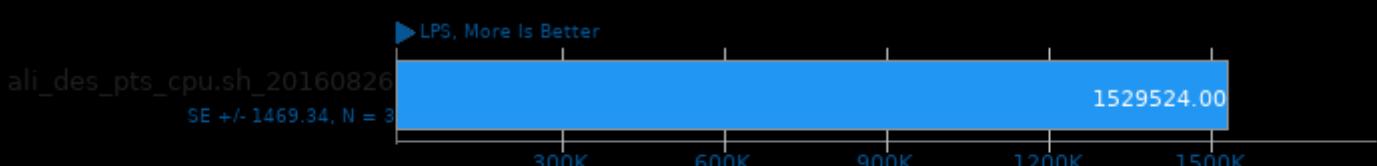
1. (CC) gcc options: -O3

BYTE Unix Benchmark 3.6

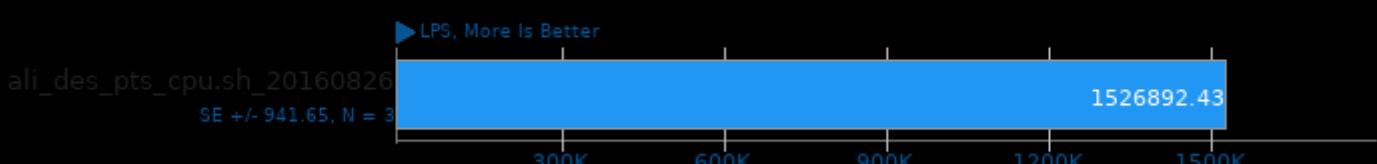
Computational Test: Dhrystone 2

**BYTE Unix Benchmark 3.6**

Computational Test: Integer Arithmetic

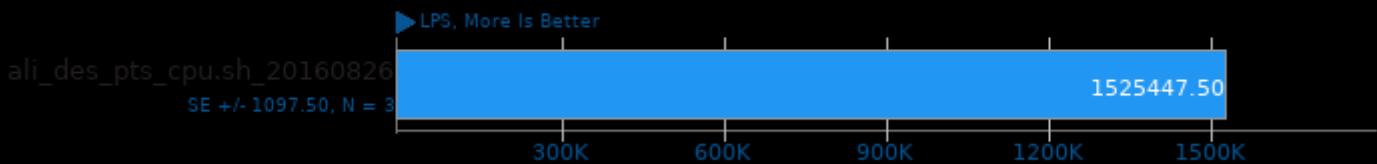
**BYTE Unix Benchmark 3.6**

Computational Test: Register Arithmetic



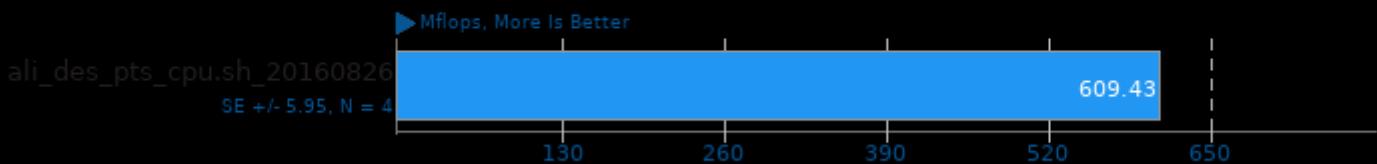
BYTE Unix Benchmark 3.6

Computational Test: Floating-Point Arithmetic



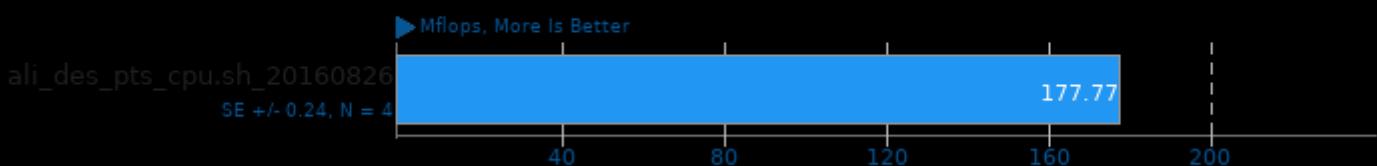
SciMark 2.0

Computational Test: Composite



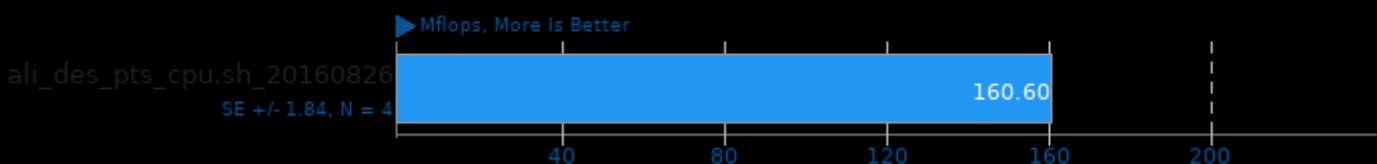
SciMark 2.0

Computational Test: Monte Carlo



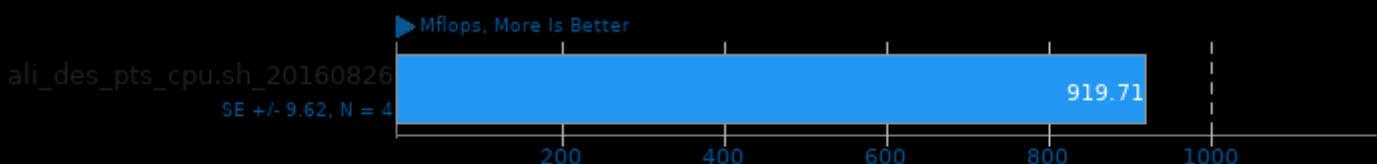
SciMark 2.0

Computational Test: Fast Fourier Transform



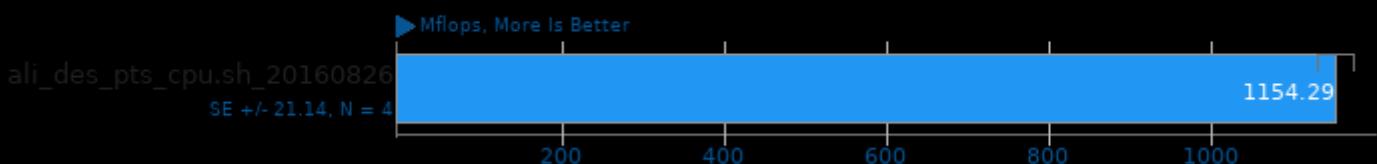
SciMark 2.0

Computational Test: Sparse Matrix Multiply



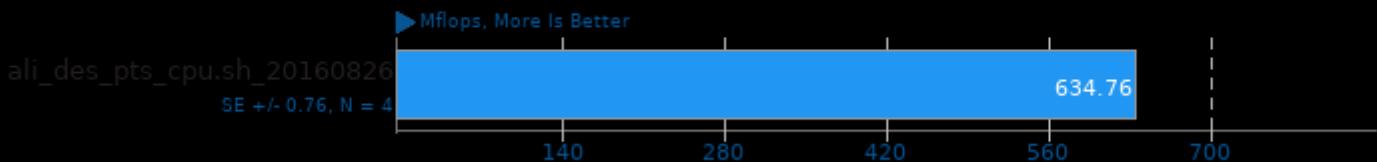
SciMark 2.0

Computational Test: Dense LU Matrix Factorization



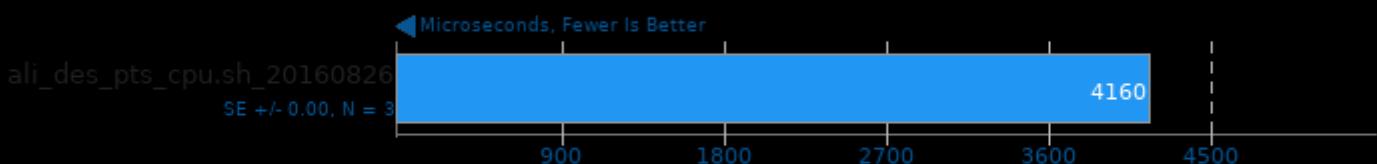
SciMark 2.0

Computational Test: Jacobi Successive Over-Relaxation



Gcrypt Library 1.4.4

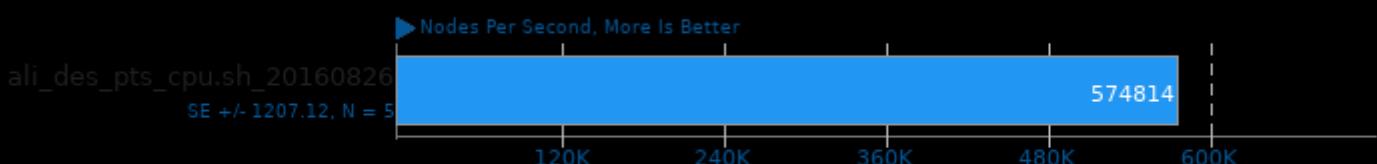
CAMELLIA256-ECB Cipher



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

TSCP 1.81

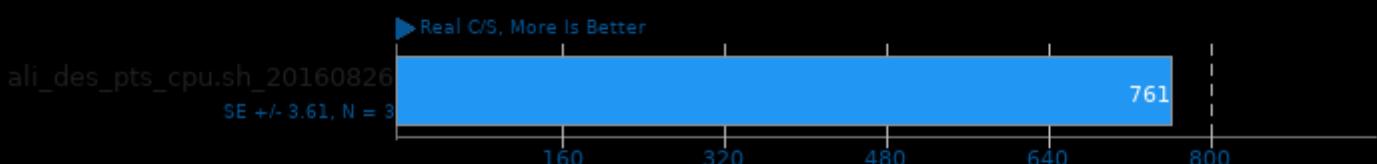
AI Chess Performance



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

John The Ripper 1.8.0

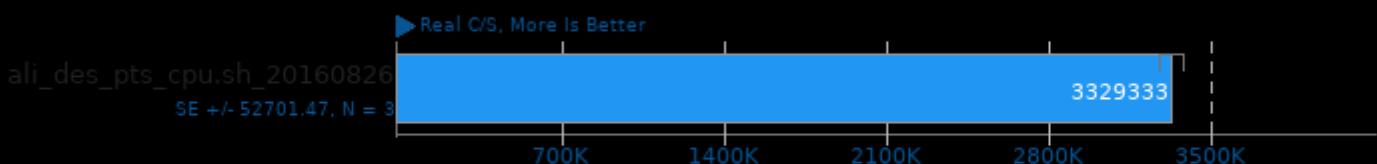
Test: Blowfish



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

John The Ripper 1.8.0

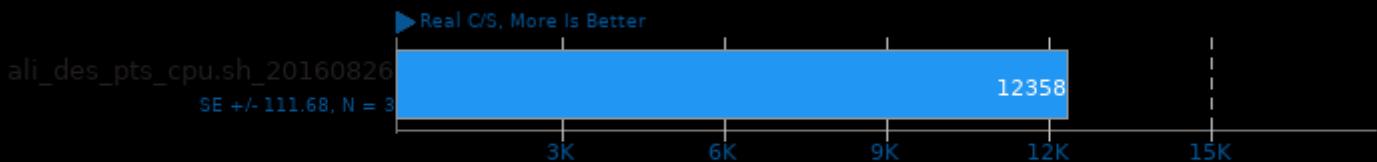
Test: Traditional DES



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

John The Ripper 1.8.0

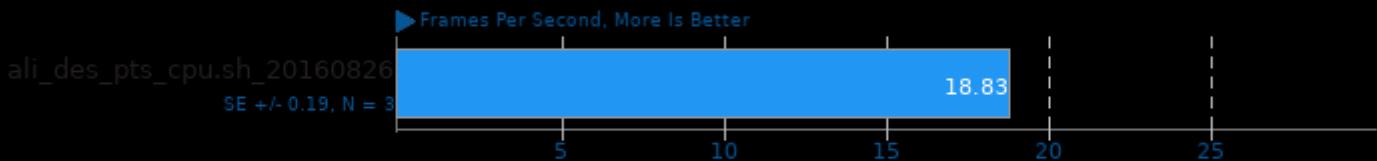
Test: MD5



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

VP8 libvpx Encoding 1.3.0

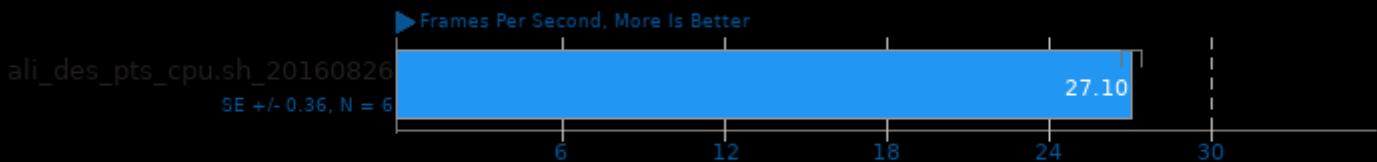
vpxenc



1. (CXX) g++ options: -m64 -lpthread -lxml -O3 -U_FORTIFY_SOURCE

x264 2015-11-02

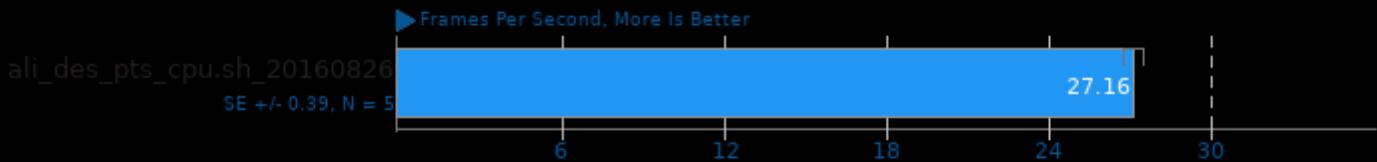
H.264 Video Encoding



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

x264 OpenCL 2014-08-30

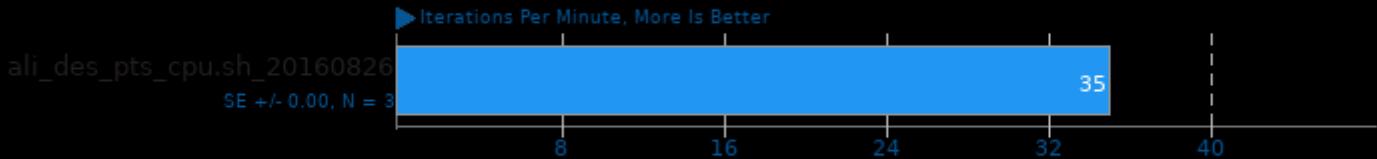
H.264 Video Encoding



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

GraphicsMagick 1.3.19

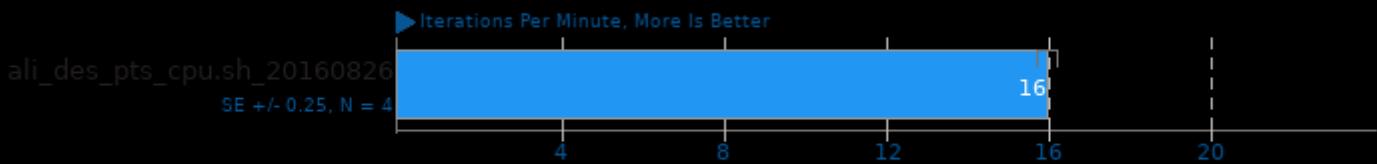
Operation: Blur



1. (CC) gcc options: -std=gnu99 -fopenmp -O2 -lpthread -lfreetype -lXext -lX11 -lbz2 -lz -lm -lgomp -lpthread

GraphicsMagick 1.3.19

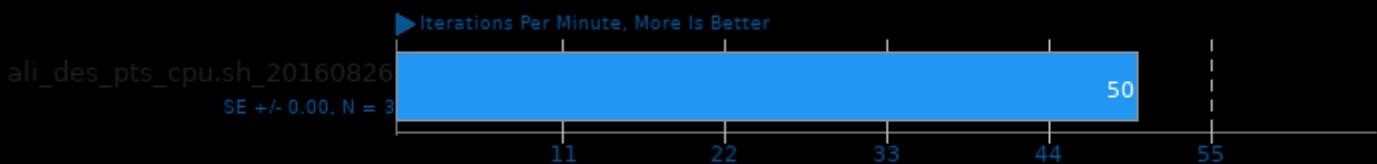
Operation: Sharpen



1. (CC) gcc options: -std=gnu99 -fopenmp -O2 -pthread -lfreetype -lXext -lX11 -lbz2 -lz -lm -lgomp -lpthread

GraphicsMagick 1.3.19

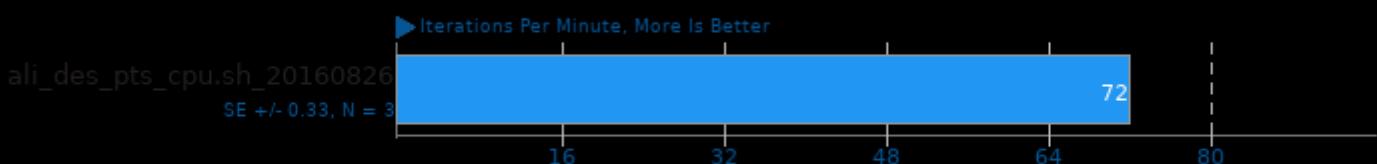
Operation: Resizing



1. (CC) gcc options: -std=gnu99 -fopenmp -O2 -pthread -lfreetype -lXext -lX11 -lbz2 -lz -lm -lgomp -lpthread

GraphicsMagick 1.3.19

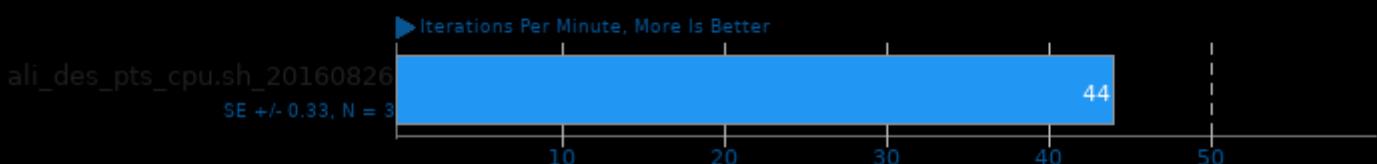
Operation: HWB Color Space



1. (CC) gcc options: -std=gnu99 -fopenmp -O2 -pthread -lfreetype -lXext -lX11 -lbz2 -lz -lm -lgomp -lpthread

GraphicsMagick 1.3.19

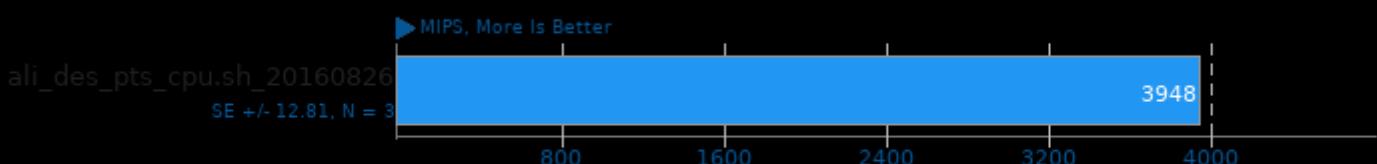
Operation: Local Adaptive Thresholding



1. (CC) gcc options: -std=gnu99 -fopenmp -O2 -pthread -lfreetype -lXext -lX11 -lbz2 -lz -lm -lgomp -lpthread

7-Zip Compression 9.20.1

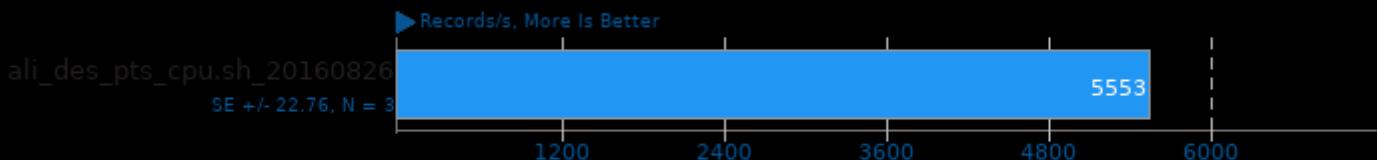
Compress Speed Test



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

ebizzy 0.3

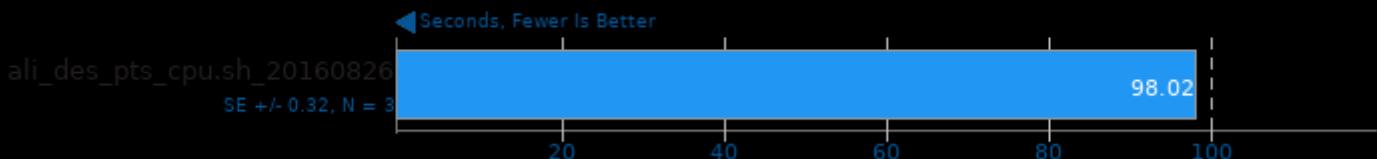
Phoronix Test Suite v6.4.0



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

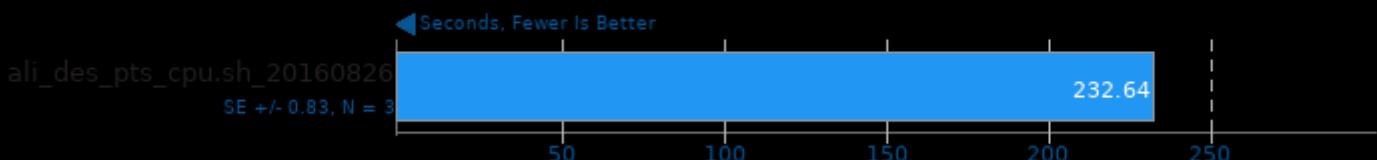
Timed Apache Compilation 2.4.7

Time To Compile



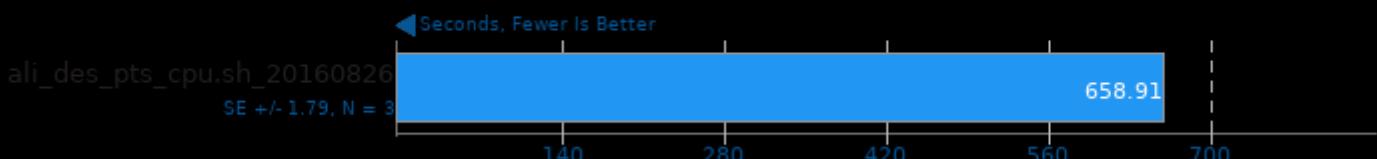
Timed ImageMagick Compilation 6.9.0

Time To Compile



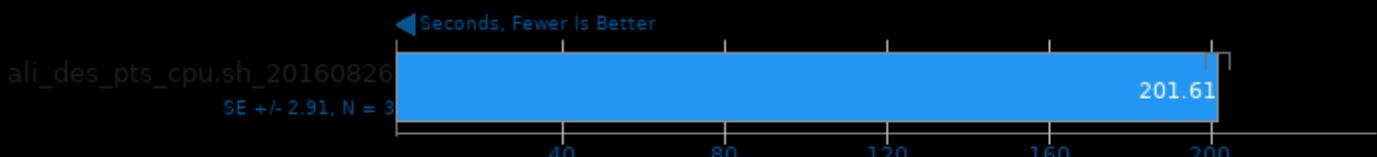
Timed Linux Kernel Compilation 4.3

Time To Compile



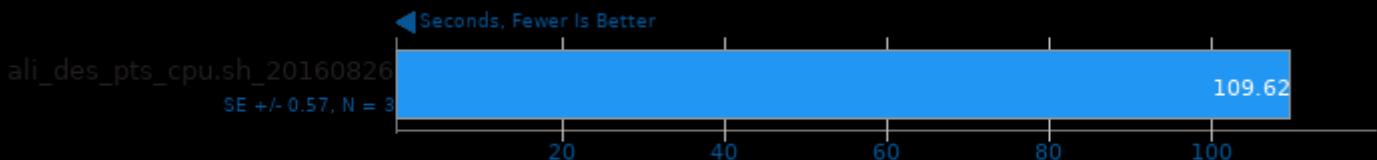
Timed MPlayer Compilation 1.0-rc3

Time To Compile



Timed PHP Compilation 5.2.9

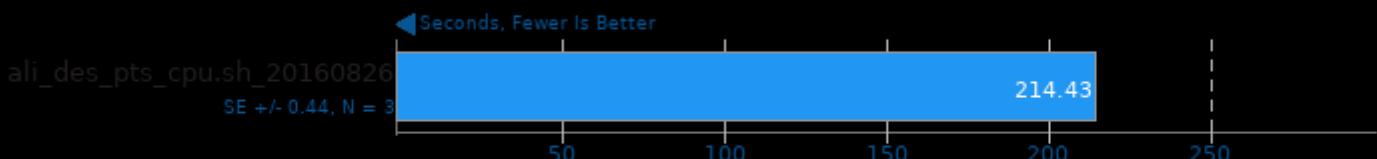
Time To Compile



1. (CC) gcc options: -O2 -pedantic -ldl -lz -lm

C-Ray 1.1

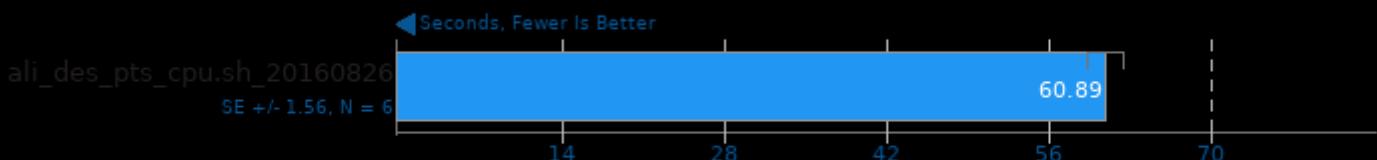
Total Time



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

Parallel BZIP2 Compression 1.1.12

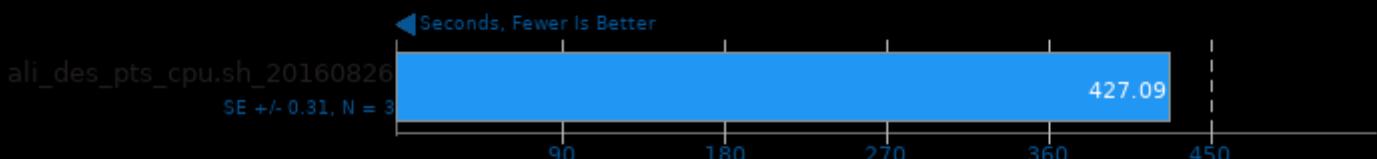
256MB File Compression



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

Primesieve 5.4.2

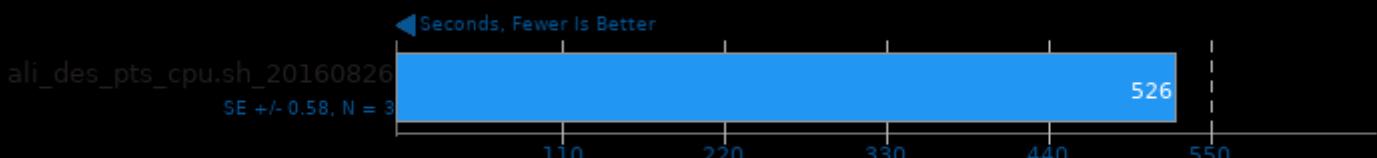
le12 Prime Number Generation



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

Smallpt 1.0

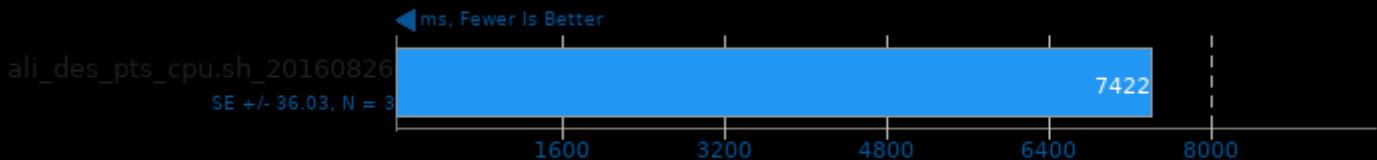
Global Illumination Renderer; 100 Samples



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

Stockfish 2014-11-26

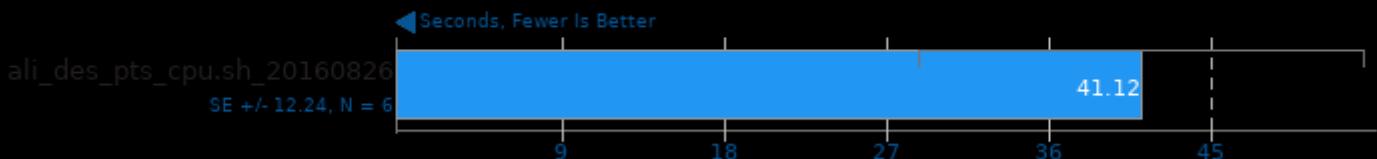
Total Time



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

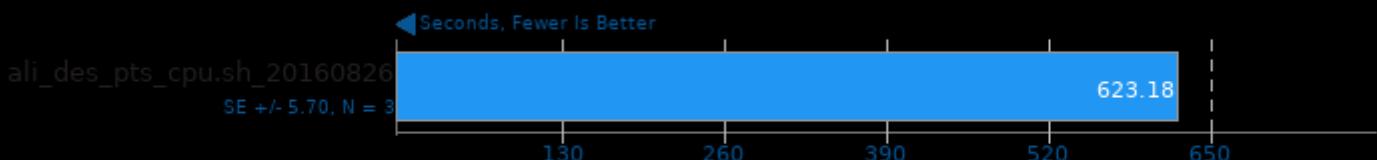
Gzip Compression

2GB File Compression



LZMA Compression

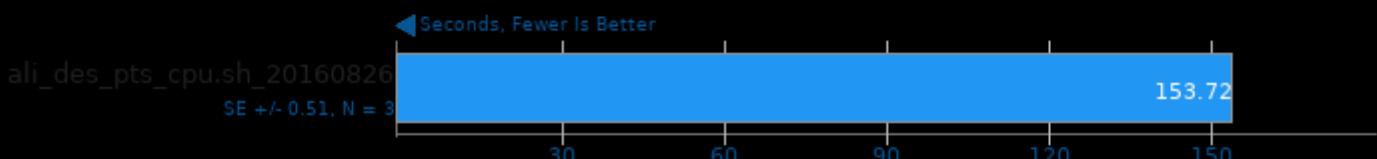
256MB File Compression



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

Crafty 23.4

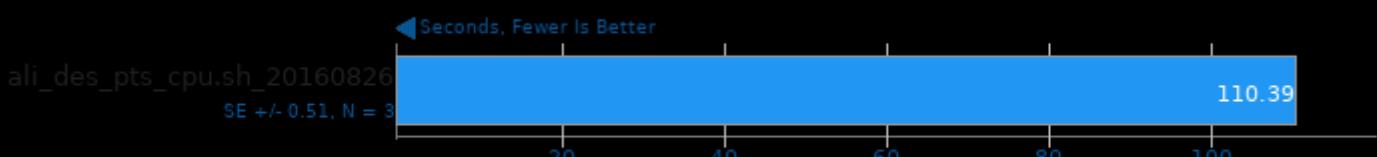
Elapsed Time



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

dcraw

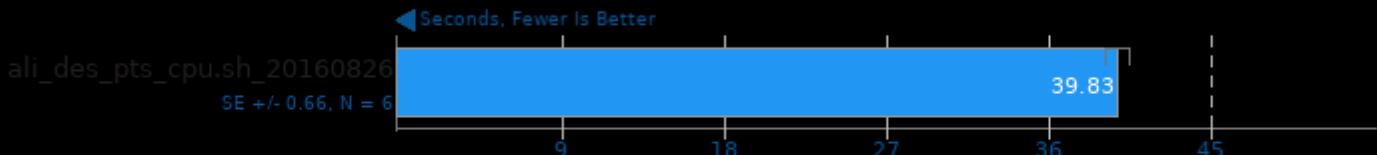
RAW To PPM Image Conversion



1. (CC) gcc options: -lm

FFmpeg 2.8.1

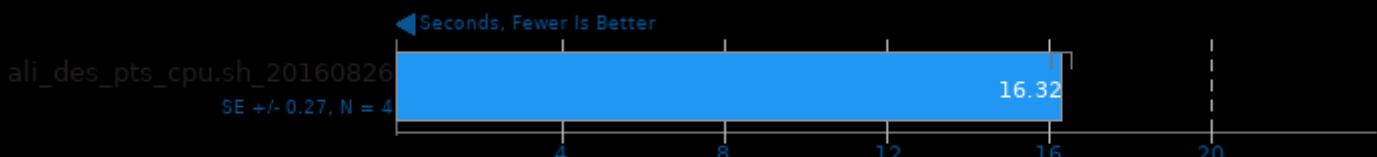
H.264 HD To NTSC DV



1. (CC) gcc options: -lavdevice -lavfilter -lavformat -lavcodec -lswresample -lswscale -lavutil -lXv -lX11 -lXext -lxcb -lxcb-shm -lxcb-xfixes -lxcb-render -lxcb

GnuPG 1.4.10

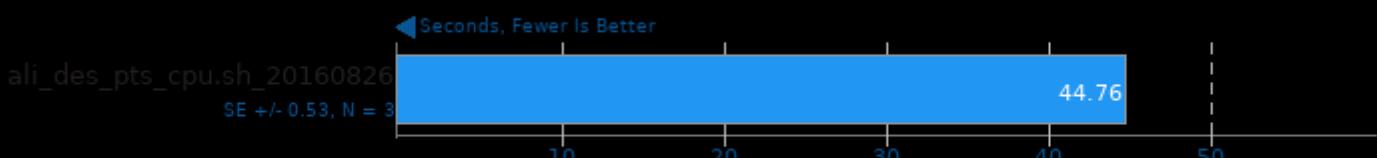
1GB File Encryption



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

Mencoder 1.1

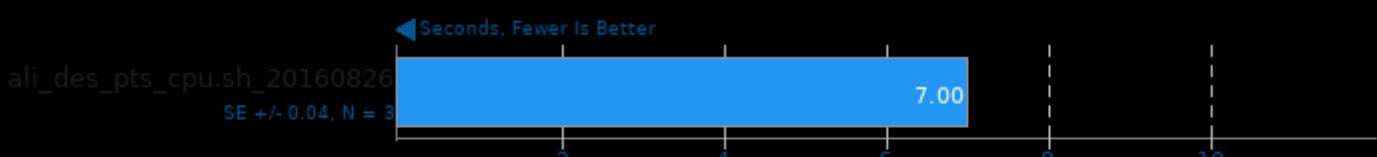
AVI To LAVC



1. (CC) gcc options: -lm -ffast-math -lpng -lz -lfreetype -fontconfig -lbz2 -lpthread -ldl -rdynamic -lXext -lX11 -lXv -lvdpau -lXinerama -lXxf86vm -lGL

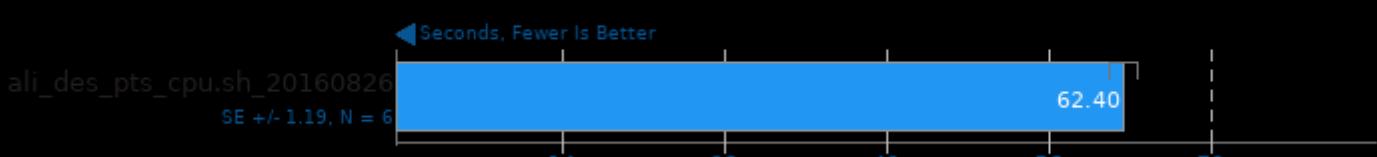
Sample Pi Program

Phoronix Test Suite v6.4.0



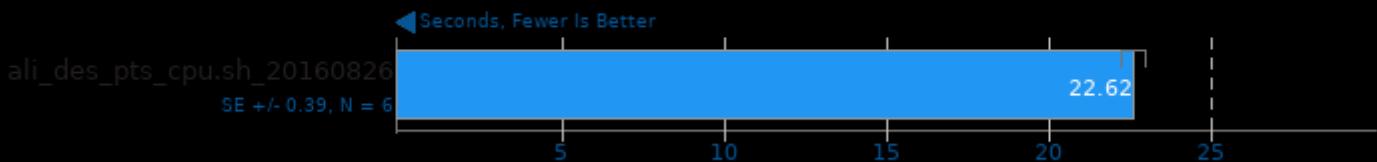
Sudokut 0.4

Total Time



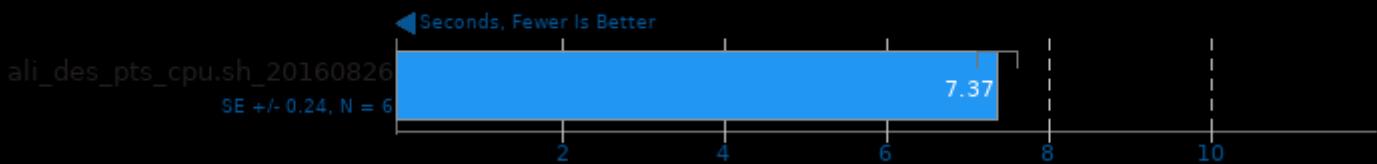
System BZIP2 Decompression

Phoronix Test Suite v6.4.0



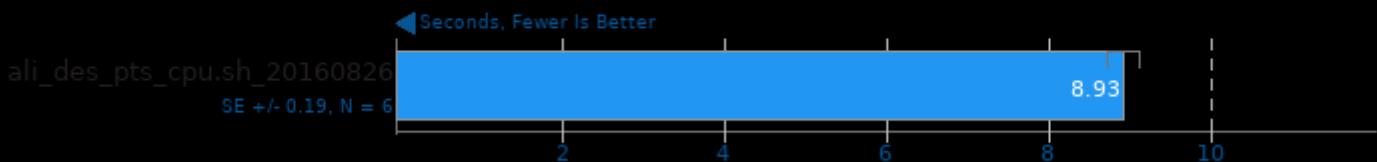
System GZIP Decompression

Phoronix Test Suite v6.4.0



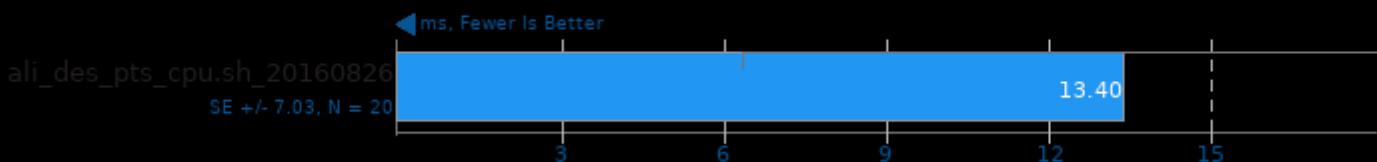
System XZ Decompression

Phoronix Test Suite v6.4.0



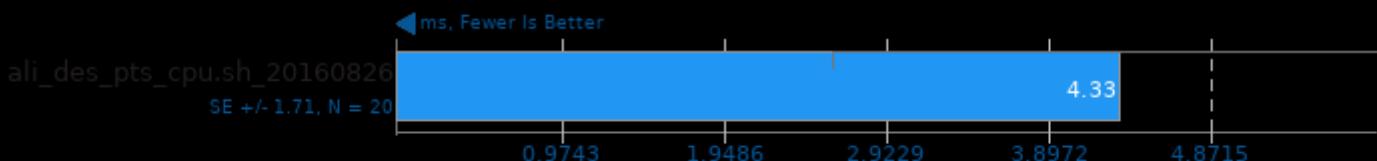
System Libtiff Decompression

Phoronix Test Suite v6.4.0



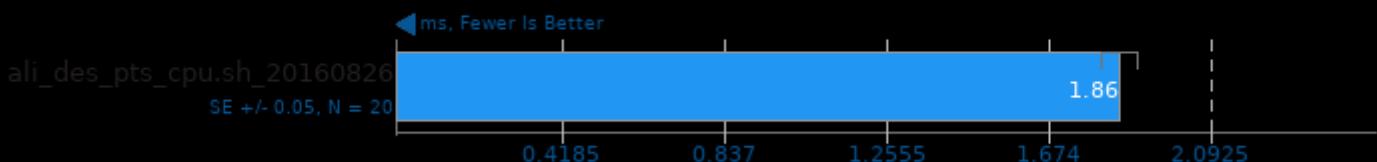
System JPEG Library Decode

DCT method: Float



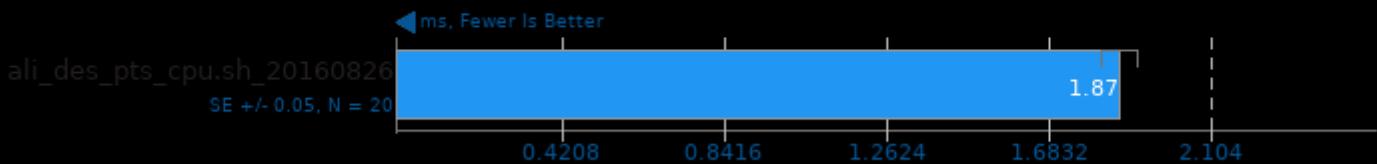
System JPEG Library Decode

DCT method: Integer



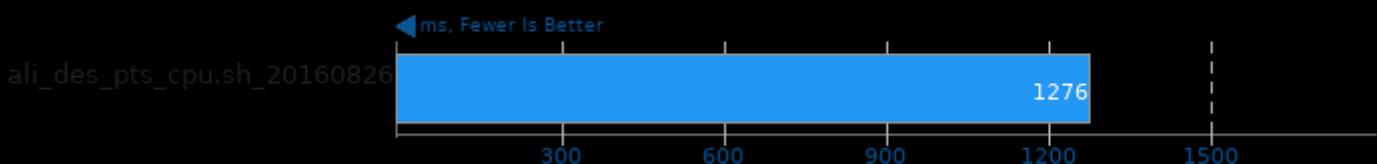
System JPEG Library Decode

DCT method: Fast Integer



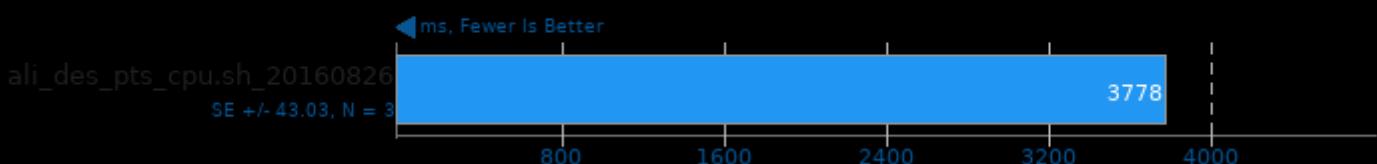
System Libxml2 Parsing

Filesize: 1 MB



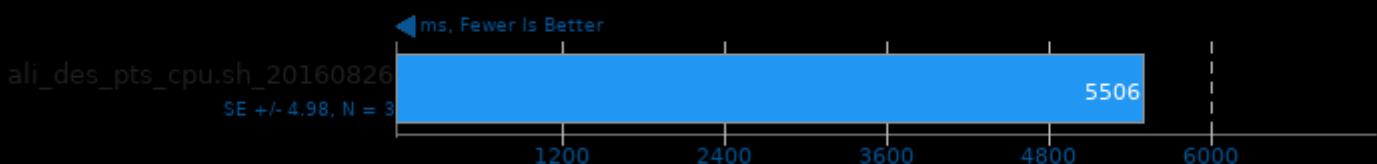
System Libxml2 Parsing

Filesize: 2 MB



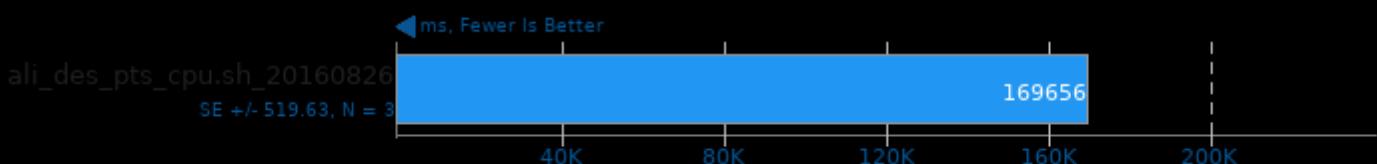
System Libxml2 Parsing

Filesize: 3 MB



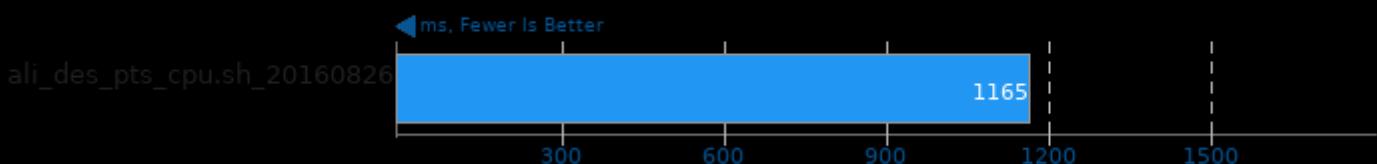
System Libxml2 Parsing

Filesize: 112 MB



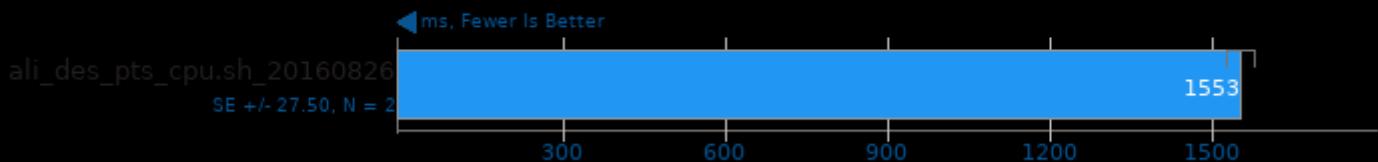
System Libxml2 Parsing

Filesize: 600 KB

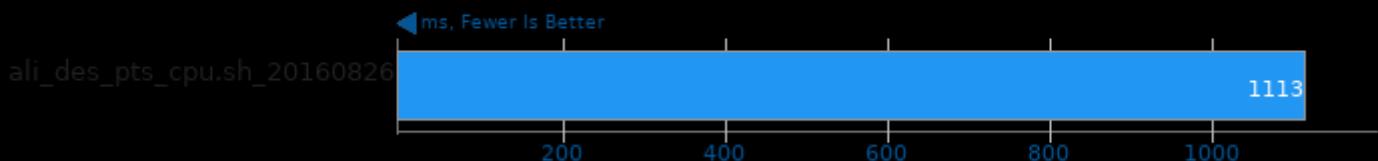


System Libxml2 Parsing

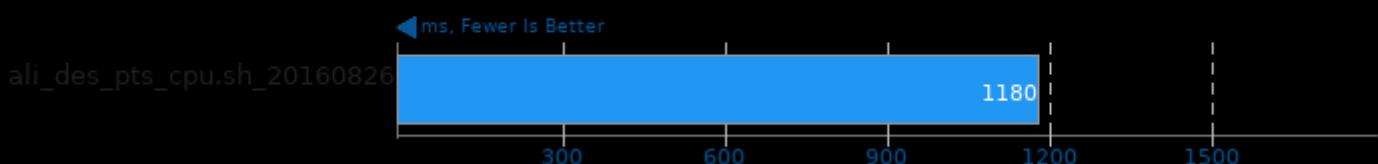
Filesize: 850 KB

**System Libxml2 Parsing**

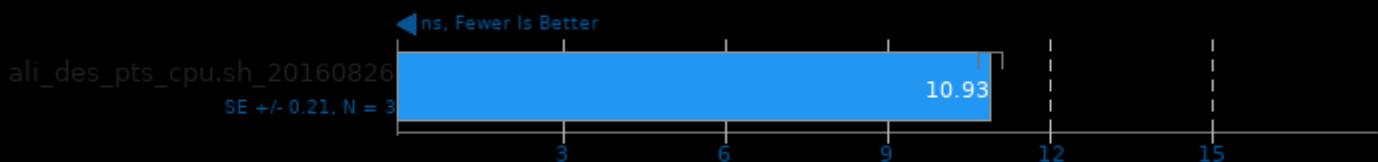
Filesize: 900 KB

**System Libxml2 Parsing**

Filesize: 950 KB

**Multichase Pointer Chaser**

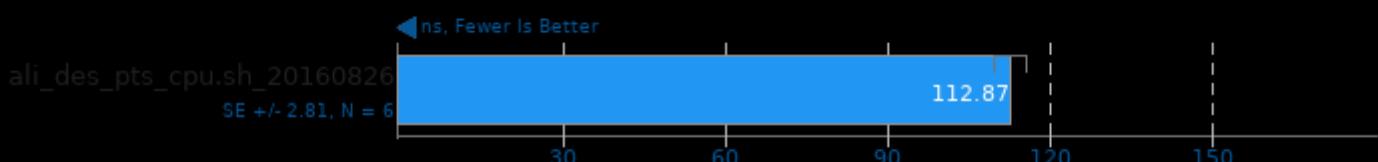
Test: 4MB Array, 64 Byte Stride



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

Multichase Pointer Chaser

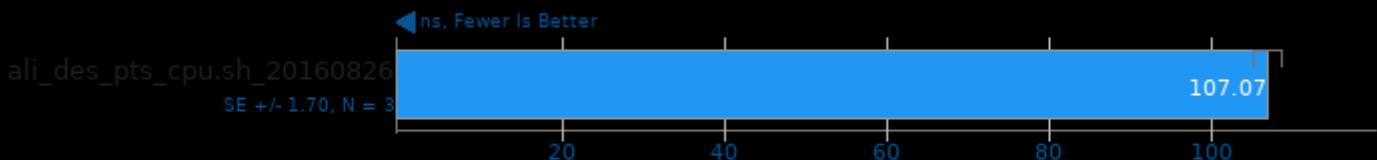
Test: 1GB Array, 256 Byte Stride



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

Multichase Pointer Chaser

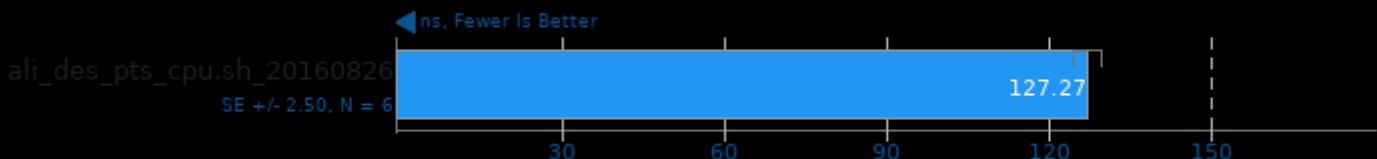
Test: 256MB Array, 256 Byte Stride



1. (CC) gcc options: -O2 -static -pthread -frt

Multichase Pointer Chaser

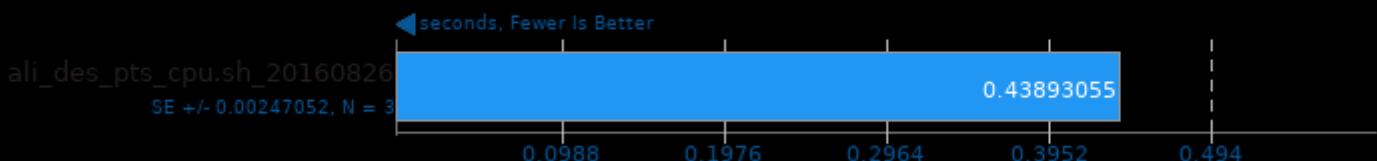
Test: 1GB Array, 256 Byte Stride, 2 Threads



1. (CC) gcc options: -O2 -static -pthread -frt

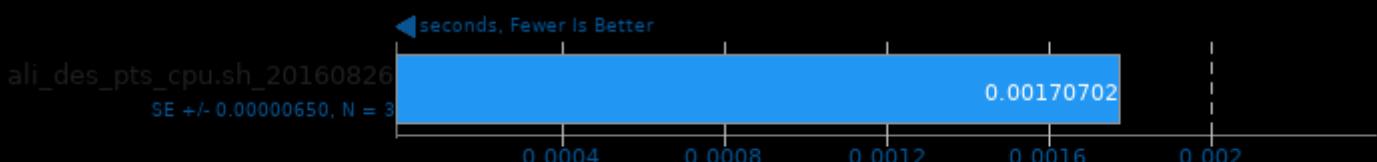
Perl Benchmarks

Test: Pod2html



Perl Benchmarks

Test: Interpreter



This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 02:00.