



[www.phoronix-test-suite.com](http://www.phoronix-test-suite.com)

## PiTest

ARMv8 Cortex-A72 testing with a BCM2835 Raspberry Pi 4 Model B Rev 1.1 and V3D 4.2 4GB on Debian 11 via the Phoronix Test Suite.

## Test Systems:

### PiTest

Processor: ARMv8 Cortex-A72 @ 1.50GHz (4 Cores), Motherboard: BCM2835 Raspberry Pi 4 Model B Rev 1.1, Chipset: Broadcom BCM2711, Memory: 4096MB, Disk: 31GB SD32G, Graphics: V3D 4.2 4GB, Monitor: Acer H233H

OS: Debian 11, Kernel: 5.15.56-v8+ (aarch64), Desktop: LXDE 0.10.1, Display Server: X Server 1.20.11, OpenGL: 2.1 Mesa 20.3.5, Compiler: GCC 10.2.1 20210110, File-System: ext4, Screen Resolution: 1920x1080

Kernel Notes: snd\_bcm2835.enable\_compat\_alsa=0 snd\_bcm2835.enable\_hdmi=1  
Compiler Notes: --build=aarch64-linux-gnu --disable-libquadmath --disable-libquadmath-support --disable-werror --enable-bootstrap --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-fix-cortex-a53-843419 --enable-gnu-unique-object --enable-languages=c,ada,c++,go,d,fortran,objc,obj-c++,m2 --enable-libphobos-checking=release --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-link-mutex --enable-multiarch --enable-nls --enable-objc-gc=auto --enable-plugin --enable-shared --enable-threads=posix --host=aarch64-linux-gnu --program-prefix=aarch64-linux-gnu- --target=aarch64-linux-gnu --with-build-config=bootstrap-Itc-lean --with-default-libstdcxx-abi=new --with-gcc-major-version-only --with-target-system-zlib=auto -v  
Processor Notes: Scaling Governor: cpufreq-dt performance

Java Notes: OpenJDK Runtime Environment (build 11.0.16+8-post-Debian-1deb11u1)

Python Notes: Python 3.9.2

Security Notes: itlb\_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + mmio\_stale\_data: Not affected + spec\_store\_bypass:

Vulnerable + spectre\_v1: Mitigation of \_\_user pointer sanitization + spectre\_v2: Vulnerable + srbd: Not affected + tsx\_async\_abort: Not affected

**PiTest**

<b>Dolfyn - C.F.D (sec)</b>	104.305
Standard Deviation	0.4%
<b>FFTE - N.2.3.C.F.R (MFLOPS)</b>	2086
Standard Deviation	1.7%
<b>WebP Image Encode - Default (Encode Time - sec)</b>	8.395
Standard Deviation	2.5%
<b>WebP Image Encode - Quality 100 (Encode Time - sec)</b>	11.723
Standard Deviation	0.6%
<b>WebP Image Encode - Q.1.L (Encode Time - sec)</b>	94.891
Standard Deviation	0.1%
<b>WebP Image Encode - Q.1.H.C (Encode Time - sec)</b>	27.608
Standard Deviation	0.4%
<b>WebP Image Encode - Q.1.L.H.C (Encode Time - sec)</b>	213.327
Standard Deviation	0.4%
<b>GNU GMP GMPbench - Total Time (GMPbench Score)</b>	954.12
<b>Java SciMark - Composite (Mflops)</b>	496.20
Standard Deviation	0.1%
<b>Java SciMark - Monte Carlo (Mflops)</b>	331.25
Standard Deviation	0%
<b>Java SciMark - F.F.T (Mflops)</b>	397.77
Standard Deviation	0.1%
<b>Java SciMark - S.M.M (Mflops)</b>	375.52
Standard Deviation	0.5%
<b>Java SciMark - D.L.M.F (Mflops)</b>	883.15
Standard Deviation	0.4%
<b>Java SciMark - J.S.O.R (Mflops)</b>	493.33
Standard Deviation	0%
<b>DaCapo Benchmark - H2 (msec)</b>	14735
Standard Deviation	2.1%
<b>DaCapo Benchmark - Jython (msec)</b>	27791
Standard Deviation	1.5%
<b>DaCapo Benchmark - Tradesoap (msec)</b>	68702
Standard Deviation	0.7%
<b>DaCapo Benchmark - Tradebeans (msec)</b>	29574
Standard Deviation	8.7%
<b>CacheBench - Read (MB/s)</b>	3807
Standard Deviation	0%
<b>CacheBench - Write (MB/s)</b>	5577
Standard Deviation	0%
<b>CacheBench - R.M.W (MB/s)</b>	11125
Standard Deviation	0%
<b>Zstd Compression - 3 - Compression Speed (MB/s)</b>	69.0
Standard Deviation	4.2%
<b>Zstd Compression - 3 - D.S (MB/s)</b>	785.5

	Standard Deviation	3.4%
<b>Zstd Compression - 8 - Compression Speed (MB/s)</b>	13.8	
	Standard Deviation	0%
<b>Zstd Compression - 8 - D.S (MB/s)</b>	787.1	
	Standard Deviation	2.7%
<b>Zstd Compression - 19 - Compression Speed (MB/s)</b>	2.62	
	Standard Deviation	0.2%
<b>Zstd Compression - 3, Long Mode - Compression Speed (MB/s)</b>	67.0	
	Standard Deviation	0.2%
<b>Zstd Compression - 3, Long Mode - D.S (MB/s)</b>	847.9	
	Standard Deviation	1.8%
<b>Zstd Compression - 8, Long Mode - Compression Speed (MB/s)</b>	13.8	
	Standard Deviation	0.4%
<b>Zstd Compression - 8, Long Mode - D.S (MB/s)</b>	849.3	
	Standard Deviation	0.8%
<b>SciMark - Composite (Mflops)</b>	145.91	
	Standard Deviation	1.1%
<b>SciMark - Monte Carlo (Mflops)</b>	44.82	
	Standard Deviation	0%
<b>SciMark - F.F.T (Mflops)</b>	32.65	
	Standard Deviation	0.6%
<b>SciMark - S.M.M (Mflops)</b>	138.67	
	Standard Deviation	0.7%
<b>SciMark - D.L.M.F (Mflops)</b>	157.50	
	Standard Deviation	0.2%
<b>SciMark - J.S.O.R (Mflops)</b>	355.90	
	Standard Deviation	2.5%
<b>LibRaw - P.P.B (Mpix/sec)</b>	5.76	
	Standard Deviation	0.3%
<b>TSCP - A.C.P (Nodes/s)</b>	363838	
	Standard Deviation	0.1%
<b>John The Ripper - Blowfish (Real C/S)</b>	1318	
	Standard Deviation	4%
<b>John The Ripper - MD5 (Real C/S)</b>	30909	
	Standard Deviation	0.9%
<b>GraphicsMagick - Swirl (Iterations/min)</b>	45	
	Standard Deviation	1.3%
<b>GraphicsMagick - Rotate (Iterations/min)</b>	90	
	Standard Deviation	1.3%
<b>GraphicsMagick - Sharpen (Iterations/min)</b>	18	
<b>GraphicsMagick - Enhanced (Iterations/min)</b>	18	
<b>GraphicsMagick - Resizing (Iterations/min)</b>	53	
<b>GraphicsMagick - Noise-Gaussian (Iterations/min)</b>	26	
<b>GraphicsMagick - HWB Color Space (Iterations/min)</b>	126	
<b>Coremark - CoreMark Size 666 - I.P.S (Iterations/Sec)</b>	33106	
	Standard Deviation	0.1%
<b>Himeno Benchmark - P.P.S (MFLOPS)</b>	680.618497	
	Standard Deviation	0.5%
<b>7-Zip Compression - Compression Rating (MIPS)</b>	4528	
	Standard Deviation	2.5%
<b>7-Zip Compression - D.R (MIPS)</b>	6535	
	Standard Deviation	0.4%

<b>Timed Apache Compilation - Time To Compile (sec)</b>	212.680
Standard Deviation	0.3%
<b>Timed GDB GNU Debugger Compilation - Time To Compile (sec)</b>	981.394
Standard Deviation	0.6%
<b>Timed ImageMagick Compilation - Time To Compile (sec)</b>	519.689
Standard Deviation	0.1%
<b>Timed PHP Compilation - Time To Compile (sec)</b>	800.196
Standard Deviation	0.3%
<b>Parallel BZIP2 Compression - F.1.0.R.a.m.i.C (sec)</b>	196.337
Standard Deviation	3.1%
<b>Rust Mandelbrot - T.T.C.S.P.M (sec)</b>	234.025
Standard Deviation	0.6%
<b>Rust Prime Benchmark - P.N.T.T.2.0.0 (sec)</b>	98.492
Standard Deviation	0%
<b>Smallpt - G.I.R.1.S (sec)</b>	127.545
Standard Deviation	0%
<b>AOBench - 2048 x 2048 - Total Time (sec)</b>	119.052
Standard Deviation	0%
<b>Gzip Compression - L.S.T.A.T.t.g (sec)</b>	165.546
Standard Deviation	3.8%
<b>FLAC Audio Encoding - WAV To FLAC (sec)</b>	189.709
Standard Deviation	1.3%
<b>LAME MP3 Encoding - WAV To MP3 (sec)</b>	28.664
Standard Deviation	0.5%
<b>eSpeak-NG Speech Engine - T.T.S.S (sec)</b>	195.727
Standard Deviation	7%
<b>Perl Benchmarks - Pod2html (sec)</b>	0.59059778
Standard Deviation	0.2%
<b>Perl Benchmarks - Interpreter (sec)</b>	0.00514101
Standard Deviation	0.2%
<b>RNNoise (sec)</b>	68.251
Standard Deviation	4.5%
<b>OpenSSL - SHA256 (byte/s)</b>	372233870
Standard Deviation	0%
<b>OpenSSL - RSA4096 (sign/s)</b>	96.0
Standard Deviation	0.1%
<b>OpenSSL - RSA4096 (verify/s)</b>	7422
Standard Deviation	0.1%
<b>SQLite Speedtest - Timed Time - Size 1,000 (sec)</b>	611.279
Standard Deviation	4.5%
<b>GEGL - Crop (sec)</b>	42.076
Standard Deviation	2.2%
<b>GEGL - Scale (sec)</b>	31.137
Standard Deviation	4.1%
<b>GEGL - Cartoon (sec)</b>	528.876
Standard Deviation	1.1%
<b>GEGL - Reflect (sec)</b>	151.467
Standard Deviation	1.2%
<b>GEGL - Antialias (sec)</b>	189.730
Standard Deviation	1.6%
<b>GEGL - Tile Glass (sec)</b>	152.853
Standard Deviation	1%
<b>GEGL - Wavelet Blur (sec)</b>	302.076

<b>GEGL - Color Enhance (sec)</b>	297.192	Standard Deviation 0.7%
<b>GEGL - Rotate 90 Degrees (sec)</b>	221.072	Standard Deviation 1.3%
<b>GIMP - resize (sec)</b>	5.051	Standard Deviation 0.9%
<b>GIMP - rotate (sec)</b>	4.086	Standard Deviation 43.4%
<b>GIMP - auto-levels (sec)</b>	4.036	Standard Deviation 0.3%
<b>GIMP - unsharp-mask (sec)</b>	4.063	Standard Deviation 0.3%
<b>LibreOffice - 2.D.T.P (sec)</b>	42.860	Standard Deviation 0.3%
<b>GNU Octave Benchmark (sec)</b>	37.463	Standard Deviation 9.3%
<b>librsvg - SVG Files To PNG (sec)</b>	154.430	Standard Deviation 1.2%
<b>TNN - CPU - DenseNet (ms)</b>	22474	Standard Deviation 0.5%
<b>TNN - CPU - MobileNet v2 (ms)</b>	1272	Standard Deviation 0.4%
<b>TNN - CPU - SqueezeNet v2 (ms)</b>	276.346	Standard Deviation 1.4%
<b>TNN - CPU - SqueezeNet v1.1 (ms)</b>	1056	Standard Deviation 0.4%
<b>PyBench - T.F.A.T.T (Milliseconds)</b>	4414	Standard Deviation 0.7%
<b>PyPerformance - go (Milliseconds)</b>	1.32	Standard Deviation 0.9%
<b>PyPerformance - 2to3 (Milliseconds)</b>	1.8	Standard Deviation 0%
<b>PyPerformance - chaos (Milliseconds)</b>	559	Standard Deviation 0%
<b>PyPerformance - float (Milliseconds)</b>	573	Standard Deviation 0.2%
<b>PyPerformance - nbody (Milliseconds)</b>	537	Standard Deviation 0.5%
<b>PyPerformance - pathlib (Milliseconds)</b>	126	Standard Deviation 0.7%
<b>PyPerformance - raytrace (Milliseconds)</b>	2.55	Standard Deviation 0.2%
<b>PyPerformance - json_loads (Milliseconds)</b>	105	Standard Deviation 0.2%
<b>PyPerformance - crypto_pyaes (Milliseconds)</b>	498	Standard Deviation 0.2%
<b>PyPerformance - regex_compile (Milliseconds)</b>	806	Standard Deviation 0.1%
<b>PyPerformance - python_startup (Milliseconds)</b>	43	Standard Deviation 0.2%
<b>PyPerformance - django_template (Milliseconds)</b>	309	Standard Deviation 0.2%
<b>PyPerformance - pickle_pure_python (Milliseconds)</b>	2.57	Standard Deviation 0%
<b>Hierarchical INTegration - FLOAT (QUIPs)</b>	107758391	Standard Deviation 0.1%

**PHPBench - P.B.S (Score)** 155649

Standard Deviation 0.2%

**Git - T.T.C.C.G.C (sec)** 244.218

Standard Deviation 5.7%

**GnuPG - 2.7.S.F.E (sec)** 250.109

Standard Deviation 6%

**Tesseract OCR - T.T.O.7.I (sec)** 125.306

Standard Deviation 0.2%

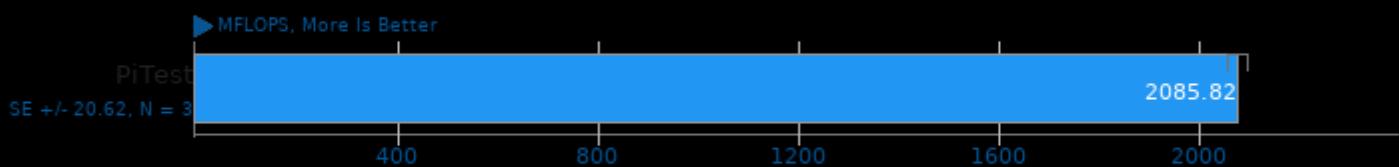
## Dolfyn 0.527

Computational Fluid Dynamics



## FFTE 7.0

N=256, 3D Complex FFT Routine



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

## WebP Image Encode 1.1

Encode Settings: Default



1. (CC) gcc options: -fvisibility=hidden -O2 -pthread -lm -ljpeg -lpng16

## WebP Image Encode 1.1

Encode Settings: Quality 100



1. (CC) gcc options: -fvisibility=hidden -O2 -pthread -lm -ljpeg -lpng16

## WebP Image Encode 1.1

Encode Settings: Quality 100, Lossless



1. (CC) gcc options: -fvisibility=hidden -O2 -pthread -lm -ljpeg -lpng16

## WebP Image Encode 1.1

Encode Settings: Quality 100, Highest Compression



1. (CC) gcc options: -fvisibility=hidden -O2 -pthread -lm -ljpeg -lpng16

## WebP Image Encode 1.1

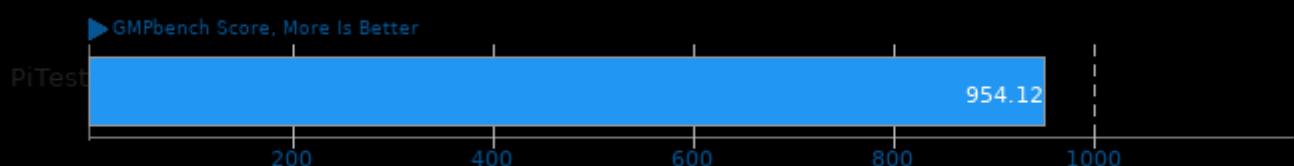
Encode Settings: Quality 100, Lossless, Highest Compression



1. (CC) gcc options: -fvisibility=hidden -O2 -pthread -lm -ljpeg -lpng16

## GNU GMP GMPbench 6.2.1

Total Time



1. (CC) gcc options: -O3 -fomit-frame-pointer -lm

## Java SciMark 2.0

Computational Test: Composite



## Java SciMark 2.0

Computational Test: Monte Carlo



## Java SciMark 2.0

Computational Test: Fast Fourier Transform



## Java SciMark 2.0

Computational Test: Sparse Matrix Multiply



## Java SciMark 2.0

Computational Test: Dense LU Matrix Factorization



## Java SciMark 2.0

Computational Test: Jacobi Successive Over-Relaxation



## DaCapo Benchmark 9.12-MR1

Java Test: H2



## DaCapo Benchmark 9.12-MR1

Java Test: Jython



## DaCapo Benchmark 9.12-MR1

Java Test: Tradesoap



## DaCapo Benchmark 9.12-MR1

Java Test: Tradebeans



## CacheBench

Test: Read



1. (CC) gcc options: -lrt

## CacheBench

Test: Write



1. (CC) gcc options: -lrt

## CacheBench

Test: Read / Modify / Write



1. (CC) gcc options: -lrt

## Zstd Compression 1.5.0

Compression Level: 3 - Compression Speed



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

## Zstd Compression 1.5.0

Compression Level: 3 - Decompression Speed



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

## Zstd Compression 1.5.0

Compression Level: 8 - Compression Speed



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

## Zstd Compression 1.5.0

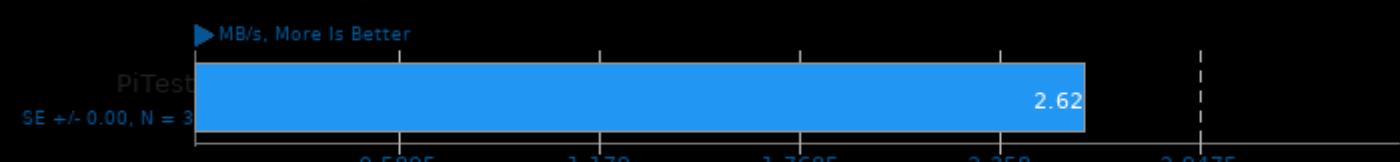
Compression Level: 8 - Decompression Speed



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

## Zstd Compression 1.5.0

Compression Level: 19 - Compression Speed



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

## Zstd Compression 1.5.0

Compression Level: 3, Long Mode - Compression Speed



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

## Zstd Compression 1.5.0

Compression Level: 3, Long Mode - Decompression Speed



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

## Zstd Compression 1.5.0

Compression Level: 8, Long Mode - Compression Speed



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

## Zstd Compression 1.5.0

Compression Level: 8, Long Mode - Decompression Speed



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

## SciMark 2.0

Computational Test: Composite



1. (CC) gcc options: -lm

## SciMark 2.0

Computational Test: Monte Carlo



1. (CC) gcc options: -lm

## SciMark 2.0

Computational Test: Fast Fourier Transform



1. (CC) gcc options: -lm

## SciMark 2.0

Computational Test: Sparse Matrix Multiply



1. (CC) gcc options: -lm

## SciMark 2.0

Computational Test: Dense LU Matrix Factorization



1. (CC) gcc options: -lm

## SciMark 2.0

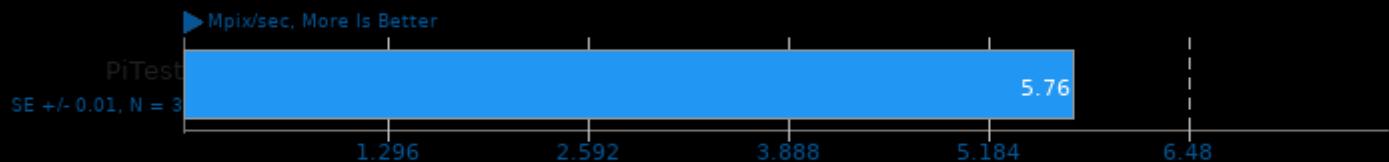
Computational Test: Jacobi Successive Over-Relaxation



1. (CC) gcc options: -lm

## LibRaw 0.20

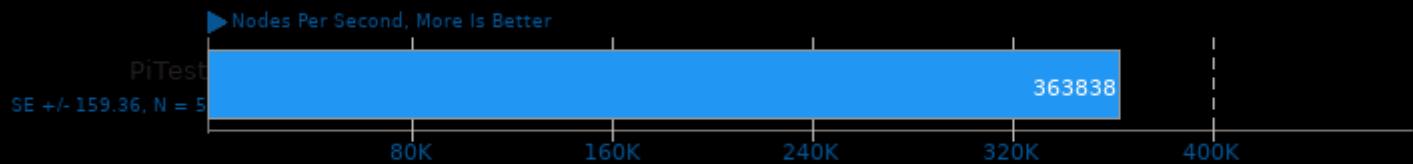
Post-Processing Benchmark



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

## TSCP 1.81

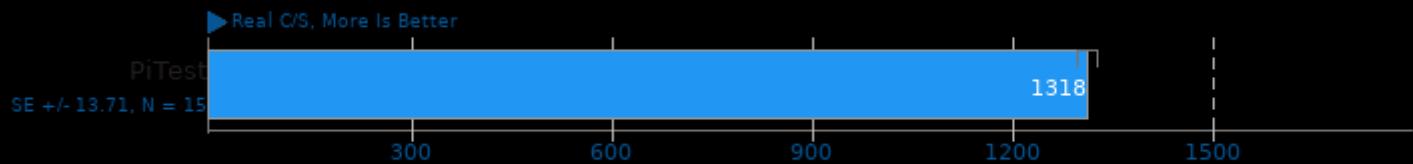
AI Chess Performance



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

## John The Ripper 1.9.0-jumbo-1

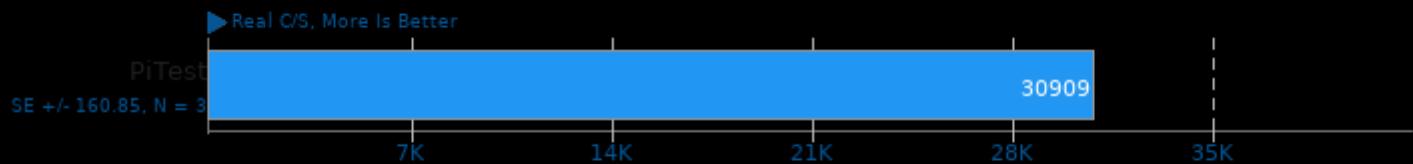
Test: Blowfish



1. (CC) gcc options: -lssl -lcrypto -fopenmp -lgmp -pthread -lm -lz -ldl -lcrypt

## John The Ripper 1.9.0-jumbo-1

Test: MD5



1. (CC) gcc options: -lssl -lcrypto -fopenmp -lgmp -pthread -lm -lz -ldl -lcrypt

## GraphicsMagick 1.3.33

Operation: Swirl



1. (CC) gcc options: -fopenmp -O2 -pthread -lfreetype -ljpeg -lX11 -lxml2 -lz -lm -lpthread

## GraphicsMagick 1.3.33

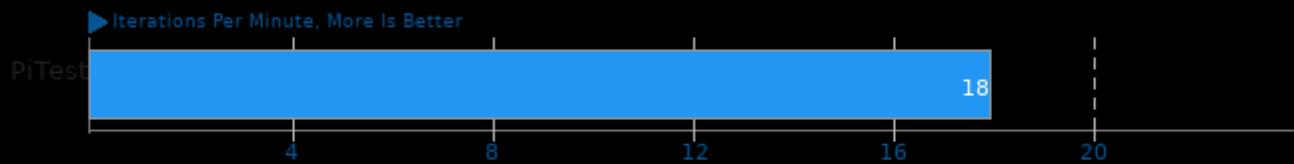
Operation: Rotate



1. (CC) gcc options: -fopenmp -O2 -pthread -lfreetype -ljpeg -lX11 -lxml2 -lz -lm -lpthread

## GraphicsMagick 1.3.33

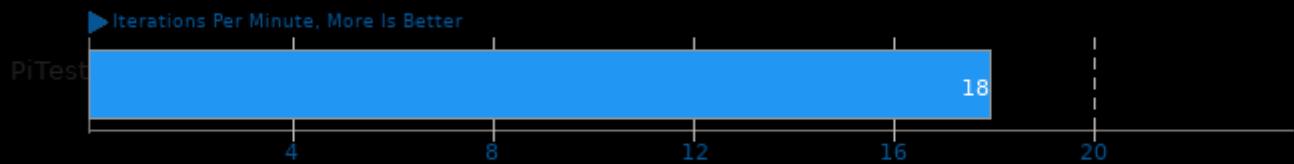
Operation: Sharpen



1. (CC) gcc options: -fopenmp -O2 -pthread -lfreetype -ljpeg -lX11 -lxml2 -lz -lm -lpthread

## GraphicsMagick 1.3.33

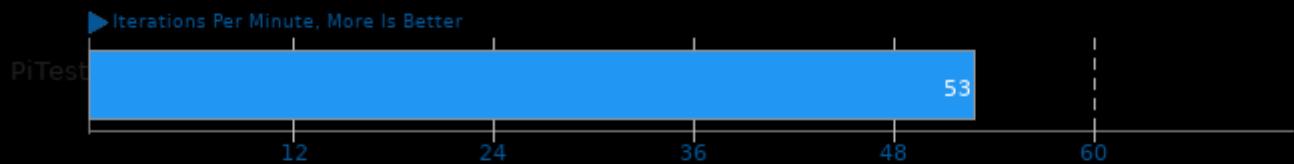
Operation: Enhanced



1. (CC) gcc options: -fopenmp -O2 -pthread -lfreetype -ljpeg -lX11 -lxml2 -lz -lm -lpthread

## GraphicsMagick 1.3.33

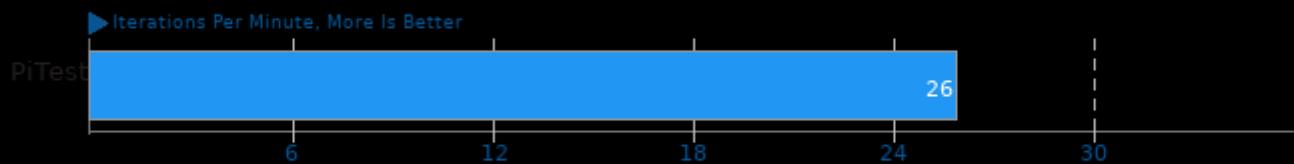
Operation: Resizing



1. (CC) gcc options: -fopenmp -O2 -pthread -lfreetype -ljpeg -lX11 -lxml2 -lz -lm -lpthread

## GraphicsMagick 1.3.33

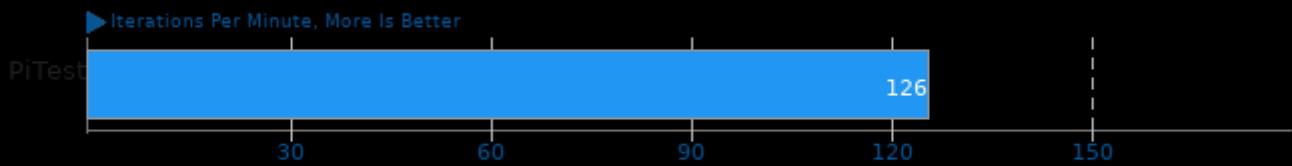
Operation: Noise-Gaussian



1. (CC) gcc options: -fopenmp -O2 -pthread -lfreetype -ljpeg -lX11 -lxml2 -lz -lm -lpthread

## GraphicsMagick 1.3.33

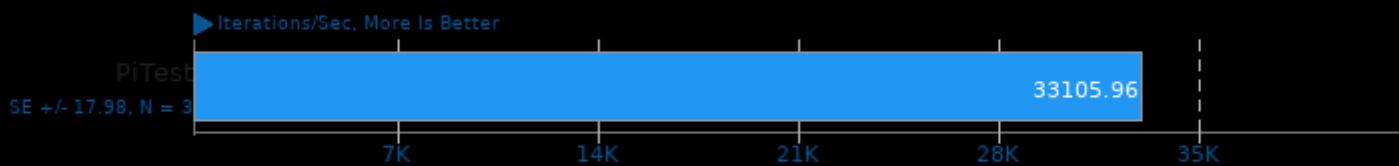
Operation: HWB Color Space



1. (CC) gcc options: -fopenmp -O2 -pthread -lfreetype -ljpeg -lX11 -lxml2 -lz -lm -lpthread

## Coremark 1.0

CoreMark Size 666 - Iterations Per Second



1. (CC) gcc options: -O2 -fintc -fintt

## Himeno Benchmark 3.0

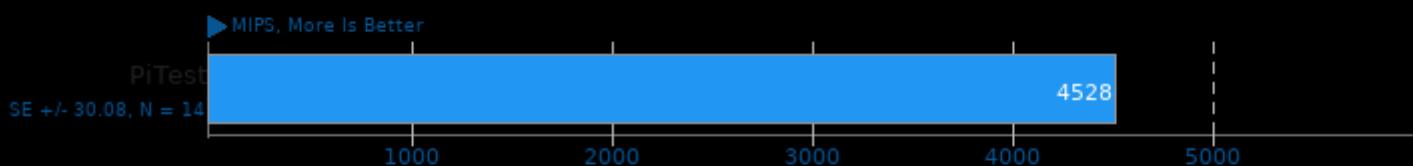
Poisson Pressure Solver



1. (CC) gcc options: -O3

## 7-Zip Compression 22.00

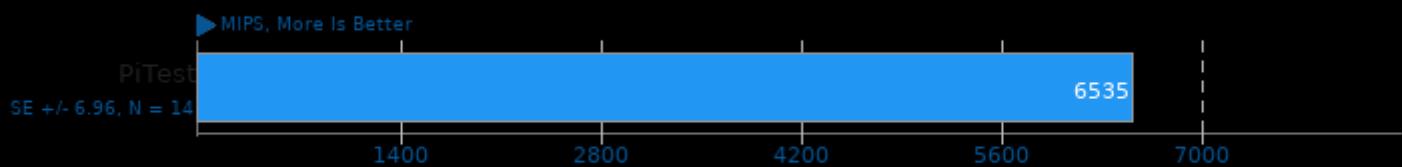
Test: Compression Rating



1. (CXX) g++ options: -lpthread -ldl -O2 -fPIC

## 7-Zip Compression 22.00

Test: Decompression Rating



1. (CXX) g++ options: -lpthread -ldl -O2 -fPIC

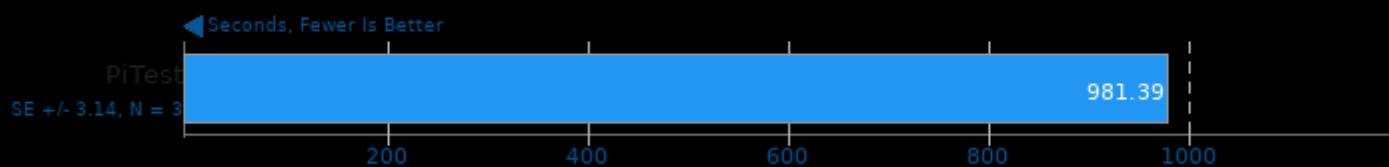
## Timed Apache Compilation 2.4.41

Time To Compile



## Timed GDB GNU Debugger Compilation 10.2

Time To Compile



## Timed ImageMagick Compilation 6.9.0

Time To Compile



## Timed PHP Compilation 7.4.2

Time To Compile



## Parallel BZIP2 Compression 1.1.13

FreeBSD-13.0-RELEASE-amd64-memstick.img Compression



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

## Rust Mandelbrot

Time To Complete Serial/Parallel Mandelbrot



1. (CC) gcc options: -pie -nodefaultlibs -lgcc\_s -lc -lm -lrt -lpthread -lutil -ldl

## Rust Prime Benchmark

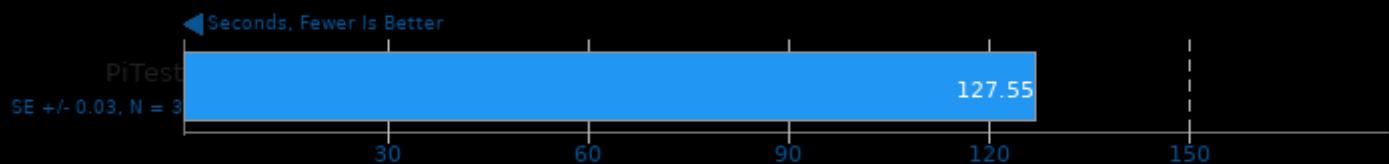
Prime Number Test To 200,000,000



1. (CC) gcc options: -pie -nodefaultlibs -lgcc\_s -lc -lm -lrt -lpthread -lutil -ldl

## Smallpt 1.0

Global Illumination Renderer; 128 Samples



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

## AOBench

Size: 2048 x 2048 - Total Time



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

## Gzip Compression

Linux Source Tree Archiving To .tar.gz



## FLAC Audio Encoding 1.3.3

WAV To FLAC



1. (CXX) g++ options: -fvisibility=hidden -lm

## LAME MP3 Encoding 3.100

WAV To MP3



1. (CC) gcc options: -O3 -ffast-math -funroll-loops -fschedule-insns2 -fbranch-count-reg -fforce-addr -pipe -lm

## eSpeak-NG Speech Engine 20200907

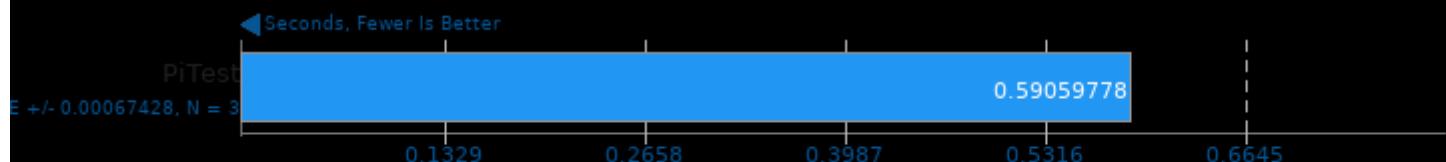
Text-To-Speech Synthesis



1. (CC) gcc options: -O2 -std=c99

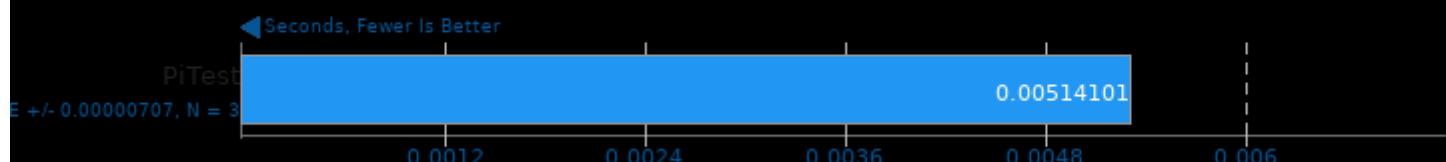
## Perl Benchmarks

Test: Pod2html



## Perl Benchmarks

Test: Interpreter



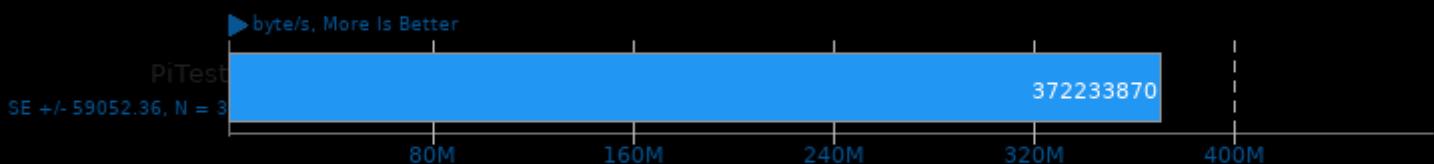
## RNNoise 2020-06-28



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

## OpenSSL 3.0

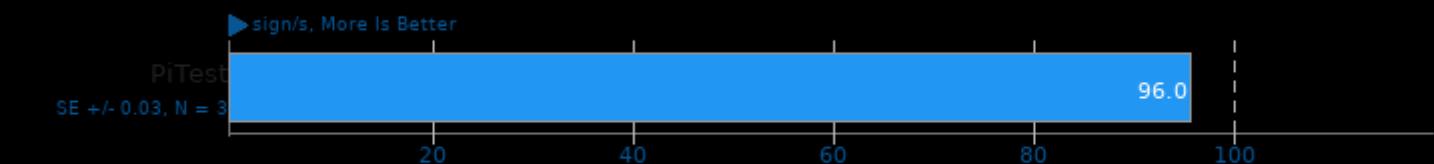
Algorithm: SHA256



1. (CC) gcc options: -pthread -O3 -lssl -lcrypto -ldl

## OpenSSL 3.0

Algorithm: RSA4096



1. (CC) gcc options: -pthread -O3 -lssl -lcrypto -ldl

## OpenSSL 3.0

Algorithm: RSA4096



1. (CC) gcc options: -pthread -O3 -lssl -lcrypto -ldl

## SQLite Speedtest 3.30

Timed Time - Size 1,000



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

**GEGL**

Operation: Crop

**GEGL**

Operation: Scale

**GEGL**

Operation: Cartoon

**GEGL**

Operation: Reflect

**GEGL**

Operation: Antialias

**GEGL**

Operation: Tile Glass



**GEGL**

Operation: Wavelet Blur

**GEGL**

Operation: Color Enhance

**GEGL**

Operation: Rotate 90 Degrees

**GIMP 2.10.22**

Test: resize

**GIMP 2.10.22**

Test: rotate

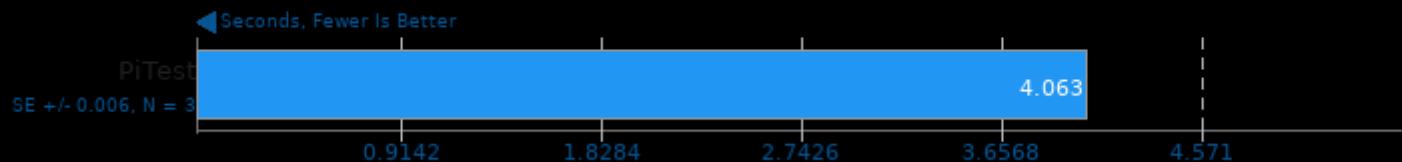
**GIMP 2.10.22**

Test: auto-levels



## GIMP 2.10.22

Test: unsharp-mask



## LibreOffice

Test: 20 Documents To PDF



1. LibreOffice 7.0.4.2 00(Build:2)

## GNU Octave Benchmark 6.2.0



## librsvg

Operation: SVG Files To PNG



1. rsvg-convert version 2.50.3

## TNN 0.3

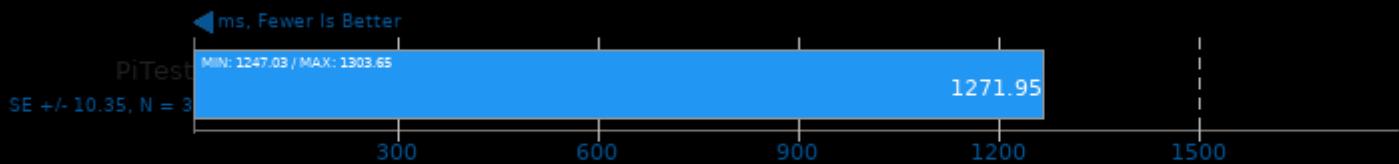
Target: CPU - Model: DenseNet



1. (CXX) g++ options: -fopenmp -pthread -fvisibility=hidden -fvisibility=default -O3 -rdynamic -ldl

## TNN 0.3

Target: CPU - Model: MobileNet v2



1. (CXX) g++ options: -fopenmp -pthread -fvisibility=hidden -fvisibility=default -O3 -rdynamic -ldl

## TNN 0.3

Target: CPU - Model: SqueezeNet v2



1. (CXX) g++ options: -fopenmp -pthread -fvisibility=hidden -fvisibility=default -O3 -rdynamic -ldl

## TNN 0.3

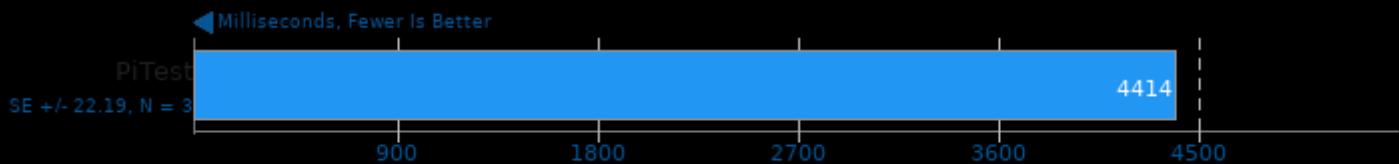
Target: CPU - Model: SqueezeNet v1.1



1. (CXX) g++ options: -fopenmp -pthread -fvisibility=hidden -fvisibility=default -O3 -rdynamic -ldl

## PyBench 2018-02-16

Total For Average Test Times



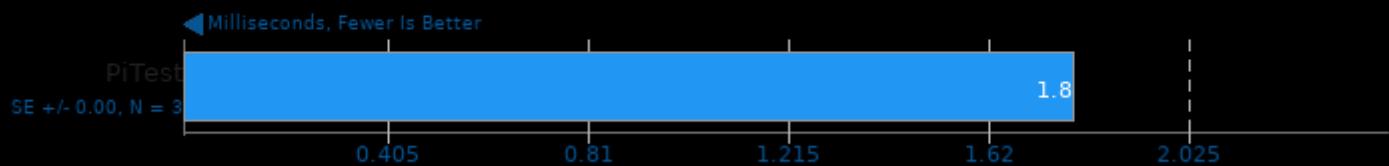
## PyPerformance 1.0.0

Benchmark: go



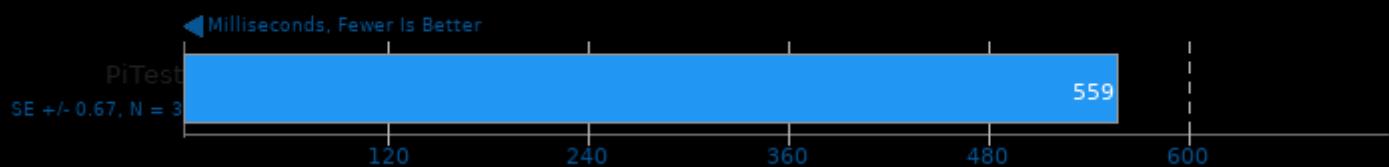
## PyPerformance 1.0.0

Benchmark: 2to3



## PyPerformance 1.0.0

Benchmark: chaos



## PyPerformance 1.0.0

Benchmark: float



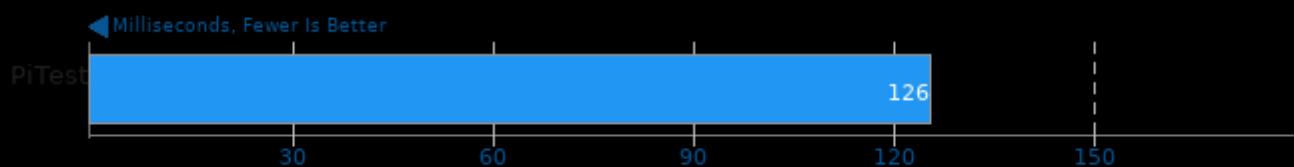
## PyPerformance 1.0.0

Benchmark: nbody



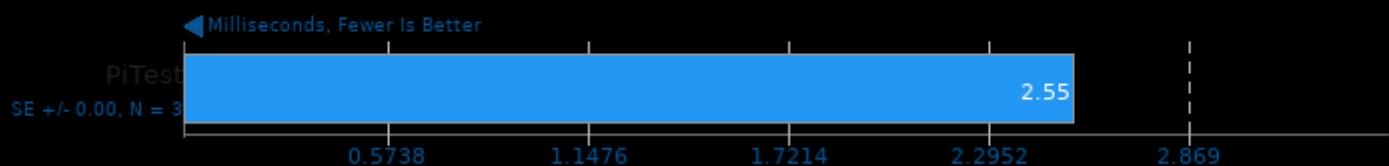
## PyPerformance 1.0.0

Benchmark: pathlib



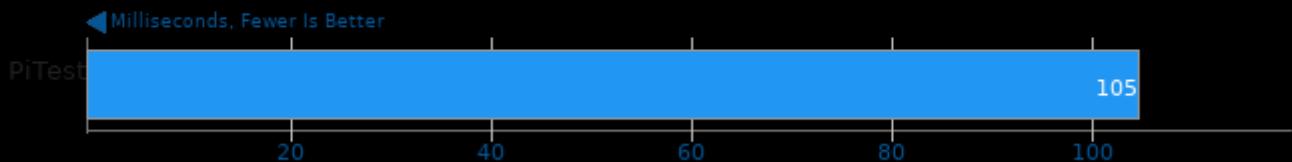
## PyPerformance 1.0.0

Benchmark: raytrace



## PyPerformance 1.0.0

Benchmark: json\_loads



## PyPerformance 1.0.0

Benchmark: crypto\_pyaes



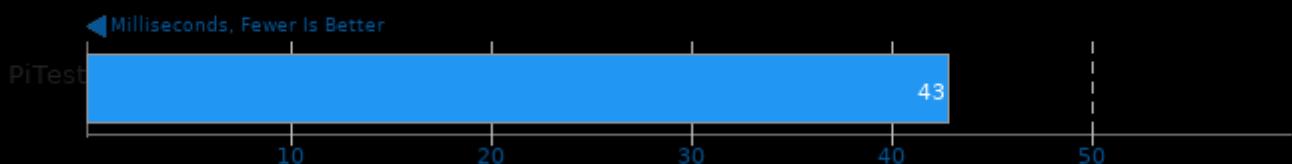
## PyPerformance 1.0.0

Benchmark: regex\_compile



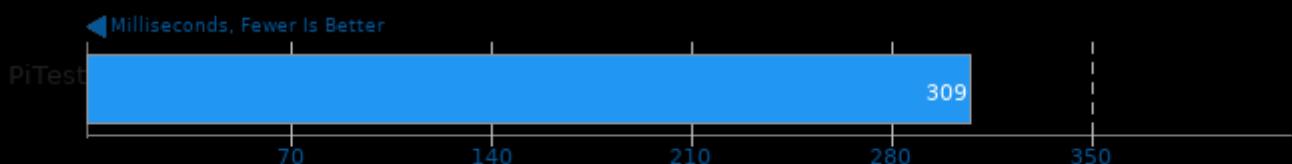
## PyPerformance 1.0.0

Benchmark: python\_startup



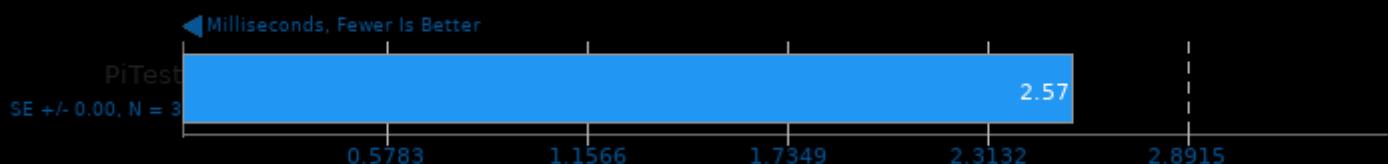
## PyPerformance 1.0.0

Benchmark: django\_template



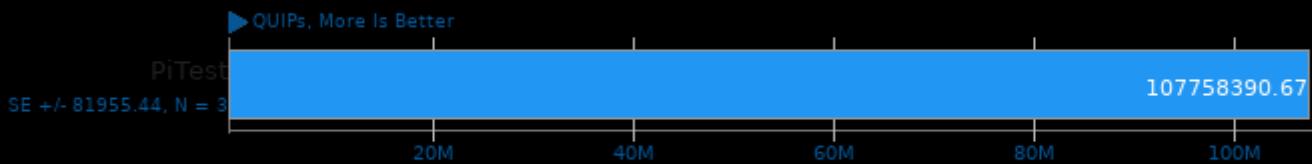
## PyPerformance 1.0.0

Benchmark: pickle\_pure\_python



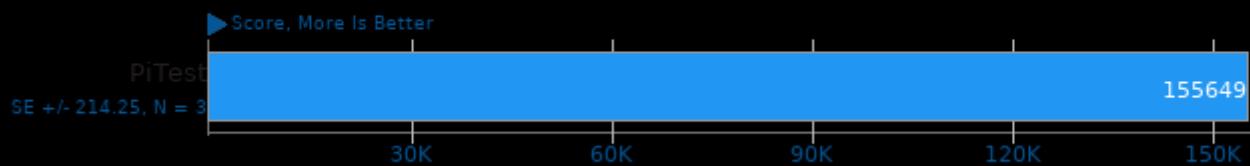
## Hierarchical INTegration 1.0

Test: FLOAT



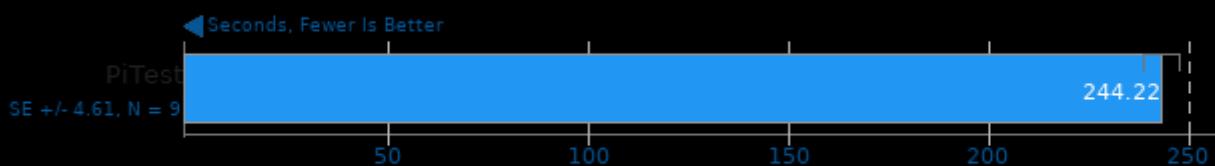
## PHPBench 0.8.1

PHP Benchmark Suite



## Git

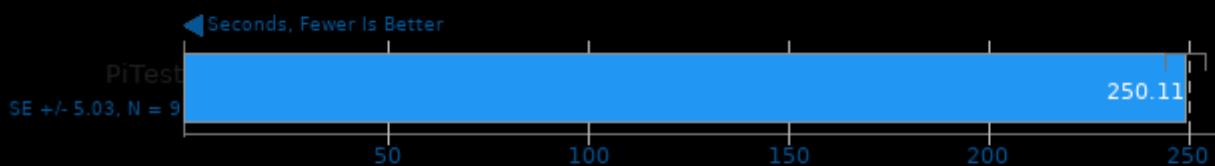
Time To Complete Common Git Commands



1. git version 2.30.2

## GnuPG 2.2.27

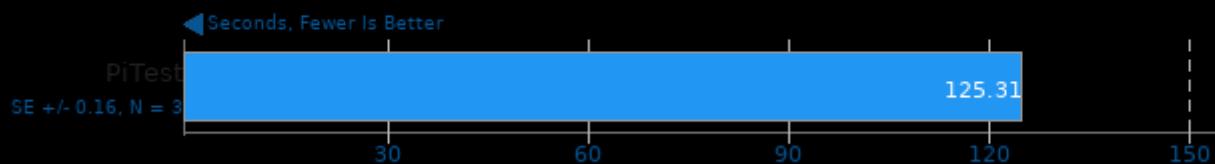
2.7GB Sample File Encryption



1. (CC) gcc options: -O2

## Tesseract OCR 4.1.1

Time To OCR 7 Images



This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 12:01.