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ryzen1950-ubuntu1604-cpu

AMD Ryzen Threadripper 1950X 16-Core testing with a MSI X399 GAMING PRO CARBON AC (MS-7B09) v1.0 and MSI NVIDIA GeForce GTX 1080 8192MB on Ubuntu 16.04 via the Phoronix Test Suite.

Test Systems:

Ryzen1950-Ubuntu16.04-CPU-1

Processor: AMD Ryzen Threadripper 1950X 16-Core @ 3.40GHz (32 Cores), Motherboard: MSI X399 GAMING PRO CARBON AC (MS-7B09) v1.0, Chipset: AMD Device 1450, Memory: 64512MB, Disk: 250GB Samsung SSD 850 + 4001GB Western Digital WD40EFRX-68W + 2 x 4001GB Western Digital WD40EFRX-68N, Graphics: MSI NVIDIA GeForce GTX 1080 8192MB (57/405MHz), Audio: Realtek Generic, Network: Intel I211 Gigabit Connection

OS: Ubuntu 16.04, Kernel: 4.10.0-33-generic (x86_64), Desktop: MATE 1.12.1, Display Driver: NVIDIA 381.22, OpenGL: 4.5.0, Vulkan: 1.0.42, Compiler: GCC 5.4.0 20160609, File-System: ext4, Screen Resolution: 1920x1080

Compiler Notes: --build=x86_64-linux-gnu --disable-browser-plugin --disable-vtable-verify --disable-werror --enable-checking=release --enable-clocale=gnu --enable-gnu-unique-object --enable-gtk-cairo --enable-java-awt=gtk --enable-java-home --enable-languages=c,ada,c++,java,go,d,fortran,objc,obj-c++ --enable-libmpx --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc --enable-plugin --enable-shared

--enable-threads=posix --host=x86_64-linux-gnu --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-arch-directory=amd64 --with-default-libstdcxx-abi=new --with-multilib-list=m32,m64,mx32 --with-tune=generic -v

Ryzen1950-Ubuntu16.04-CPU-Multicore

Processor: AMD Ryzen Threadripper 1950X 16-Core @ 3.40GHz (32 Cores), Motherboard: MSI X399 GAMING PRO CARBON AC (MS-7B09) v1.0, Chipset: AMD Device 1450, Memory: 64512MB, Disk: 250GB Samsung SSD 850 + 4001GB Western Digital WD40EFRX-68W + 2 x 4001GB Western Digital WD40EFRX-68N, Graphics: MSI NVIDIA GeForce GTX 1080 8192MB (65/405MHz), Audio: Realtek Generic, Network: Intel I211 Gigabit Connection

OS: Ubuntu 16.04, Kernel: 4.10.0-33-generic (x86_64), Desktop: MATE 1.12.1, Display Driver: NVIDIA 381.22, OpenGL: 4.5.0, Vulkan: 1.0.42, Compiler: GCC 5.4.0 20160609, File-System: ext4, Screen Resolution: 1920x1080

Compiler Notes: --build=x86_64-linux-gnu --disable-browser-plugin --disable-vtable-verify --disable-werror --enable-checking=release --enable-clocale=gnu --enable-gnu-unique-object --enable-gtk-cairo --enable-java-awt=gtk --enable-java-home --enable-languages=c,ada,c++,java,go,d,fortran,objc,obj-c++ --enable-libmpx --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-arch-directory=amd64 --with-default-libstdcxx-abi=new --with-multilib-list=m32,m64,mx32 --with-tune=generic -v

Ryzen1950-Ubuntu16.04-CPU-Dolfyn

Processor: AMD Ryzen Threadripper 1950X 16-Core @ 3.40GHz (32 Cores), Motherboard: MSI X399 GAMING PRO CARBON AC (MS-7B09) v1.0, Chipset: AMD Device 1450, Memory: 64512MB, Disk: 250GB Samsung SSD 850 + 4001GB Western Digital WD40EFRX-68W + 2 x 4001GB Western Digital WD40EFRX-68N, Graphics: MSI NVIDIA GeForce GTX 1080 8192MB (1719/5005MHz), Audio: Realtek Generic, Network: Intel I211 Gigabit Connection

OS: Ubuntu 16.04, Kernel: 4.10.0-33-generic (x86_64), Desktop: MATE 1.12.1, Display Driver: NVIDIA 381.22, OpenGL: 4.5.0, Vulkan: 1.0.42, Compiler: GCC 5.4.0 20160609, File-System: ext4, Screen Resolution: 1920x1080

Compiler Notes: --build=x86_64-linux-gnu --disable-browser-plugin --disable-vtable-verify --disable-werror --enable-checking=release --enable-clocale=gnu --enable-gnu-unique-object --enable-gtk-cairo --enable-java-awt=gtk --enable-java-home --enable-languages=c,ada,c++,java,go,d,fortran,objc,obj-c++ --enable-libmpx --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-arch-directory=amd64 --with-default-libstdcxx-abi=new --with-multilib-list=m32,m64,mx32 --with-tune=generic -v

Ryzen1950-Ubuntu16.04-CPU-x264

Processor: AMD Ryzen Threadripper 1950X 16-Core @ 3.40GHz (32 Cores), Motherboard: MSI X399 GAMING PRO CARBON AC (MS-7B09) v1.0, Chipset: AMD Device 1450, Memory: 64512MB, Disk: 250GB Samsung SSD 850 + 4001GB Western Digital WD40EFRX-68W + 2 x 4001GB Western Digital WD40EFRX-68N, Graphics: MSI NVIDIA GeForce GTX 1080 8192MB (184/5005MHz), Audio: Realtek Generic, Network: Intel I211 Gigabit Connection

OS: Ubuntu 16.04, Kernel: 4.10.0-33-generic (x86_64), Desktop: MATE 1.12.1, Display Driver: NVIDIA 381.22, OpenGL: 4.5.0, Vulkan: 1.0.42, Compiler: GCC 5.4.0 20160609, File-System: ext4, Screen Resolution: 1920x1080

Compiler Notes: --build=x86_64-linux-gnu --disable-browser-plugin --disable-vtable-verify --disable-werror --enable-checking=release --enable-clocale=gnu --enable-gnu-unique-object --enable-gtk-cairo --enable-java-awt=gtk --enable-java-home --enable-languages=c,ada,c++,java,go,d,fortran,objc,obj-c++ --enable-libmpx --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-arch-directory=amd64 --with-default-libstdcxx-abi=new --with-multilib-list=m32,m64,mx32 --with-tune=generic -v

Ryzen1950-Ubuntu16.04-CPU-c-ray

Processor: AMD Ryzen Threadripper 1950X 16-Core @ 3.40GHz (32 Cores), Motherboard: MSI X399 GAMING PRO CARBON AC (MS-7B09) v1.0, Chipset: AMD Device 1450, Memory: 64512MB, Disk: 250GB Samsung SSD 850 + 4001GB Western Digital WD40EFRX-68W + 2 x 4001GB Western Digital WD40EFRX-68N, Graphics: MSI NVIDIA GeForce GTX 1080 8192MB (1718/5005MHz), Audio: Realtek Generic, Network: Intel I211 Gigabit Connection

OS: Ubuntu 16.04, Kernel: 4.10.0-33-generic (x86_64), Desktop: MATE 1.12.1, Display Driver: NVIDIA 381.22, OpenGL: 4.5.0, Vulkan: 1.0.42, Compiler: GCC 5.4.0 20160609, File-System: ext4, Screen Resolution: 1920x1080

Compiler Notes: --build=x86_64-linux-gnu --disable-browser-plugin --disable-vtable-verify --disable-werror --enable-checking=release --enable-clocale=gnu --enable-gnu-unique-object --enable-gtk-cairo --enable-java-awt=gtk --enable-java-home --enable-languages=c,ada,c++,java,go,d,fortran,objc,obj-c++ --enable-libmpx --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-arch-directory=amd64 --with-default-libstdcxx-abi=new --with-multilib-list=m32,m64,mx32 --with-tune=generic -v

Ryzen1950-Ubuntu16.04-CPU-Minion

Processor: AMD Ryzen Threadripper 1950X 16-Core @ 3.40GHz (32 Cores), Motherboard: MSI X399 GAMING PRO CARBON AC (MS-7B09) v1.0, Chipset: AMD Device 1450, Memory: 64512MB, Disk: 250GB Samsung SSD 850 + 4001GB Western Digital WD40EFRX-68W + 2 x 4001GB Western Digital WD40EFRX-68N, Graphics: MSI NVIDIA GeForce GTX 1080 8192MB (62/5005MHz), Audio: Realtek Generic, Network: Intel I211 Gigabit Connection

OS: Ubuntu 16.04, Kernel: 4.10.0-33-generic (x86_64), Desktop: MATE 1.12.1, Display Driver: NVIDIA 381.22, OpenGL: 4.5.0, Vulkan: 1.0.42, Compiler: GCC 5.4.0 20160609, File-System: ext4, Screen Resolution: 1920x1080

Compiler Notes: --build=x86_64-linux-gnu --disable-browser-plugin --disable-vtable-verify --disable-werror --enable-checking=release --enable-clocale=gnu --enable-gnu-unique-object --enable-gtk-cairo --enable-java-awt=gtk --enable-java-home --enable-languages=c,ada,c++,java,go,d,fortran,objc,obj-c++ --enable-libmpx --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-arch-directory=amd64 --with-default-libstdcxx-abi=new --with-multilib-list=m32,m64,mx32 --with-tune=generic -v

Ryzen1950-Ubuntu16.04-CPU-HPC

Processor: AMD Ryzen Threadripper 1950X 16-Core @ 3.40GHz (32 Cores), Motherboard: MSI X399 GAMING PRO CARBON AC (MS-7B09) v1.0, Chipset: AMD Device 1450, Memory: 64512MB, Disk: 250GB Samsung SSD 850 + 4001GB Western Digital WD40EFRX-68W + 2 x 4001GB Western Digital WD40EFRX-68N, Graphics: MSI NVIDIA GeForce GTX 1080 8192MB (68/405MHz), Audio: Realtek Generic, Network: Intel I211 Gigabit Connection

OS: Ubuntu 16.04, Kernel: 4.10.0-33-generic (x86_64), Desktop: MATE 1.12.1, Display Driver: NVIDIA 381.22, OpenGL: 4.5.0, Vulkan: 1.0.42, Compiler: GCC 5.4.0 20160609, File-System: ext4, Screen Resolution: 1920x1080

Compiler Notes: --build=x86_64-linux-gnu --disable-browser-plugin --disable-vtable-verify --disable-werror --enable-checking=release --enable-clocale=gnu --enable-gnu-unique-object --enable-gtk-cairo --enable-java-awt=gtk --enable-java-home --enable-languages=c,ada,c++,java,go,d,fortran,objc,obj-c++ --enable-libmpx --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-arch-directory=amd64 --with-default-libstdcxx-abi=new --with-multilib-list=m32,m64,mx32 --with-tune=generic -v

ryzen1950-ubuntu1604-cpu-Workstation

Processor: AMD Ryzen Threadripper 1950X 16-Core @ 3.40GHz (32 Cores), Motherboard: MSI X399 GAMING PRO CARBON AC (MS-7B09) v1.0, Chipset: AMD Device 1450, Memory: 64512MB, Disk: 250GB Samsung SSD 850 + 4001GB Western Digital WD40EFRX-68W + 2 x 4001GB Western Digital WD40EFRX-68N, Graphics: MSI NVIDIA GeForce GTX 1080 8192MB (63/405MHz), Audio: Realtek Generic, Network: Intel I211 Gigabit Connection

OS: Ubuntu 16.04, Kernel: 4.10.0-33-generic (x86_64), Desktop: MATE 1.12.1, Display Driver: NVIDIA 381.22, OpenGL: 4.5.0, Vulkan: 1.0.42, Compiler: GCC 5.4.0 20160609, File-System: ext4, Screen Resolution: 1920x1080

Compiler Notes: --build=x86_64-linux-gnu --disable-browser-plugin --disable-vtable-verify --disable-werror --enable-checking=release --enable-clocale=gnu --enable-gnu-unique-object --enable-gtk-cairo --enable-java-awt=gtk --enable-java-home --enable-languages=c,ada,c++,java,go,d,fortran,objc,obj-c++ --enable-libmpx --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-arch-directory=amd64 --with-default-libstdcxx-abi=new --with-multilib-list=m32,m64,mx32 --with-tune=generic -v

ryzen1950-ubuntu1604-cpu

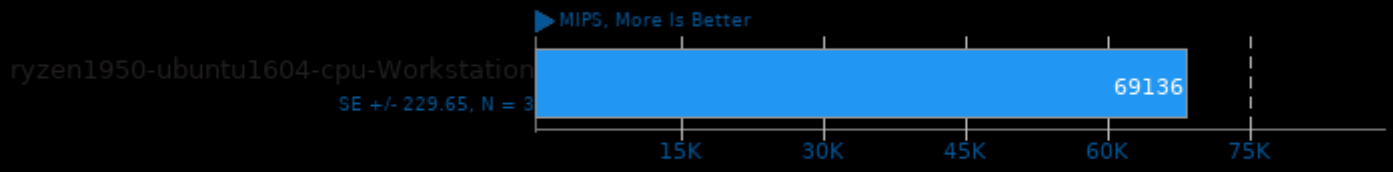
	Ryzen1950-Ubuntu16.04-CPU-1	Ryzen1950-Ubuntu16.04-CPU-Multicore	Ryzen1950-Ubuntu16.04-CPU-Dolfyn	Ryzen1950-Ubuntu16.04-CPU-x264	Ryzen1950-Ubuntu16.04-CPU-c-ray	Ryzen1950-Ubuntu16.04-CPU-Minion	Ryzen1950-Ubuntu16.04-CPU-HPC	ryzen1950-ubuntu1604-cpu-Workstation
7-Zip Compression - C.S.T (MIPS)								69136
Standard Deviation								0.6%
C-Ray - Total Time					4.02			
Standard Deviation					0.5%			
CLOMP - Static OMP Speedup (Speedup)							0.75	
Standard Deviation							15.1%	
Dolfyn - C.F.D (sec)			17.74					
Standard Deviation			1.5%					
Fhourstones - C.C.4.S (Kpos / sec)	11000							
Standard Deviation	0.8%							
GMPbench - Total Time (GMPbench Score)	4913							
High Performance Conjugate Gradient - P.T.S.v.2.1 ()							0.69	
Standard Deviation							1.4%	
HPC Challenge - G-HPL (GFLOPS)							135.45333	
Standard Deviation							0.2%	
HPC Challenge - G-Ffte (GFLOPS)							7.16209	
Standard Deviation							2%	
HPC Challenge - G-Ffte (GFLOP/s)							7.16209	
Standard Deviation							2%	
HPC Challenge - EP-DGEMM (GFLOPS)							7.19880	
Standard Deviation							1.6%	
HPC Challenge - G-Ptrans (GB/s)							3.31189	
Standard Deviation							1.2%	
HPC Challenge - EP-STREAM Triad (GB/s)							1.09201	
Standard Deviation							0.8%	
HPC Challenge - G-Rand Access (GUP/s)							0.06709	
Standard Deviation							6.4%	
HPC Challenge - R.R.L (usecs)							0.97656	
Standard Deviation							0.2%	

HPC Challenge - R.R.B (GB/s)			0.32496	
Standard Deviation			1.4%	
HPC Challenge - M.P.P.B (MB/s)			13541	
Standard Deviation			0.7%	
Minion - Graceful (sec)		45.44		
Standard Deviation		1.3%		
Minion - Solitaire (sec)		73.63		
Standard Deviation		1.1%		
Minion - Quasigroup (sec)		117.62		
Standard Deviation		1.1%		
NAS Parallel Benchmarks - LU.A (Mop/s)	25983			
Standard Deviation	1%			
SciMark - Composite (Mflops)			501.27	
Standard Deviation			0.6%	
SciMark - Monte Carlo (Mflops)			135.93	
Standard Deviation			0.8%	
SciMark - F.F.T (Mflops)			122.97	
Standard Deviation			1%	
SciMark - S.M.M			649.52	
Standard Deviation			1.5%	
SciMark - D.L.M.F (Mflops)			450.98	
Standard Deviation			4%	
SciMark - J.S.O.R (Mflops)			1147	
Standard Deviation			0.8%	
SPECViewPerf 9 - sw-01 (Weighted Geometric Mean)				62.67
Standard Deviation				1.1%
SPECViewPerf 9 - maya-02 (Weighted Geometric Mean)				120.30
Standard Deviation				0.6%
SPECViewPerf 9 - proe-04 (Weighted Geometric Mean)				26.80
Standard Deviation				0.6%
SPECViewPerf 9 - ugnx-01 (Weighted Geometric Mean)				13.51
Standard Deviation				0.1%

SPECViewPerf 9 - catia-02 (Weighted Geometric Mean)				23.16
Standard Deviation				1%
SPECViewPerf 9 - light-08 (Weighted Geometric Mean)				25.77
Standard Deviation				0.5%
SPECViewPerf 9 - tcvis-01 (Weighted Geometric Mean)				10.66
Standard Deviation				0.2%
SPECViewPerf 9 - 3dsmax-04 (Weighted Geometric Mean)				25.27
Standard Deviation				0.9%
SPECViewPerf 9 - ensight-03 (Weighted Geometric Mean)				123.73
Standard Deviation				0.4%
Timed HMMer Search - P.D.S (sec)	**6.09**	**6.12**		
Normalized	100%	99.51%		
Standard Deviation	0.2%	0.3%		
Timed Linux Kernel Compilation - Time To Compile (sec)				37.37
Standard Deviation				2.7%
Timed MrBayes Analysis - P.P.A (sec)	207.71			
Standard Deviation	0.2%			
x264 - H.2.V.E (FPS)			464.69	
Standard Deviation			1.1%	

7-Zip Compression 9.20.1

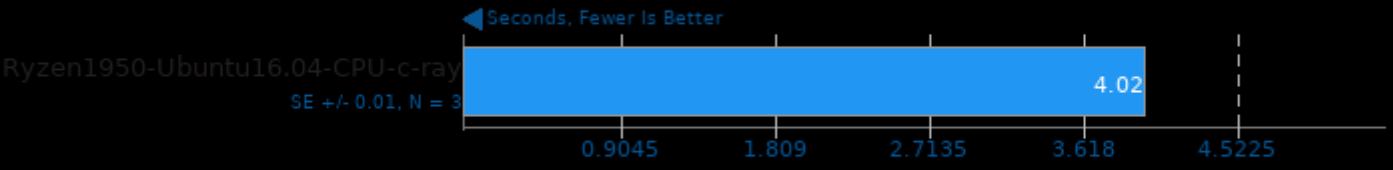
Compress Speed Test



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

C-Ray 1.1

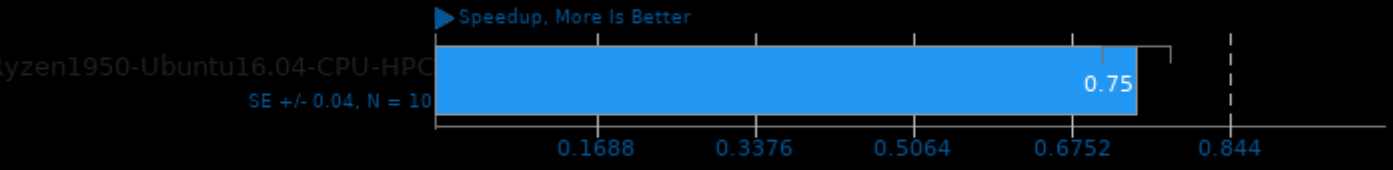
Total Time



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

CLOMP 3.3

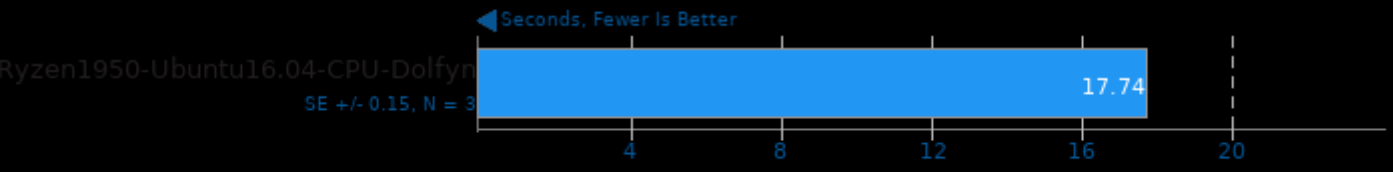
Static OMP Speedup



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

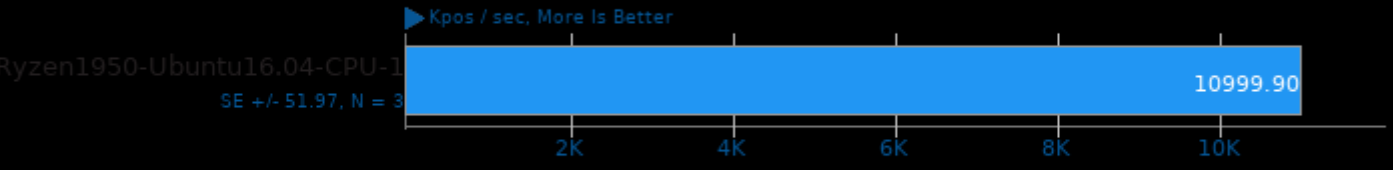
Dolfyn 0.527

Computational Fluid Dynamics



Fhourstones 3.1

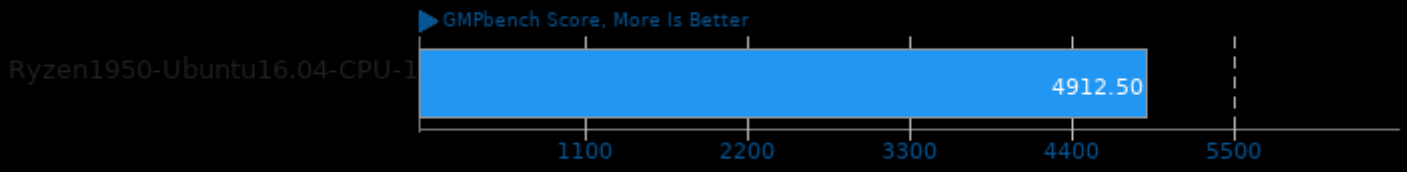
Complex Connect-4 Solving



1. (CC) gcc options: -O3

GMPbench 0.2

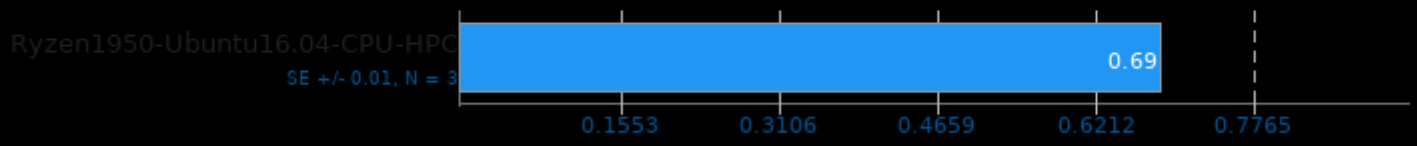
Total Time



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

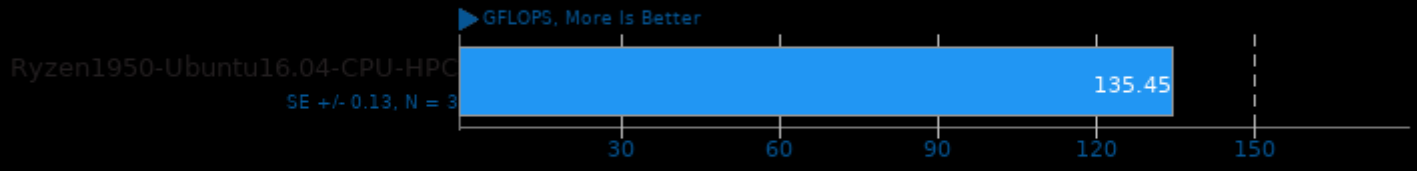
High Performance Conjugate Gradient 3.0

Phoronix Test Suite v7.2.1



HPC Challenge 1.5.0

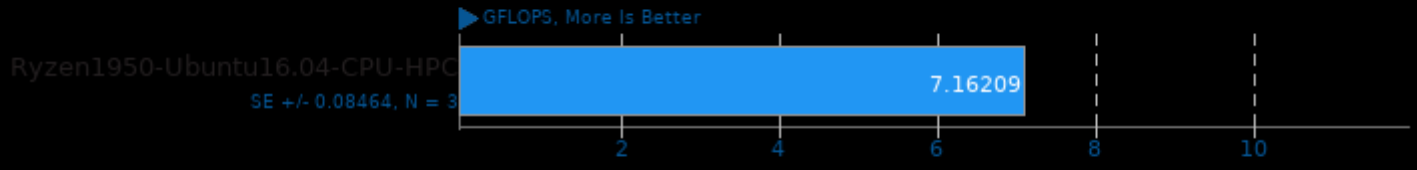
Test / Class: G-HPL



1. (CC) gcc options: -lblas -lm -pthread -lmpi -fomit-frame-pointer -O3 -march=native -funroll-loops
2. BLAS + Open MPI 1.10.2

HPC Challenge 1.5.0

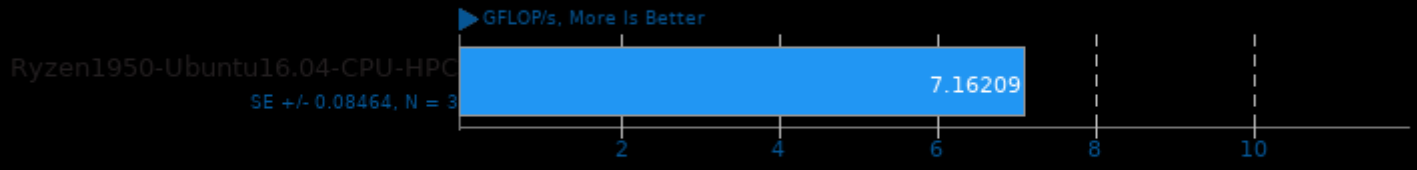
Test / Class: G-Ffte



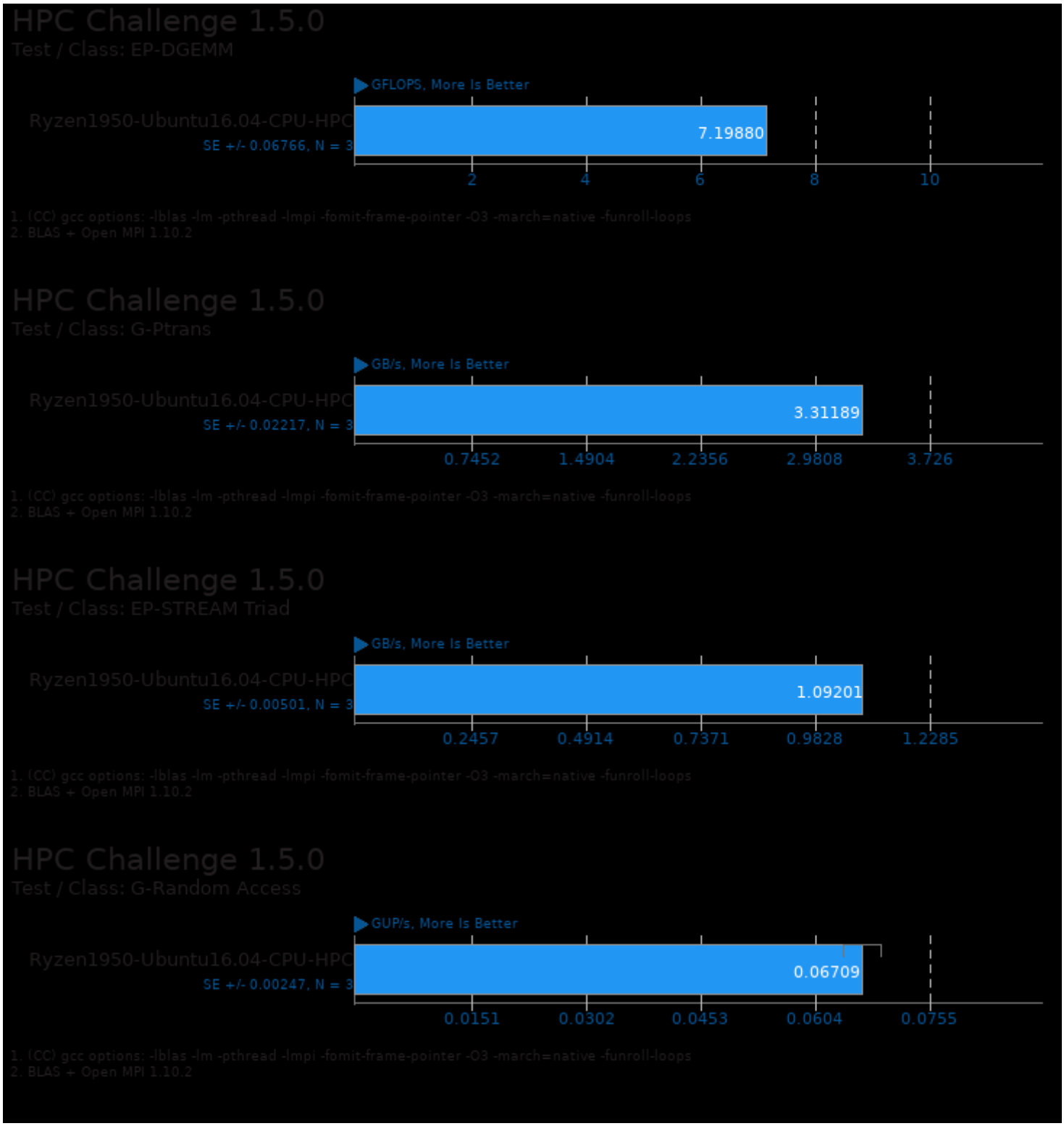
1. (CC) gcc options: -lblas -lm -pthread -lmpi -fomit-frame-pointer -O3 -march=native -funroll-loops
2. BLAS + Open MPI 1.10.2

HPC Challenge 1.5.0

Test / Class: G-Ffte

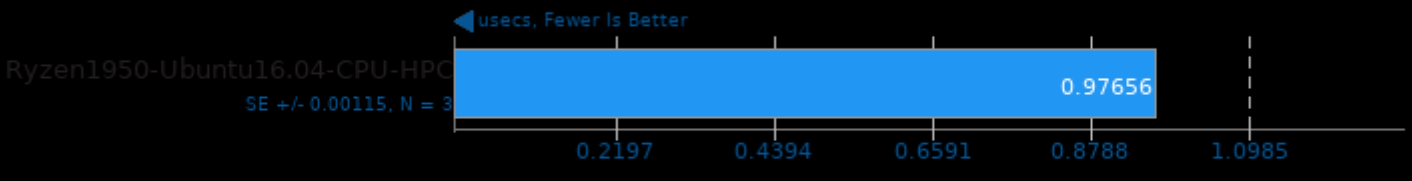


1. (CC) gcc options: -lblas -lm -pthread -lmpi -fomit-frame-pointer -O3 -march=native -funroll-loops
2. BLAS + Open MPI 1.10.2


HPC Challenge 1.5.0
Test / Class: EP-DGEMM
GFLOPS, More Is Better
Ryzen1950-Ubuntu16.04-CPU-HPC
SE +/- 0.06766, N = 3
7.19880
2
4
6
8
10
1. (CC) gcc options: -lblas -lm -pthread -lmpi -fomit-frame-pointer -O3 -march=native -funroll-loops
2. BLAS + Open MPI 1.10.2
HPC Challenge 1.5.0
Test / Class: G-Ptrans
GB/s, More Is Better
Ryzen1950-Ubuntu16.04-CPU-HPC
SE +/- 0.02217, N = 3
3.31189
0.7452
1.4904
2.2356
2.9808
3.726
1. (CC) gcc options: -lblas -lm -pthread -lmpi -fomit-frame-pointer -O3 -march=native -funroll-loops
2. BLAS + Open MPI 1.10.2
HPC Challenge 1.5.0
Test / Class: EP-STREAM Triad
GB/s, More Is Better
Ryzen1950-Ubuntu16.04-CPU-HPC
SE +/- 0.00501, N = 3
1.09201
0.2457
0.4914
0.7371
0.9828
1.2285
1. (CC) gcc options: -lblas -lm -pthread -lmpi -fomit-frame-pointer -O3 -march=native -funroll-loops
2. BLAS + Open MPI 1.10.2
HPC Challenge 1.5.0
Test / Class: G-Random Access
GUP/s, More Is Better
Ryzen1950-Ubuntu16.04-CPU-HPC
SE +/- 0.00247, N = 3
0.06709
0.0151
0.0302
0.0453
0.0604
0.0755
1. (CC) gcc options: -lblas -lm -pthread -lmpi -fomit-frame-pointer -O3 -march=native -funroll-loops
2. BLAS + Open MPI 1.10.2

HPC Challenge 1.5.0

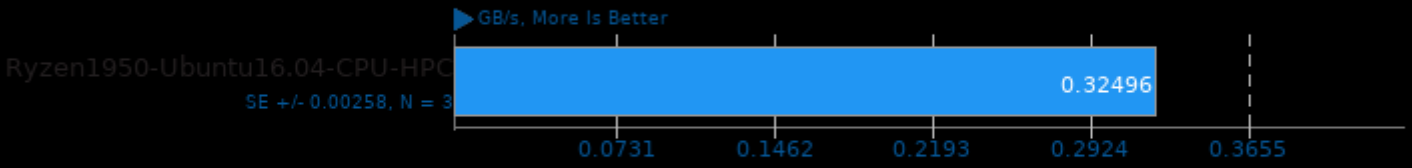
Test / Class: Random Ring Latency



1. (CC) gcc options: -lblas -lm -pthread -lmpi -fomit-frame-pointer -O3 -march=native -funroll-loops
2. BLAS + Open MPI 1.10.2

HPC Challenge 1.5.0

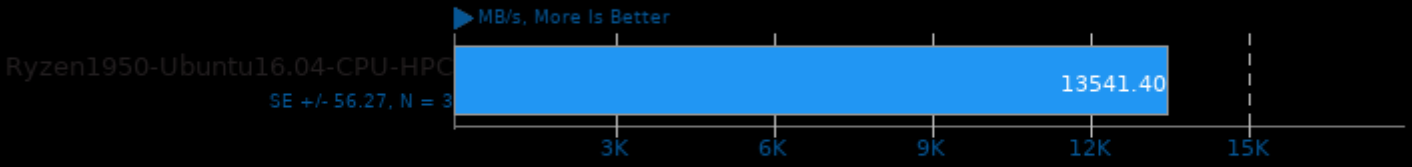
Test / Class: Random Ring Bandwidth



1. (CC) gcc options: -lblas -lm -pthread -lmpi -fomit-frame-pointer -O3 -march=native -funroll-loops
2. BLAS + Open MPI 1.10.2

HPC Challenge 1.5.0

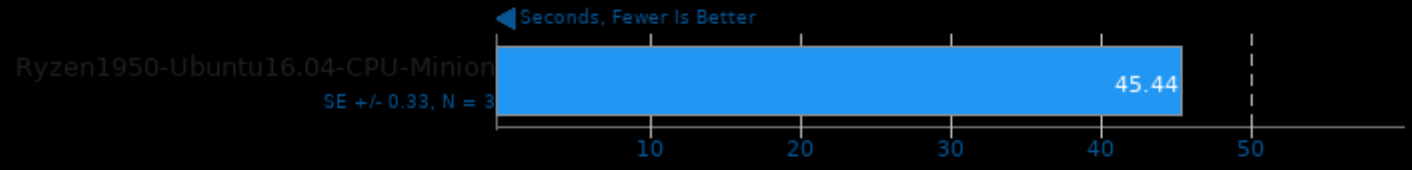
Test / Class: Max Ping Pong Bandwidth



1. (CC) gcc options: -lblas -lm -pthread -lmpi -fomit-frame-pointer -O3 -march=native -funroll-loops
2. BLAS + Open MPI 1.10.2

Minion 1.8

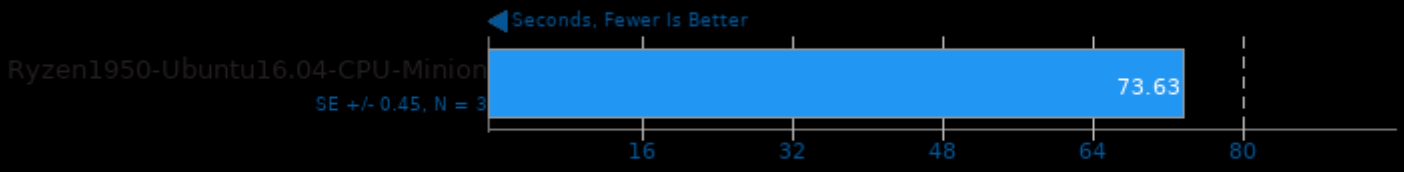
Benchmark: Graceful



1. (CXX) g++ options: -std=gnu++11 -O3 -fomit-frame-pointer -rdynamic

Minion 1.8

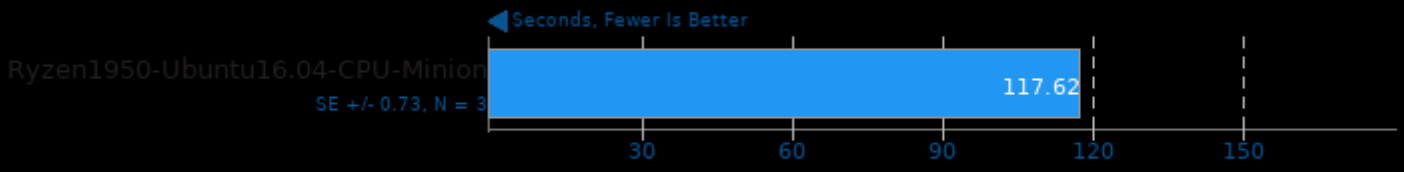
Benchmark: Solitaire



1. (CXX) g++ options: -std=gnu++11 -O3 -fomit-frame-pointer -rdynamic

Minion 1.8

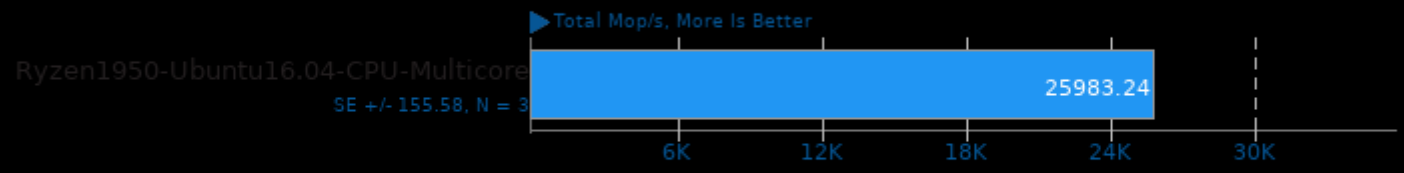
Benchmark: Quasigroup



1. (CXX) g++ options: -std=gnu++11 -O3 -fomit-frame-pointer -rdynamic

NAS Parallel Benchmarks 3.3

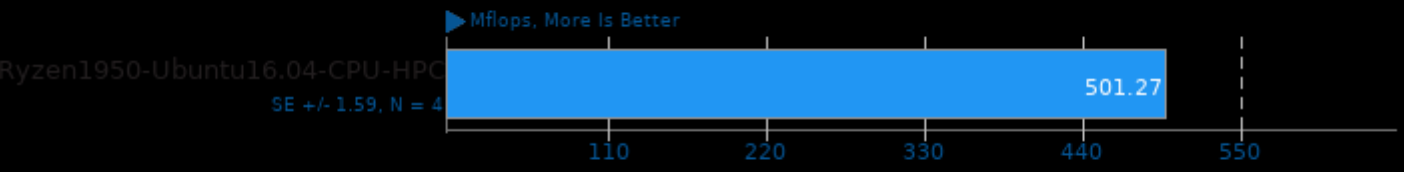
Test / Class: LU.A



1. (F9X) gfortran options: -O3 -march=native -pthread -lmpi_usempif08 -lmpi_mpifh -lmpi
2. Open MPI 1.10.2

SciMark 2.0

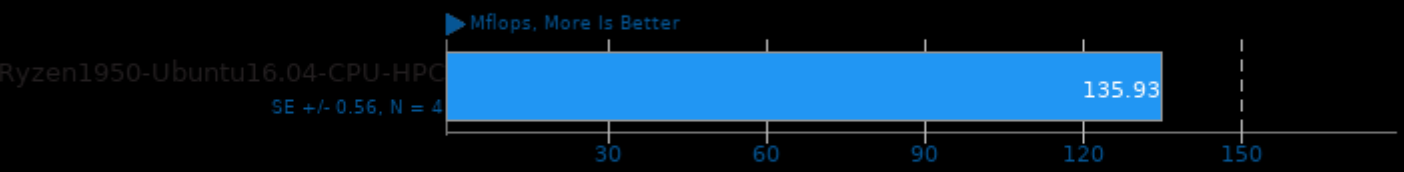
Computational Test: Composite



1. (CC) gcc options: -lm

SciMark 2.0

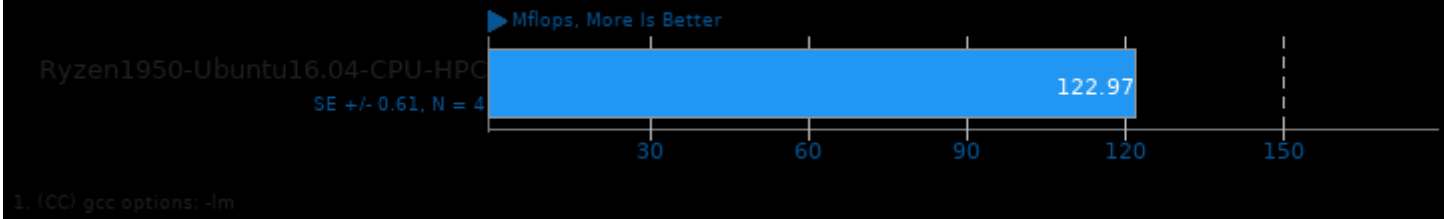
Computational Test: Monte Carlo



1. (CC) gcc options: -lm

SciMark 2.0

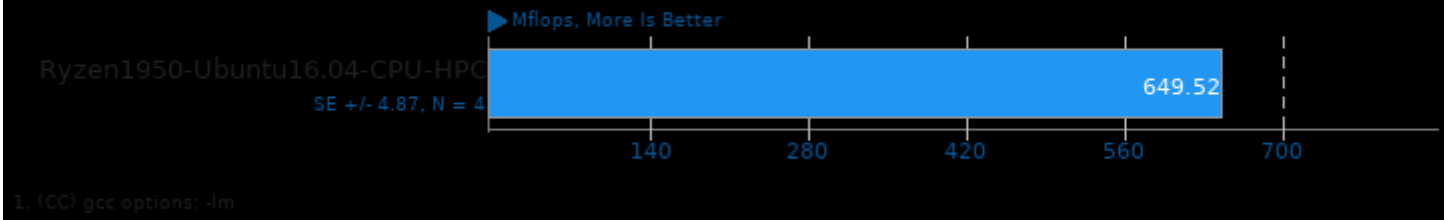
Computational Test: Fast Fourier Transform



1. (CC) gcc options: -lm

SciMark 2.0

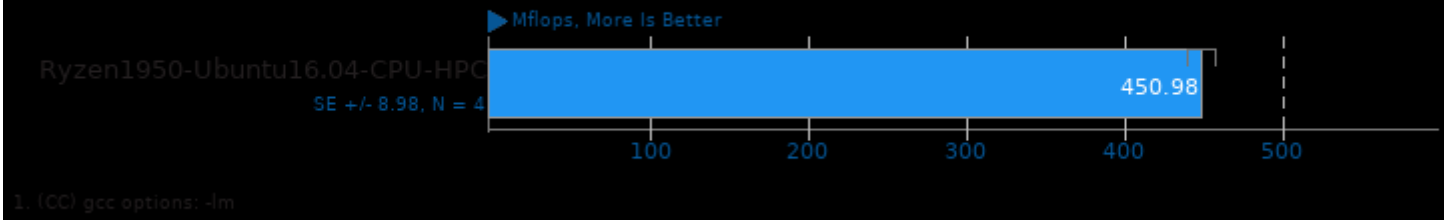
Computational Test: Sparse Matrix Multiply



1. (CC) gcc options: -lm

SciMark 2.0

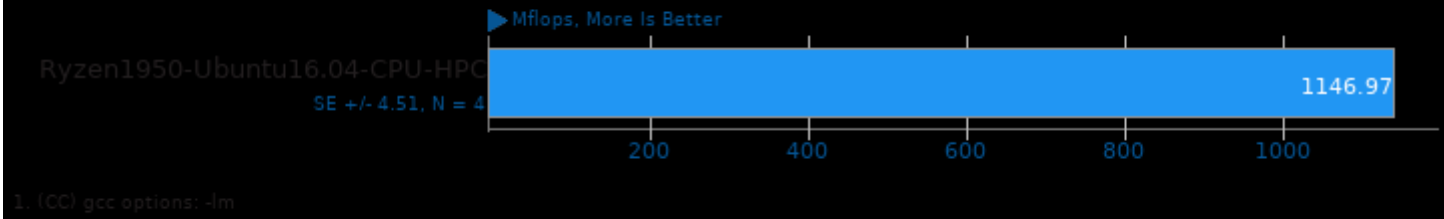
Computational Test: Dense LU Matrix Factorization



1. (CC) gcc options: -lm

SciMark 2.0

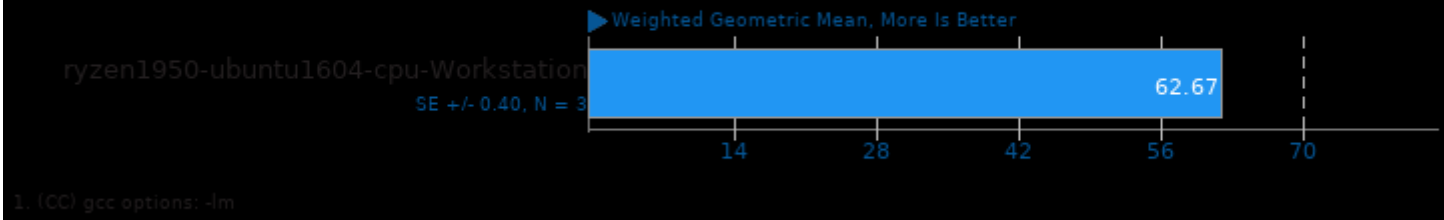
Computational Test: Jacobi Successive Over-Relaxation



1. (CC) gcc options: -lm

SPECViewPerf 9

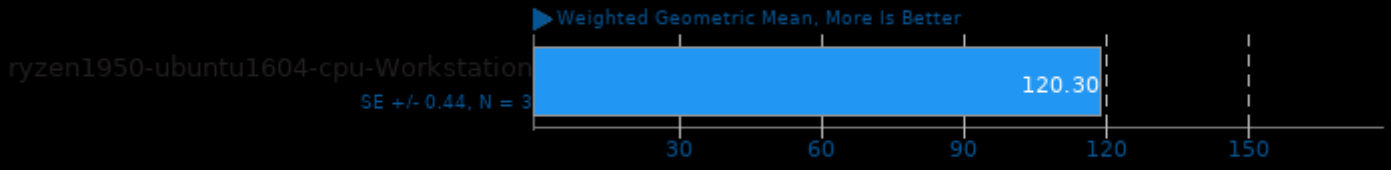
SPECViewPerf Test: sw-01



1. (CC) gcc options: -lm

SPECViewPerf 9

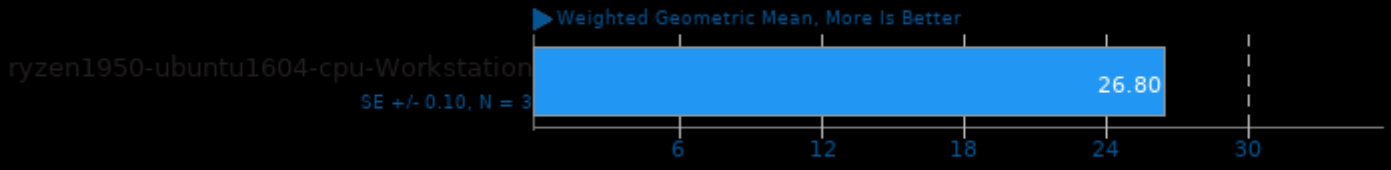
SPECViewPerf Test: maya-02



1. (CC) gcc options: -lm

SPECViewPerf 9

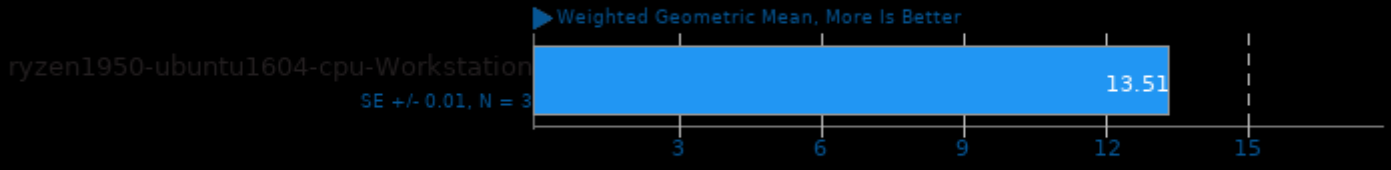
SPECViewPerf Test: proe-04



1. (CC) gcc options: -lm

SPECViewPerf 9

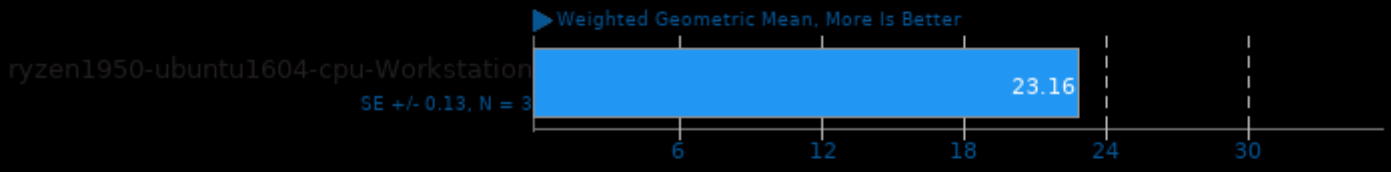
SPECViewPerf Test: ugnx-01



1. (CC) gcc options: -lm

SPECViewPerf 9

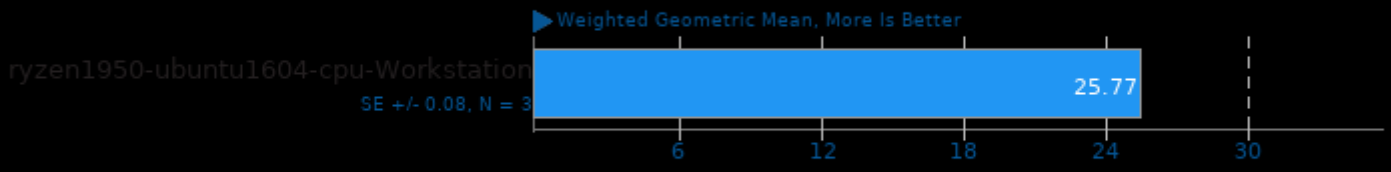
SPECViewPerf Test: catia-02



1. (CC) gcc options: -lm

SPECViewPerf 9

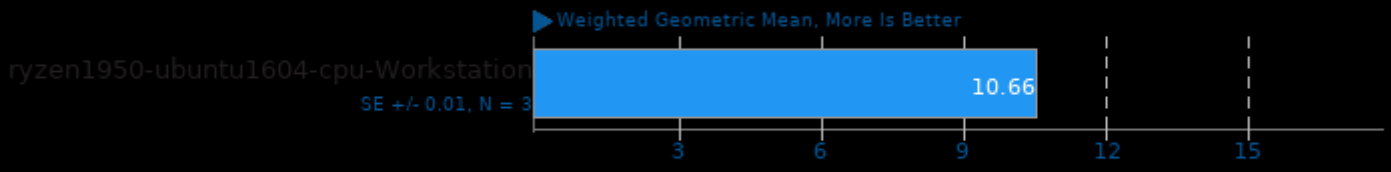
SPECViewPerf Test: light-08



1. (CC) gcc options: -lm

SPECViewPerf 9

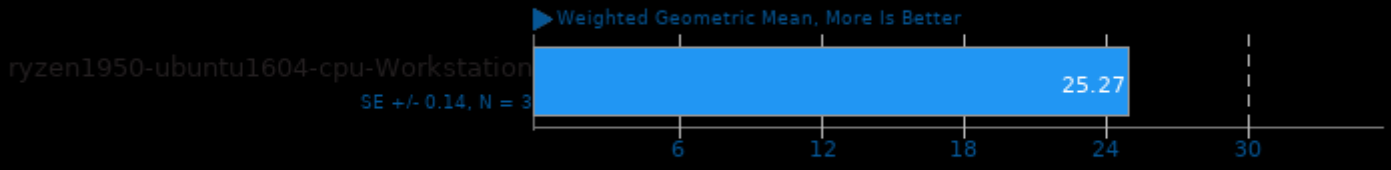
SPECViewPerf Test: tcvis-01



1. (CC) gcc options: -lm

SPECViewPerf 9

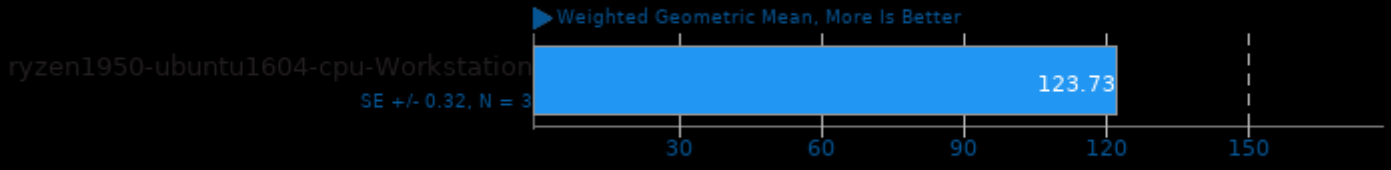
SPECViewPerf Test: 3dsmax-04



1. (CC) gcc options: -lm

SPECViewPerf 9

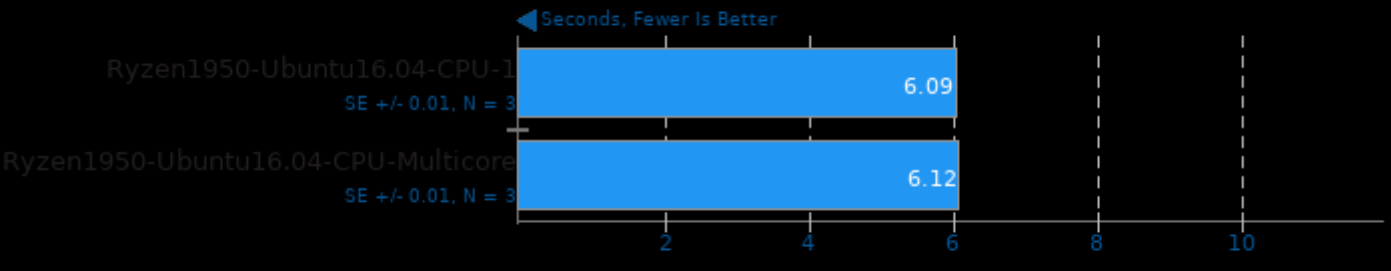
SPECViewPerf Test: ensight-03



1. (CC) gcc options: -lm

Timed HMMer Search 2.3.2

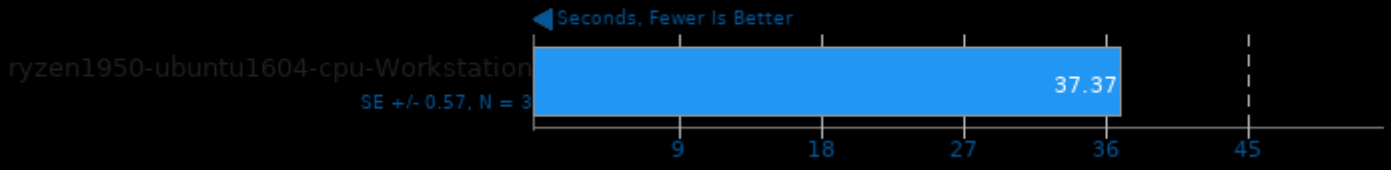
Pfam Database Search

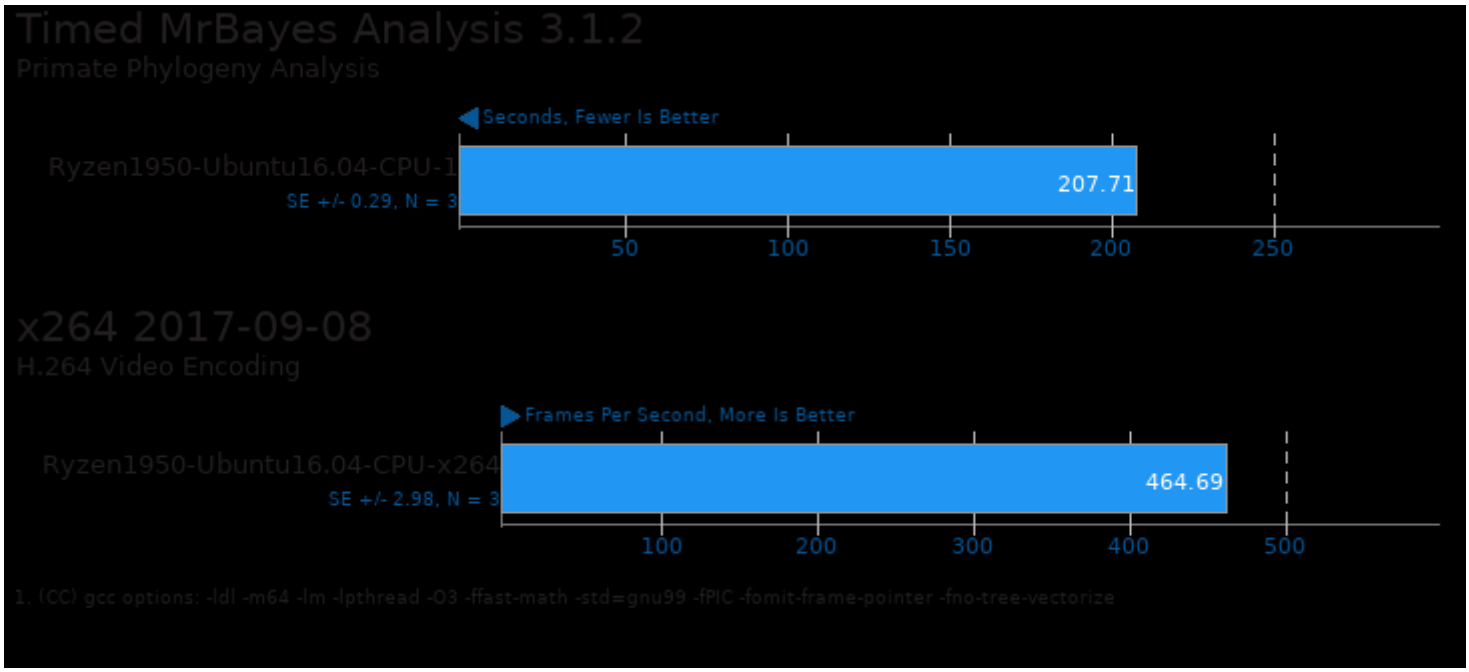


1. (CC) gcc options: -O2 -pthread -lhmmer -lsquid -lm

Timed Linux Kernel Compilation 4.9

Time To Compile





This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 04:35.