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Running pts/cl-mem-1.0.1, pts/gputest-1.3.2 via the Phoronix Test Suite.

Test Systems:

Intel Xeon E5-2680 v3

Broadcom Limited NetXtreme BCM5720 Gigabit PCIe

MSI NVIDIA GeForce GTX 1070 Ti

Processor: 2 x Intel Xeon E5-2680 v3 @ 3.30GHz (48 Cores), Motherboard: Dell 0975F3, Chipset: Intel Xeon E7 v3/Xeon, Memory: 64512MB, Disk: 75GB PERC H330 Adp + 59GB PERC H330 Adp + 105GB PERC H330 Adp + 6000GB PERC H730 Adp + 7999GB PERC H730 Adp + 120GB SATA SSD, Graphics: MSI NVIDIA GeForce GTX 1070 Ti 8192MB (1607/4006MHz), Audio: NVIDIA GP104 HD Audio, Network: Broadcom Limited NetXtreme BCM5720 Gigabit PCIe

OS: Ubuntu 18.04, Kernel: 4.15.0-43-generic (x86_64), Desktop: MATE 1.20.1, Display Driver: NVIDIA 390.77,

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OpenGL: 4.6.0, File-System: ext4, Screen Resolution: 1920x1080

Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++ --enable-libmpx --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --program-prefix=x86_64-linux-gnu- --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-default-libstdcxx-abi=new --with-gcc-major-version-only --with-multilib-list=m32,m64,mx32 --with-target-system-zlib --with-tune=generic --without-cuda-driver -v
Processor Notes: Scaling Governor: intel_pstate powersave
OpenCL Notes: GPU Compute Cores: 2432
System Notes: GPU Compute Cores: 2432.

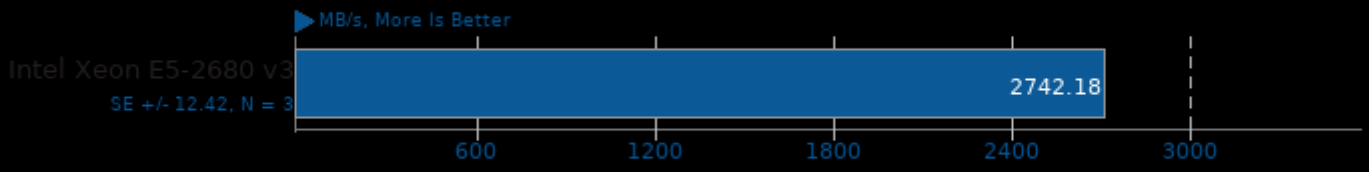
	Intel Xeon E5-2680 v3	Broadcom Limited NetXtreme BCM5720 Gigabit PCIe	MSI NVIDIA GeForce GTX 1070 Ti
CacheBench - Read (MB/s)	2742		
Standard Deviation	0.8%		
CacheBench - Write (MB/s)	12066		
Standard Deviation	0.1%		
CacheBench - R.M.W (MB/s)	24110		
Standard Deviation	3.3%		
7-Zip Compression - C.S.T (MIPS)	90992		
Standard Deviation	0.9%		
Timed Linux Kernel Compilation - Time To Compile (sec)	49.85		
Standard Deviation	3.3%		
C-Ray - Total Time - 4.1.R.P.P (sec)	47.66		
Standard Deviation	0.1%		
LAME MP3 Encoding - WAV To MP3 (sec)	38.82		
Standard Deviation	0.6%		
x264 - H.2.V.E (FPS)	114.98		
Standard Deviation	1.4%		
FFmpeg - H.2.H.T.N.D (sec)	12.17		
Standard Deviation	1%		
PHPBench - P.B.S (Score)	477337		
Standard Deviation	4.9%		
RAMspeed SMP - Add - Integer (MB/s)		22970	
RAMspeed SMP - Copy - Integer (MB/s)		19035	
RAMspeed SMP - Scale - Integer (MB/s)		18467	
RAMspeed SMP - Triad - Integer (MB/s)		21048	
RAMspeed SMP - Average - Integer (MB/s)		20346	
RAMspeed SMP - Add - Floating Point (MB/s)		22109	
RAMspeed SMP - Copy - Floating Point		19090	
RAMspeed SMP - Scale - Floating Point		18493	
RAMspeed SMP - Triad - Floating Point		22440	
RAMspeed SMP - Average - Floating Point (MB/s)		20524	
cl-mem - Copy (GB/s)			188.17
Standard Deviation			0.1%
cl-mem - Read (GB/s)			204.43
Standard Deviation			0.8%

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cl-mem - Write (GB/s)	201.27
Standard Deviation	0.2%
GpuTest - GiMark - 1920 x 1080 - Fullscreen (Points)	8606
Standard Deviation	0.2%
GpuTest - Plot3D - 1920 x 1080 - Fullscreen (Points)	142366
Standard Deviation	16.6%
GpuTest - Furmark - 1920 x 1080 - Fullscreen (Points)	7418
Standard Deviation	2.3%
GpuTest - TessMark - 1920 x 1080 - Fullscreen (Points)	24661
Standard Deviation	0.1%
GpuTest - Triangle - 1920 x 1080 - Fullscreen (Points)	437440
Standard Deviation	31.7%
GpuTest - Pixmark Piano - 1920 x 1080 - Fullscreen (Points)	2463
Standard Deviation	0.2%
GpuTest - Pixmark Volplosion - 1920 x 1080 - Fullscreen (Points)	8447
Standard Deviation	2.2%

CacheBench

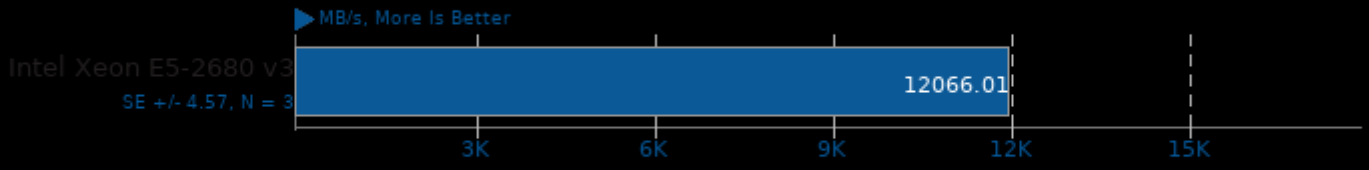
Test: Read



1. (CC) gcc options: -lrt

CacheBench

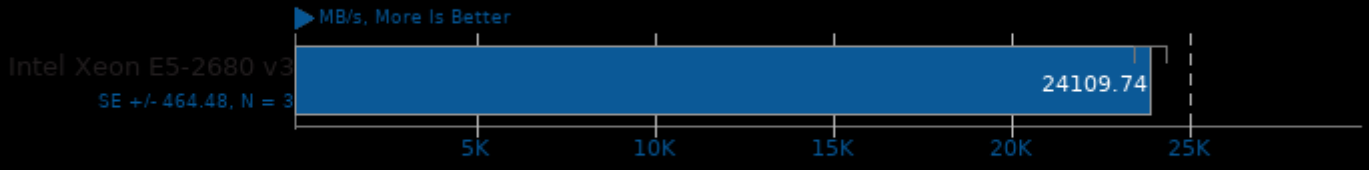
Test: Write



1. (CC) gcc options: -lrt

CacheBench

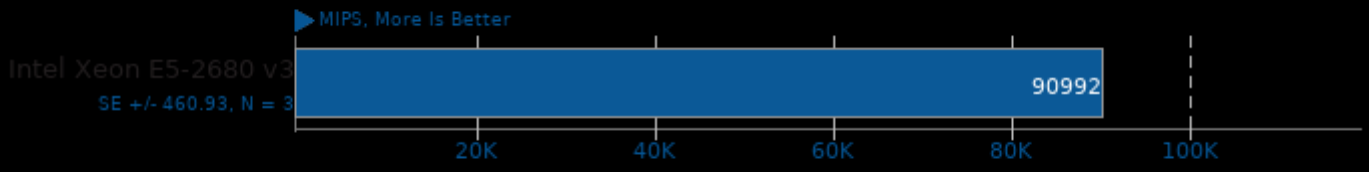
Test: Read / Modify / Write



1. (CC) gcc options: -lrt

7-Zip Compression 16.02

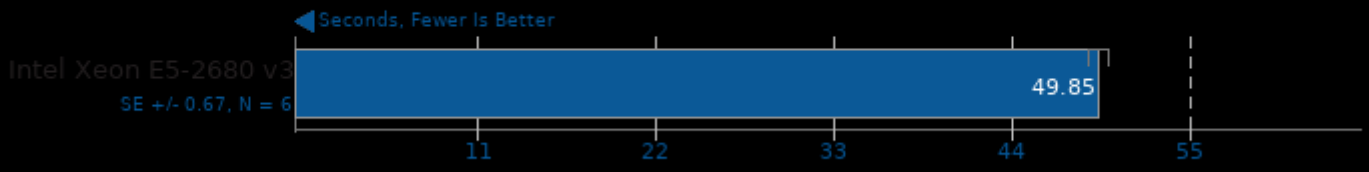
Compress Speed Test



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

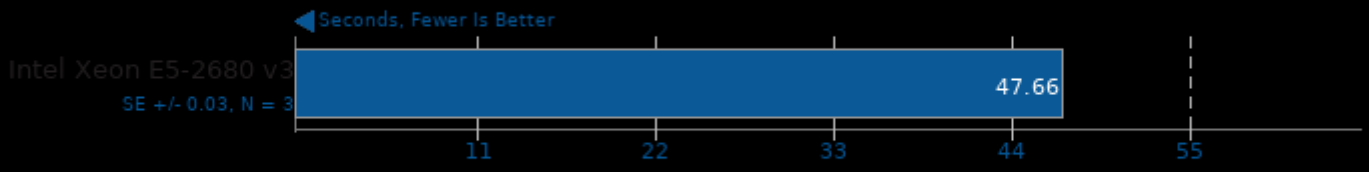
Timed Linux Kernel Compilation 4.18

Time To Compile



C-Ray 1.1

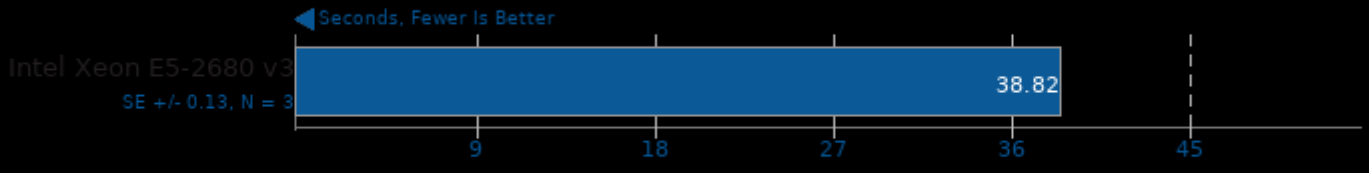
Total Time - 4K, 16 Rays Per Pixel



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

LAME MP3 Encoding 3.100

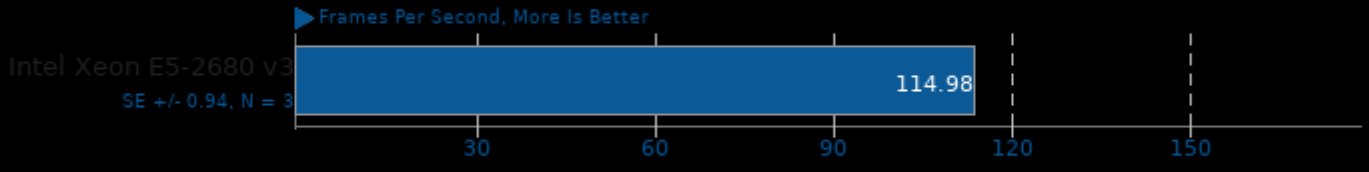
WAV To MP3



1. (CC) gcc options: -lm

x264 2018-09-25

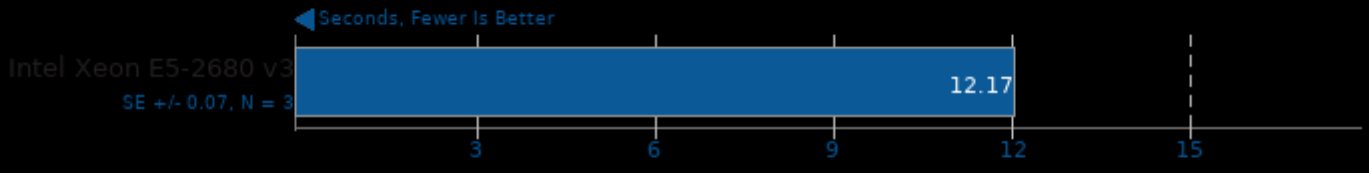
H.264 Video Encoding



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

FFmpeg 4.0.2

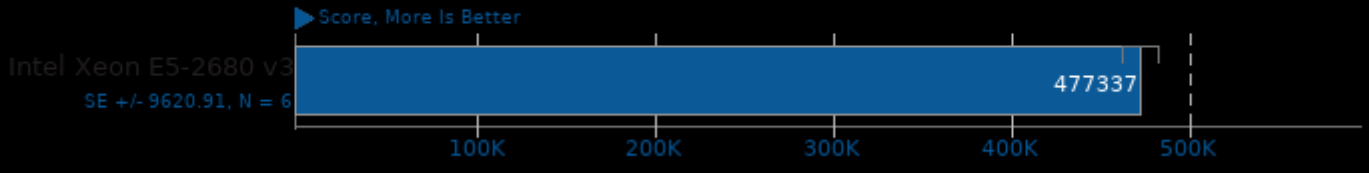
H.264 HD To NTSC DV



1. (CC) gcc options: -lavdevice -lavfilter -lavformat -lavcodec -lswresample -lswscale -lavutil -lXv -lX11 -lXext -lm -lxcb -lxcb-shape -lxcb-xfixes -pthread -l

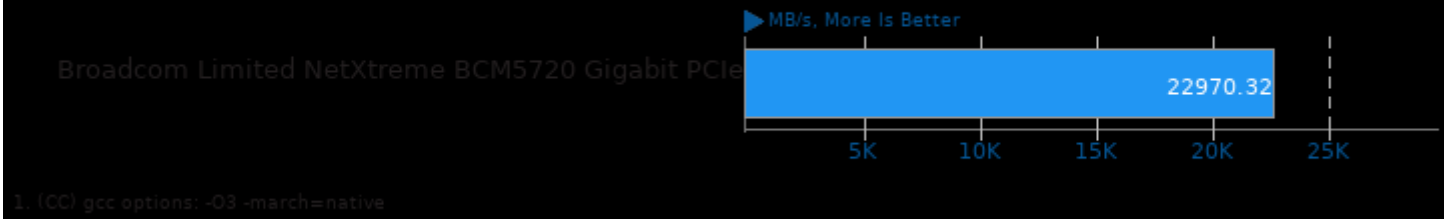
PHPBench 0.8.1

PHP Benchmark Suite



RAMspeed SMP 3.5.0

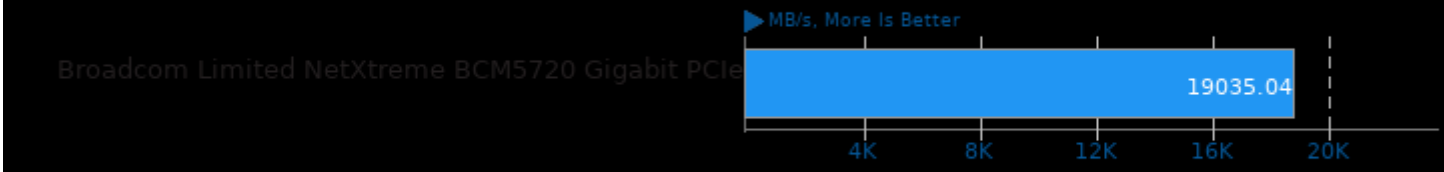
Type: Add - Benchmark: Integer



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

RAMspeed SMP 3.5.0

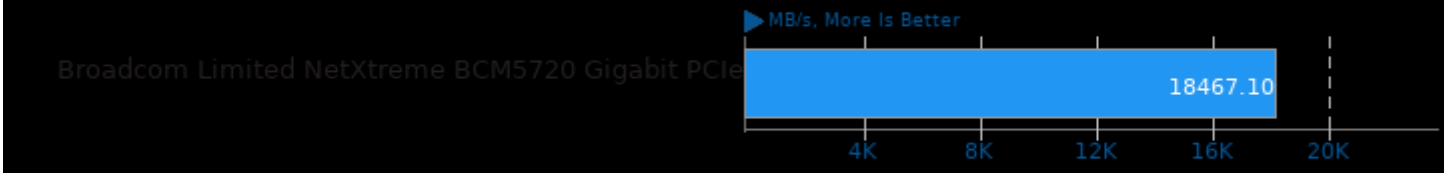
Type: Copy - Benchmark: Integer



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

RAMspeed SMP 3.5.0

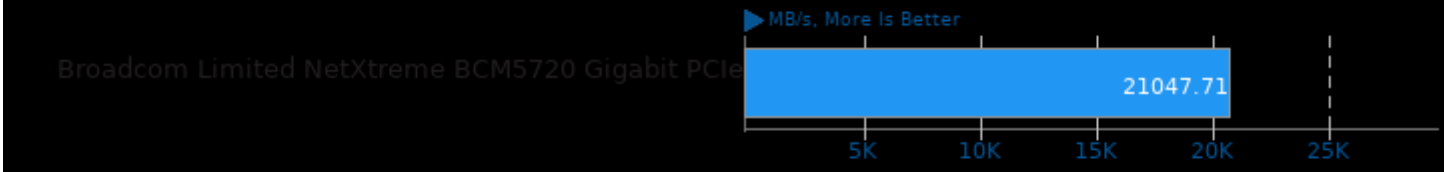
Type: Scale - Benchmark: Integer



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

RAMspeed SMP 3.5.0

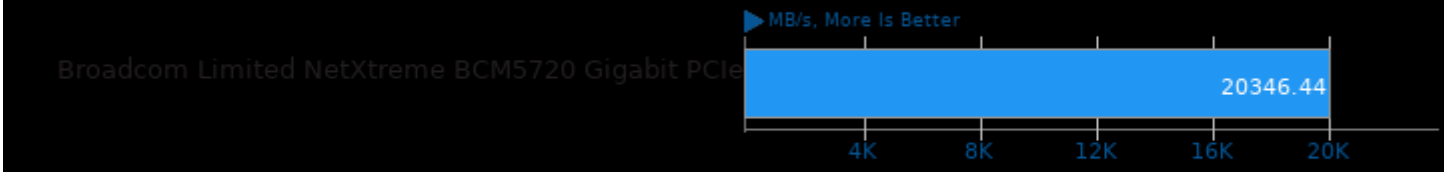
Type: Triad - Benchmark: Integer



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

RAMspeed SMP 3.5.0

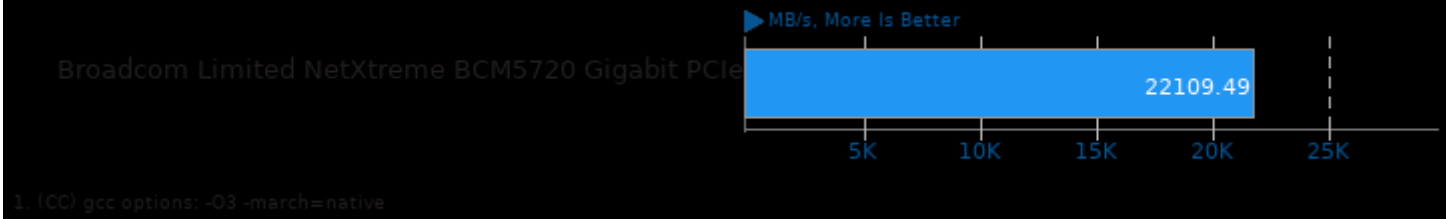
Type: Average - Benchmark: Integer



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

RAMspeed SMP 3.5.0

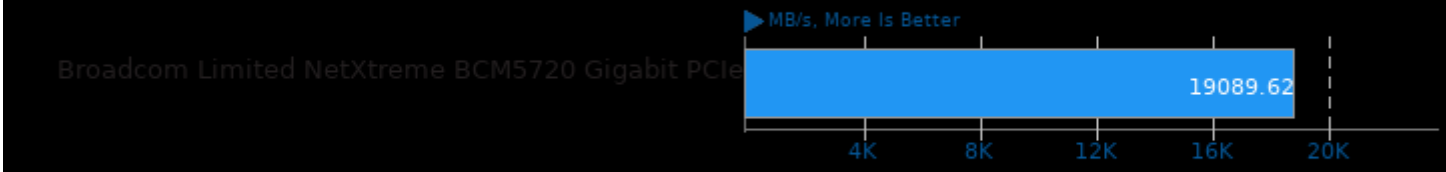
Type: Add - Benchmark: Floating Point



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

RAMspeed SMP 3.5.0

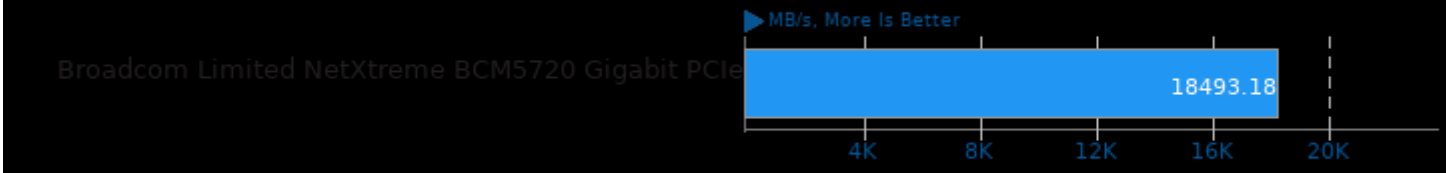
Type: Copy - Benchmark: Floating Point



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

RAMspeed SMP 3.5.0

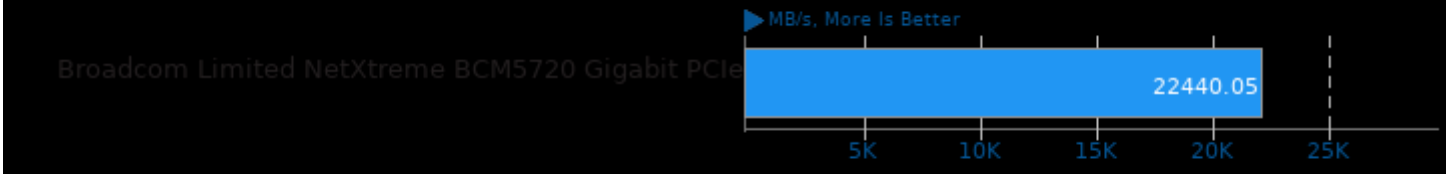
Type: Scale - Benchmark: Floating Point



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

RAMspeed SMP 3.5.0

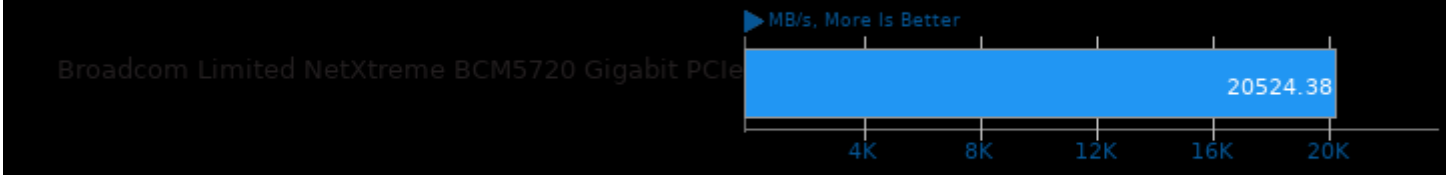
Type: Triad - Benchmark: Floating Point



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

RAMspeed SMP 3.5.0

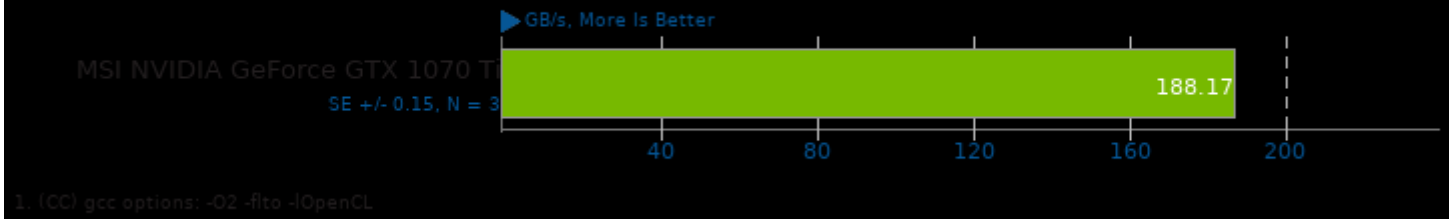
Type: Average - Benchmark: Floating Point



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

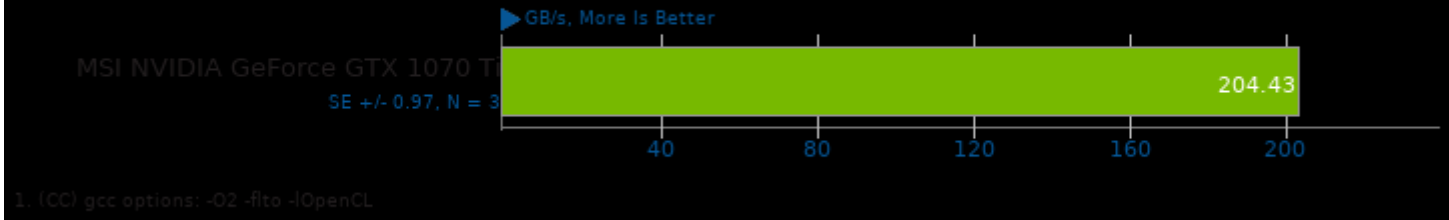
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cl-mem 2017-01-13
Benchmark: Copy



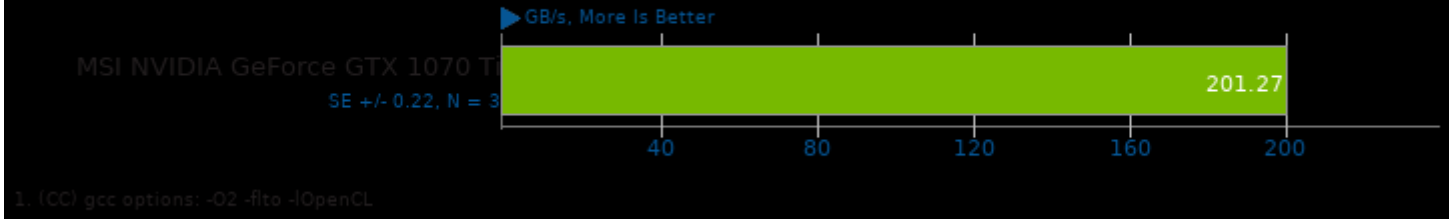
1. (CC) gcc options: -O2 -flto -lOpenCL

cl-mem 2017-01-13
Benchmark: Read



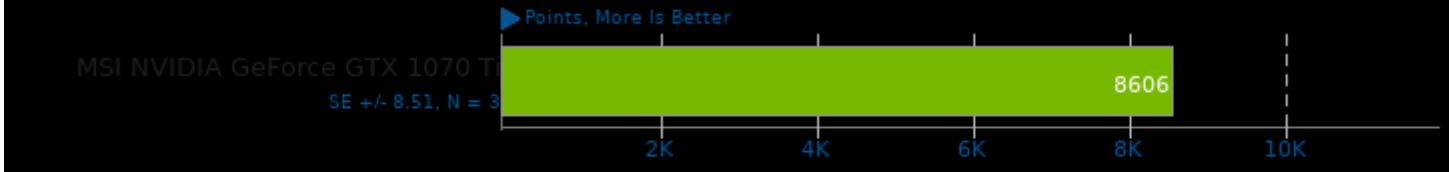
1. (CC) gcc options: -O2 -flto -lOpenCL

cl-mem 2017-01-13
Benchmark: Write

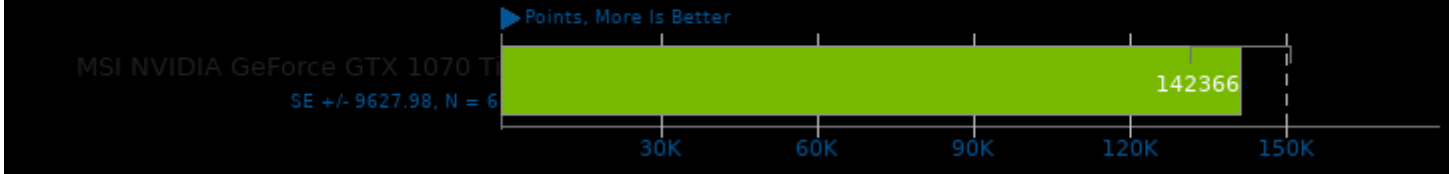


1. (CC) gcc options: -O2 -flto -lOpenCL

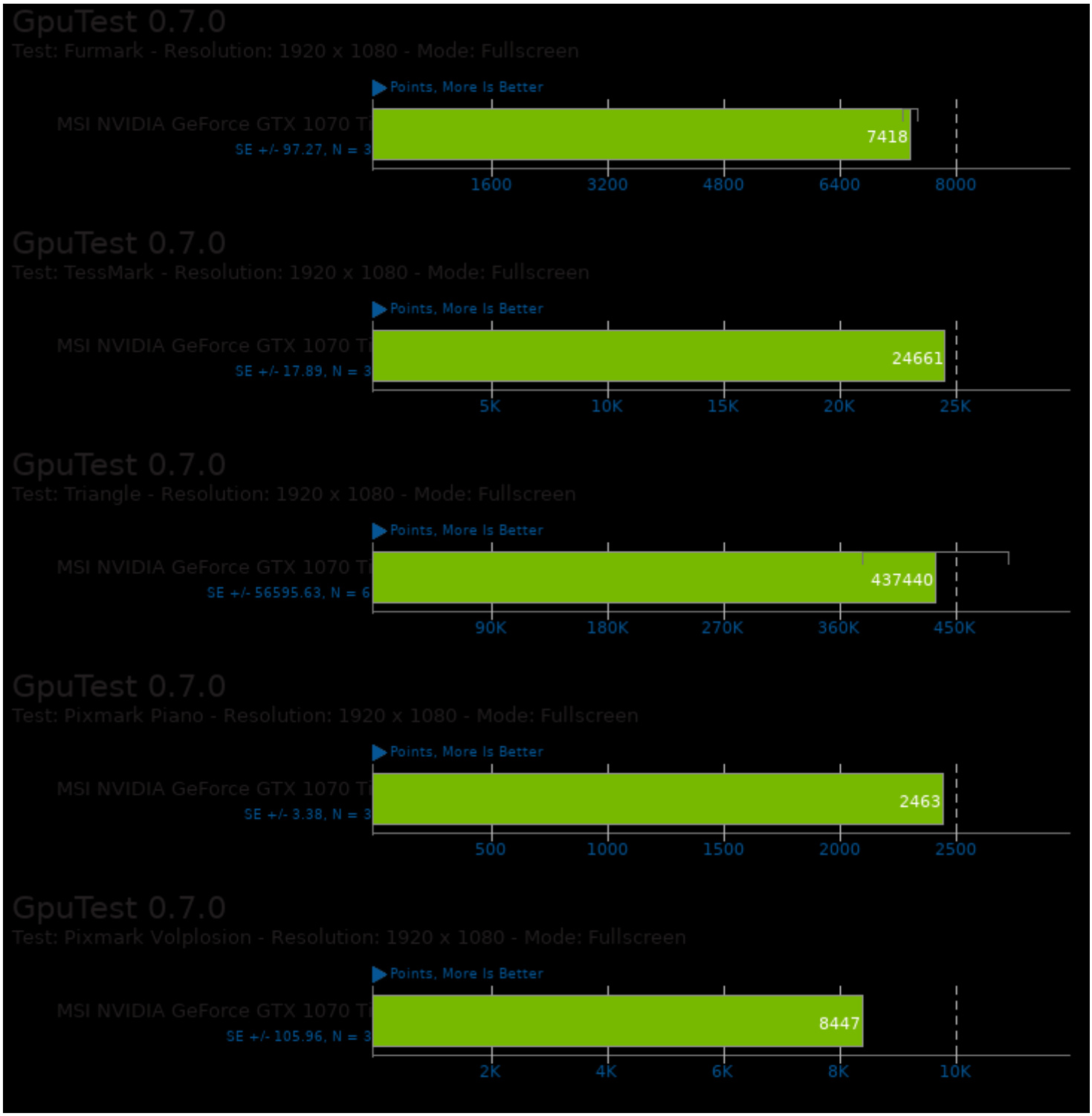
GpuTest 0.7.0
Test: GiMark - Resolution: 1920 x 1080 - Mode: Fullscreen



GpuTest 0.7.0
Test: Plot3D - Resolution: 1920 x 1080 - Mode: Fullscreen



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