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starfish

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
7-Zip Compression - C.S.T (MIPS)	90992		
Standard Deviation	0.9%		
C-Ray - Total Time - 4.1.R.P.P (sec)	47.66		
Standard Deviation	0.1%		
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%		
cl-mem - Copy (GB/s)			188.17
Standard Deviation			0.1%
cl-mem - Read (GB/s)			204.43
Standard Deviation			0.8%
cl-mem - Write (GB/s)			201.27
Standard Deviation			0.2%
FFmpeg - H.2.H.T.N.D (sec)	12.17		
Standard Deviation	1%		
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%

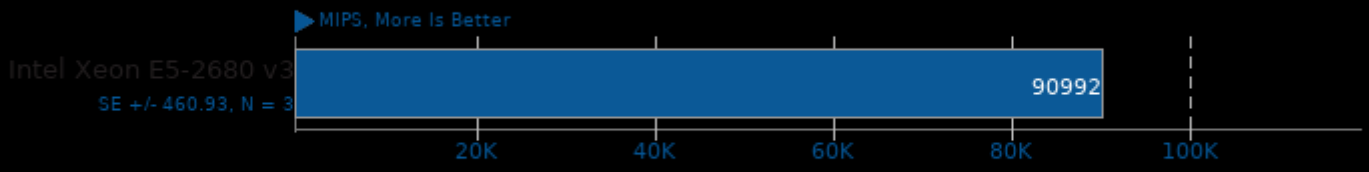
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GpuTest - Pixmark Volplosion - 1920 x 1080 - Fullscreen (Points)			8447
Standard Deviation			2.2%
LAME MP3 Encoding - WAV To MP3 (sec)	38.82		
Standard Deviation	0.6%		
PHPBench - P.B.S (Score)	477337		
Standard Deviation	4.9%		
RAMspeed SMP - Add - 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	
Timed Linux Kernel Compilation - Time To Compile (sec)	49.85		
Standard Deviation	3.3%		
x264 - H.2.V.E (FPS)	114.98		
Standard Deviation	1.4%		

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7-Zip Compression 16.02

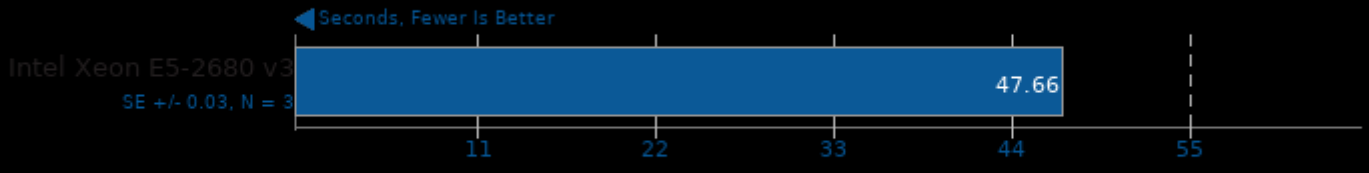
Compress Speed Test



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

C-Ray 1.1

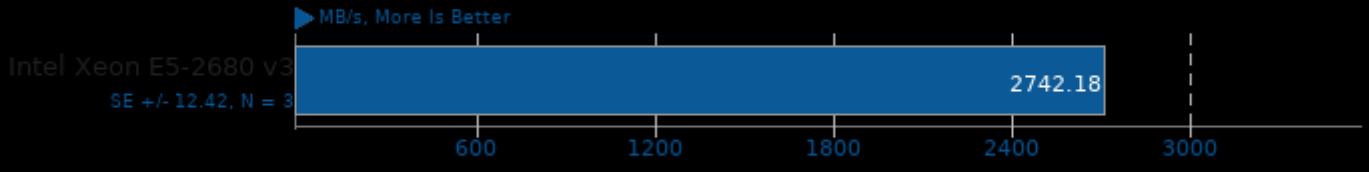
Total Time - 4K, 16 Rays Per Pixel



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

CacheBench

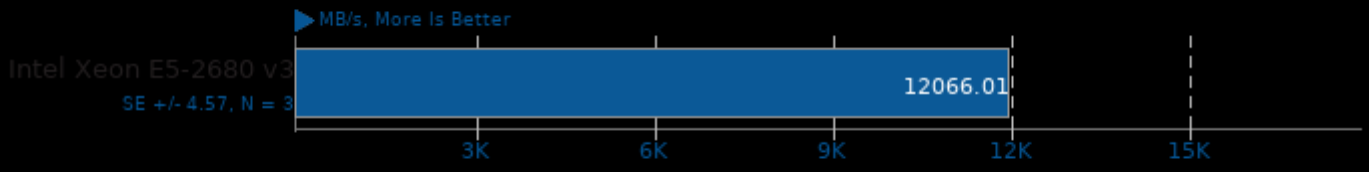
Test: Read



1. (CC) gcc options: -lrt

CacheBench

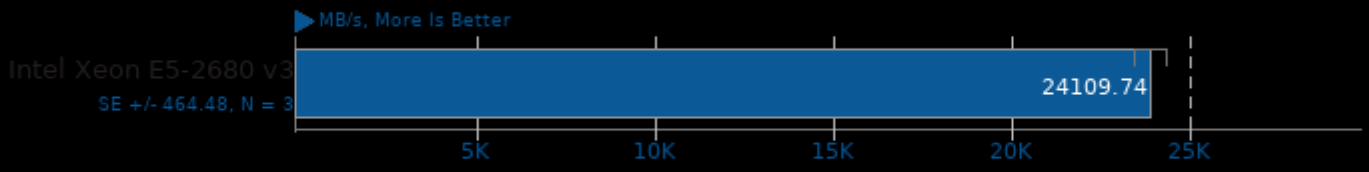
Test: Write



1. (CC) gcc options: -lrt

CacheBench

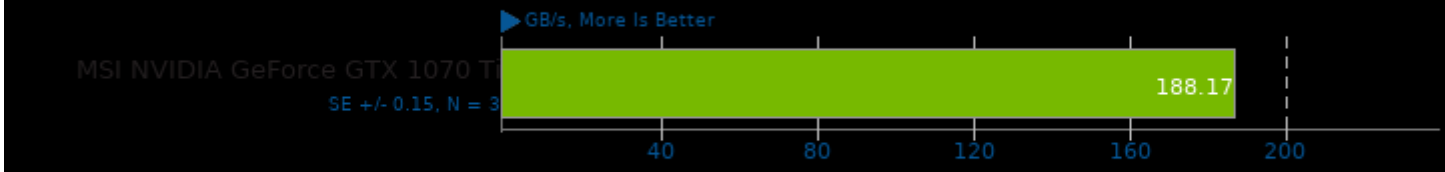
Test: Read / Modify / Write



1. (CC) gcc options: -lrt

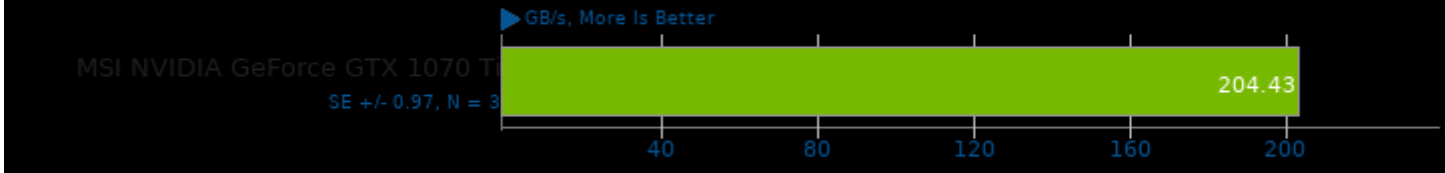
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cl-mem 2017-01-13
Benchmark: Copy



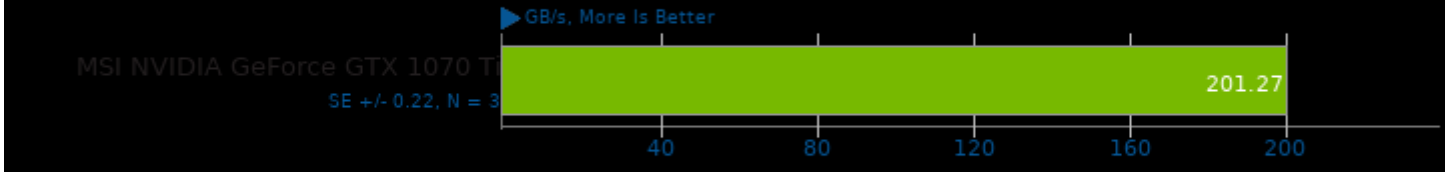
1. (CC) gcc options: -O2 -flto -lOpenCL

cl-mem 2017-01-13
Benchmark: Read



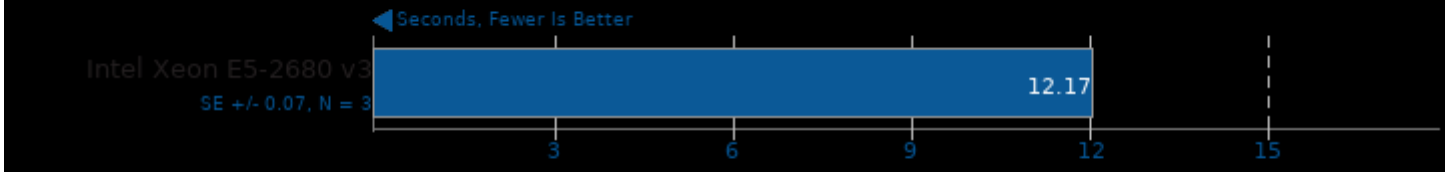
1. (CC) gcc options: -O2 -flto -lOpenCL

cl-mem 2017-01-13
Benchmark: Write



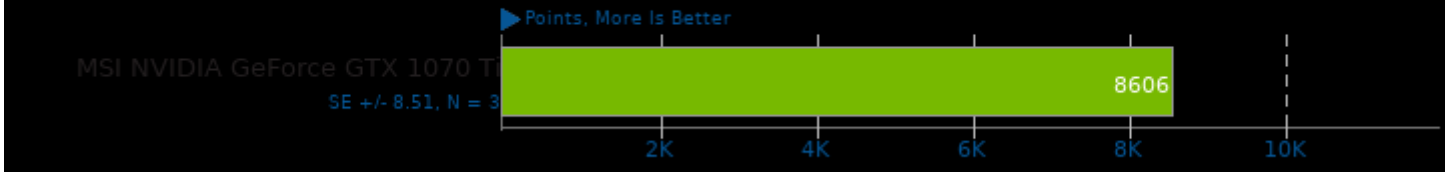
1. (CC) gcc options: -O2 -flto -lOpenCL

FFmpeg 4.0.2
H.264 HD To NTSC DV

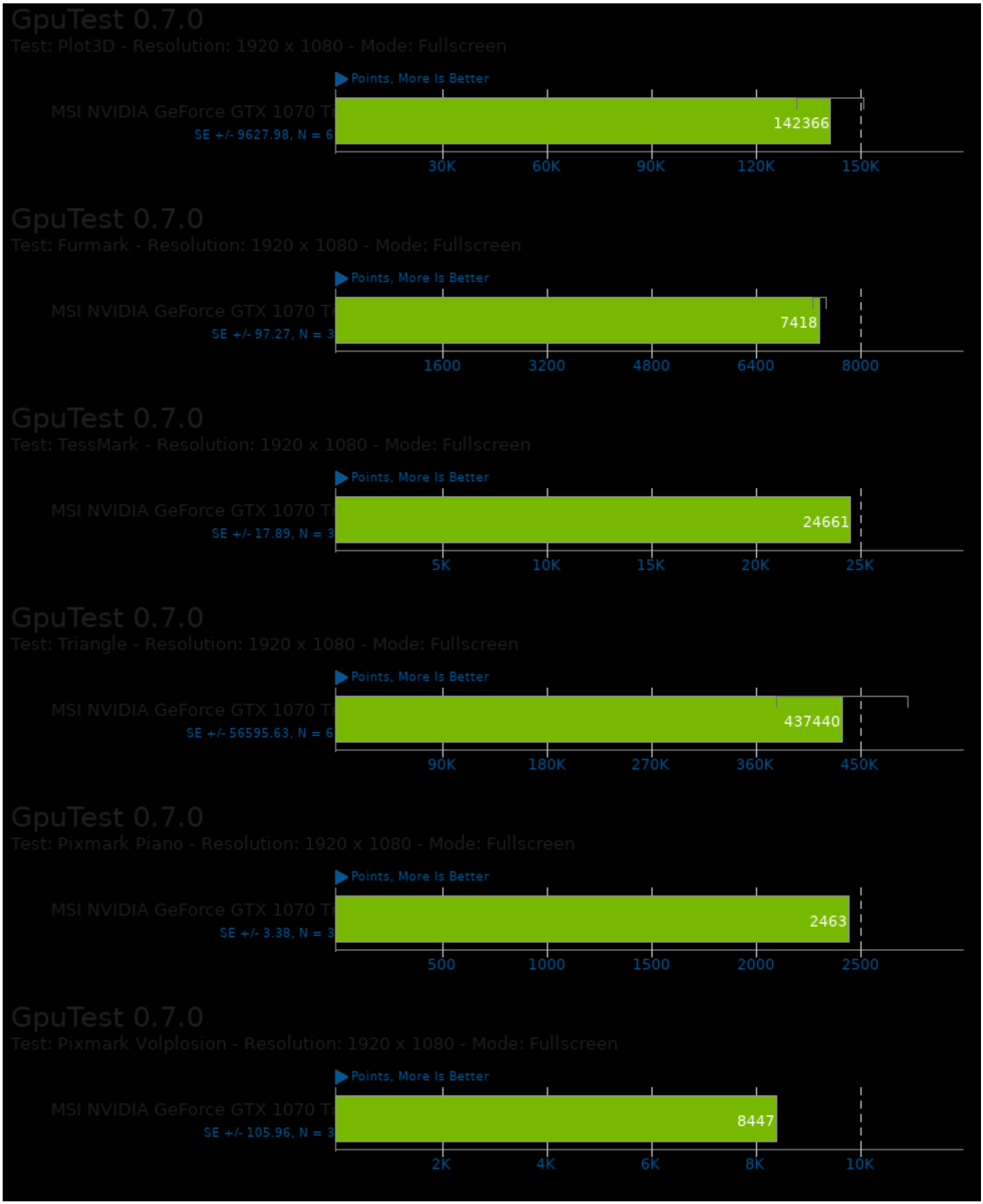


1. (CC) gcc options: -lavdevice -lavfilter -lavformat -lavcodec -lswresample -lswscale -lavutil -lXv -lX11 -lXext -lm -lxcb -lxcb-shape -lxcb-xfixes -pthread -l

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



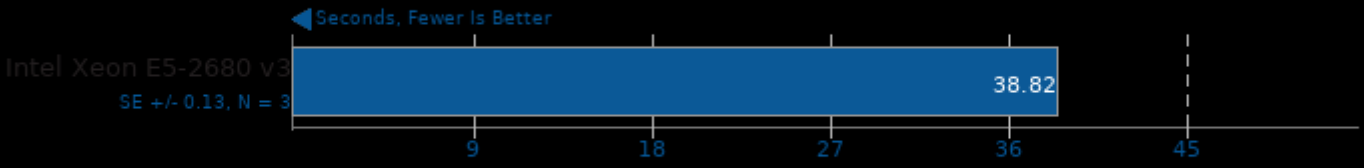
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GpuTest 0.7.0
Test: Plot3D - Resolution: 1920 x 1080 - Mode: Fullscreen
Points, More Is Better
MSI NVIDIA GeForce GTX 1070 Ti
SE +/- 9627.98, N = 6
142366
30K
60K
90K
120K
150K
GpuTest 0.7.0
Test: Furmark - Resolution: 1920 x 1080 - Mode: Fullscreen
Points, More Is Better
MSI NVIDIA GeForce GTX 1070 Ti
SE +/- 97.27, N = 3
7418
1600
3200
4800
6400
8000
GpuTest 0.7.0
Test: TessMark - Resolution: 1920 x 1080 - Mode: Fullscreen
Points, More Is Better
MSI NVIDIA GeForce GTX 1070 Ti
SE +/- 17.89, N = 3
24661
5K
10K
15K
20K
25K
GpuTest 0.7.0
Test: Triangle - Resolution: 1920 x 1080 - Mode: Fullscreen
Points, More Is Better
MSI NVIDIA GeForce GTX 1070 Ti
SE +/- 56595.63, N = 6
437440
90K
180K
270K
360K
450K
GpuTest 0.7.0
Test: Pixmark Piano - Resolution: 1920 x 1080 - Mode: Fullscreen
Points, More Is Better
MSI NVIDIA GeForce GTX 1070 Ti
SE +/- 3.38, N = 3
2463
500
1000
1500
2000
2500
GpuTest 0.7.0
Test: Pixmark Volplosion - Resolution: 1920 x 1080 - Mode: Fullscreen
Points, More Is Better
MSI NVIDIA GeForce GTX 1070 Ti
SE +/- 105.96, N = 3
8447
2K
4K
6K
8K
10K

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LAME MP3 Encoding 3.100

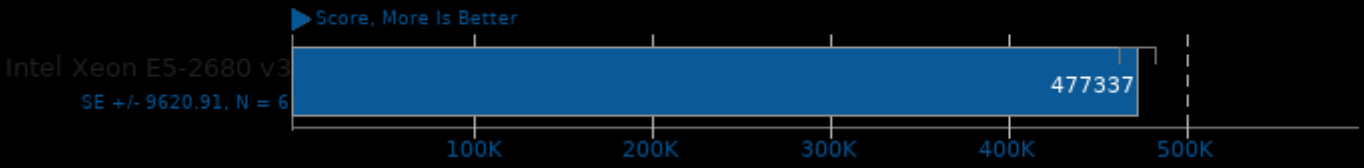
WAV To MP3



1. (CC) gcc options: -lm

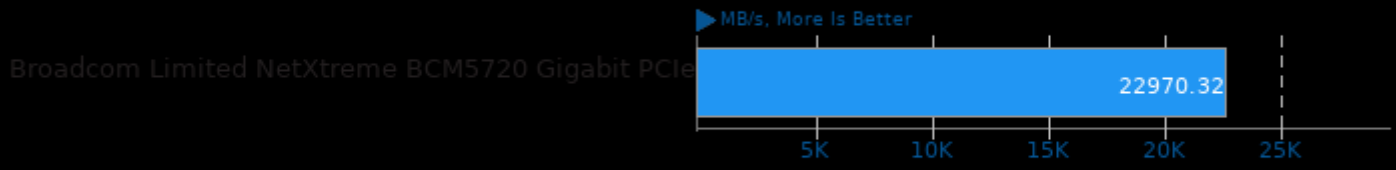
PHPBench 0.8.1

PHP Benchmark Suite



RAMspeed SMP 3.5.0

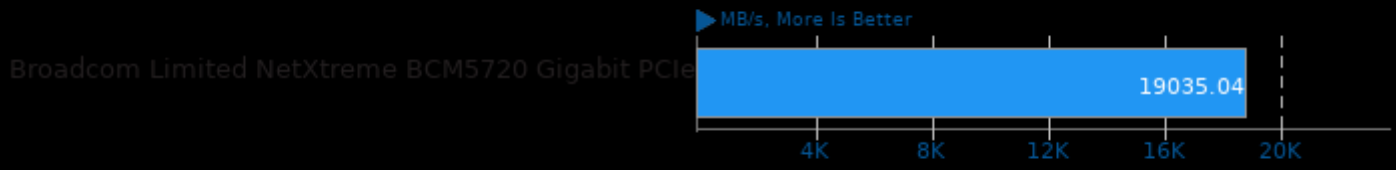
Type: Add - Benchmark: Integer



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

RAMspeed SMP 3.5.0

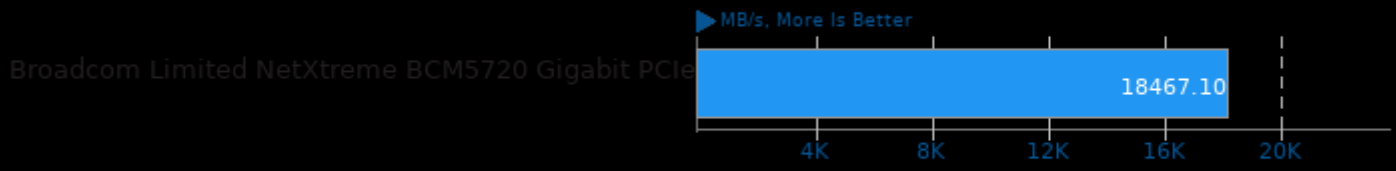
Type: Copy - Benchmark: Integer



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

RAMspeed SMP 3.5.0

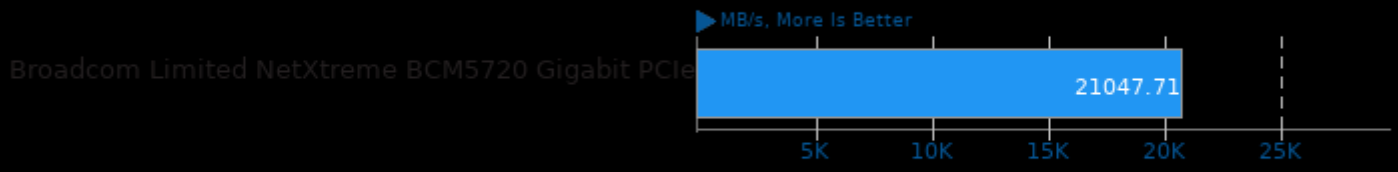
Type: Scale - Benchmark: Integer



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

RAMspeed SMP 3.5.0

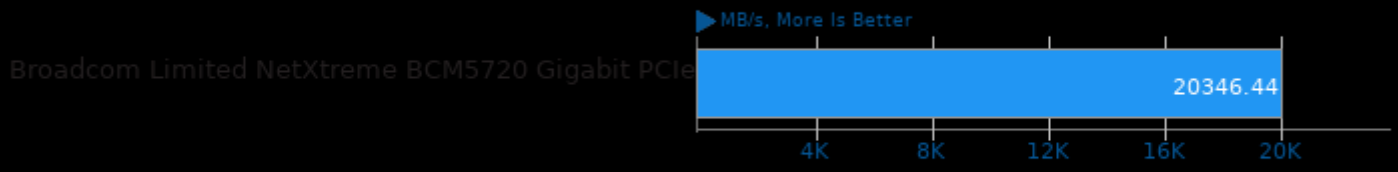
Type: Triad - Benchmark: Integer



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

RAMspeed SMP 3.5.0

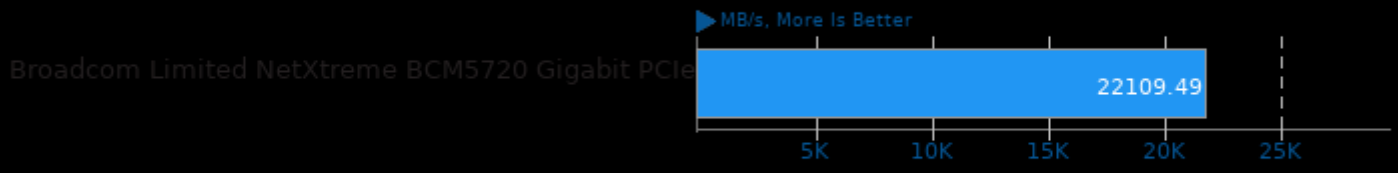
Type: Average - Benchmark: Integer



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

RAMspeed SMP 3.5.0

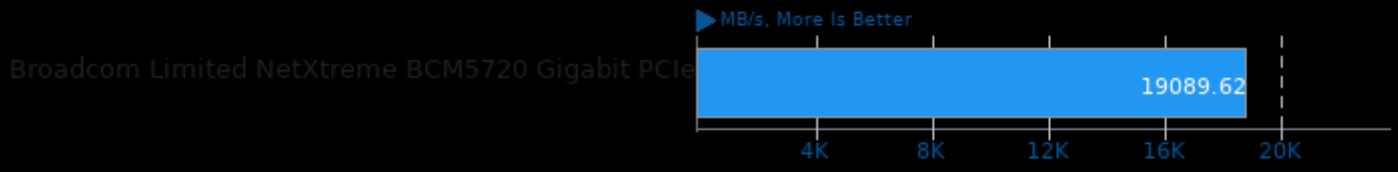
Type: Add - Benchmark: Floating Point



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

RAMspeed SMP 3.5.0

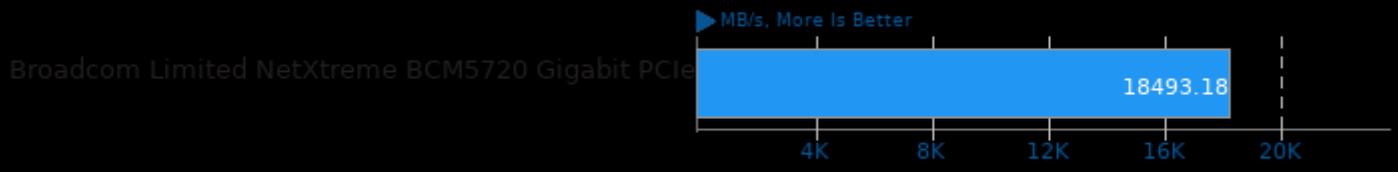
Type: Copy - Benchmark: Floating Point



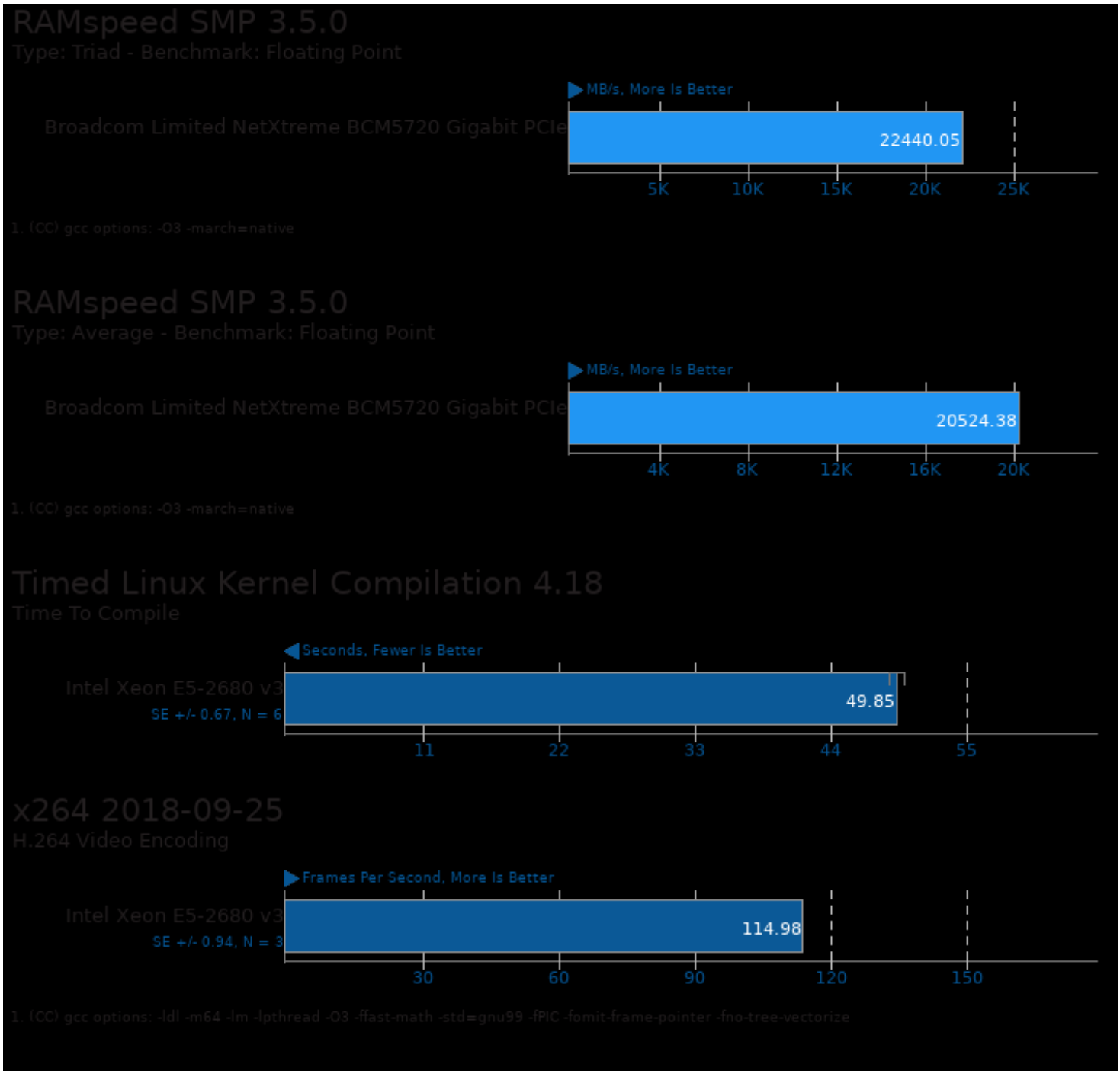
1. (CC) gcc options: -O3 -march=native

RAMspeed SMP 3.5.0

Type: Scale - Benchmark: Floating Point



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



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