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QUICKBENCH-V3

AMD Phenom 8650 Triple-Core testing with a ASRock N68-S UCC and AMD Radeon HD 4650 512MB on Ubuntu 13.04 via the Phoronix Test Suite.

Test Systems:

Phenom X3 8650

Processor: AMD Phenom 8650 Triple-Core @ 2.31GHz (3 Cores), Motherboard: ASRock N68-S UCC, Chipset: NVIDIA MCP61, Memory: 4096MB, Disk: 1000GB Western Digital WD1001FALS-0 + 1500GB SAMSUNG HD154UI + 120GB SanDisk SDSSDX12, Graphics: AMD Radeon HD 4650 512MB, Audio: VIA VT1705, Monitor: VX32L HDTV10A, Network: Ralink RT2800 802.11n PCI

OS: Ubuntu 13.04, Kernel: 3.8.0-23-generic (x86_64), Desktop: KDE 4.10.4, Display Server: X Server 1.13.4, Display Driver: radeon 7.1.99, OpenGL: 3.0 Mesa 9.2.0-devel Gallium 0.4, Compiler: GCC 4.7, File-System: ext4, Screen Resolution: 1920x1080

Compiler Notes: --build=x86_64-linux-gnu --disable-cloog-version-check --disable-ppl-version-check --disable-werror --enable-checking=release --enable-clocale=gnu --enable-cloog-backend=ppl --enable-gnu-unique-object --enable-languages=c,c++,go,fortran,objc,obj-c++ --enable-libstdcxx-debug --enable-libstdcxx-time=yes

--enable-multiarch --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-cloog --with-multilib-list=m32,m64,mx32 --with-tune=generic -v
Disk Notes: DEADLINE / data=ordered,discard,errors=remount-ro,relatime,rw
Graphics Notes: EXA
System Notes: Disk Scheduler: DEADLINE.

AMD Opteron 4176 HE

Processor: AMD Opteron 4176 HE @ 2.39GHz (8 Cores), Motherboard: Bochs, Chipset: Red Hat Virtio, Memory: 1 x 16384 MB RAM, Disk: 158GB, Graphics: Cirrus Logic GD 5446, Network: Realtek RTL-8139/8139C/8139C+

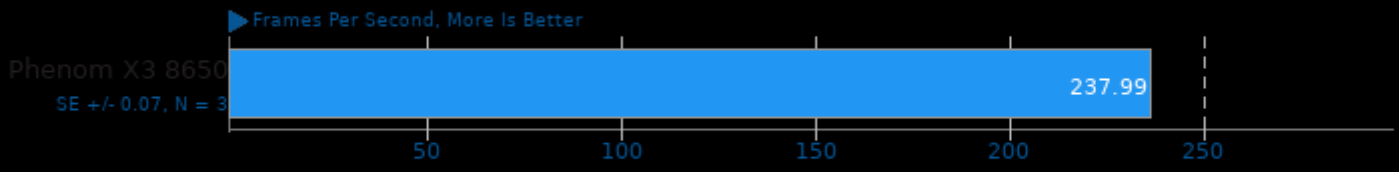
OS: Ubuntu 12.04, Kernel: 3.2.0-34-virtual (x86_64), Compiler: GCC 4.6, File-System: ext4

Compiler Notes: --build=x86_64-linux-gnu --disable-werror --enable-checking=release --enable-clocale=gnu --enable-gnu-unique-object --enable-languages=c,c++,fortran,objc,obj-c++ --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-nls --enable-objc-gc --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --target=x86_64-linux-gnu --with-arch-32=i686 --with-tune=generic -v
Disk Mount Options Notes: barrier=1,data=ordered,relatime,rw,user_xattr

	Phenom X3 8650	AMD Opteron 4176 HE
QGears2 - OpenGL - Gears (FPS)	237.99	
Standard Deviation	0.1%	
IOzone - 4Kb - 512MB - Read Performance (MB/s)	**2556**	**2496**
Normalized	100%	97.63%
Standard Deviation	0.8%	3.5%
IOzone - 4Kb - 512MB - Write Performance (MB/s)	**102.67**	**150.92**
Normalized	68.03%	100%
Standard Deviation	0.3%	5.1%
SciMark - Composite (Mflops)	**344.49**	**390.89**
Normalized	88.13%	100%
Standard Deviation	0.5%	0.6%
7-Zip Compression - C.S.T (MIPS)	**3400**	**11792**
Normalized	28.83%	100%
Standard Deviation	0.1%	0.8%

QGears2

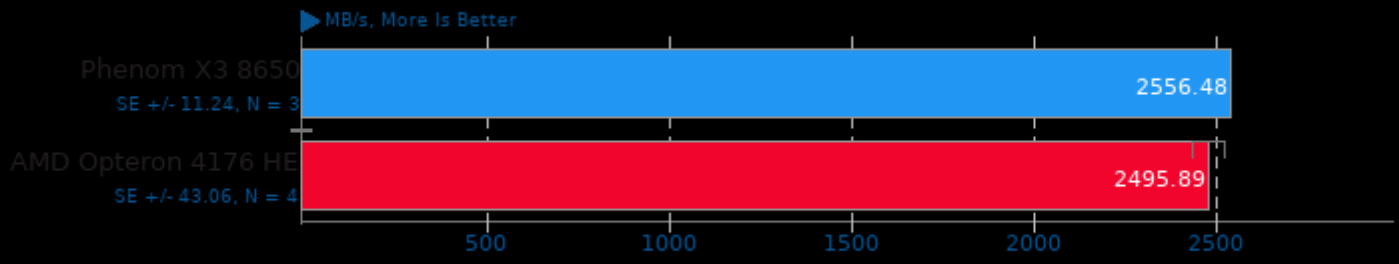
Rendering: OpenGL - Test: Gears



1. (CXX) g++ options: -m64 -lQtOpenGL -lQtGui -lQtCore -lGL -lpthread

IOzone 3.405

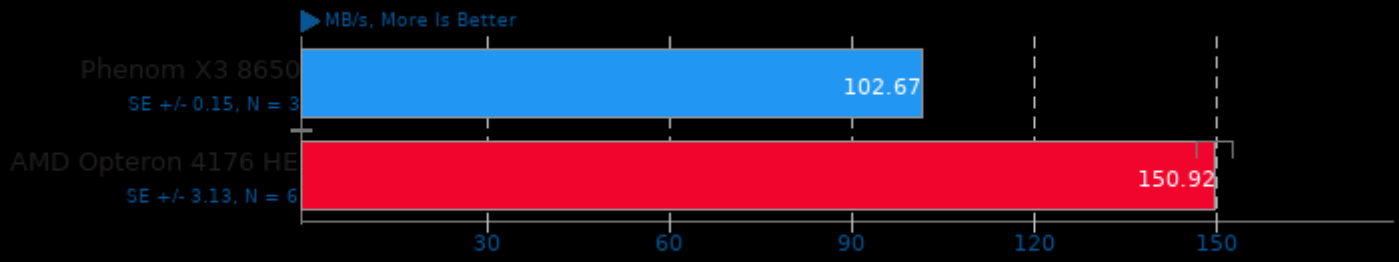
Record Size: 4Kb - File Size: 512MB - Disk Test: Read Performance



1. (CC) gcc options: -O3

IOzone 3.405

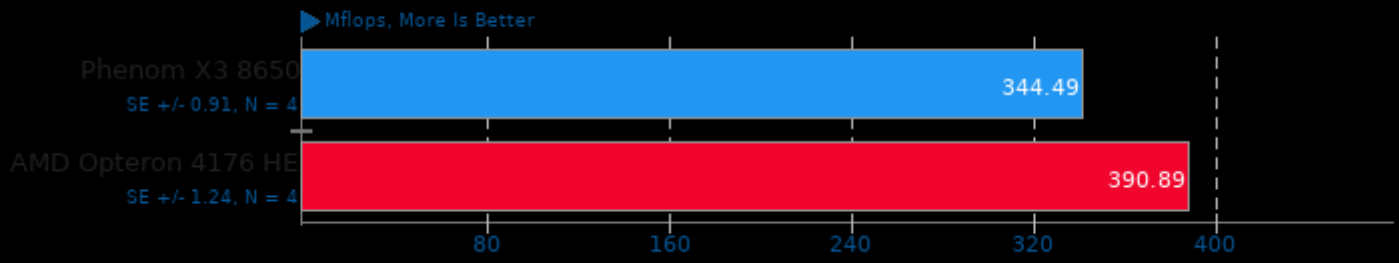
Record Size: 4Kb - File Size: 512MB - Disk Test: Write Performance

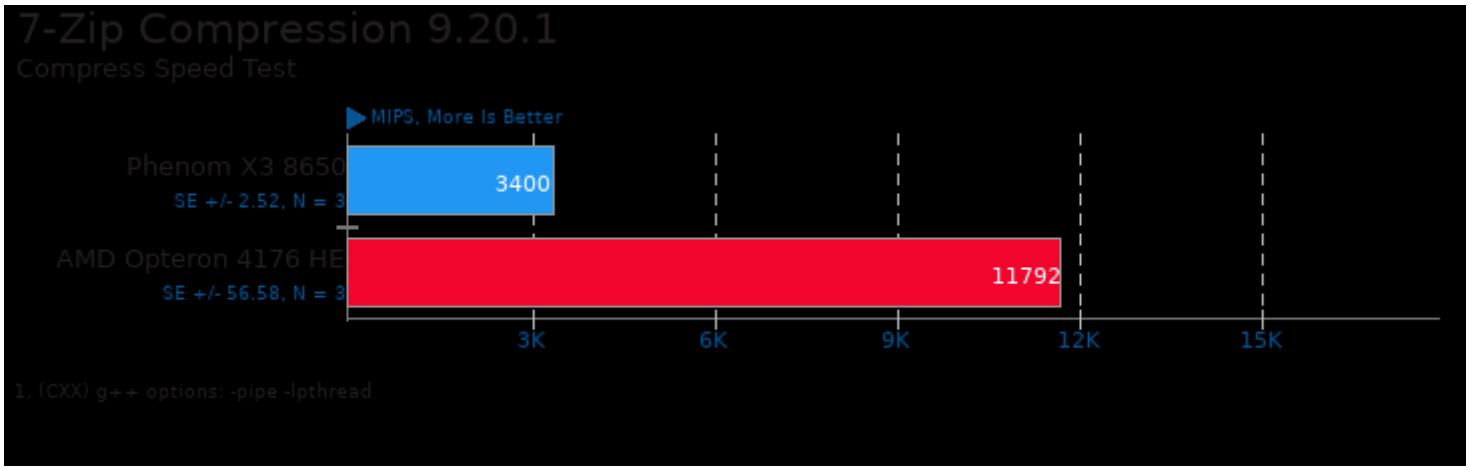


1. (CC) gcc options: -O3

SciMark 2.0

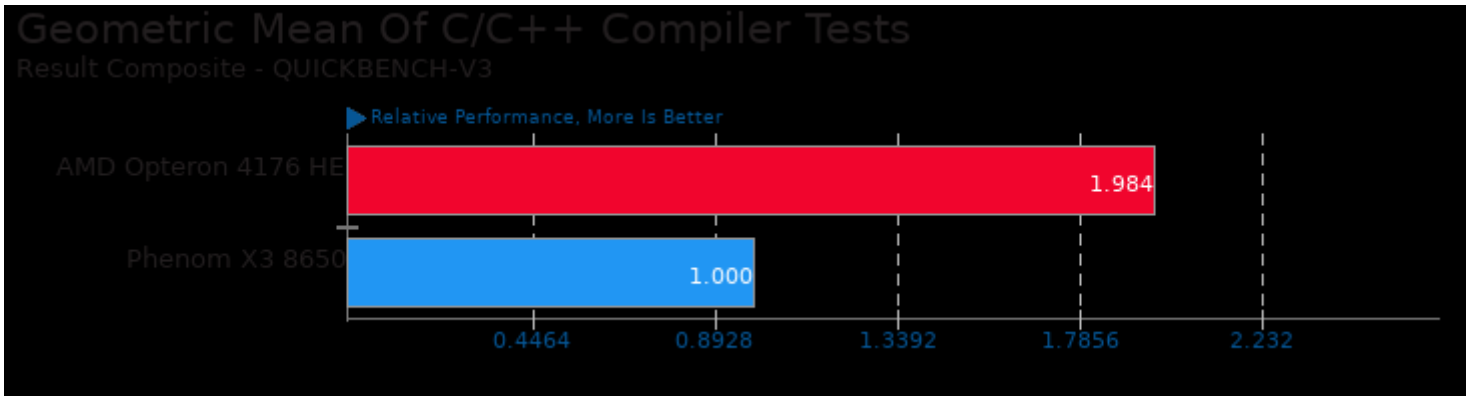
Computational Test: Composite




7-Zip Compression 9.20.1
Compress Speed Test
MIPS, More Is Better
Phenom X3 8650
SE +/- 2.52, N = 3
3400
AMD Opteron 4176 HE
SE +/- 56.58, N = 3
11792
3K
6K
9K
12K
15K
1. (CXX) g++ options: -pipe -lpthread

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These geometric means are based upon test groupings / test suites for this result file.



Geometric mean based upon tests: pts/scimark2 and pts/compress-7zip

This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 13:27.