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Loongson_compress_benchmark

Intel Core i5-7200U testing with a LENOVO 20HNCTO1WW and Intel HD 620 3072MB on Debian testing via the Phoronix Test Suite.

Test Systems:

Loongson3A3000 compress benchmark

Processor: Loongson-3A R3 @ 1.40GHz (4 Cores), Motherboard: Unknown, Chipset: AMD RS780 + SB7x0/SB8x0/SB9x0, Memory: 8192MB, Disk: 128GB PLEXTOR PX-128M6 + 320GB Western Digital WD3200BEVT-0, Graphics: radeondrmfb, Audio: Realtek ALC662 rev3, Network: Realtek RTL8111/8168/8411

OS: Debian testing, Kernel: 4.14.0+ (mips64), Display Driver: modesetting 1.19.5, Compiler: GCC 7.3.0 + Open64 PARSE ERROR: Argument:-dump Couldn t find match for argumentBrief USAGE: opencc [--noflush] [-i] [-o] [-c] [--] [--] [-h]For complete USAGE and HELP type: opencc--help, File-System: ext4, Screen Resolution: 1024x768

Compiler Notes: --build=mips64el-linux-gnuabi64 --disable-libitm --disable-libquadmath --disable-libquadmath-support --disable-libsanitizer --disable-werror --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,d,fortran,objc,obj-c++ --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-plugin --enable-shared

--enable-targets=all --enable-threads=posix --host=mips64el-linux-gnuabi64 --program-prefix=mips64el-linux-gnuabi64- --target=mips64el-linux-gnuabi64 --with-arch-32=mips32r2 --with-arch-64=mips64r2 --with-default-libstdcxx-abi=new --with-fp-32=xx --with-gcc-major-version-only --with-madd4=no --with-mips-plt -v
Processor Notes: Scaling Governor: loongson3 performance

X270_i5-7200U_compress_vs_loongson3a3000

Processor: Intel Core i5-7200U @ 3.10GHz (4 Cores), Motherboard: LENOVO 20HNCTO1WW, Chipset: Intel Xeon E3-1200 v6/7th, Memory: 8192MB, Disk: 1000GB Western Digital WD10SPZX-00Z + 128GB PLEXTOR PX-128M7, Graphics: Intel HD 620 3072MB (1000MHz), Audio: Realtek ALC298, Network: Intel Connection + Intel Wireless 8265 / 8275

OS: Debian testing, Kernel: 4.16.0-1-amd64 (x86_64), Desktop: GNOME Shell 3.28.2, Display Driver: modesetting 1.19.5, OpenGL: 4.5 Mesa 18.0.3, Compiler: GCC 7.3.0 + Open64 PARSE ERROR: Argument:-dump Couldn t find match for argumentBrief USAGE: opencc [--noflush] [-i] [-o] [-c] [--] [--] [-h]For complete USAGE and HELP type: opencc--help + Clang 4.0.1-10, File-System: ext4, Screen Resolution: 1920x1080

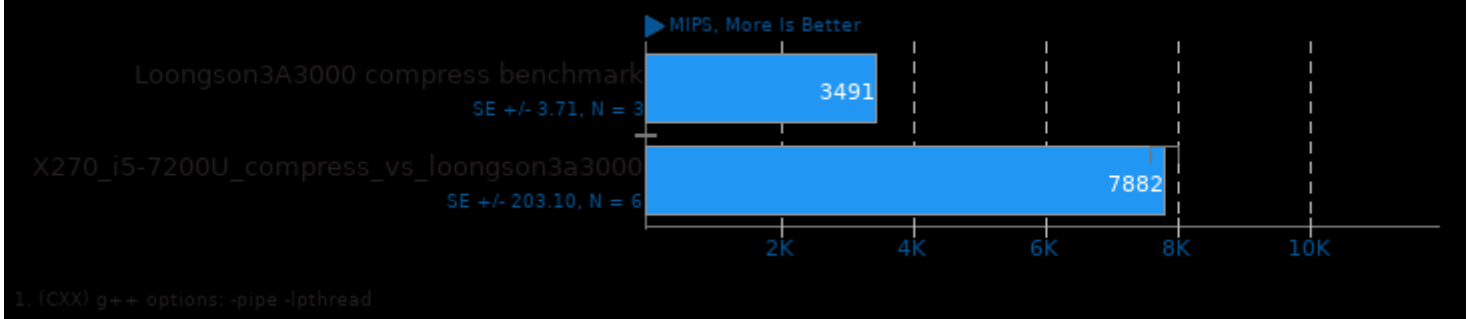
Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++ --enable-libmpx --enable-libstdcxx-debug --enable-libstdcxx-time=yes --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 performance

	Loongson3A3000 compress benchmark	X270_i5-7200U_compress_vs_loongson3a3000
7-Zip Compression - C.S.T (MIPS)	**3491**	**7882**
Normalized	44.29%	100%
Standard Deviation	0.2%	6.3%
Gzip Compression - L.S.T.A.T.t.g (sec)	**183.44**	**89.73**
Normalized	48.92%	100%
Standard Deviation	0.2%	57.6%
LZMA Compression - 2.F.C (sec)	**1107**	**424.84**
Normalized	38.38%	100%
Standard Deviation	0.4%	0.4%
Parallel BZIP2 Compression - 2.F.C (sec)	**51.22**	**28.76**
Normalized	56.15%	100%
Standard Deviation	7.3%	5.3%

Loongson_compress_benchmark

7-Zip Compression 16.02

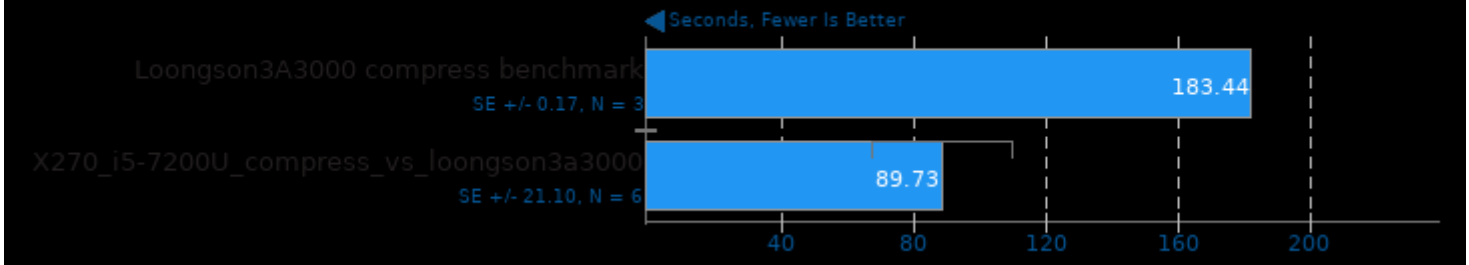
Compress Speed Test



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

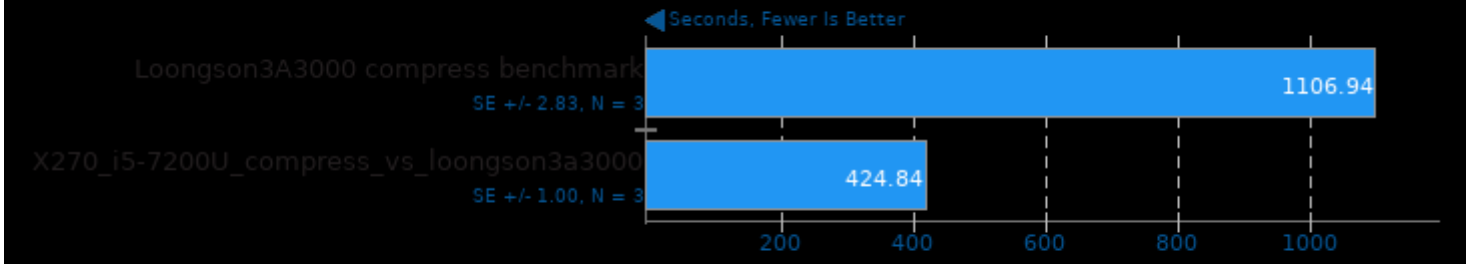
Gzip Compression

Linux Source Tree Archiving To .tar.gz



LZMA Compression

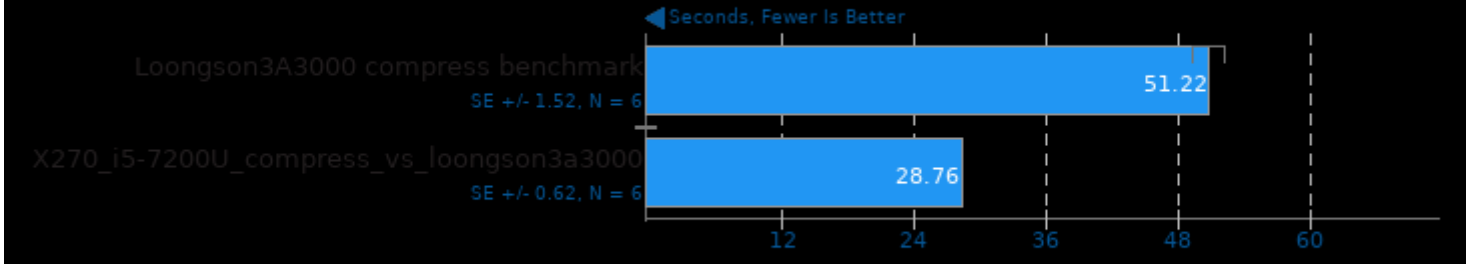
256MB File Compression



1. (CXX) g++ options: -O2

Parallel BZIP2 Compression 1.1.12

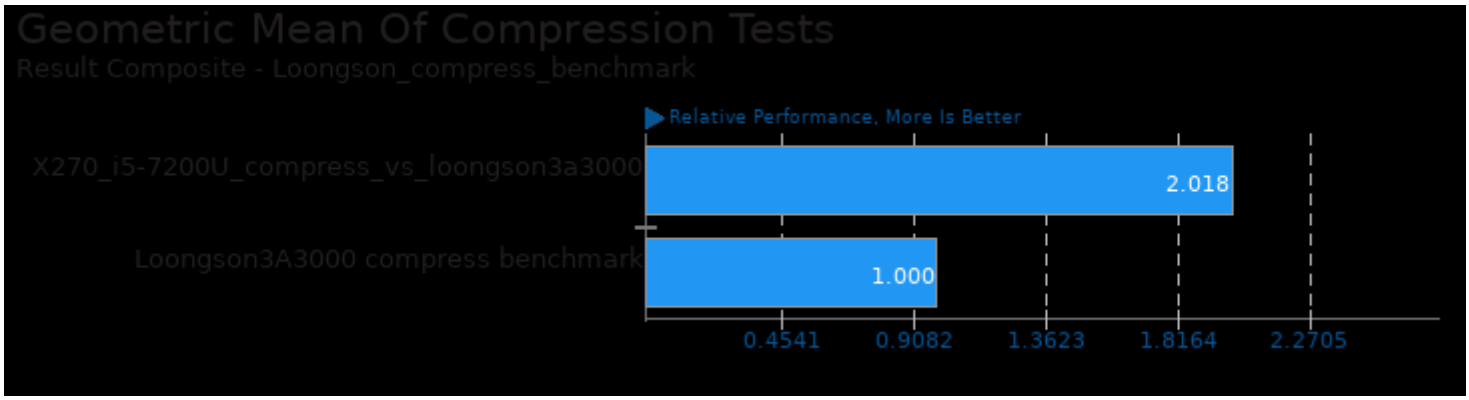
256MB File Compression



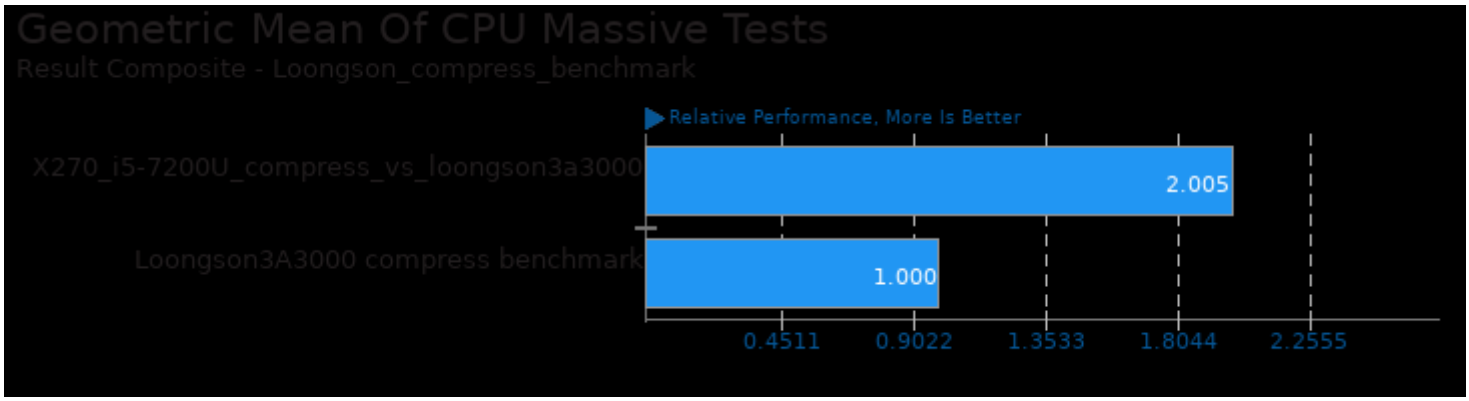
1. (CXX) g++ options: -O2 -pthread -lbz2 -lpthread

Loongson_compress_benchmark

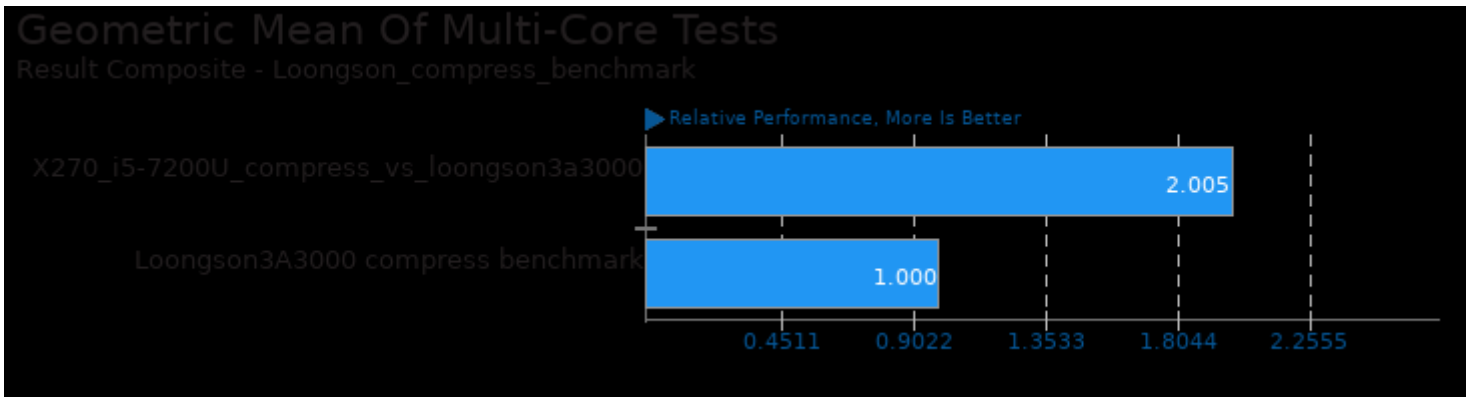
These geometric means are based upon test groupings / test suites for this result file.



Geometric mean based upon tests: pts/compress-7zip, pts/compress-gzip and pts/compress-pbzip2



Geometric mean based upon tests: pts/compress-7zip and pts/compress-pbzip2



Geometric mean based upon tests: pts/compress-7zip and pts/compress-pbzip2

This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 07:02.