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Compilation time

Intel Pentium Silver J5005 testing with a ASRock J5005-ITX (P1.00 BIOS) and Intel UHD 605 3GB on Ubuntu 18.10 via the Phoronix Test Suite.

Test Systems:

AMD Phenom II X4 960T

Processor: AMD Phenom II X4 960T @ 3.00GHz (4 Cores), Motherboard: ASUS M4A88T-M, Chipset: AMD RS880 + SB7x0/SB8x0/SB9x0, Memory: 16384MB, Disk: 500GB Seagate ST500DM002-1BD14, Graphics: NVIDIA GeForce GT 440 1024MB (810/800MHz), Audio: VIA VT1708S, Network: Realtek RTL8111/8168/8411

OS: Ubuntu 13.10, Kernel: 3.11.0-13-generic (x86_64), Desktop: Unity 7.1.2, Display Server: X Server 1.14.5, Display Driver: NVIDIA 319.60, OpenGL: 4.3.0, Compiler: GCC 4.8, File-System: ext4, Screen Resolution: 1920x1080

Compiler Notes: --build=x86_64-linux-gnu --disable-browser-plugin --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,c++,java,go,d,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-arch-directory=amd64 --with-ecj-jar=/usr/share/java/eclipse-ecj.jar --with-java-home=/usr/lib/jvm/java-1.5.0-gcj-4.8-amd64/jre --with-jvm-jar-dir=/usr/lib/jvm-exports/java-1.5.0-gcj-4.8-amd64 --with-jvm-root-dir=/usr/lib/jvm/java-1.5.0-gcj-4.8-amd64 --with-multilib-list=m32,m64,mx32

--with-tune=generic -v
Processor Notes: Scaling Governor: acpi- freq ondemand

Celeron J1900

Processor: Intel Celeron J1900 @ 1.99GHz (4 Cores), Motherboard: ASRock Q1900B-ITX, Chipset: Intel ValleyView SSA-CUnit, Memory: 16384MB, Disk: 120GB GOODRAM C50, Graphics: Intel ValleyView Gen7 (860MHz), Audio: Realtek ALC662 rev1, Network: Realtek RTL8111/8168/8411

OS: Ubuntu 14.04, Kernel: 3.13.0-24-generic (x86_64), Desktop: Unity 7.2.0, Display Server: X Server 1.15.1, Display Driver: intel 2.99.910, Compiler: GCC 4.8, File-System: ext4, Screen Resolution: 1920x1080

Compiler Notes: --build=x86_64-linux-gnu --disable-browser-plugin --disable-libmudflap --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,c++,java,go,d,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-arch-directory=amd64 --with-ecj-jar=/usr/share/java/eclipse-ecj.jar --with-java-home=/usr/lib/jvm/java-1.5.0-gcj-4.8-amd64/jre --with-jvm-jar-dir=/usr/lib/jvm-exports/java-1.5.0-gcj-4.8-amd64 --with-jvm-root-dir=/usr/lib/jvm/java-1.5.0-gcj-4.8-amd64 --with-multilib-list=m32,m64,mx32 --with-tune=generic -v
Processor Notes: Scaling Governor: acpi-cpufreq ondemand

G840

Processor: Intel Pentium G840 @ 2.80GHz (2 Cores), Motherboard: Gigabyte Tecohnology H61MA-D3V, Chipset: Intel 2nd Generation Core Family DRAM, Memory: 7168MB, Disk: 120GB GOODRAM C50, Graphics: Intel HD 2000 (1100MHz), Audio: Realtek ALC887-VD, Network: Realtek RTL8111/8168/8411

OS: Ubuntu 14.04, Kernel: 3.13.0-24-generic (x86_64), Desktop: Xfce 4.10, Display Server: X Server 1.15.1, Display Driver: intel 2.99.910, OpenGL: 3.1 Mesa 10.1.0, Compiler: GCC 4.8, File-System: ext4, Screen Resolution: 1920x1080

Compiler Notes: --build=x86_64-linux-gnu --disable-browser-plugin --disable-libmudflap --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,c++,java,go,d,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-arch-directory=amd64 --with-ecj-jar=/usr/share/java/eclipse-ecj.jar --with-java-home=/usr/lib/jvm/java-1.5.0-gcj-4.8-amd64/jre --with-jvm-jar-dir=/usr/lib/jvm-exports/java-1.5.0-gcj-4.8-amd64 --with-jvm-root-dir=/usr/lib/jvm/java-1.5.0-gcj-4.8-amd64 --with-multilib-list=m32,m64,mx32 --with-tune=generic -v
Processor Notes: Scaling Governor: acpi-cpufreq ondemand

Pentium J5005

Processor: Intel Pentium Silver J5005 @ 2.80GHz (4 Cores), Motherboard: ASRock J5005-ITX (P1.00 BIOS), Chipset: Intel Device 31f0, Memory: 8192MB, Disk: 250GB Crucial_CT250MX2, Graphics: Intel UHD 605 3GB (800MHz), Audio: Realtek ALC892, Monitor: IPS224, Network: Realtek RTL8111/8168/8411

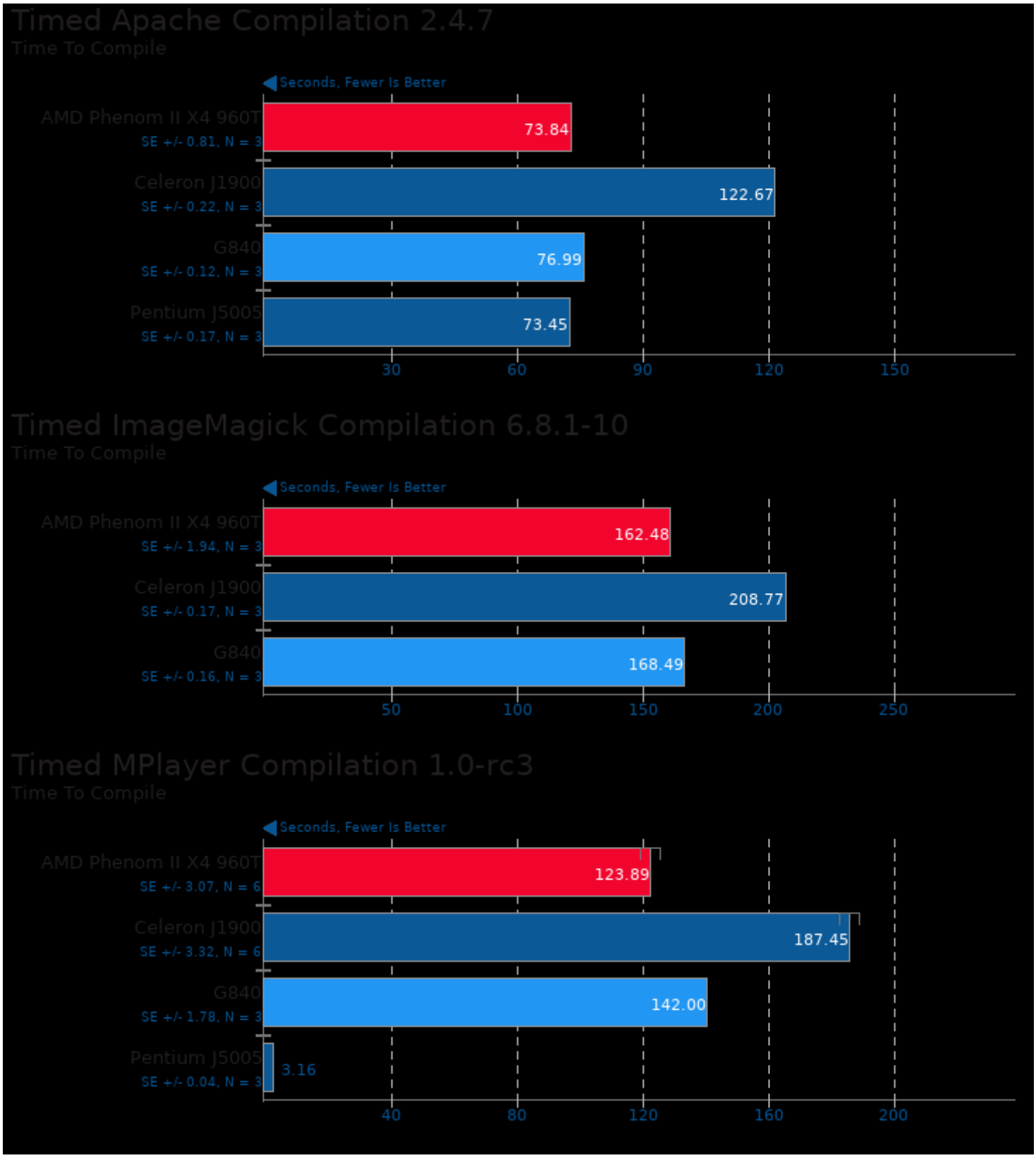
OS: Ubuntu 18.10, Kernel: 4.18.0-12-generic (x86_64), Desktop: Xfce 4.12, Display Server: X Server 1.20.1, Display Driver: modesetting 1.20.1, OpenGL: 4.5 Mesa 18.2.2, Compiler: GCC 8.2.0, File-System: ext4, Screen Resolution: 1920x1080

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 performance
Security Notes: KPTI + __user pointer sanitization + Enhanced IBRS IBPB + SSB disabled via prctl and seccomp

Compilation time

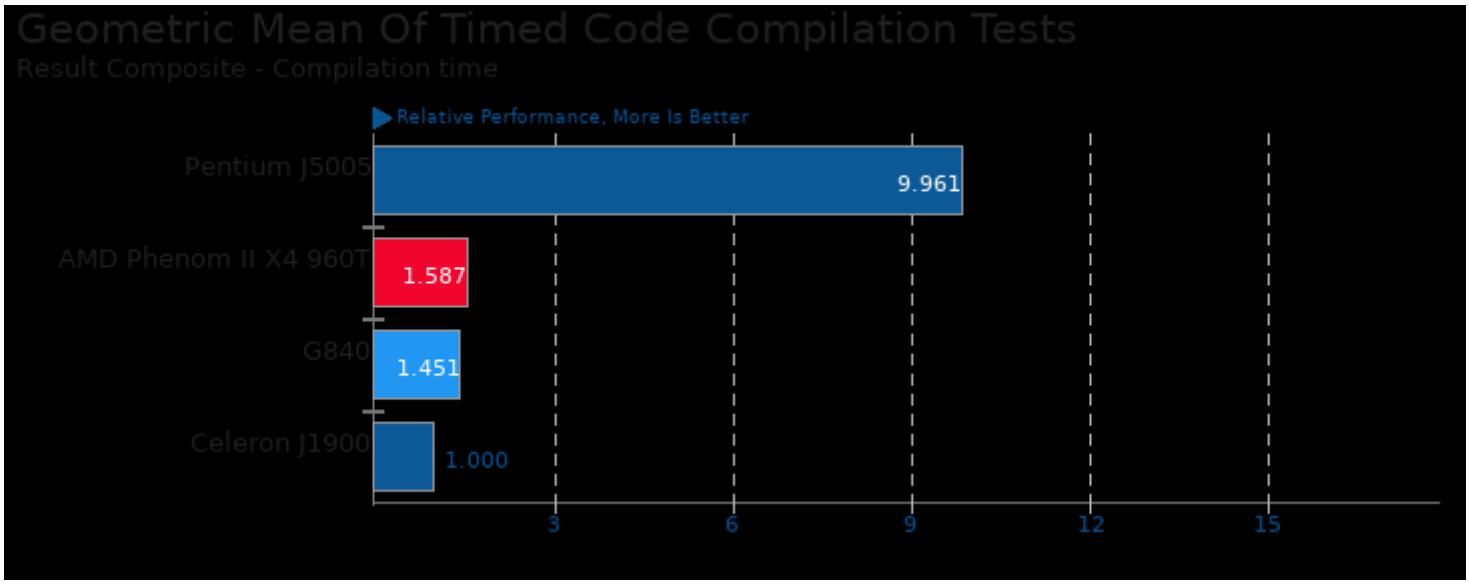
	AMD Phenom II X4 960T	Celeron J1900	G840	Pentium J5005
Timed Apache Compilation - Time To Compile (sec)	73.84	**122.67**	76.99	**73.45**
Normalized	99.47%	59.88%	95.4%	100%
Standard Deviation	1.9%	0.3%	0.3%	0.4%
Timed ImageMagick Compilation - Time To Compile (sec)	**162.48**	**208.77**	168.49	
Normalized	100%	77.83%	96.43%	
Standard Deviation	2.1%	0.1%	0.2%	
Timed MPlayer Compilation - Time To Compile (sec)	123.89	**187.45**	142.00	**3.16**
Normalized	2.55%	1.69%	2.23%	100%
Standard Deviation	6.1%	4.3%	2.2%	2.2%

Compilation time

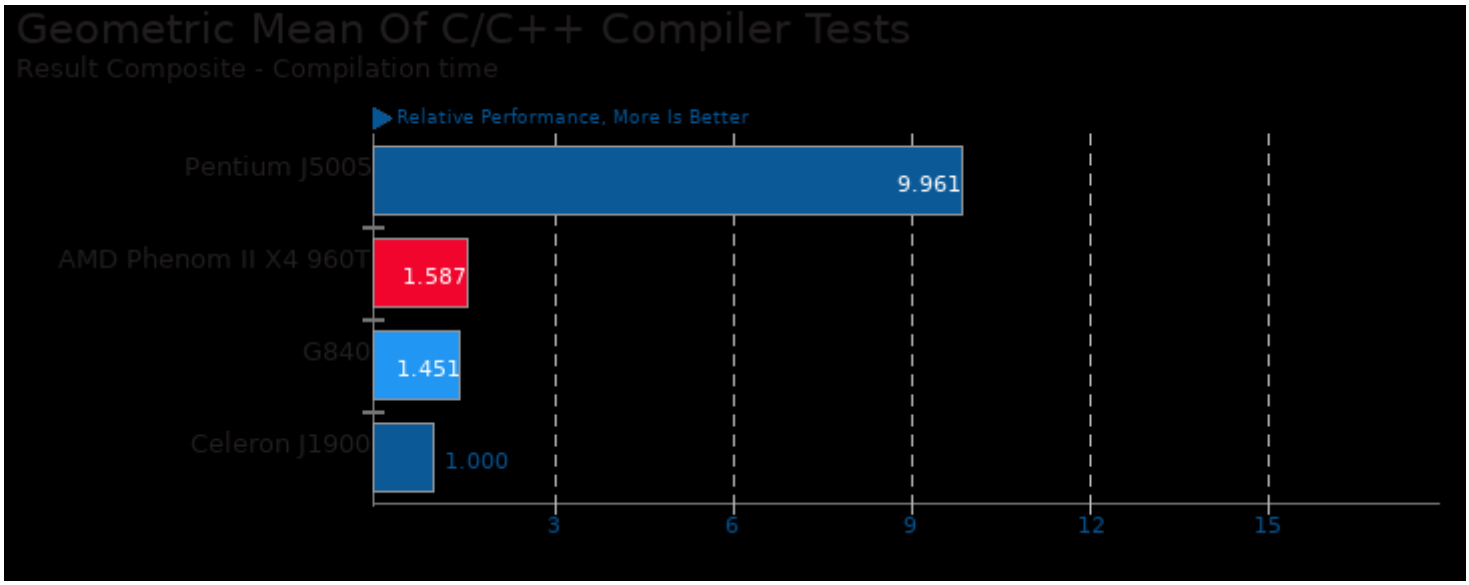


Compilation time

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

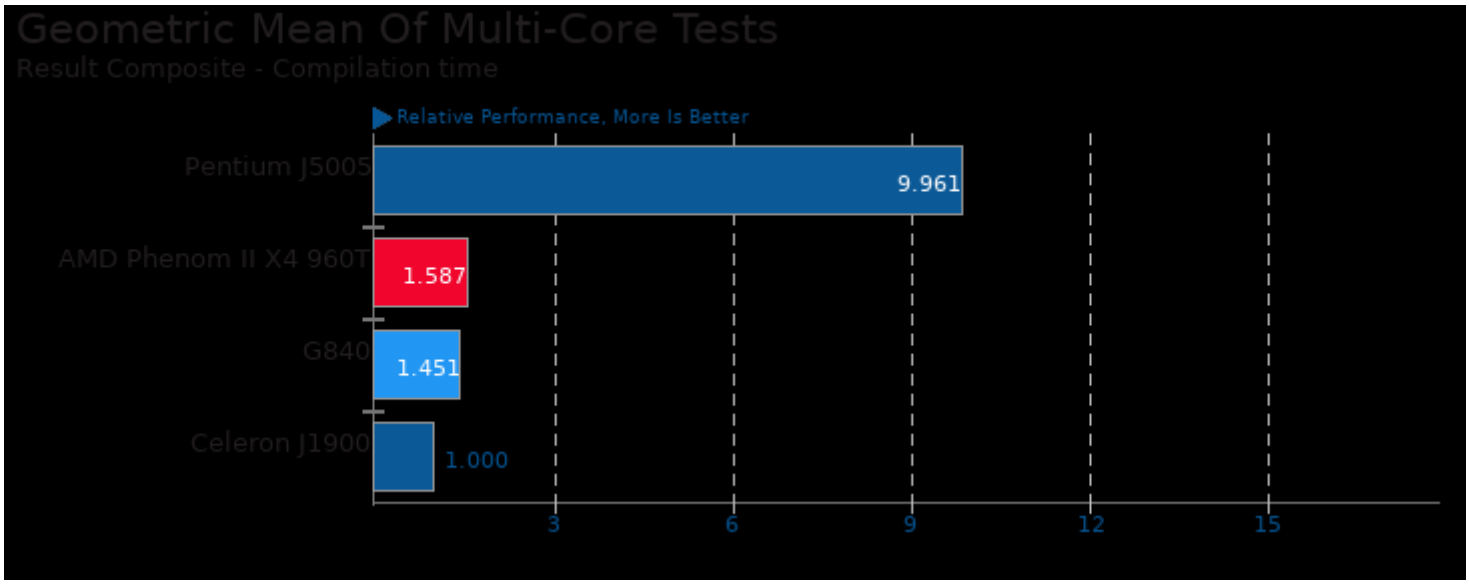


Geometric mean based upon tests: pts/build-apache, pts/build-imagemagick and pts/build-mplayer

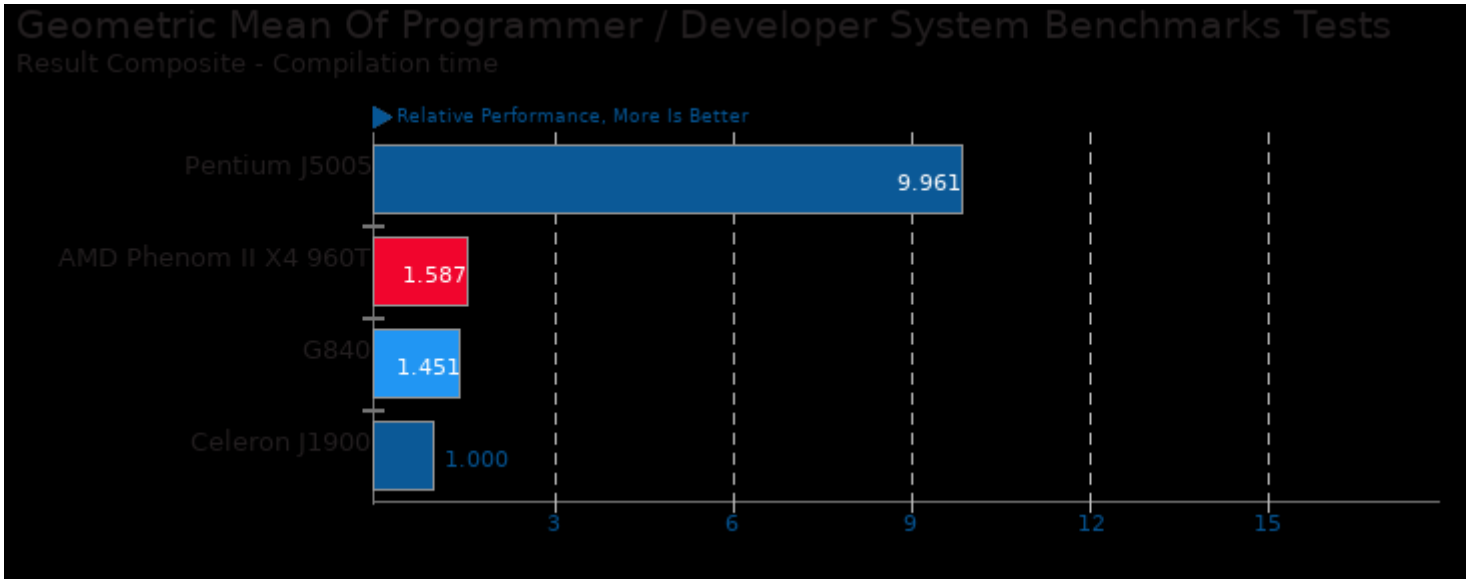


Geometric mean based upon tests: pts/build-imagemagick, pts/build-apache and pts/build-mplayer

Compilation time



Geometric mean based upon tests: pts/build-apache, pts/build-imagemagick and pts/build-mplayer



Geometric mean based upon tests: pts/build-apache, pts/build-imagemagick and pts/build-mplayer

This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 14:06.