

www.phoronix-test-suite.com

Pentium Skylake Compared To Many Other Linux Systems

i7-6700K vs old Core2Quad Q9300

Test Systems:

A10-5800K

Processor: AMD A10-5800K APU @ 3.80GHz (4 Cores), Motherboard: Gigabyte F2A68HM-H, Chipset: AMD Family 15h, Memory: 1 x 8192 MB DDR3-1866MHz, Disk: 240GB OCZ ARC100, Graphics: ASUS AMD Radeon HD 7850 1024MB (300/150MHz), Audio: Realtek ALC887-VD, Network: Realtek RTL8111/8168/8411

OS: Ubuntu 15.04, Kernel: 4.3.0-999-generic (x86_64) 20151104, Desktop: Unity 7.3.2, Display Server: X Server 1.17.1, Display Driver: radeon 7.6.99, Compiler: GCC 4.9.2, File-System: ext4, Screen Resolution: 1024x768

Compiler Notes: --build=x86_64-linux-gnu --disable-browser-plugin --disable-vtable-verify --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-multilib --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-multilib-list=m32,m64,mx32 --with-tune=generic -v
Processor Notes: Scaling Governor: acpi-cpufreq ondemand

A10-7850K

Processor: AMD A10-7850K APU with Radeon R7 @ 3.70GHz (4 Cores), Motherboard: Gigabyte F2A88XM-D3H, Chipset: AMD Family 15h, Memory: 2 x 4096 MB DDR3-1333MHz, Disk: 120GB KINGSTON SV300S3, Graphics: AMD Radeon R7 1024MB (351MHz), Audio: AMD Kaveri HDMI/DP, Network: Realtek RTL8111/8168/8411

OS: Ubuntu 15.10, Kernel: 4.3.0-999-generic (x86_64) 20151104, Desktop: Unity, Display Server: X Server 1.17.2, Display Driver: radeon 7.5.99, OpenGL: 3.3 Mesa 11.0.2 Gallium 0.4, Compiler: GCC 5.2.1 20151010, File-System: ext4, Screen Resolution: 1920x1080

Compiler Notes: --build=x86_64-linux-gnu --disable-browser-plugin --disable-vtable-verify --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,ada,c++,java,go,d,fortran,objc,obj-c++ --enable-libmpx --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --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-default-libstdcxx-abi=new --with-multilib-list=m32,m64,mx32 --with-tune=generic -v
Processor Notes: Scaling Governor: acpi-cpufreq ondemand

A10-7870K

Processor: AMD A10-7870K Radeon R7 12 Compute Cores 4C+8G @ 3.90GHz (4 Cores), Motherboard: ASUS A88XM-E, Chipset: AMD Family 15h, Memory: 2 x 8192 MB DDR3-1333MHz, Disk: 250GB Samsung SSD 850, Graphics: ASUS AMD Radeon R7 1024MB (355MHz), Audio: AMD Kaveri HDMI/DP, Network: Realtek RTL8111/8168/8411

OS: Fedora 22, Kernel: 4.4.0-0.rc0.git6.2.fc24.x86_64 (x86_64) 20151110, Desktop: GNOME Shell 3.16.4, Display Server: X Server 1.17.4, Display Driver: radeon 7.5.0, OpenGL: 3.3 Mesa 10.6.9 (git-8957b69) Gallium 0.4, Compiler: GCC 5.1.1 20150618, File-System: ext4, Screen Resolution: 1920x1080

Compiler Notes: --build=x86_64-redhat-linux --disable-libgcj --disable-libunwind-exceptions --enable-__cxa_atexit --enable-bootstrap --enable-checking=release --enable-gnu-indirect-function --enable-gnu-unique-object --enable-initfini-array --enable-languages=c,c++,objc,obj-c++,fortran,ada,go,lto --enable-libmpx --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-arch_32=i686 --with-default-libstdcxx-abi=c++98 --with-isl --with-linker-hash-style=gnu --with-tune=generic
Processor Notes: Scaling Governor: acpi-cpufreq ondemand
System Notes: SELinux: Enabled.

A6-7400K

Processor: AMD A6-7400K Radeon R5 6 Compute Cores 2C+4G @ 3.50GHz (2 Cores), Motherboard: ASRock FM2A58M-VG3+ R2.0, Chipset: AMD Family 15h, Memory: 2 x 4096 MB DDR3-2132MHz Kingston, Disk: 120GB OCZ VECTOR150, Graphics: AMD Radeon R5 1024MB (351MHz), Audio: AMD FCH Azalia, Network: Realtek RTL8111/8168/8411

OS: Ubuntu 15.04, Kernel: 3.19.0-15-generic (x86_64), Compiler: GCC 6.0.0 20150723, File-System: ext4, Screen Resolution: 1024x768

Compiler Notes: --disable-multilib --enable-checking=release --enable-languages=c,c++,fortran
Processor Notes: Scaling Governor: acpi-cpufreq ondemand

A8-3870

Processor: AMD A8-3870 APU @ 3.00GHz (4 Cores), Motherboard: Gigabyte GA-A75M-UD2H, Chipset: AMD Family 12h Root Complex, Memory: 2 x 2048 MB 1333MHz, Disk: 120GB INTEL SSDSC2BW12, Graphics: Gigabyte AMD Radeon HD 6550D 512MB (282MHz), Audio: AMD BeaverCreek HDMI Audio, Network: Realtek RTL8111/8168/8411

OS: Ubuntu 15.04, Kernel: 4.3.0-999-generic (x86_64) 20151104, Desktop: Unity 7.3.2, Display Server: X Server 1.17.1, Display Driver: radeon 7.5.0, Compiler: GCC 4.9.2, File-System: ext4, Screen Resolution: 1024x768

Compiler Notes: --build=x86_64-linux-gnu --disable-browser-plugin --disable-vtable-verify --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-multilib --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-multilib-list=m32,m64,mx32 --with-tune=generic -v
Processor Notes: Scaling Governor: acpi-cpufreq ondemand
System Notes: Disk Scheduler: DEADLINE.

Athlon 5150

Processor: AMD Athlon 5150 APU with Radeon R3 @ 1.60GHz (4 Cores), Motherboard: Gigabyte AM1M-S2H, Chipset: AMD Family 16h Root Complex, Memory: 1 x 4096 MB DDR3-1600MHz, Disk: 250GB Seagate ST3250310AS, Graphics: Gigabyte AMD Radeon HD 8400 / R3 512MB (267MHz), Audio: AMD Kabini HDMI/DP, Network: Realtek RTL8111/8168/8411

OS: Ubuntu 15.04, Kernel: 3.19.0-18-generic (x86_64), Compiler: GCC 6.0.0 20150723, File-System: btrfs, Screen Resolution: 1024x768

Compiler Notes: --disable-multilib --enable-checking=release --enable-languages=c,c++,fortran
Processor Notes: Scaling Governor: acpi-cpufreq ondemand

Athlon II X3 425

Processor: AMD Athlon II X3 425 @ 2.70GHz (3 Cores), Motherboard: ASRock 890FX Deluxe3, Chipset: AMD RD890 PCI-e GFX Hydra part, Memory: 2 x 2048 MB 667MHz Corsair CMX4GX3M2A1600C9, Disk: 150GB Western Digital WD1500HLHX-0, Graphics: Sapphire AMD Radeon HD 4650 512MB (165/250MHz), Audio: VIA VT2020, Network: Realtek RTL8111/8168/8411

OS: Ubuntu 15.04, Kernel: 4.3.0-999-generic (x86_64) 20151104, Compiler: GCC 4.9.2, File-System: btrfs, Screen Resolution: 1024x768

Compiler Notes: --build=x86_64-linux-gnu --disable-browser-plugin --disable-vtable-verify --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-multilib --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-multilib-list=m32,m64,mx32 --with-tune=generic -v
Processor Notes: Scaling Governor: acpi-cpufreq ondemand
System Notes: Disk Scheduler: DEADLINE.

Core 870

Processor: Intel Core 870 @ 2.93GHz (8 Cores), Motherboard: ECS P55H-A v1.0, Chipset: Intel Core DMI, Memory: 2 x 4096 MB SDRAM, Disk: 500GB Western Digital WD5000AADS-0, Graphics: Sapphire AMD Radeon R7 260X 2048MB (300MHz), Audio: Realtek ALC1200, Network: Realtek RTL8111/8168/8411

OS: Ubuntu 14.10, Kernel: 4.3.0-999-generic (x86_64) 20150930, Desktop: Xfce 4.10, Display Server: X Server 1.16.0, Display Driver: radeon 7.5.99, OpenGL: 3.3 Mesa 10.7.0-devel (git-ff0a41b 2015-07-04 utopic-oibaf-ppa) Gallium 0.4, Compiler: GCC 4.9.1, File-System: ext4, Screen Resolution: 1920x1080

Compiler Notes: --build=x86_64-linux-gnu --disable-browser-plugin --disable-vtable-verify --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-multilib --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-multilib-list=m32,m64,mx32 --with-tune=generic -v
Processor Notes: Scaling Governor: acpi-cpufreq ondemand

Core i3 2120

Processor: Intel Core i3-2120 @ 3.30GHz (4 Cores), Motherboard: BIOSTAR B75MU3B v5.0, Chipset: Intel 2nd

Generation Core Family DRAM, Memory: 1 x 4096 MB DDR3-1333MHz, Disk: 2000GB Seagate ST2000DM001-1E61, Graphics: Intel HD 2000 (1100MHz), Audio: Realtek ALC662 rev1, Network: Realtek RTL8111/8168/8411

OS: Ubuntu 15.10, Kernel: 4.3.0-999-generic (x86_64) 20151104, Desktop: Unity, Display Server: X Server 1.17.2, Display Driver: intel 2.99.917, OpenGL: 3.3 Mesa 11.0.2, Compiler: GCC 5.2.1 20151010, File-System: ext4, Screen Resolution: 1024x768

Compiler Notes: --build=x86_64-linux-gnu --disable-browser-plugin --disable-vtable-verify --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,ada,c++,java,go,d,fortran,objc,obj-c++ --enable-libmpx --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --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-default-libstdcxx-abi=new --with-multilib-list=m32,m64,mx32 --with-tune=generic -v
Processor Notes: Scaling Governor: intel_pstate powersave
System Notes: Disk Scheduler: DEADLINE.

Core i3 3217U

Processor: Intel Core i3-3217U @ 1.80GHz (4 Cores), Motherboard: ASUS K56CA v1.0, Chipset: Intel 3rd Gen Core DRAM, Memory: 1 x 4096 MB DDR3-1600MHz, Disk: 500GB Hitachi HTS54505 + 24GB SanDisk SSD i100, Graphics: Intel Gen7 Mobile (1050MHz), Audio: Intel 7 /C210, Network: Realtek RTL8111/8168/8411 + Qualcomm Atheros AR9485 Wireless

OS: Ubuntu 15.04, Kernel: 3.19.0-14-generic (x86_64), Compiler: GCC 6.0.0 20150723, File-System: btrfs, Screen Resolution: 1366x768

Compiler Notes: --disable-multilib --enable-checking=release --enable-languages=c,c++,fortran
Processor Notes: Scaling Governor: intel_pstate powersave
System Notes: Disk Scheduler: DEADLINE.

Core i3 5010U

Processor: Intel Core i3-5010U @ 2.10GHz (4 Cores), Motherboard: Intel NUC5i3RYB, Chipset: Intel Broadwell-U-OPI, Memory: 8192MB, Disk: 256GB TS256GSSD370, Graphics: Intel Broadwell-U (900MHz), Audio: Intel Broadwell-U Audio, Network: Intel Connection + Intel Wireless 7265

OS: Ubuntu 15.04, Kernel: 4.1.0-999-generic (x86_64) 20150529, Desktop: Unity 7.3.2, Display Server: X Server 1.17.1, Display Driver: intel 2.99.917, Compiler: GCC 6.0.0 20150723, File-System: ext4, Screen Resolution: 1024x768

Compiler Notes: --disable-multilib --enable-checking=release --enable-languages=c,c++,fortran
Processor Notes: Scaling Governor: intel_pstate powersave
System Notes: Disk Scheduler: DEADLINE.

Core i3 530

Processor: Intel Core i3 530 @ 2.93GHz (4 Cores), Motherboard: ECS H57H-M v1.0, Chipset: Intel Core DRAM, Memory: 2 x 2048 MB SDRAM, Disk: 32GB VERTEX, Graphics: AMD Radeon HD 5750 1024MB (157/300MHz), Audio: Realtek ALC892, Network: Realtek RTL8111/8168/8411

OS: Ubuntu 14.10, Kernel: 4.3.0-999-generic (x86_64) 20151104, Desktop: Xfce 4.10, Display Server: X Server 1.16.0, Display Driver: radeon 7.5.99, OpenGL: 3.3 Mesa 10.7.0-devel (git-2ca1f76 2015-07-23 utopic-oibaf-ppa) Gallium 0.4, Compiler: GCC 4.9.1, File-System: ext4, Screen Resolution: 1920x1080

Compiler Notes: --build=x86_64-linux-gnu --disable-browser-plugin --disable-vtable-verify --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-multilib --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-multilib-list=m32,m64,mx32 --with-tune=generic -v

Processor Notes: Scaling Governor: acpi-cpufreq ondemand

Core i5 2400S

Processor: Intel Core i5-2400S @ 3.30GHz (4 Cores), Motherboard: ASRock Z68 Pro3, Chipset: Intel 2nd Generation Core Family DRAM, Memory: 2 x 2048 MB DDR3-1600MHz, Disk: 250GB SAMSUNG HD253GJ, Graphics: Intel Gen6 (1100MHz), Audio: Intel 6 /C200, Network: Realtek RTL8111/8168/8411

OS: Ubuntu 15.04, Kernel: 3.19.0-15-generic (x86_64), Compiler: GCC 6.0.0 20150723, File-System: xfs, Screen Resolution: 1024x768

Compiler Notes: --disable-multilib --enable-checking=release --enable-languages=c,c++,fortran
Processor Notes: Scaling Governor: intel_pstate powersave

Core i5 2500K

Processor: Intel Core i5-2500K @ 3.70GHz (4 Cores), Motherboard: SAPPHIRE Pure Black P67 Hydra, Chipset: Intel 2nd Generation Core Family DRAM, Memory: 2 x 2048 MB DDR3-1333MHz, Disk: 120GB INTEL SSDSC2BW12, Graphics: ASUS AMD Radeon HD 4890 1024MB (900/975MHz), Audio: Realtek ALC892, Network: Marvell 88E8057 PCI-E Gigabit

OS: Ubuntu 15.10, Kernel: 4.3.0-999-generic (x86_64) 20151104, Desktop: Unity, Display Server: X Server 1.17.2, Display Driver: radeon 7.5.99, OpenGL: 3.3 Mesa 11.0.2 Gallium 0.4, Compiler: GCC 5.2.1 20151010, File-System: btrfs, Screen Resolution: 1920x1080

Compiler Notes: --build=x86_64-linux-gnu --disable-browser-plugin --disable-vtable-verify --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,ada,c++,java,go,d,fortran,objc,obj-c++ --enable-libmpx --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --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-default-libstdcxx-abi=new --with-multilib-list=m32,m64,mx32 --with-tune=generic -v
Processor Notes: Scaling Governor: intel_pstate powersave
System Notes: Disk Scheduler: DEADLINE.

Core i5 2520M

Processor: Intel Core i5-2520M @ 3.20GHz (4 Cores), Motherboard: HP 161C, Chipset: Intel 2nd Generation Core Family DRAM, Memory: 1 x 4096 MB DDR3-1333MHz, Disk: 160GB INTEL SSDSA2M160, Graphics: Intel HD 3000 (1300MHz), Audio: IDT 92HD81B1X5, Network: Intel 82579LM Gigabit Connection + Intel Centrino Advanced-N 6205

OS: Ubuntu 15.04, Kernel: 4.3.0-999-generic (x86_64) 20151104, Desktop: Unity 7.3.2, Display Server: X Server 1.17.1, Display Driver: intel 2.99.917, Compiler: GCC 4.9.2, File-System: ext4, Screen Resolution: 1600x900

Compiler Notes: --build=x86_64-linux-gnu --disable-browser-plugin --disable-vtable-verify --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-multilib --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-multilib-list=m32,m64,mx32 --with-tune=generic -v
Processor Notes: Scaling Governor: intel_pstate powersave

Core i5 4670

Processor: Intel Core i5-4670 @ 3.80GHz (4 Cores), Motherboard: MSI B85M-P33 (MS-7817) v1.0, Chipset: Intel 4th Gen Core DRAM, Memory: 2 x 4096 MB DDR3-1600MHz CMY8GX3M2B2133C9, Disk: 63GB SanDisk SDSSDP06, Graphics: Intel HD 4600 (1200MHz), Audio: Intel Xeon E3-1200 v3/4th, Network: Realtek RTL8111/8168/8411

OS: Ubuntu 15.10, Kernel: 4.3.0-999-generic (x86_64) 20151104, Desktop: Unity, Display Server: X Server 1.17.2, Display Driver: intel 2.99.917, OpenGL: 3.3 Mesa 11.0.2, Compiler: GCC 5.2.1 20151010, File-System: ext4, Screen

Resolution: 1024x768

Compiler Notes: --build=x86_64-linux-gnu --disable-browser-plugin --disable-vtable-verify --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,ada,c++,java,go,d,fortran,objc,obj-c++ --enable-libmpx --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --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-default-libstdcxx-abi=new --with-multilib-list=m32,m64,mx32 --with-tune=generic -v
Processor Notes: Scaling Governor: intel_pstate powersave
System Notes: Disk Scheduler: DEADLINE.

Core i7 3770K

Processor: Intel Core i7-3770K @ 3.90GHz (8 Cores), Motherboard: ECS Z77H2-A2X v1.0, Chipset: Intel Xeon E3-1200 v2/3rd, Memory: 8192MB, Disk: 160GB INTEL SSDSA2M160, Graphics: Intel HD 4000 (1150MHz), Audio: Realtek ALC892, Network: Realtek RTL8111/8168/8411

OS: Ubuntu 15.04, Kernel: 4.1.0-999-generic (x86_64) 20150525, Desktop: Unity 7.3.2, Display Server: X Server 1.17.1, Display Driver: intel 2.99.917, Compiler: GCC 6.0.0 20150723, File-System: btrfs, Screen Resolution: 1024x768

Compiler Notes: --disable-multilib --enable-checking=release --enable-languages=c,c++,fortran
Processor Notes: Scaling Governor: intel_pstate powersave

Core i7 3960X

Processor: Intel Core i7-3960X @ 1.29GHz (12 Cores), Motherboard: Intel DX79SI, Chipset: Intel Xeon E5/Core, Memory: 2 x 4096 MB DDR3-1600MHz, Disk: 500GB Western Digital WD5000AAKX-0, Graphics: Sapphire AMD Radeon HD 6770 1024MB (157/300MHz), Audio: Realtek ALC892, Network: Intel 82579LM Gigabit Connection

OS: Ubuntu 15.04, Kernel: 4.3.0-999-generic (x86_64) 20151104, Desktop: Unity 7.3.2, Display Server: X Server 1.17.1, Display Driver: radeon 7.6.99, Compiler: GCC 4.9.2, File-System: ext4, Screen Resolution: 1024x768

Compiler Notes: --build=x86_64-linux-gnu --disable-browser-plugin --disable-vtable-verify --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-multilib --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-multilib-list=m32,m64,mx32 --with-tune=generic -v
Processor Notes: Scaling Governor: intel_pstate powersave

Core i7 4600U

Processor: Intel Core i7-4600U @ 3.30GHz (4 Cores), Motherboard: CompuLab Intense-PC2 (IPC2), Chipset: Intel Haswell-ULT DRAM, Memory: 2 x 4096 MB DDR3-1600MHz, Disk: 120GB Micron_M500_MTFD, Graphics: Intel Haswell-ULT IGP (1100MHz), Audio: Intel Haswell-ULT HD Audio, Network: Intel Connection I218-LM + Intel Wireless 7260

OS: Ubuntu 14.10, Kernel: 4.3.0-999-generic (x86_64) 20151104, Desktop: Xfce 4.10, Display Server: X Server 1.16.0, Display Driver: intel 2.99.917, OpenGL: 3.3 Mesa 10.7.0-devel (git-2ca1f76 2015-07-23 utopic-oibaf-ppa), Compiler: GCC 4.9.1, File-System: ext4, Screen Resolution: 1024x768

Compiler Notes: --build=x86_64-linux-gnu --disable-browser-plugin --disable-vtable-verify --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-multilib --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-multilib-list=m32,m64,mx32 --with-tune=generic -v
Processor Notes: Scaling Governor: intel_pstate powersave

Core i7 4770K

Processor: Intel Core i7-4770K @ 3.90GHz (8 Cores), Motherboard: Gigabyte Z97-HD3, Chipset: Intel 4th Gen Core

DRAM, Memory: 2 x 4096 MB DDR3-1600MHz Kingston, Disk: 128GB Crucial_CT128MX1, Graphics: Intel HD 4600 (1250MHz), Audio: Intel Xeon E3-1200 v3/4th, Network: Realtek RTL8111/8168/8411

OS: Fedora 22, Kernel: 4.4.0-0.rc0.git8.2.fc24.x86_64 (x86_64) 20151113, Display Server: X Server 1.17.4, Display Driver: intel 2.99.917, OpenGL: 3.3 Mesa 10.6.9 (git-8957b69), Compiler: GCC 5.1.1 20150618, File-System: btrfs, Screen Resolution: 1024x768

Compiler Notes: --build=x86_64-redhat-linux --disable-libgcj --disable-libunwind-exceptions --enable-__cxa_atexit --enable-bootstrap --enable-checking=release --enable-gnu-indirect-function --enable-gnu-unique-object --enable-initfini-array --enable-languages=c,c++,objc,obj-c++,fortran,ada,go,lto --enable-libmpx --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-arch_32=i686 --with-default-libstdcxx-abi=c++98 --with-isl --with-linker-hash-style=gnu --with-tune=generic
Processor Notes: Scaling Governor: intel_pstate powersave
System Notes: SELinux: Enabled.

Core i7 5775C

Processor: Intel Core i7-5775C @ 3.70GHz (8 Cores), Motherboard: MSI Z97-G45 GAMING (MS-7821) v1.0, Chipset: Intel Broadwell-U- DMI, Memory: 2 x 8192 MB DDR3-1800MHz, Disk: 120GB CT120BX100SSD1, Graphics: Intel Broadwell-U (1150MHz), Audio: Intel Broadwell-U Audio, Network: Qualcomm Atheros Killer E220x Gigabit

OS: Ubuntu 15.10, Kernel: 4.3.0-999-generic (x86_64) 20151104, Desktop: Unity, Display Server: X Server 1.17.2, Display Driver: intel 2.99.917, OpenGL: 3.3 Mesa 11.1.0-devel (padoka PPA), Compiler: GCC 5.2.1 20151010, File-System: btrfs, Screen Resolution: 1024x768

Compiler Notes: --build=x86_64-linux-gnu --disable-browser-plugin --disable-vtable-verify --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,ada,c++,java,go,d,fortran,objc,obj-c++ --enable-libmpx --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --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-default-libstdcxx-abi=new --with-multilib-list=m32,m64,mx32 --with-tune=generic -v
Processor Notes: Scaling Governor: intel_pstate powersave
System Notes: Disk Scheduler: DEADLINE.

Core i7 720QM

Processor: Intel Core i7 720Q @ 1.60GHz (8 Cores), Motherboard: LENOVO 4318CTO, Chipset: Intel Core DMI, Memory: 2 x 2048 MB DDR3-1066MHz, Disk: 160GB FUJITSU MHZ2160B, Graphics: NVIDIA Quadro FX 880M 1024MB, Audio: Intel 5 /3400, Network: Intel 82577LM Gigabit Connection + Intel Centrino Ultimate-N 6300

OS: Ubuntu 15.04, Kernel: 3.19.0-14-generic (x86_64), Compiler: GCC 6.0.0 20150723, File-System: xfs, Screen Resolution: 1600x900

Compiler Notes: --disable-multilib --enable-checking=release --enable-languages=c,c++,fortran
Processor Notes: Scaling Governor: acpi-cpufreq ondemand

FX-8150

Processor: AMD FX-8150 Eight-Core @ 3.60GHz (8 Cores), Motherboard: ASUS M5A78L-M LX PLUS, Chipset: AMD RS780 + SB7x0/SB8x0/SB9x0, Memory: 1 x 8192 MB 1600MHz, Disk: 120GB Samsung SSD 840, Graphics: AMD FirePro V5800 1024MB (157/300MHz), Audio: Realtek ALC887-VD, Network: Realtek RTL8111/8168/8411

OS: Ubuntu 15.10, Kernel: 4.3.0-999-generic (x86_64) 20151104, Desktop: Unity, Display Server: X Server 1.17.2, Display Driver: radeon 7.5.99, OpenGL: 3.3 Mesa 11.0.2 Gallium 0.4, Compiler: GCC 5.2.1 20151010, File-System: btrfs, Screen Resolution: 1920x1080

Compiler Notes: --build=x86_64-linux-gnu --disable-browser-plugin --disable-vtable-verify --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,ada,c++,java,go,d,fortran,objc,obj-c++ --enable-libmpx --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --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-default-libstdcxx-abi=new --with-multilib-list=m32,m64,mx32 --with-tune=generic -v
Processor Notes: Scaling Governor: acpi-cpufreq ondemand

FX-8370

Processor: AMD FX-8370 Eight-Core @ 4.00GHz (8 Cores), Motherboard: ASRock 990FX Killer, Chipset: AMD RD890 bridge, Memory: 2 x 4096 MB DDR3-2400MHz, Disk: 120GB SPCC Solid State, Graphics: AMD FirePro V8700 1024MB (750/850MHz), Audio: Realtek ALC1150, Network: Qualcomm Atheros Killer E220x Gigabit

OS: Ubuntu 15.10, Kernel: 4.3.0-999-generic (x86_64) 20151018, Desktop: Unity, Display Server: X Server 1.17.2, Display Driver: radeon 7.5.99, OpenGL: 3.3 Mesa 11.0.2 Gallium 0.4, Compiler: GCC 5.2.1 20151010, File-System: ext4, Screen Resolution: 1920x1080

Compiler Notes: --build=x86_64-linux-gnu --disable-browser-plugin --disable-vtable-verify --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,ada,c++,java,go,d,fortran,objc,obj-c++ --enable-libmpx --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --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-default-libstdcxx-abi=new --with-multilib-list=m32,m64,mx32 --with-tune=generic -v
Processor Notes: Scaling Governor: acpi-cpufreq ondemand
System Notes: Disk Scheduler: DEADLINE.

FX-8370E

Processor: AMD FX-8370E Eight-Core @ 3.30GHz (8 Cores), Motherboard: ASUS M5A99FX PRO R2.0, Chipset: AMD RD890 bridge, Memory: 2 x 4096 MB DDR3-1866MHz, Disk: 120GB Samsung SSD 850, Graphics: AMD FirePro V5900 2048MB (250/500MHz), Audio: AMD SBx00 Azalia, Network: Realtek RTL8111/8168/8411

OS: Ubuntu 15.04, Kernel: 3.19.0-15-generic (x86_64), Compiler: GCC 6.0.0 20150723, File-System: btrfs, Screen Resolution: 1024x768

Compiler Notes: --disable-multilib --enable-checking=release --enable-languages=c,c++,fortran
Processor Notes: Scaling Governor: acpi-cpufreq ondemand

Jetson TK1

Processor: ARMv7 rev 3 @ 2.32GHz (4 Cores), Motherboard: jetson-tk1, Memory: 2048MB, Disk: 16GB SEM16G + 16GB SL16G, Graphics: GK20A/NullRM/AXI, Network: Realtek RTL8111/8168/8411

OS: Ubuntu 14.04, Kernel: 3.10.40-gdacac96 (armv7l), Desktop: Unity 7.2.2, Display Server: X Server 1.15.1, Display Driver: NVIDIA 21.4, OpenGL: 4.3.0, Compiler: GCC 4.8.4 + CUDA 6.5, File-System: ext4, Screen Resolution: 1920x1080

Compiler Notes: --build=arm-linux-gnueabihf --disable-browser-plugin --disable-libitm --disable-libmudflap --disable-libquadmath --disable-sjlj-exceptions --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-multilib --enable-nls --enable-objc-gc --enable-plugin --enable-shared --enable-threads=posix --host=arm-linux-gnueabihf --target=arm-linux-gnueabihf --with-arch-directory=arm --with-arch=armv7-a --with-float=hard --with-fpu=vfpv3-d16 --with-mode=thumb -v
Processor Notes: Scaling Governor: tegra interactive

Jetson TX1

Processor: Cortex A57 rev 1 @ 1.91GHz (4 Cores), Motherboard: jetson_tx1, Memory: 4096MB, Disk: 16GB 016G32 + 16GB SL16G, Graphics: NVIDIA TEGRA

OS: Ubuntu 14.04, Kernel: 3.10.67-g3a5c467 (aarch64), Desktop: Unity 7.2.2, Display Server: X Server 1.15.1, Display Driver: NVIDIA 1.0.0, Compiler: GCC 4.8.4 + CUDA 7.0, File-System: ext4, Screen Resolution: 3840x2160

Compiler Notes: --build=arm-linux-gnueabihf --disable-browser-plugin --disable-libitm --disable-libmudflap --disable-libquadmath --disable-sjlj-exceptions --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-multilib --enable-nls --enable-objc-gc --enable-plugin --enable-shared --enable-threads=posix --host=arm-linux-gnueabihf --target=arm-linux-gnueabihf --with-arch-directory=arm --with-arch=armv7-a --with-float=hard --with-fpu=vfpv3-d16 --with-mode=thumb -v
Processor Notes: Scaling Governor: tegra interactive

Pentium G3258

Processor: Intel Pentium G3258 @ 3.20GHz (2 Cores), Motherboard: Gigabyte H97M-D3H, Chipset: Intel 4th Gen Core DRAM, Memory: 2 x 4096 MB DDR3-1400MHz CMY8GX3M2A2400C11, Disk: 250GB SAMSUNG HD253GJ, Graphics: Intel HD (1100MHz), Audio: Intel Xeon E3-1200 v3/4th, Network: Realtek RTL8111/8168/8411

OS: Ubuntu 15.10, Kernel: 4.3.0-999-generic (x86_64) 20151104, Desktop: Unity, Display Server: X Server 1.17.2, Display Driver: intel 2.99.917, OpenGL: 3.3 Mesa 11.1.0-devel (git-4066386 2015-11-13 wily-oibaf-ppa), Compiler: GCC 5.2.1 20151010, File-System: ext4, Screen Resolution: 1024x768

Compiler Notes: --build=x86_64-linux-gnu --disable-browser-plugin --disable-vtable-verify --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,ada,c++,java,go,d,fortran,objc,obj-c++ --enable-libmpx --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --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-default-libstdcxx-abi=new --with-multilib-list=m32,m64,mx32 --with-tune=generic -v
Processor Notes: Scaling Governor: intel_pstate powersave

Phenom 9500

Processor: AMD Phenom 9500 @ 2.20GHz (4 Cores), Motherboard: ECS A780GM-A v1.0, Chipset: AMD RS780 + SB7x0/SB8x0/SB9x0, Memory: 2 x 2048 MB DDR2-400MHz, Disk: 1000GB Western Digital WD10EZRX-00A, Graphics: AMD FirePro V7800 2048MB (157/300MHz), Audio: SigmaTel 92HD206X, Network: Qualcomm Atheros Attansic L1 Gigabit

OS: Fedora 22, Kernel: 4.4.0-0.rc0.git6.2.fc24.x86_64 (x86_64) 20151110, Desktop: GNOME Shell 3.16.4, Display Server: X Server 1.17.4, Display Driver: radeon 7.5.0, OpenGL: 3.3 Mesa 10.6.9 (git-8957b69) Gallium 0.4, Compiler: GCC 5.1.1 20150618, File-System: ext4, Screen Resolution: 1920x1080

Compiler Notes: --build=x86_64-redhat-linux --disable-libgcj --disable-libunwind-exceptions --enable-__cxa_atexit --enable-bootstrap --enable-checking=release --enable-gnu-indirect-function --enable-gnu-unique-object --enable-initfini-array --enable-languages=c,c++,objc,obj-c++,fortran,ada,go,lto --enable-libmpx --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-arch_32=i686 --with-default-libstdcxx-abi=c++98 --with-isl --with-linker-hash-style=gnu --with-tune=generic
Processor Notes: Scaling Governor: acpi-cpufreq ondemand
System Notes: Disk Scheduler: CFQ. SELinux: Enabled.

Phenom II X3 710

Processor: AMD Phenom II X3 710 @ 2.60GHz (3 Cores), Motherboard: MSI 890GXM-G65 (MS-7642) v1.0, Chipset: AMD RS880, Memory: 2 x 8192 MB 667MHz, Disk: 250GB Seagate ST3250310AS, Graphics: MSI AMD Radeon HD 4290 320MB (500/667MHz), Audio: AMD SBx00 Azalia, Network: Realtek RTL8111/8168/8411

OS: Ubuntu 15.04, Kernel: 3.19.0-15-generic (x86_64), Compiler: GCC 6.0.0 20150723, File-System: ext4, Screen Resolution: 1024x768

Compiler Notes: --disable-multilib --enable-checking=release --enable-languages=c,c++,fortran
Processor Notes: Scaling Governor: acpi-cpufreq ondemand

Sempron 3850

Processor: AMD Sempron 3850 APU with Radeon R3 @ 1.30GHz (4 Cores), Motherboard: ASUS AM1I-A, Chipset: AMD Family 16h Root Complex, Memory: 2 x 2048 MB DDR3-667MHz CMX4GX3M2A1600C9, Disk: 320GB Seagate

ST3320620AS, Graphics: ASUS AMD Radeon HD 8280 / R3 512MB (267MHz), Audio: AMD Kabini HDMI/DP, Network: Realtek RTL8111/8168/8411

OS: Ubuntu 14.10, Kernel: 4.3.0-999-generic (x86_64) 20151104, Desktop: Xfce 4.10, Display Server: X Server 1.16.0, Display Driver: radeon 7.4.0, OpenGL: 3.3 Mesa 10.3.0 Gallium 0.4, Compiler: GCC 4.9.1, File-System: ext4, Screen Resolution: 1920x1080

Compiler Notes: --build=x86_64-linux-gnu --disable-browser-plugin --disable-vtable-verify --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-multilib --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-multilib-list=m32,m64,mx32 --with-tune=generic -v
Processor Notes: Scaling Governor: acpi-cpufreq ondemand

Pentium G4400

Processor: Intel Pentium G4400 @ 3.30GHz (2 Cores), Motherboard: Gigabyte H110M-A-CF, Chipset: Intel Sky Lake, Memory: 8192MB, Disk: 120GB Samsung SSD 850, Graphics: Intel Device 1902 (1000MHz), Audio: Realtek ALC887-VD, Monitor: DELL P2415Q, Network: Realtek RTL8111/8168/8411

OS: Ubuntu 15.10, Kernel: 4.4.0-rc2-phoronix (x86_64) 20151123, Desktop: Unity, Display Server: X Server 1.17.2, Display Driver: intel 2.99.917, OpenGL: 3.3 Mesa 11.2.0-devel (padoka PPA), Compiler: GCC 5.2.1 20151010, File-System: ext4, Screen Resolution: 3840x2160

Compiler Notes: --build=x86_64-linux-gnu --disable-browser-plugin --disable-vtable-verify --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,ada,c++,java,go,d,fortran,objc,obj-c++ --enable-libmpx --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --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-default-libstdcxx-abi=new --with-multilib-list=m32,m64,mx32 --with-tune=generic -v
Processor Notes: Scaling Governor: intel_pstate performance

Core2Quad Q9300

Processor: Intel Core 2 Quad Q9300 @ 2.50GHz (4 Cores), Motherboard: PEGATRON Benicia v1.01, Chipset: Intel 82G33/G31/P35/P31 + ICH9R, Memory: 4096MB, Disk: 640GB Western Digital WD6400AAKS-6 + 1000GB 10EADS External + 1500GB Ext HDD 1021, Graphics: ASUS NVIDIA GeForce GTX 275 896MB (633/1134MHz), Audio: Realtek ALC1200, Monitor: Idek Iiyama PLE2403WS, Network: Realtek RTL8111/8168/8411

OS: Debian testing, Kernel: 4.2.0-1-amd64 (x86_64), Desktop: KDE, Display Server: X Server 1.17.3, Display Driver: NVIDIA 340.93, OpenGL: 3.3.0, Compiler: GCC 5.2.1 20151028, File-System: ext4, Screen Resolution: 1920x1200

Compiler Notes: --build=x86_64-linux-gnu --disable-browser-plugin --disable-vtable-verify --enable-checking=release --enable-clocale=gnu --enable-gnu-unique-object --enable-gtk-cairo --enable-java-awt=gtk --enable-java-home --enable-languages=c,ada,c++,java,go,d,fortran,objc,obj-c++ --enable-libmpx --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --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=i586 --with-arch-directory=amd64 --with-default-libstdcxx-abi=new --with-multilib-list=m32,m64,mx32 --with-tune=generic -v
Processor Notes: Scaling Governor: acpi-cpufreq ondemand

i7-6700K

Processor: Intel Core i7-6700K @ 4.40GHz (8 Cores), Motherboard: ASUS Z170-A, Chipset: Intel Skylake, Memory: 32768MB, Disk: 1000GB Samsung SSD 850 + 4001GB HGST HDS724040AL, Graphics: MSI NVIDIA GeForce GTX 1070 8192MB (1569/4006MHz), Audio: Realtek ALC892, Network: Intel Connection

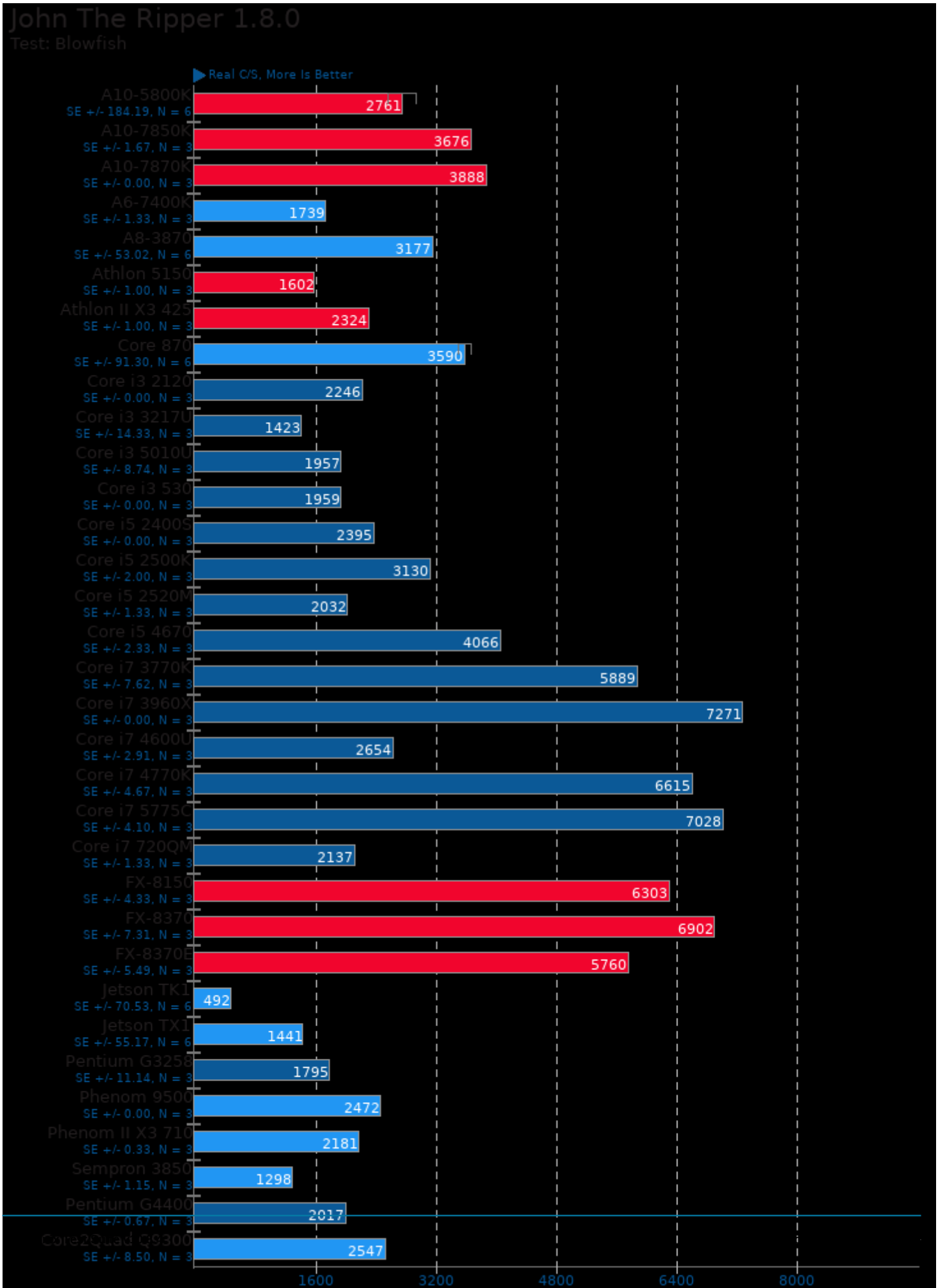
OS: Debian 9.0, Kernel: 4.9.0-2-amd64 (x86_64), Desktop: Xfce 4.12, Display Driver: NVIDIA 375.39, OpenGL: 4.5.0, Vulkan: 1.0.24, Compiler: GCC 6.3.0 20170205, File-System: ext4, Screen Resolution: 3840x2160

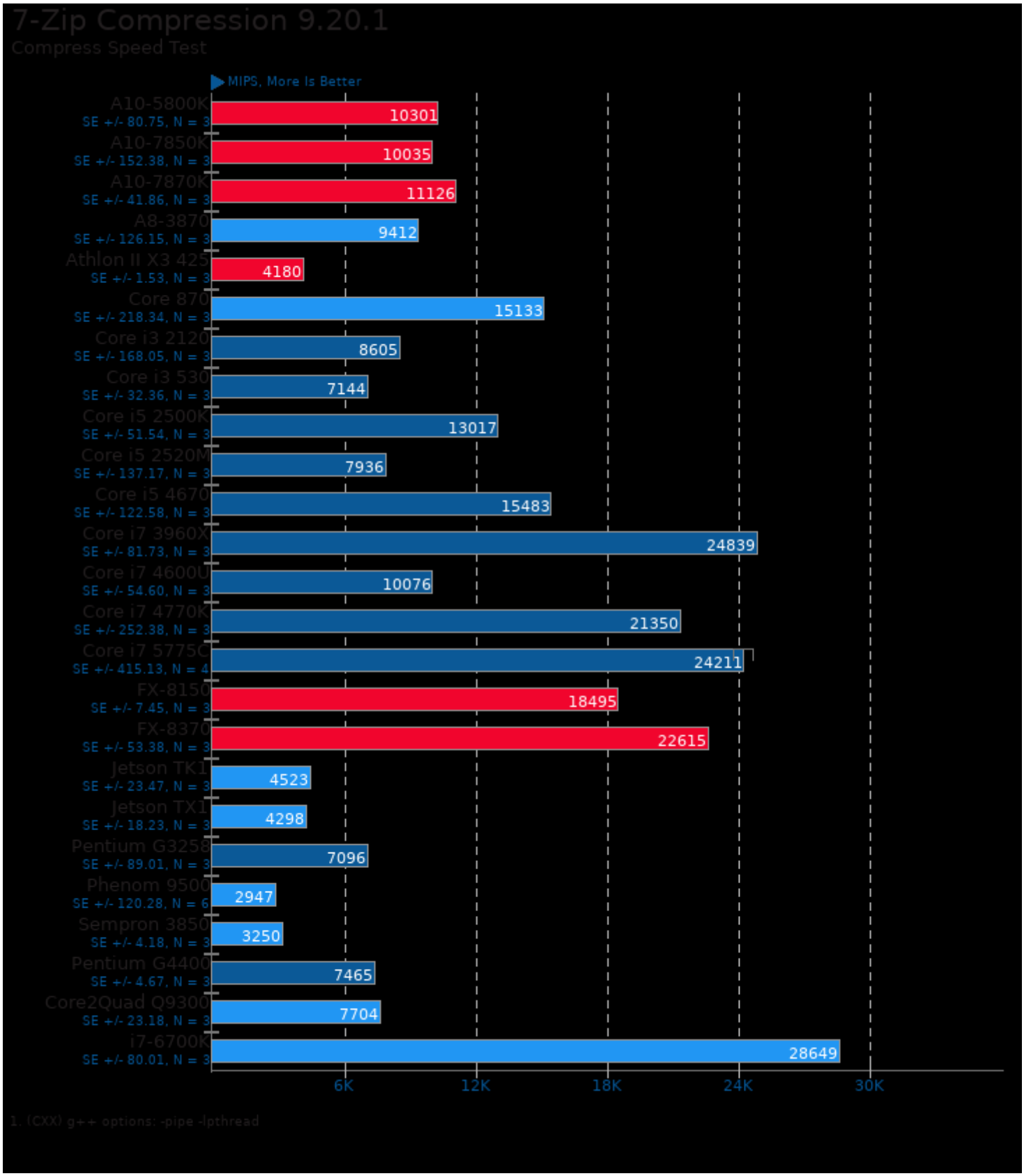
Pentium Skylake Compared To Many Other Linux Systems

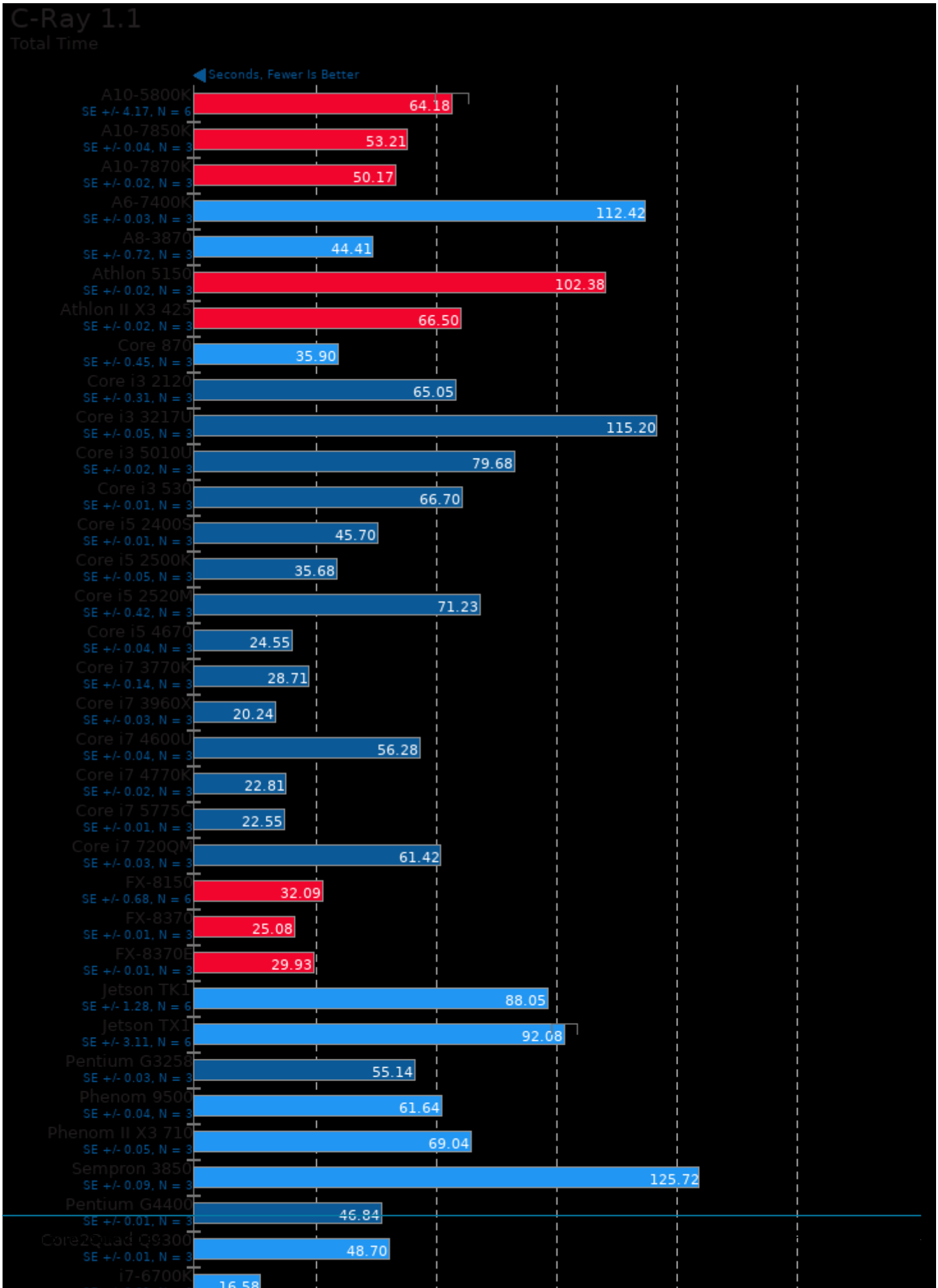
Environment Notes: __GL_THREADED_OPTIMIZATIONS=1 __GL_YIELD=USLEEP
Compiler Notes: --build=x86_64-linux-gnu --disable-browser-plugin --disable-vtable-verify --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-gtk-cairo --enable-java-awt=gtk --enable-java-home --enable-languages=c,ada,c++,java,go,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-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-arch-directory=amd64 --with-default-libstdcxx-abi=new --with-multilib-list=m32,m64,mx32 --with-target-system-zlib --with-tune=generic -v
Processor Notes: Scaling Governor: intel_pstate powersave

	A10-5800K	A10-7850K	A10-7870K	A6-7400K	A8-3870	Athlon 5150	Athlon II X3 425	Core 2 Extreme QX9770	Core i3-2120	Core i3-3217U	Core i5-3550	Core i5-3330	Core i5-4200U	Core i5-2500K	Core i5-2520M	Core i5-4670	Core i7-3770K	Core i7-3960X	Core i7-4600U	Core i7-4770K	Core i7-5775C	Core i7-7200QM	FX-8150	FX-8370	FX-8370E	Jetson TK1	Jetson TX1	Pentium G3258	Phenom 9500	Phenom II X3 710	Sempron 3850	Pentium G4400	Core 2 Quad Q9300	i7-6700K
John The Ripper - Blowfish (Real C/S)	2736.7	3685.6	3878.4	1873.9	3716.7	1602.0	2363.2	3595.3	2242.6	1149.5	1199.5	1293.9	2593.3	3121.3	2300.3	4006.6	5827.1	7260.0	2666.5	6611.9	7058.5	2913.8	6933.0	6693.9	5494.6	4921.3	1974.5	1772.7	2484.0	2181.8	1289.9	2054.7	2574.0
Normalized Standard Deviation	37.97%	50.56%	53.47%	23.92%	43.69%	22.03%	31.96%	49.37%	30.89%	19.57%	26.92%	26.94%	32.04%	43.05%	27.95%	55.92%	80.29%	10.00%	36.85%	90.96%	96.63%	29.43%	86.69%	94.93%	79.22%	6.77%	19.82%	24.69%	34.%	30.%	17.85%	27.74%	35.03%

| | | |


John The Ripper 1.8.0
Test: Blowfish
Real C/S, More Is Better
A10-5800K
SE +/- 184.19, N = 6
2761
A10-7850K
SE +/- 1.67, N = 3
3676
A10-7870K
SE +/- 0.00, N = 3
3888
A6-7400K
SE +/- 1.33, N = 3
1739
A8-3870
SE +/- 53.02, N = 6
3177
Athlon 5150
SE +/- 1.00, N = 3
1602
Athlon II X3 425
SE +/- 1.00, N = 3
2324
Core 870
SE +/- 91.30, N = 6
3590
Core i3 2120
SE +/- 0.00, N = 3
2246
Core i3 3217U
SE +/- 14.33, N = 3
1423
Core i3 5010U
SE +/- 8.74, N = 3
1957
Core i3 530
SE +/- 0.00, N = 3
1959
Core i5 2400S
SE +/- 0.00, N = 3
2395
Core i5 2500K
SE +/- 2.00, N = 3
3130
Core i5 2520M
SE +/- 1.33, N = 3
2032
Core i5 4670
SE +/- 2.33, N = 3
4066
Core i7 3770K
SE +/- 7.62, N = 3
5889
Core i7 3960X
SE +/- 0.00, N = 3
7271
Core i7 4600U
SE +/- 2.91, N = 3
2654
Core i7 4770K
SE +/- 4.67, N = 3
6615
Core i7 5775C
SE +/- 4.10, N = 3
7028
Core i7 720QM
SE +/- 1.33, N = 3
2137
FX-8150
SE +/- 4.33, N = 3
6303
FX-8370
SE +/- 7.31, N = 3
6902
FX-8370E
SE +/- 5.49, N = 3
5760
Jetson TK1
SE +/- 70.53, N = 6
492
Jetson TX1
SE +/- 55.17, N = 6
1441
Pentium G3258
SE +/- 11.14, N = 3
1795
Phenom 9500
SE +/- 0.00, N = 3
2472
Phenom II X3 710
SE +/- 0.33, N = 3
2181
Sempron 3850
SE +/- 1.15, N = 3
1298
Pentium G4400
SE +/- 0.67, N = 3
2017
Core2Quad Q9300
SE +/- 8.50, N = 3
2547
1600
3200
4800
6400
8000


7-Zip Compression 9.20.1
Compress Speed Test
MIPS, More Is Better
A10-5800K
SE +/- 80.75, N = 3
10301
A10-7850K
SE +/- 152.38, N = 3
10035
A10-7870K
SE +/- 41.86, N = 3
11126
A8-3870
SE +/- 126.15, N = 3
9412
Athlon II X3 425
SE +/- 1.53, N = 3
4180
Core 870
SE +/- 218.34, N = 3
15133
Core i3 2120
SE +/- 168.05, N = 3
8605
Core i3 530
SE +/- 32.36, N = 3
7144
Core i5 2500K
SE +/- 51.54, N = 3
13017
Core i5 2520M
SE +/- 137.17, N = 3
7936
Core i5 4670
SE +/- 122.58, N = 3
15483
Core i7 3960X
SE +/- 81.73, N = 3
24839
Core i7 4600U
SE +/- 54.60, N = 3
10076
Core i7 4770K
SE +/- 252.38, N = 3
21350
Core i7 5775C
SE +/- 415.13, N = 4
24211
FX-8150
SE +/- 7.45, N = 3
18495
FX-8370
SE +/- 53.38, N = 3
22615
Jetson TK1
SE +/- 23.47, N = 3
4523
Jetson TX1
SE +/- 18.23, N = 3
4298
Pentium G3258
SE +/- 89.01, N = 3
7096
Phenom 9500
SE +/- 120.28, N = 6
2947
Sempron 3850
SE +/- 4.18, N = 3
3250
Pentium G4400
SE +/- 4.67, N = 3
7465
Core2Quad Q9300
SE +/- 23.18, N = 3
7704
i7-6700K
SE +/- 80.01, N = 3
28649
6K
12K
18K
24K
30K
1. (CXX) g++ options: -pipe -lpthread


C-Ray 1.1
Total Time
Seconds, Fewer Is Better
A10-5800K
SE +/- 4.17, N = 6
64.18
A10-7850K
SE +/- 0.04, N = 3
53.21
A10-7870K
SE +/- 0.02, N = 3
50.17
A6-7400K
SE +/- 0.03, N = 3
112.42
A8-3870
SE +/- 0.72, N = 3
44.41
Athlon 5150
SE +/- 0.02, N = 3
102.38
Athlon II X3 425
SE +/- 0.02, N = 3
66.50
Core 870
SE +/- 0.45, N = 3
35.90
Core i3 2120
SE +/- 0.31, N = 3
65.05
Core i3 3217U
SE +/- 0.05, N = 3
115.20
Core i3 5010U
SE +/- 0.02, N = 3
79.68
Core i3 530
SE +/- 0.01, N = 3
66.70
Core i5 2400S
SE +/- 0.01, N = 3
45.70
Core i5 2500K
SE +/- 0.05, N = 3
35.68
Core i5 2520M
SE +/- 0.42, N = 3
71.23
Core i5 4670
SE +/- 0.04, N = 3
24.55
Core i7 3770K
SE +/- 0.14, N = 3
28.71
Core i7 3960X
SE +/- 0.03, N = 3
20.24
Core i7 4600U
SE +/- 0.04, N = 3
56.28
Core i7 4770K
SE +/- 0.02, N = 3
22.81
Core i7 5775C
SE +/- 0.01, N = 3
22.55
Core i7 720QM
SE +/- 0.03, N = 3
61.42
FX-8150
SE +/- 0.68, N = 6
32.09
FX-8370
SE +/- 0.01, N = 3
25.08
FX-8370E
SE +/- 0.01, N = 3
29.93
Jetson TK1
SE +/- 1.28, N = 6
88.05
Jetson TX1
SE +/- 3.11, N = 6
92.08
Pentium G3258
SE +/- 0.03, N = 3
55.14
Phenom 9500
SE +/- 0.04, N = 3
61.64
Phenom II X3 710
SE +/- 0.05, N = 3
69.04
Sempron 3850
SE +/- 0.09, N = 3
125.72
Pentium G4400
SE +/- 0.01, N = 3
46.84
Core2Quad Q9300
SE +/- 0.01, N = 3
48.70
i7-6700K
16.58

This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 17:56.