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Intel Xeon E3-1231 v3 Ubuntu Linux Benchmarks

core i7 4770 results

Automated Executive Summary

Xeon E3-1245 v5 had the most wins, coming in first place for 28% of the tests.

Based on the geometric mean of all complete results, the fastest (Xeon E3-1245 v5) was 4.408x the speed of the slowest (Phenom 9500).

Test Systems:

2 x Opteron 2384

Processor: 2 x AMD Opteron 2384 @ 2.70GHz (8 Cores), Motherboard: TYAN S2932/S2932-E, Chipset: NVIDIA MCP55, Memory: 8 x 2048 MB DDR2-667MHz, Disk: 120GB INTEL SSDSC2BW12, Graphics: Sapphire AMD Radeon HD 5830 1024MB (157/300MHz), Audio: AMD Cypress HDMI Audio

OS: Ubuntu 15.04, Kernel: 4.4.0-999-generic (x86_64) 20160106, 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

2 x Xeon E5540

Processor: 2 x Intel Xeon E5540 @ 2.53GHz (16 Cores), Motherboard: SUN ASSY X4170, Chipset: Intel 5520 I/O + ICH10R, Memory: 18 x 2048 MB DDR3-800MHz Hyundai, Disk: 2 x 147GB Seagate ST914603SSUN146G + 6 x 300GB H106030SDSUN300G, Graphics: ASPEED ASPEED Family, Network: Intel 82575EB Gigabit Connection

OS: Ubuntu 15.04, Kernel: 4.4.0-999-generic (x86_64) 20160106, 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

A10-5800K

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: 4.4.0-999-generic (x86_64) 20160105, 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

A10-7800

Processor: AMD A10-7800 Radeon R7 12 Compute Cores 4C+8G @ 3.50GHz (4 Cores), Motherboard: MSI A78M-E35 (MS-7721) v6.0, Chipset: AMD Family 15h, Memory: 2 x 4096 MB DDR3-1333MHz Corsair CMZ16GX3M4A1600C9, Disk: 500GB Western Digital WD5000AZRX-0, Graphics: MSI AMD Radeon R7 1024MB (351MHz), Audio: AMD Kaveri HDMI/DP, Monitor: G237HL, Network: Realtek RTL8111/8168/8411

OS: Ubuntu 14.10, Kernel: 4.2.0-999-generic (x86_64) 20150802, Desktop: Unity 7.3.1, Display Server: X Server 1.16.0, Display Driver: radeon 7.5.99, OpenGL: 3.3 Mesa 10.7.0-devel (git-b4b4406 2015-06-28 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

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: 4.4.0-999-generic (x86_64) 20160106, 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, Monitor: DELL S2409W, Network: Realtek RTL8111/8168/8411

OS: Fedora 22, Kernel: 4.4.0-0.rc8.git0.1.fc24.x86_64 (x86_64) 20160104, 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 5.3.1 20151207, 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=gcc4-compatible --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: 4.4.0-999-generic (x86_64) 20160106, 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

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 2100

Processor: Intel Core i3-2100 @ 3.10GHz (4 Cores), Motherboard: MSI H61M-P31/W8 (MS-7788) v1.0, Chipset: Intel 2nd Generation Core Family DRAM, Memory: 2 x 2048 MB DDR3-1067MHz OCZ3BE1600C8LV2G, Disk: 500GB Seagate ST500DM002-1BD14, Graphics: Intel HD 2000 (1100MHz), Audio: Realtek ALC887-VD, Network: Realtek RTL8111/8168/8411

OS: Ubuntu 16.04, Kernel: 4.4.0-999-generic (x86_64) 20160106, Display Server: X Server 1.17.3, Display Driver: intel 2.99.917, Compiler: GCC 5.3.1 20151219, 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

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: 1830GB, Graphics: Intel HD 2000 (1100MHz), Audio: Realtek ALC662 rev1, Network: Realtek RTL8111/8168/8411

OS: Ubuntu 15.10, Kernel: 4.4.0-999-generic (x86_64) 20160106, 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

Core i3 4130

Processor: Intel Core i3-4130 @ 3.40GHz (4 Cores), Motherboard: Intel DH87RL, Chipset: Intel 4th Gen Core DRAM, Memory: 2 x 1024 MB DDR3-1333MHz, Disk: 128GB TOSHIBA THNSNH12, Graphics: Intel Device 041e (1150MHz), Audio: Intel Xeon E3-1200 v3/4th, Network: Intel Connection I217-V

OS: Ubuntu 14.04, Kernel: 4.0.0-999-generic (x86_64) 20150310, Compiler: GCC 4.2.1 + Clang 3.8.0-svn256943-1~exp1, File-System: btrfs, Screen Resolution: 1024x768

Processor Notes: Scaling Governor: intel_pstate performance

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: 26GB, Graphics: AMD Radeon HD 5750 1024MB (157/300MHz), Audio: Realtek ALC892, Network: Realtek RTL8111/8168/8411

OS: Ubuntu 14.10, Kernel: 4.4.0-999-generic (x86_64) 20160105, 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: ASRock H61M-VG3, Chipset: Intel 2nd Generation Core Family DRAM, Memory: 2048MB, Disk: 1000GB Western Digital WD10EZRX-00A, Graphics: AMD FirePro V4900 1024MB (10000/150MHz), Audio: Realtek ALC662 rev1, Network: Realtek RTL8111/8168/8411

OS: Ubuntu 14.04, Kernel: 4.1.0-999-generic (x86_64) 20150607, Compiler: GCC 4.2.1 + Clang 3.8.0-svn256943-1~exp1, File-System: ext4, Screen Resolution: 1024x768

Processor Notes: Scaling Governor: intel_pstate powersave

Core i5 2500K SNB

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: 4.4.0-999-generic (x86_64) 20160106, 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

Core i5 3470

Processor: Intel Core i5-3470 @ 3.20GHz (4 Cores), Motherboard: ECS H61H2-I3 v1.0, Chipset: Intel Xeon E3-1200 v2/3rd, Memory: 1 x 4096 MB DDR3-1600MHz, Disk: 1000GB Western Digital WD10EZEX-00K, Graphics: Intel Gen7 (1100MHz), Audio: VIA VT1705, Monitor: VE228, Network: Realtek RTL8111/8168/8411

OS: Ubuntu 14.04, Kernel: 3.13.0-32-generic (x86_64), Compiler: GCC 4.2.1 + Clang 3.8.0-svn257069-1~exp1, File-System: ext4, Screen Resolution: 1920x1080

Processor Notes: Scaling Governor: acpi-cpufreq ondemand
System Notes: Disk Scheduler: DEADLINE.

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: 4.4.0-999-generic (x86_64) 20160106, 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

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 @ 1.20GHz (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: 4.4.0-999-generic (x86_64) 20160105, 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: 4.4.0-999-generic (x86_64) 20160105, Desktop: Xfce 4.10, Display Server: X Server 1.16.0, Display Driver: intel 2.99.917, OpenGL: 3.2 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.rc6.git1.2.fc24.x86_64 (x86_64) 20151223, Display Server: X Server 1.17.4, Display Driver: intel 2.99.917, OpenGL: 3.3 Mesa 10.6.9 (git-8957b69), Compiler: GCC 5.3.1 20151207, 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=gcc4-compatible --with-isl --with-linker-hash-style=gnu --with-tune=generic
Processor Notes: Scaling Governor: intel_pstate powersave
System Notes: SELinux: Enabled.

Core i7 4790K

Processor: Intel Core i7-4790K @ 4.40GHz (8 Cores), Motherboard: Gigabyte Z97-HD3P, Chipset: Intel 4th Gen Core DRAM, Memory: 2 x 8192 MB DDR3-1600MHz, Disk: 120GB OCZ TRION100, Graphics: Intel HD 4600 (1250MHz), Audio: Intel Xeon E3-1200 v3/4th, Network: Realtek RTL8111/8168/8411

OS: Ubuntu 16.04, Kernel: 4.4.0-999-generic (x86_64) 20160106, Desktop: Unity 7.4.0, Display Server: X Server 1.17.3, Display Driver: intel 2.99.917, OpenGL: 3.3 Mesa 11.0.7, Compiler: GCC 5.3.1 20151219, 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

Core i7 4960X

Processor: Intel Core i7-4960X @ 4.00GHz (12 Cores), Motherboard: MSI X79MA-GD45 (MS-7738) v1.0, Chipset: Intel Xeon E7 v2/Xeon, Memory: 2 x 4096 MB DDR3-1600MHz, Disk: 1000GB Seagate ST1000DX001-1CM1, Graphics: AMD FirePro V4800 1024MB (157/300MHz), Audio: Intel C600/X79, Network: Realtek RTL8111/8168/8411

OS: Ubuntu 14.04, Kernel: 3.18.0-999-generic (x86_64) 20141203, Compiler: GCC 4.2.1 + Clang 3.8.0-svn256943-1~exp1, File-System: btrfs, Screen Resolution: 1024x768

Processor Notes: Scaling Governor: intel_pstate powersave

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 DDR3-65535MHz, Disk: 120GB CT120BX100SSD1, Graphics: Intel Broadwell-U (1150MHz), Audio: Intel Broadwell-U Audio, Network: Qualcomm Atheros Killer E220x Gigabit

OS: Ubuntu 15.10, Kernel: 4.4.0-999-generic (x86_64) 20160106, 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

Core i7 5960X

Processor: Intel Core i7-5960X @ 3.50GHz (16 Cores), Motherboard: ASRock X99 Extreme3, Chipset: Intel Xeon E5 v3/Core, Memory: 4 x 4096 MB 2400MHz, Disk: 256GB CORSAIR FORCE LX, Graphics: NVIDIA GeForce GTX 770 2048MB, Audio: Realtek ALC1150, Network: Intel Connection

OS: Ubuntu 14.10, Kernel: 4.4.0-999-generic (x86_64) 20160106, Desktop: Xfce 4.10, Display Server: X Server 1.16.0, Display Driver: nouveau 1.0.11, OpenGL: 3.3 Mesa 10.3.0 Gallium 0.4, Compiler: GCC 4.9.1, 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: intel_pstate powersave

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: 4.4.0-999-generic (x86_64) 20160106, 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-8350

Processor: AMD FX-8350 Eight-Core @ 4.00GHz (8 Cores), Motherboard: ASUS Crosshair V Formula, Chipset: AMD RD890 bridge, Memory: 2 x 4096 MB DDR3-2133MHz, Disk: 1000GB Western Digital WD10EARS-00M, Graphics: AMD FirePro V3800 512MB (157/200MHz), Audio: Realtek ALC889, Network: Intel 82583V Gigabit Connection

OS: Ubuntu 14.04, Kernel: 3.13.0-40-generic (x86_64), Compiler: GCC 4.2.1 + Clang 3.8.0-svn256943-1~exp1, File-System: ext4, Screen Resolution: 1024x768

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: 4.4.0-999-generic (x86_64) 20160106, 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

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

Opteron 2384

Processor: AMD Opteron 2384 @ 2.70GHz (4 Cores), Motherboard: TYAN S2927/S2927-E, Chipset: NVIDIA MCP55, Memory: 4 x 1024 MB DDR2-667MHz, Disk: 300GB Seagate ST3300622AS, Graphics: Sapphire AMD Radeon HD 5000/6000/7350/8350 512MB (157/200MHz), Audio: AMD Cedar HDMI Audio

OS: Ubuntu 15.04, Kernel: 3.19.0-10-generic (x86_64), Compiler: GCC 4.2.1 + Clang 3.8.0-svn256943-1~exp1, File-System: ext4, Screen Resolution: 1024x768

Processor Notes: Scaling Governor: acpi-cpufreq ondemand
System Notes: Disk Scheduler: DEADLINE.

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: 4.4.0-999-generic (x86_64) 20160105, Desktop: Unity, Display Server: X Server 1.17.2, Display Driver: intel 2.99.917, OpenGL: 3.3 Mesa 11.2.0-devel (git-1953cee 2016-01-06 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

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: Intel Sunrise Point-H HD Audio, Network: Realtek RTL8111/8168/8411

OS: Clear Linux 5700, Kernel: 4.3.3-157 (x86_64), Compiler: GCC 5.3.0, File-System: ext4, Screen Resolution: 1024x768

Compiler Notes: --build=x86_64-generic-linux --disable-multiarch --disable-multilib --enable-__cxa_atexit --enable-bootstrap --enable-clocale=gnu --enable-languages=c,c++,fortran,go --enable-ld=default --enable-libmpx --enable-libstdcxx-pch --enable-lto --enable-plugin --enable-shared --enable-threads=posix --exec-prefix=/usr --includedir=/usr/include --target=x86_64-generic-linux --with-arch=westmere --with-glibc-version=2.19 --with-gnu-ld --with-ppl=no --with-system-libunwind --with-tune=haswell
Processor Notes: Scaling Governor: acpi-cpufreq performance

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.rc8.git0.1.fc24.x86_64 (x86_64) 20160104, 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 5.3.1 20151207, 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=gcc4-compatible --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

Xeon E3-1231 v3

Processor: Intel Xeon E3-1231 v3 @ 3.80GHz (8 Cores), Motherboard: Gigabyte H81M-S1, Chipset: Intel Xeon E3-1200 v3 DRAM, Memory: 16384MB, Disk: 120GB Samsung SSD 850, Graphics: LLVMpipe, Audio: Realtek ALC887-VD, Network: Realtek RTL8111/8168/8411

OS: Ubuntu 15.10, Kernel: 4.2.0-23-generic (x86_64), Desktop: Unity, Display Server: X Server 1.17.2, Display Driver: modesetting 1.17.2, OpenGL: 3.0 Mesa 11.0.2 Gallium 0.4, 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 performance

Xeon E3-1245 v5

Processor: Intel Xeon E3-1245 v5 @ 3.50GHz (8 Cores), Motherboard: Supermicro X11SAE-M v1.01, Chipset: Intel Sky Lake, Memory: 32768MB, Disk: 120GB Samsung SSD 850, Graphics: Intel Device 191d (1150MHz), Audio: Intel Sunrise Point-H HD Audio, Network: Intel Connection

OS: Clear Linux 5700, Kernel: 4.3.3-157 (x86_64), Display Server: X Server 1.17.2, Compiler: GCC 5.3.0, File-System: ext4, Screen Resolution: 1024x768

Compiler Notes: --build=x86_64-generic-linux --disable-multiarch --disable-multilib --enable-__cxa_atexit --enable-bootstrap --enable-clocale=gnu --enable-languages=c,c++,fortran,go --enable-ld=default --enable-libmpx --enable-libstdcxx-pch --enable-lto --enable-plugin --enable-shared --enable-threads=posix --exec-prefix=/usr --includedir=/usr/include --target=x86_64-generic-linux --with-arch=westmere --with-glibc-version=2.19 --with-gnu-ld --with-ppl=no --with-system-libunwind --with-tune=haswell
Processor Notes: Scaling Governor: acpi-cpufreq performance

Xeon E5-1680 v3

Processor: Intel Xeon E5-1680 v3 @ 3.80GHz (16 Cores), Motherboard: ASUS X99-A, Chipset: Intel Xeon E5 v3/Core, Memory: 4 x 4096 MB 2400MHz, Disk: 120GB OCZ ARC100, Graphics: AMD FirePro V8800 2048MB (157/300MHz), Audio: Intel C610/X99, Network: Intel Connection

OS: Ubuntu 15.04, Kernel: 3.19.0-18-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: intel_pstate powersave

core i7DD

Processor: Intel Core i7-4770 @ 3.90GHz (8 Cores), Motherboard: Gigabyte Z87X-D3H-CF, Chipset: Intel 4th Gen Core DRAM, Memory: 32768MB, Disk: 2 x 2000GB Seagate ST2000DM001-1CH1 + 240GB KINGSTON SV300S3 + 120GB Mercury ELECTRA, Graphics: Gigabyte NVIDIA GeForce GTX 770 2048MB (135/324MHz), Audio: Intel Xeon E3-1200 v3/4th, Network: Intel Connection I217-V + Qualcomm Atheros AR93xx Wireless

OS: Ubuntu 16.04, Kernel: 4.8.0-49-generic (x86_64), Desktop: Unity 7.4.0, Display Server: X Server 1.18.4, Display Driver: NVIDIA 375.39, OpenGL: 4.5.0, Vulkan: 1.0.24, Compiler: GCC 5.4.1 20160904, 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: intel_pstate powersave

Core i7 4770

Processor: Intel Core i7-4770 @ 3.90GHz (8 Cores), Motherboard: Gigabyte Z87X-D3H-CF, Chipset: Intel 4th Gen Core DRAM, Memory: 32768MB, Disk: 2 x 2000GB Seagate ST2000DM001-1CH1 + 240GB KINGSTON SV300S3 + 120GB Mercury ELECTRA, Graphics: Gigabyte NVIDIA GeForce GTX 770 2048MB (1150/3600MHz), Audio: Intel Xeon E3-1200 v3/4th, Network: Intel Connection I217-V + Qualcomm Atheros AR93xx Wireless

OS: Ubuntu 16.04, Kernel: 4.8.0-49-generic (x86_64), Desktop: Unity 7.4.0, Display Server: X Server 1.18.4, Display Driver: NVIDIA 375.39, OpenGL: 4.5.0, Vulkan: 1.0.24, Compiler: GCC 5.4.1 20160904, 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: intel_pstate powersave

	2xOpteron2384	2xXeonE5405	A1000-5880K	A1000-7705K	A1000-8700K	A6-7480K	A8-3870	Core i3-2100	Core i3-2120	Core i3-2130	Core i3-3245	Core i5-2300	Core i5-2500S	Core i5-2500K	Core i5-2550K	Core i5-3470	Core i5-4670	Core i5-4670K	Core i7-3770	Core i7-4770K	Core i7-4790K	Core i7-4960X	Core i7-5775C	Core i7-5960X	FX-8150	FX-8350	FX-8370	FX-8370E	Opteron 2384	Pentium G3258	Pentium G4500	Pentium G4560	Phenom II X3 710	Xeon E3-1230 v3	Xeon E3-1245 v3	Xeon E5-1680 v3	core2duo E7700	Core i7-4770
FFTW - Float + SSE - 2D FFT Size 4096 (Mflops)	44.0	49.2	65.4	58.4	62.7	66.1	54.9	46.0	53.7	58.1	66.2	67.7	46.4	62.5	59.3	66.9	67.7	77.0	76.9	67.9	79.0	90.0	67.0	77.0	76.0	76.4	76.1	66.4	46.0	68.5	83.0	37.4	96.8	77.8	78.0	80.3
Normalized	44.0	49.2	65.4	58.4	62.7	66.1	66.0	45.4	53.7	58.1	66.2	67.7	46.4	62.5	59.3	67.0	67.7	77.0	76.9	68.8	79.0	90.0	67.0	77.0	76.0	76.4	76.1	66.4	46.0	68.5	83.0	37.4	96.8	77.8	78.0	80.3
Standard Deviation	0.9%	1.0%	0.5%	0.6%	0.7%	0.8%	0.3%	0.2%	0.2%	0.7%	0.8%	0.7%	0.5%	0.9%	0.6%	1.0%	0.7%	0.8%	0.8%	0.8%	0.8%	0.4%	2.0%	0.2%	0.9%	0.2%	0.3%	0.9%	0.8%	0.7%	0.3%	0.2%	0.6%	0.6%	0.5%	0.2%

Intel Xeon E3-1231 v3 Ubuntu Linux Benchmarks

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Intel Xeon E3-1231 v3 Ubuntu Linux Benchmarks

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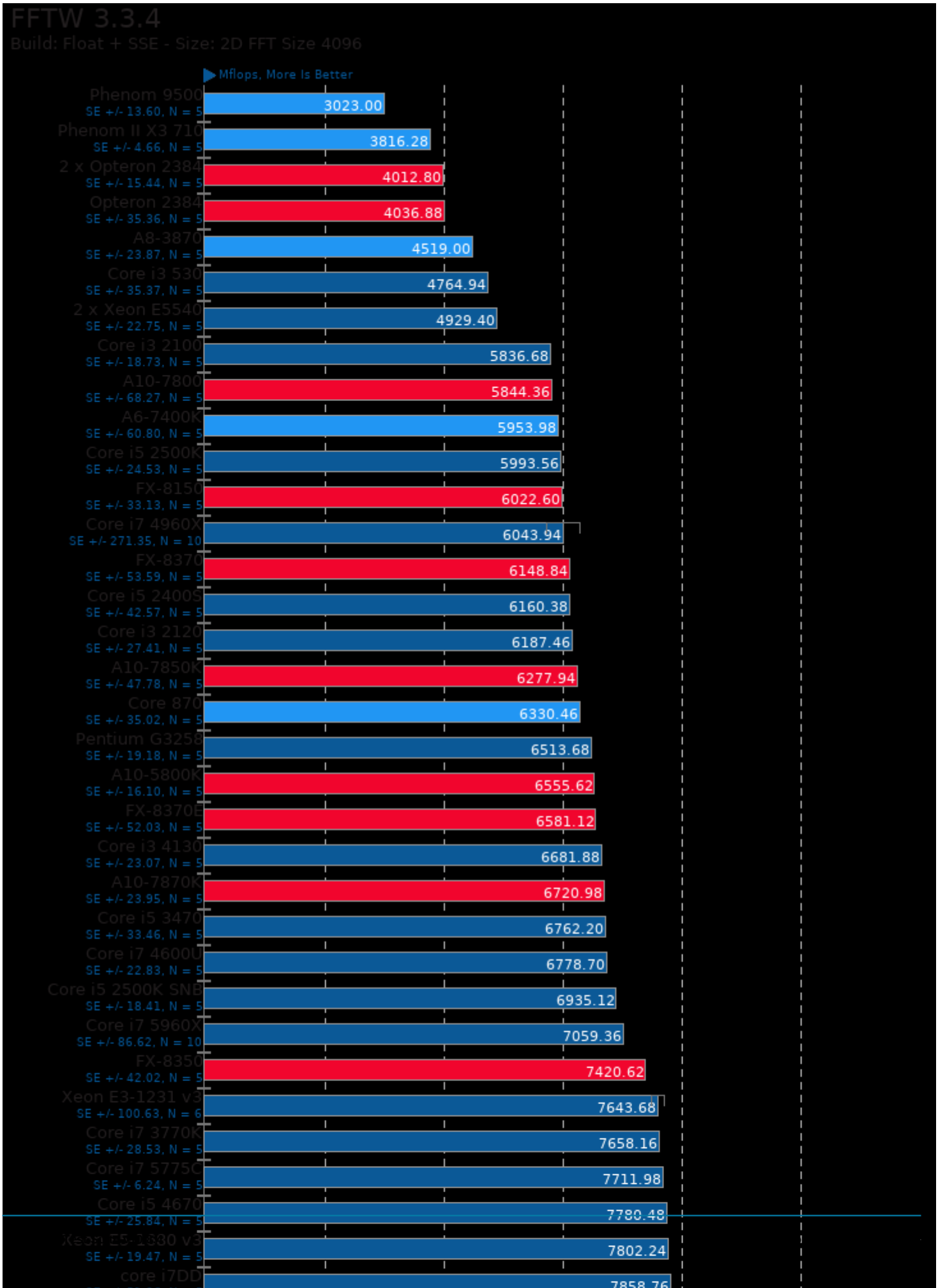
Intel Xeon E3-1231 v3 Ubuntu Linux Benchmarks

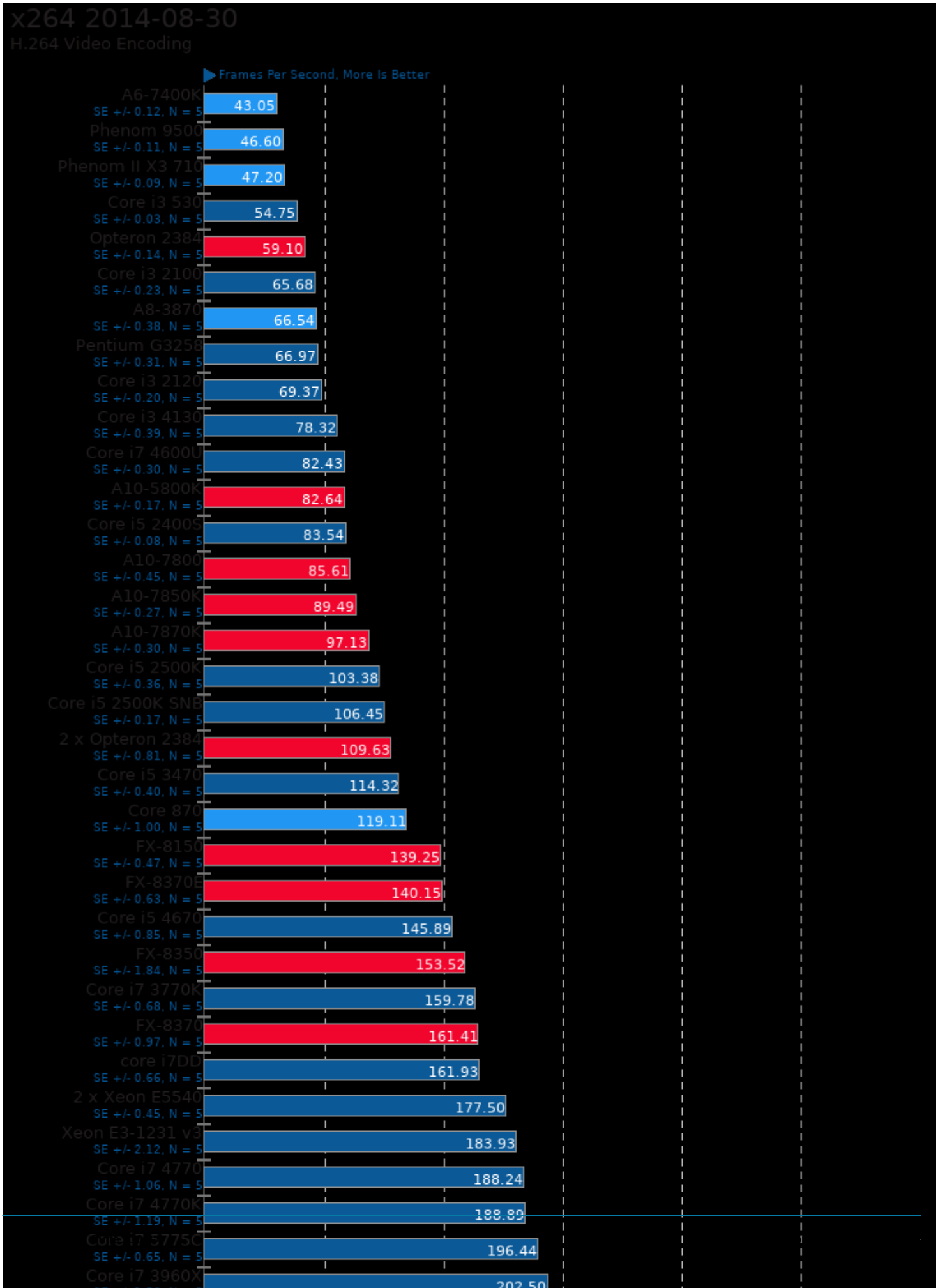
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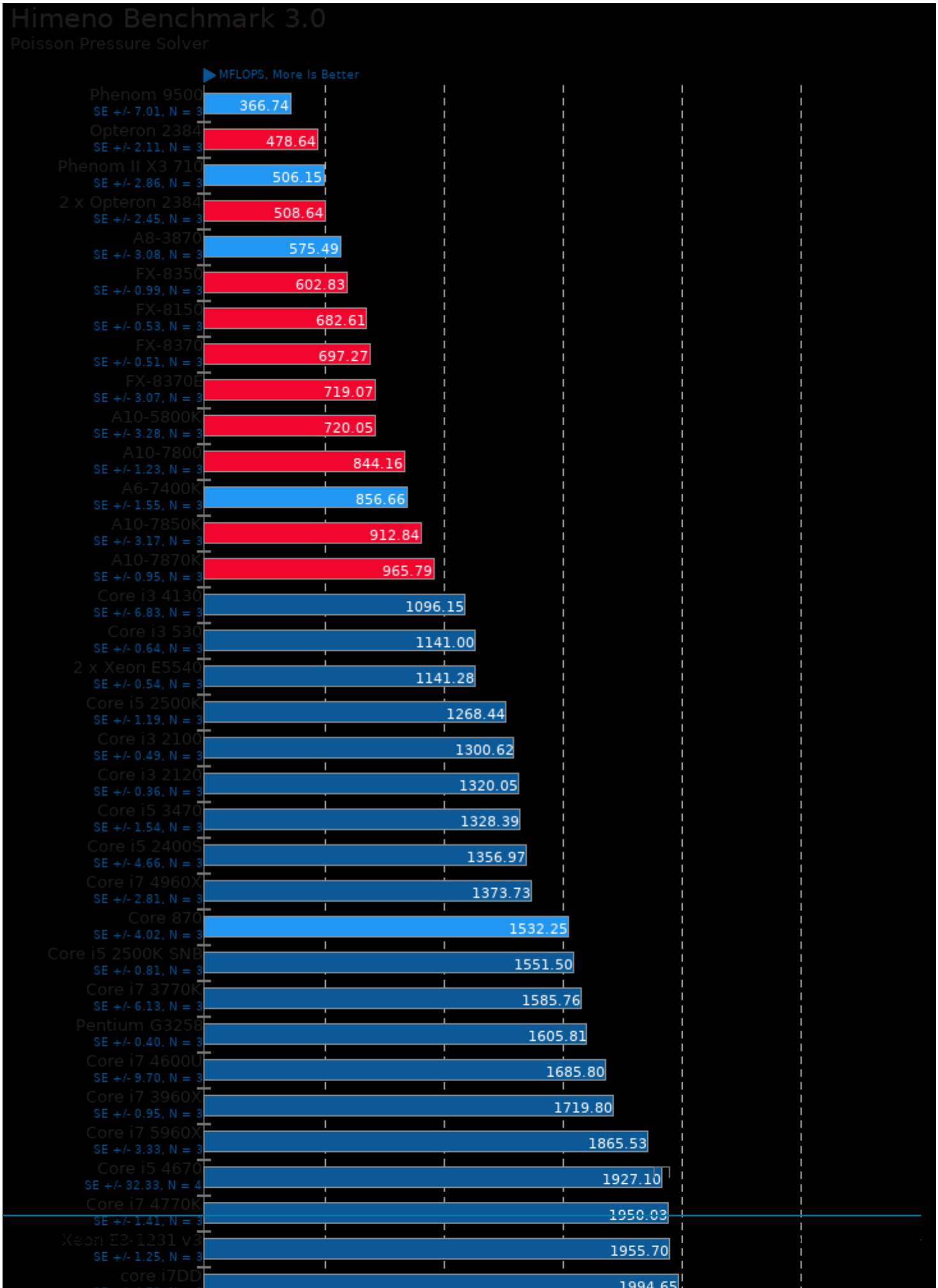
Intel Xeon E3-1231 v3 Ubuntu Linux Benchmarks

Op	6	5	3	3	3	3	1	3	2	2	2	2	**1**	3	4	4	4	5	5	7	2	6	7	8	6	1	6	6	6	5	3	2	2	2	2	5	6	**1**
enS	2	0	0	0	1	4	5	3	8	1	3	8	**3**	2	1	2	5	4	5	5	4	1	2	0	8	0	1	9	9	8	1	4	8	5	2	9	7	**2**
SL -	5	3	5	4	3	0	2	1	0	8	3	2	**7**	3	0	4	1	6	1	6	4	6	9	3	0	7	0	8	4	1	2	3	2	2	5	7	1	**5**
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(Sig	3	7	7	3	0	7	0	2	8	7	3	3	**7**	7	3	0	0	7	0	3	7	3	3	3	0		3	7	7	0	7	7	3	3	7	7	0	
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mali	0	0	4	4	5	7	2	6	2	7	8	2	1	5	2	3	6	3	4	0	9	9	8	4	4	6	8	5	5	6	4	9	2	0	8	7	3	0
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	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
Stan	0	0	1	0	2	0	0	4	3	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
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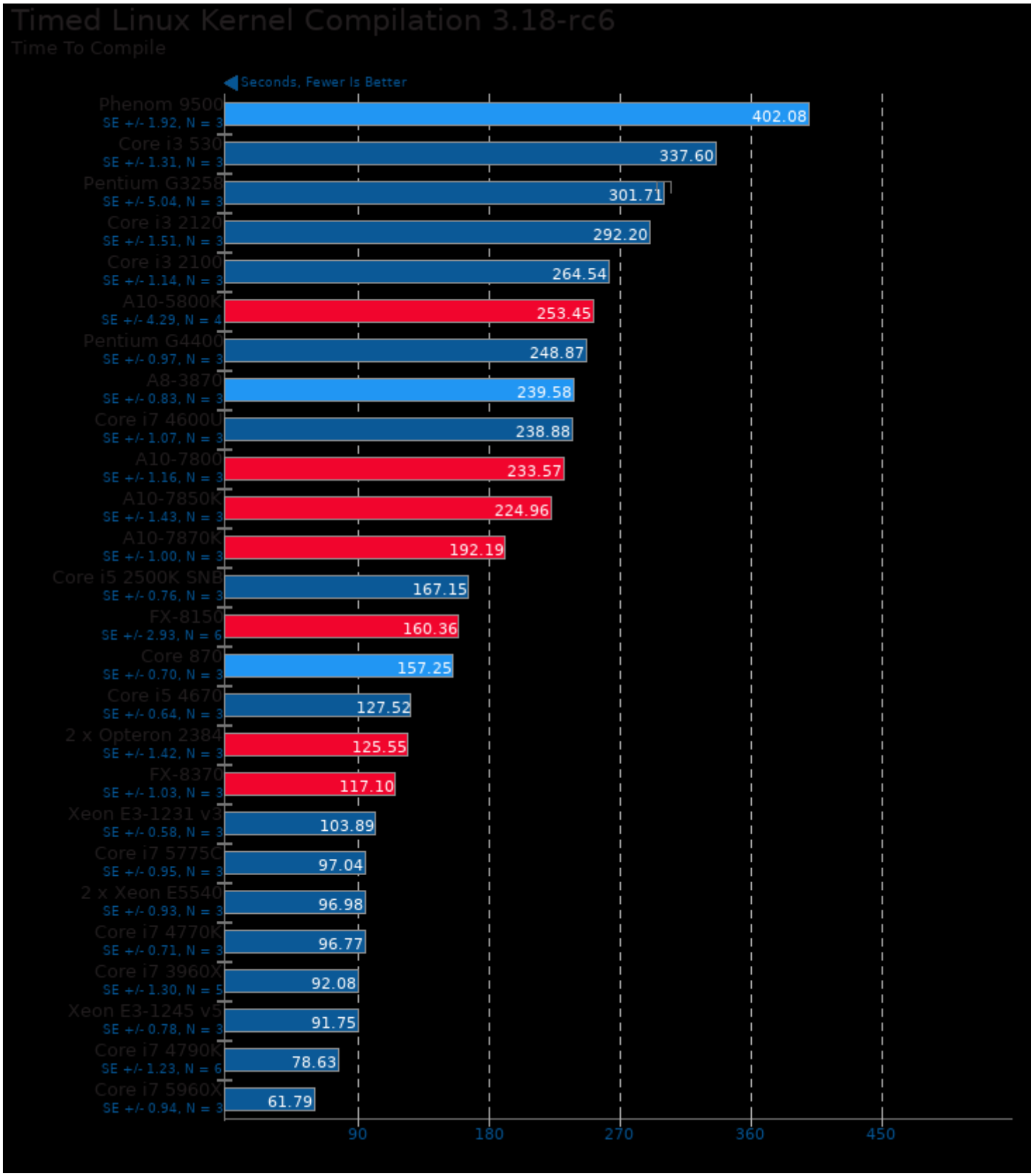
Intel Xeon E3-1231 v3 Ubuntu Linux Benchmarks

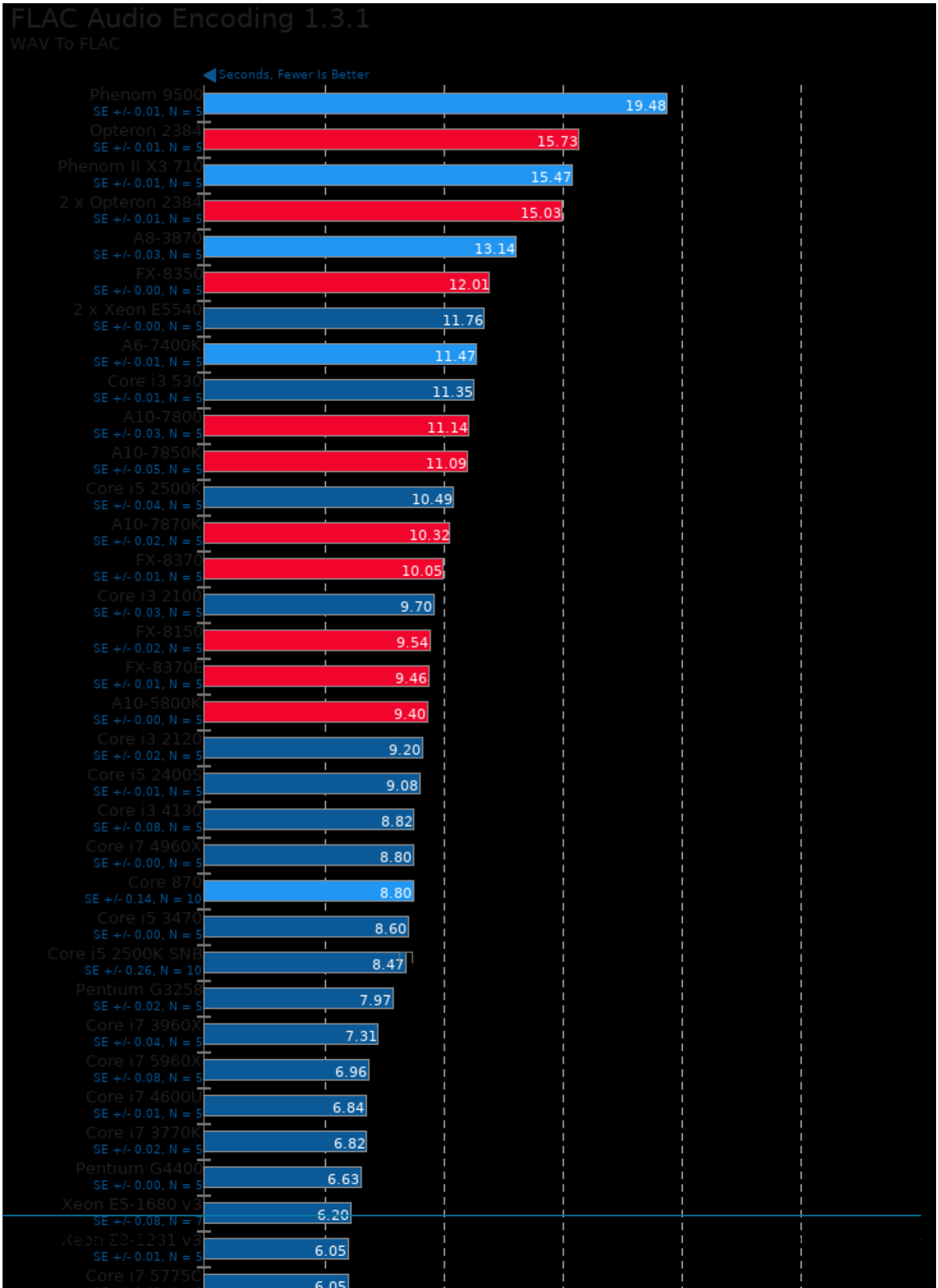

FFTW 3.3.4
Build: Float + SSE - Size: 2D FFT Size 4096
Mflops, More Is Better
Phenom 9500
SE +/- 13.60, N = 5
3023.00
Phenom II X3 710
SE +/- 4.66, N = 5
3816.28
2 x Opteron 2384
SE +/- 15.44, N = 5
4012.80
Opteron 2384
SE +/- 35.36, N = 5
4036.88
A8-3870
SE +/- 23.87, N = 5
4519.00
Core i3 530
SE +/- 35.37, N = 5
4764.94
2 x Xeon E5540
SE +/- 22.75, N = 5
4929.40
Core i3 2100
SE +/- 18.73, N = 5
5836.68
A10-7800
SE +/- 68.27, N = 5
5844.36
A6-7400K
SE +/- 60.80, N = 5
5953.98
Core i5 2500K
SE +/- 24.53, N = 5
5993.56
FX-8150
SE +/- 33.13, N = 5
6022.60
Core i7 4960X
SE +/- 271.35, N = 10
6043.94
FX-8370
SE +/- 53.59, N = 5
6148.84
Core i5 2400S
SE +/- 42.57, N = 5
6160.38
Core i3 2120
SE +/- 27.41, N = 5
6187.46
A10-7850K
SE +/- 47.78, N = 5
6277.94
Core 870
SE +/- 35.02, N = 5
6330.46
Pentium G3258
SE +/- 19.18, N = 5
6513.68
A10-5800K
SE +/- 16.10, N = 5
6555.62
FX-8370E
SE +/- 52.03, N = 5
6581.12
Core i3 4130
SE +/- 23.07, N = 5
6681.88
A10-7870K
SE +/- 23.95, N = 5
6720.98
Core i5 3470
SE +/- 33.46, N = 5
6762.20
Core i7 4600U
SE +/- 22.83, N = 5
6778.70
Core i5 2500K SNB
SE +/- 18.41, N = 5
6935.12
Core i7 5960X
SE +/- 86.62, N = 10
7059.36
FX-8350
SE +/- 42.02, N = 5
7420.62
Xeon E3-1231 v3
SE +/- 100.63, N = 6
7643.68
Core i7 3770K
SE +/- 28.53, N = 5
7658.16
Core i7 5775C
SE +/- 6.24, N = 5
7711.98
Core i5 4670
SE +/- 25.84, N = 5
7780.48
Xeon E5-1680 v3
SE +/- 19.47, N = 5
7802.24
core i7DD
7858.76

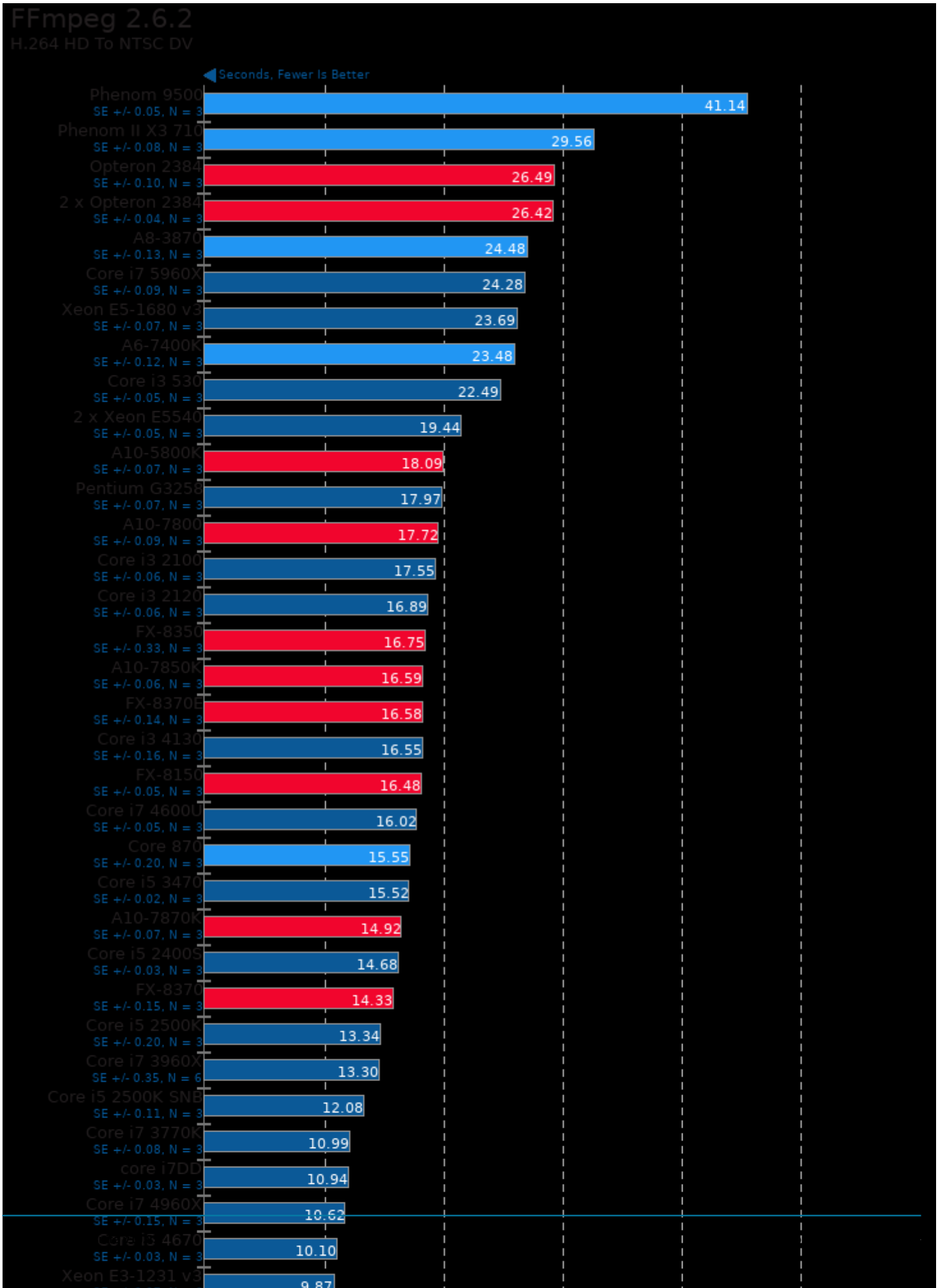

x264 2014-08-30
H.264 Video Encoding
Frames Per Second, More Is Better
A6-7400K
SE +/- 0.12, N = 5
43.05
Phenom 9500
SE +/- 0.11, N = 5
46.60
Phenom II X3 710
SE +/- 0.09, N = 5
47.20
Core i3 530
SE +/- 0.03, N = 5
54.75
Opteron 2384
SE +/- 0.14, N = 5
59.10
Core i3 2100
SE +/- 0.23, N = 5
65.68
A8-3870
SE +/- 0.38, N = 5
66.54
Pentium G3258
SE +/- 0.31, N = 5
66.97
Core i3 2120
SE +/- 0.20, N = 5
69.37
Core i3 4130
SE +/- 0.39, N = 5
78.32
Core i7 4600U
SE +/- 0.30, N = 5
82.43
A10-5800K
SE +/- 0.17, N = 5
82.64
Core i5 2400S
SE +/- 0.08, N = 5
83.54
A10-7800
SE +/- 0.45, N = 5
85.61
A10-7850K
SE +/- 0.27, N = 5
89.49
A10-7870K
SE +/- 0.30, N = 5
97.13
Core i5 2500K
SE +/- 0.36, N = 5
103.38
Core i5 2500K SNB
SE +/- 0.17, N = 5
106.45
2 x Opteron 2384
SE +/- 0.81, N = 5
109.63
Core i5 3470
SE +/- 0.40, N = 5
114.32
Core 870
SE +/- 1.00, N = 5
119.11
FX-8150
SE +/- 0.47, N = 5
139.25
FX-8370E
SE +/- 0.63, N = 5
140.15
Core i5 4670
SE +/- 0.85, N = 5
145.89
FX-8350
SE +/- 1.84, N = 5
153.52
Core i7 3770K
SE +/- 0.68, N = 5
159.78
FX-8370
SE +/- 0.97, N = 5
161.41
core i7DD
SE +/- 0.66, N = 5
161.93
2 x Xeon E5540
SE +/- 0.45, N = 5
177.50
Xeon E3-1231 v3
SE +/- 2.12, N = 5
183.93
Core i7 4770
SE +/- 1.06, N = 5
188.24
Core i7 4770K
SE +/- 1.19, N = 5
188.89
Core i7 5775C
SE +/- 0.65, N = 5
196.44
Core i7 3960X
202.50

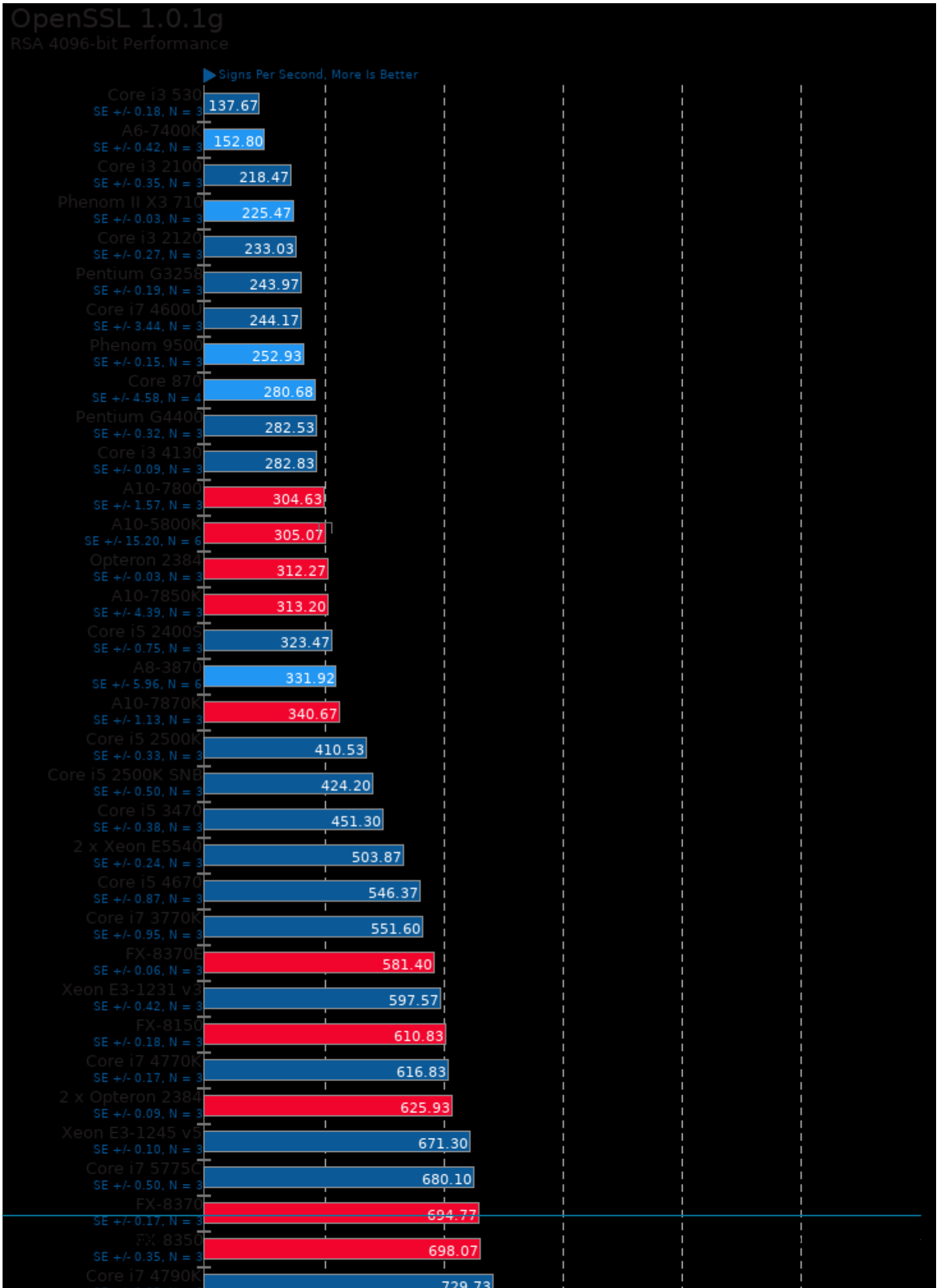

Himeno Benchmark 3.0
Poisson Pressure Solver
MFLOPS, More Is Better
Phenom 9500
SE +/- 7.01, N = 3
366.74
Opteron 2384
SE +/- 2.11, N = 3
478.64
Phenom II X3 710
SE +/- 2.86, N = 3
506.15
2 x Opteron 2384
SE +/- 2.45, N = 3
508.64
A8-3870
SE +/- 3.08, N = 3
575.49
FX-8350
SE +/- 0.99, N = 3
602.83
FX-8150
SE +/- 0.53, N = 3
682.61
FX-8370
SE +/- 0.51, N = 3
697.27
FX-8370E
SE +/- 3.07, N = 3
719.07
A10-5800K
SE +/- 3.28, N = 3
720.05
A10-7800
SE +/- 1.23, N = 3
844.16
A6-7400K
SE +/- 1.55, N = 3
856.66
A10-7850K
SE +/- 3.17, N = 3
912.84
A10-7870K
SE +/- 0.95, N = 3
965.79
Core i3 4130
SE +/- 6.83, N = 3
1096.15
Core i3 530
SE +/- 0.64, N = 3
1141.00
2 x Xeon E5540
SE +/- 0.54, N = 3
1141.28
Core i5 2500K
SE +/- 1.19, N = 3
1268.44
Core i3 2100
SE +/- 0.49, N = 3
1300.62
Core i3 2120
SE +/- 0.36, N = 3
1320.05
Core i5 3470
SE +/- 1.54, N = 3
1328.39
Core i5 2400S
SE +/- 4.66, N = 3
1356.97
Core i7 4960X
SE +/- 2.81, N = 3
1373.73
Core 870
SE +/- 4.02, N = 3
1532.25
Core i5 2500K SNB
SE +/- 0.81, N = 3
1551.50
Core i7 3770K
SE +/- 6.13, N = 3
1585.76
Pentium G3258
SE +/- 0.40, N = 3
1605.81
Core i7 4600U
SE +/- 9.70, N = 3
1685.80
Core i7 3960X
SE +/- 0.95, N = 3
1719.80
Core i7 5960X
SE +/- 3.33, N = 3
1865.53
Core i5 4670
SE +/- 32.33, N = 4
1927.10
Core i7 4770K
SE +/- 1.41, N = 3
1950.03
Xeon E3-1231 v3
SE +/- 1.25, N = 3
1955.70
core i7DD
1994.65

Intel Xeon E3-1231 v3 Ubuntu Linux Benchmarks



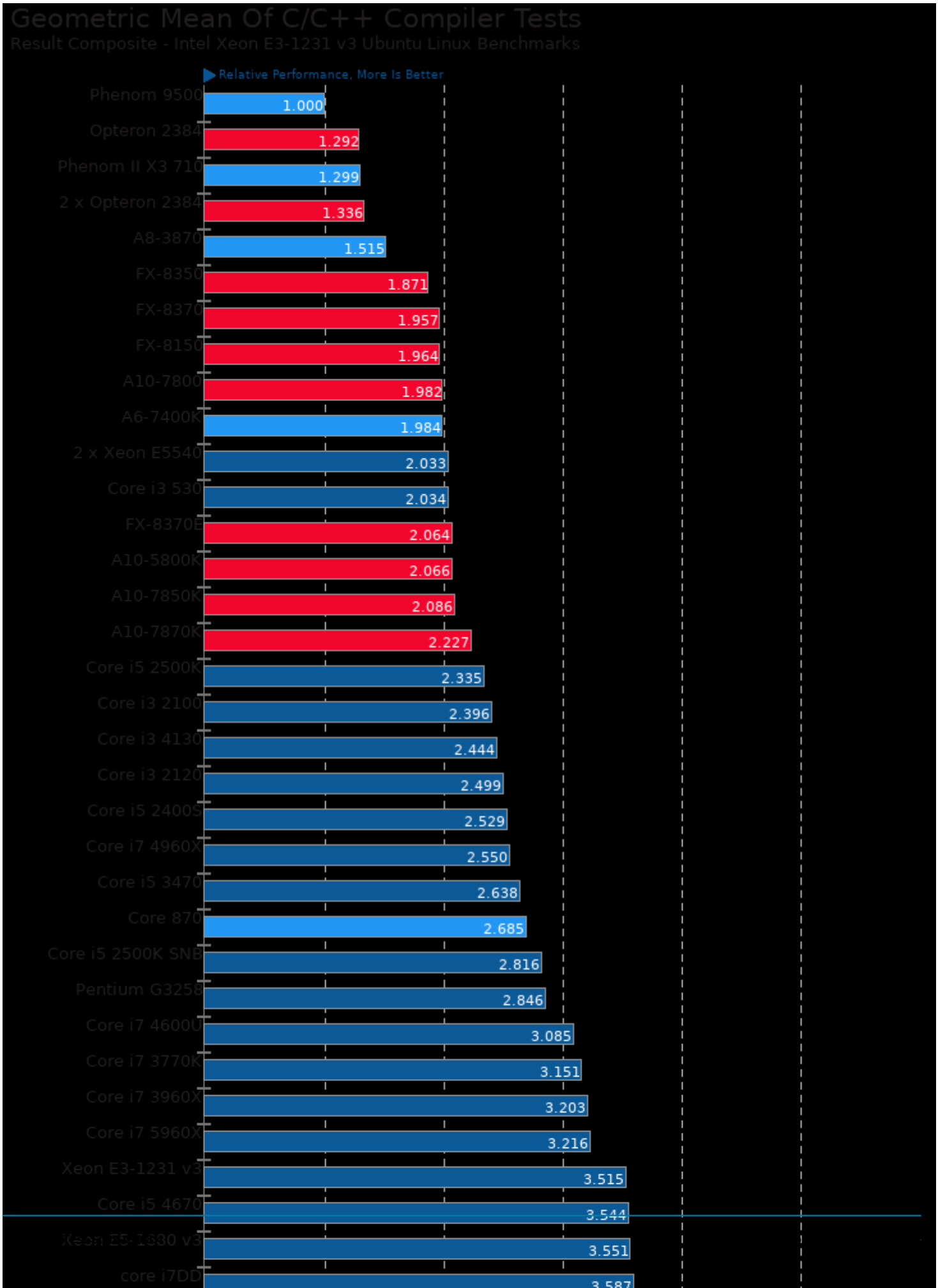

FLAC Audio Encoding 1.3.1
WAV To FLAC
Seconds, Fewer Is Better
Phenom 9500
SE +/- 0.01, N = 5
19.48
Opteron 2384
SE +/- 0.01, N = 5
15.73
Phenom II X3 710
SE +/- 0.01, N = 5
15.47
2 x Opteron 2384
SE +/- 0.01, N = 5
15.03
A8-3870
SE +/- 0.03, N = 5
13.14
FX-8350
SE +/- 0.00, N = 5
12.01
2 x Xeon E5540
SE +/- 0.00, N = 5
11.76
A6-7400K
SE +/- 0.01, N = 5
11.47
Core i3 530
SE +/- 0.01, N = 5
11.35
A10-7800
SE +/- 0.03, N = 5
11.14
A10-7850K
SE +/- 0.05, N = 5
11.09
Core i5 2500K
SE +/- 0.04, N = 5
10.49
A10-7870K
SE +/- 0.02, N = 5
10.32
FX-8370
SE +/- 0.01, N = 5
10.05
Core i3 2100
SE +/- 0.03, N = 5
9.70
FX-8150
SE +/- 0.02, N = 5
9.54
FX-8370E
SE +/- 0.01, N = 5
9.46
A10-5800K
SE +/- 0.00, N = 5
9.40
Core i3 2120
SE +/- 0.02, N = 5
9.20
Core i5 2400S
SE +/- 0.01, N = 5
9.08
Core i3 4130
SE +/- 0.08, N = 5
8.82
Core i7 4960X
SE +/- 0.00, N = 5
8.80
Core 870
SE +/- 0.14, N = 10
8.80
Core i5 3470
SE +/- 0.00, N = 5
8.60
Core i5 2500K SNB
SE +/- 0.26, N = 10
8.47
Pentium G3258
SE +/- 0.02, N = 5
7.97
Core i7 3960X
SE +/- 0.04, N = 5
7.31
Core i7 5960X
SE +/- 0.08, N = 5
6.96
Core i7 4600U
SE +/- 0.01, N = 5
6.84
Core i7 3770K
SE +/- 0.02, N = 5
6.82
Pentium G4400
SE +/- 0.00, N = 5
6.63
Xeon E5-1680 v3
SE +/- 0.08, N = 7
6.20
Xeon E3-1231 v3
SE +/- 0.01, N = 5
6.05
Core i7 5775C
6.05


FFmpeg 2.6.2
H.264 HD To NTSC DV
Seconds, Fewer Is Better
Phenom 9500
SE +/- 0.05, N = 3
41.14
Phenom II X3 710
SE +/- 0.08, N = 3
29.56
Opteron 2384
SE +/- 0.10, N = 3
26.49
2 x Opteron 2384
SE +/- 0.04, N = 3
26.42
A8-3870
SE +/- 0.13, N = 3
24.48
Core i7 5960X
SE +/- 0.09, N = 3
24.28
Xeon E5-1680 v3
SE +/- 0.07, N = 3
23.69
A6-7400K
SE +/- 0.12, N = 3
23.48
Core i3 530
SE +/- 0.05, N = 3
22.49
2 x Xeon E5540
SE +/- 0.05, N = 3
19.44
A10-5800K
SE +/- 0.07, N = 3
18.09
Pentium G3258
SE +/- 0.07, N = 3
17.97
A10-7800
SE +/- 0.09, N = 3
17.72
Core i3 2100
SE +/- 0.06, N = 3
17.55
Core i3 2120
SE +/- 0.06, N = 3
16.89
FX-8350
SE +/- 0.33, N = 3
16.75
A10-7850K
SE +/- 0.06, N = 3
16.59
FX-8370E
SE +/- 0.14, N = 3
16.58
Core i3 4130
SE +/- 0.16, N = 3
16.55
FX-8150
SE +/- 0.05, N = 3
16.48
Core i7 4600U
SE +/- 0.05, N = 3
16.02
Core 870
SE +/- 0.20, N = 3
15.55
Core i5 3470
SE +/- 0.02, N = 3
15.52
A10-7870K
SE +/- 0.07, N = 3
14.92
Core i5 2400S
SE +/- 0.03, N = 3
14.68
FX-8370
SE +/- 0.15, N = 3
14.33
Core i5 2500K
SE +/- 0.20, N = 3
13.34
Core i7 3960X
SE +/- 0.35, N = 6
13.30
Core i5 2500K SNB
SE +/- 0.11, N = 3
12.08
Core i7 3770K
SE +/- 0.08, N = 3
10.99
core i7DD
SE +/- 0.03, N = 3
10.94
Core i7 4960X
SE +/- 0.15, N = 3
10.62
Core i5 4670
SE +/- 0.03, N = 3
10.10
Xeon E3-1231 v3
9.87


OpenSSL 1.0.1g
RSA 4096-bit Performance
Signs Per Second, More Is Better
Core i3 530
SE +/- 0.18, N = 3
137.67
A6-7400K
SE +/- 0.42, N = 3
152.80
Core i3 2100
SE +/- 0.35, N = 3
218.47
Phenom II X3 710
SE +/- 0.03, N = 3
225.47
Core i3 2120
SE +/- 0.27, N = 3
233.03
Pentium G3258
SE +/- 0.19, N = 3
243.97
Core i7 4600U
SE +/- 3.44, N = 3
244.17
Phenom 9500
SE +/- 0.15, N = 3
252.93
Core 870
SE +/- 4.58, N = 4
280.68
Pentium G4400
SE +/- 0.32, N = 3
282.53
Core i3 4130
SE +/- 0.09, N = 3
282.83
A10-7800
SE +/- 1.57, N = 3
304.63
A10-5800K
SE +/- 15.20, N = 6
305.07
Opteron 2384
SE +/- 0.03, N = 3
312.27
A10-7850K
SE +/- 4.39, N = 3
313.20
Core i5 2400S
SE +/- 0.75, N = 3
323.47
A8-3870
SE +/- 5.96, N = 6
331.92
A10-7870K
SE +/- 1.13, N = 3
340.67
Core i5 2500K
SE +/- 0.33, N = 3
410.53
Core i5 2500K SNB
SE +/- 0.50, N = 3
424.20
Core i5 3470
SE +/- 0.38, N = 3
451.30
2 x Xeon E5540
SE +/- 0.24, N = 3
503.87
Core i5 4670
SE +/- 0.87, N = 3
546.37
Core i7 3770K
SE +/- 0.95, N = 3
551.60
FX-8370E
SE +/- 0.06, N = 3
581.40
Xeon E3-1231 v3
SE +/- 0.42, N = 3
597.57
FX-8150
SE +/- 0.18, N = 3
610.83
Core i7 4770K
SE +/- 0.17, N = 3
616.83
2 x Opteron 2384
SE +/- 0.09, N = 3
625.93
Xeon E3-1245 v5
SE +/- 0.10, N = 3
671.30
Core i7 5775C
SE +/- 0.50, N = 3
680.10
FX-8370
SE +/- 0.17, N = 3
694.77
FX-8350
SE +/- 0.35, N = 3
698.07
Core i7 4790K
729.73

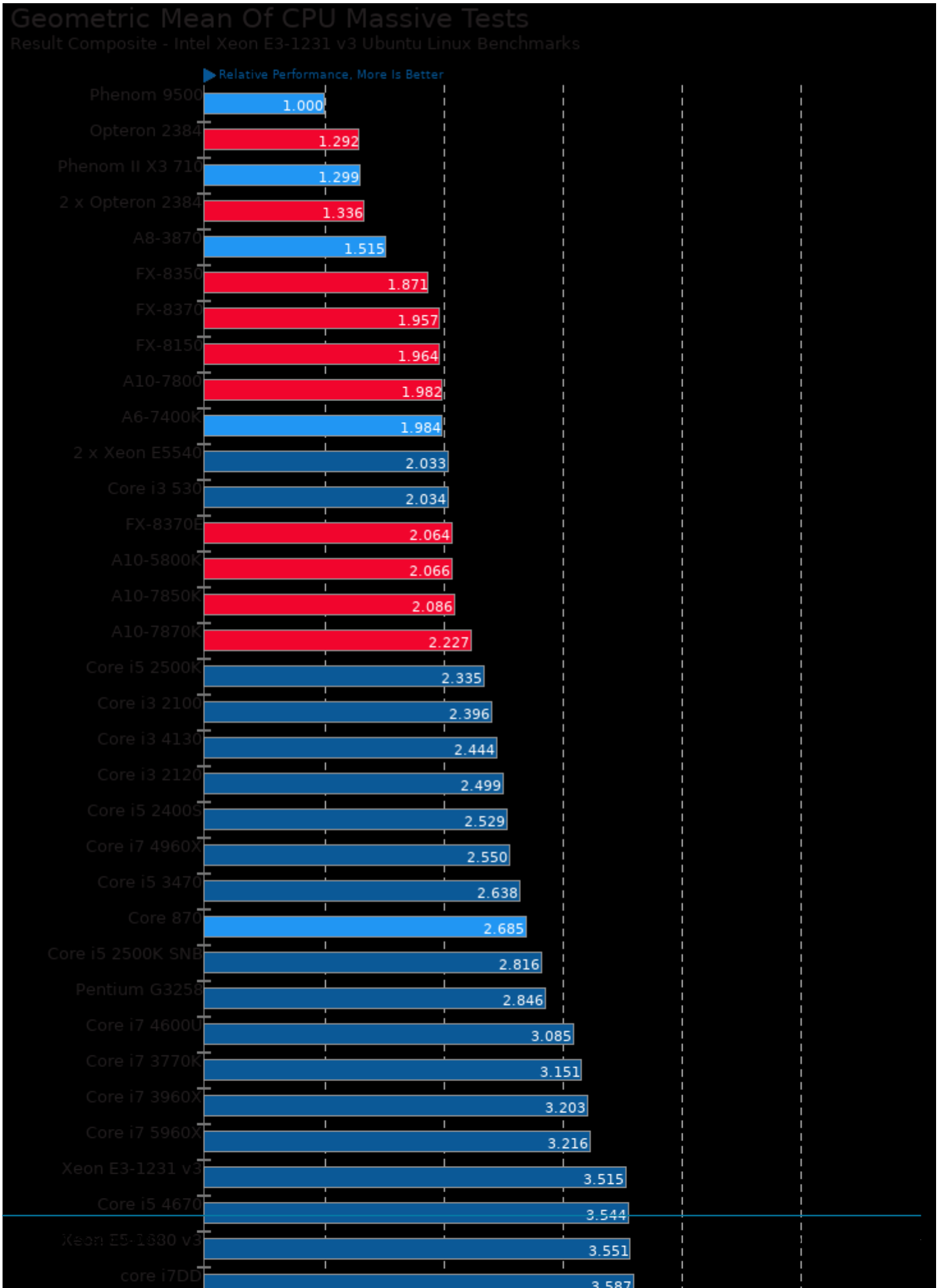
Intel Xeon E3-1231 v3 Ubuntu Linux Benchmarks

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


Geometric Mean Of C/C++ Compiler Tests
Result Composite - Intel Xeon E3-1231 v3 Ubuntu Linux Benchmarks
Relative Performance, More Is Better
Phenom 9500 1.000
Opteron 2384 1.292
Phenom II X3 710 1.299
2 x Opteron 2384 1.336
A8-3870 1.515
FX-8350 1.871
FX-8370 1.957
FX-8150 1.964
A10-7800 1.982
A6-7400K 1.984
2 x Xeon E5540 2.033
Core i3 530 2.034
FX-8370E 2.064
A10-5800K 2.066
A10-7850K 2.086
A10-7870K 2.227
Core i5 2500K 2.335
Core i3 2100 2.396
Core i3 4130 2.444
Core i3 2120 2.499
Core i5 2400S 2.529
Core i7 4960X 2.550
Core i5 3470 2.638
Core 870 2.685
Core i5 2500K SNB 2.816
Pentium G3258 2.846
Core i7 4600U 3.085
Core i7 3770K 3.151
Core i7 3960X 3.203
Core i7 5960X 3.216
Xeon E3-1231 v3 3.515
Core i5 4670 3.544
Xeon E5-1680 v3 3.551
core i7DD 3.587

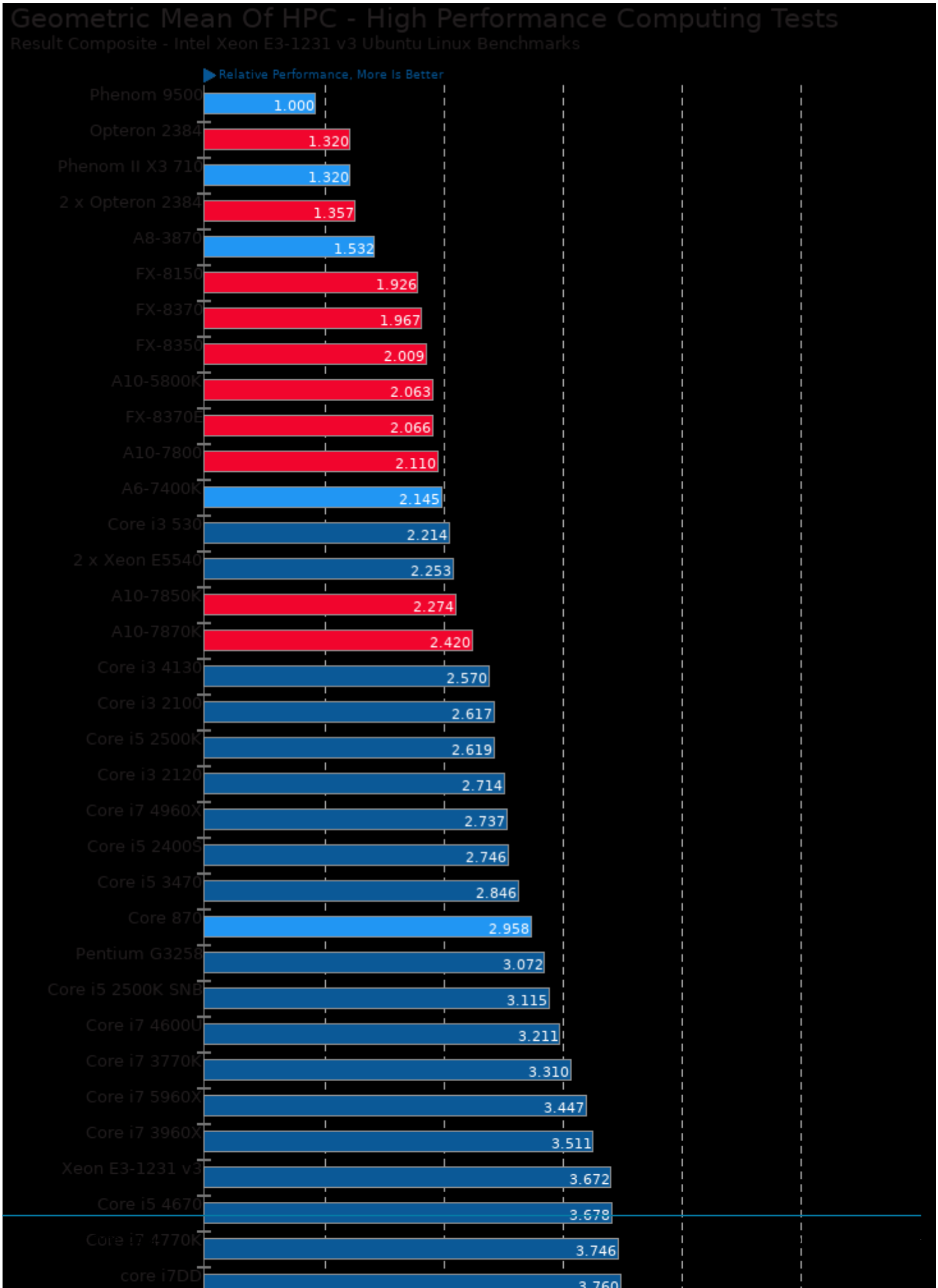
Intel Xeon E3-1231 v3 Ubuntu Linux Benchmarks

Geometric mean based upon tests: pts/fftw, pts/himeno, pts/encode-flac, pts/x264 and pts/openssl


Geometric Mean Of CPU Massive Tests
Result Composite - Intel Xeon E3-1231 v3 Ubuntu Linux Benchmarks
Relative Performance, More Is Better
Phenom 9500 1.000
Opteron 2384 1.292
Phenom II X3 710 1.299
2 x Opteron 2384 1.336
A8-3870 1.515
FX-8350 1.871
FX-8370 1.957
FX-8150 1.964
A10-7800 1.982
A6-7400K 1.984
2 x Xeon E5540 2.033
Core i3 530 2.034
FX-8370E 2.064
A10-5800K 2.066
A10-7850K 2.086
A10-7870K 2.227
Core i5 2500K 2.335
Core i3 2100 2.396
Core i3 4130 2.444
Core i3 2120 2.499
Core i5 2400S 2.529
Core i7 4960X 2.550
Core i5 3470 2.638
Core 870 2.685
Core i5 2500K SNB 2.816
Pentium G3258 2.846
Core i7 4600U 3.085
Core i7 3770K 3.151
Core i7 3960X 3.203
Core i7 5960X 3.216
Xeon E3-1231 v3 3.515
Core i5 4670 3.544
Xeon E5-1680 v3 3.551
core i7DD 3.587

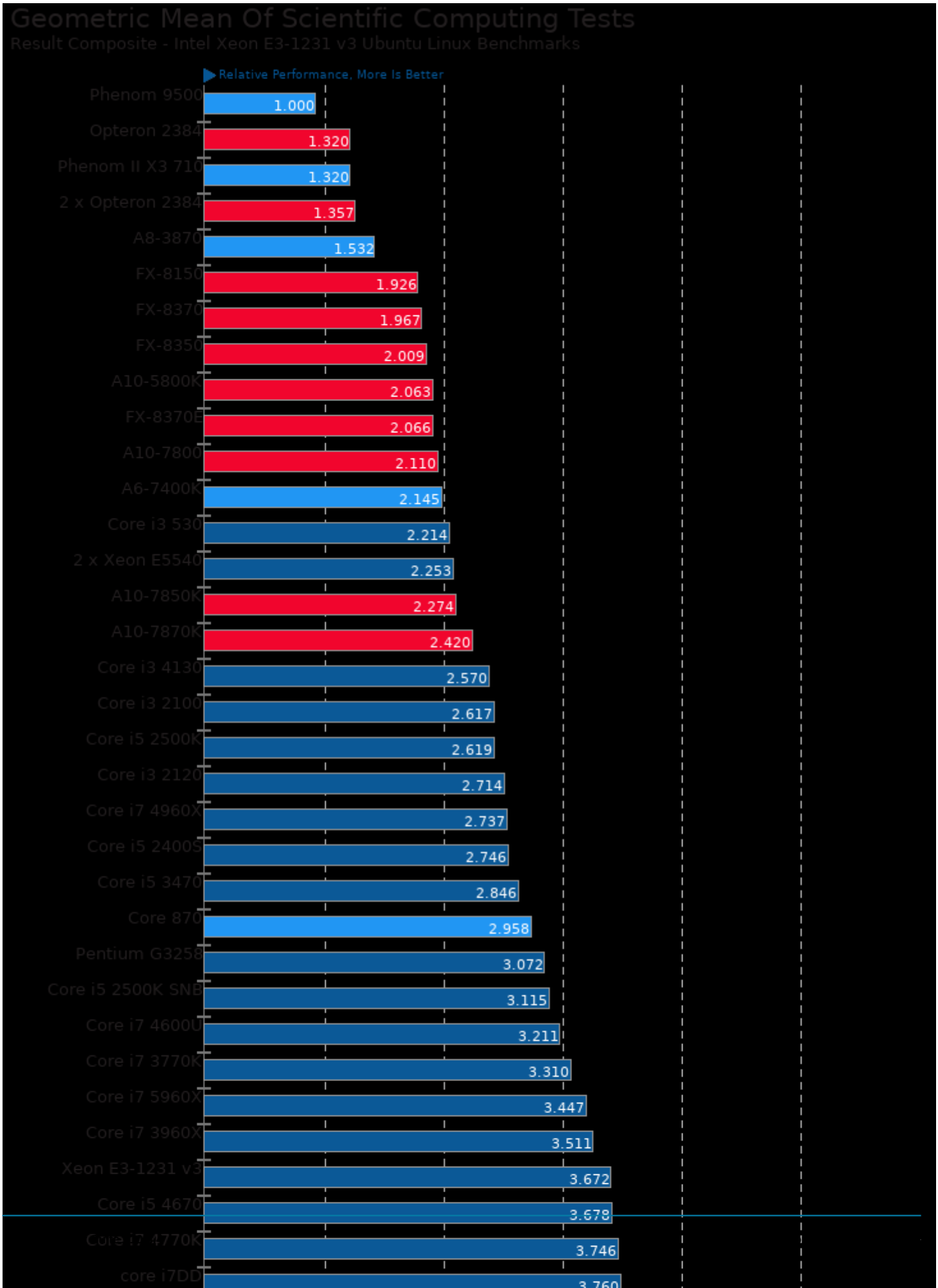
Intel Xeon E3-1231 v3 Ubuntu Linux Benchmarks

Geometric mean based upon tests: pts/build-linux-kernel, pts/x264, pts/encode-flac, pts/fftw, pts/himeno and pts/openssl


Geometric Mean Of HPC - High Performance Computing Tests
Result Composite - Intel Xeon E3-1231 v3 Ubuntu Linux Benchmarks
Relative Performance, More Is Better
Phenom 9500
1.000
Opteron 2384
1.320
Phenom II X3 710
1.320
2 x Opteron 2384
1.357
A8-3870
1.532
FX-8150
1.926
FX-8370
1.967
FX-8350
2.009
A10-5800K
2.063
FX-8370E
2.066
A10-7800
2.110
A6-7400K
2.145
Core i3 530
2.214
2 x Xeon E5540
2.253
A10-7850K
2.274
A10-7870K
2.420
Core i3 4130
2.570
Core i3 2100
2.617
Core i5 2500K
2.619
Core i3 2120
2.714
Core i7 4960X
2.737
Core i5 2400S
2.746
Core i5 3470
2.846
Core 870
2.958
Pentium G3258
3.072
Core i5 2500K SNB
3.115
Core i7 4600U
3.211
Core i7 3770K
3.310
Core i7 5960X
3.447
Core i7 3960X
3.511
Xeon E3-1231 v3
3.672
Core i5 4670
3.678
Core i7 4770K
3.746
core i7DD
3.760

Intel Xeon E3-1231 v3 Ubuntu Linux Benchmarks

Geometric mean based upon tests: pts/fftw and pts/himeno


Geometric Mean Of Scientific Computing Tests
Result Composite - Intel Xeon E3-1231 v3 Ubuntu Linux Benchmarks
Relative Performance, More Is Better
Phenom 9500 1.000
Opteron 2384 1.320
Phenom II X3 710 1.320
2 x Opteron 2384 1.357
A8-3870 1.532
FX-8150 1.926
FX-8370 1.967
FX-8350 2.009
A10-5800K 2.063
FX-8370E 2.066
A10-7800 2.110
A6-7400K 2.145
Core i3 530 2.214
2 x Xeon E5540 2.253
A10-7850K 2.274
A10-7870K 2.420
Core i3 4130 2.570
Core i3 2100 2.617
Core i5 2500K 2.619
Core i3 2120 2.714
Core i7 4960X 2.737
Core i5 2400S 2.746
Core i5 3470 2.846
Core 870 2.958
Pentium G3258 3.072
Core i5 2500K SNB 3.115
Core i7 4600U 3.211
Core i7 3770K 3.310
Core i7 5960X 3.447
Core i7 3960X 3.511
Xeon E3-1231 v3 3.672
Core i5 4670 3.678
Core i7 4770K 3.746
core i7DD 3.760

Intel Xeon E3-1231 v3 Ubuntu Linux Benchmarks

Geometric mean based upon tests: pts/fftw and pts/himeno

This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 16:53.