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Intel Core i5-4670K testing with a ASUS H87-PLUS (0607 BIOS) and ASUS Intel Xeon E3-1200 v3/4th Gen Core IGP on Artix Linux via the Phoronix Test Suite.

Test Systems:

DawsonArch2

Processor: Intel Core i5-4670K @ 3.80GHz (4 Cores), Motherboard: ASUS H87-PLUS (0607 BIOS), Chipset: Intel 4th Gen Core DRAM, Memory: 12GB, Disk: 1000GB Seagate ST1000DM003-1CH1 + 250GB Samsung SSD 850 + 2000GB Seagate ST2000DM006-2DM1, Graphics: ASUS Intel Xeon E3-1200 v3/4th Gen Core IGP (1200MHz), Audio: Intel Xeon E3-1200 v3/4th, Monitor: DELL P2411H, Network: Realtek RTL8111/8168/8411

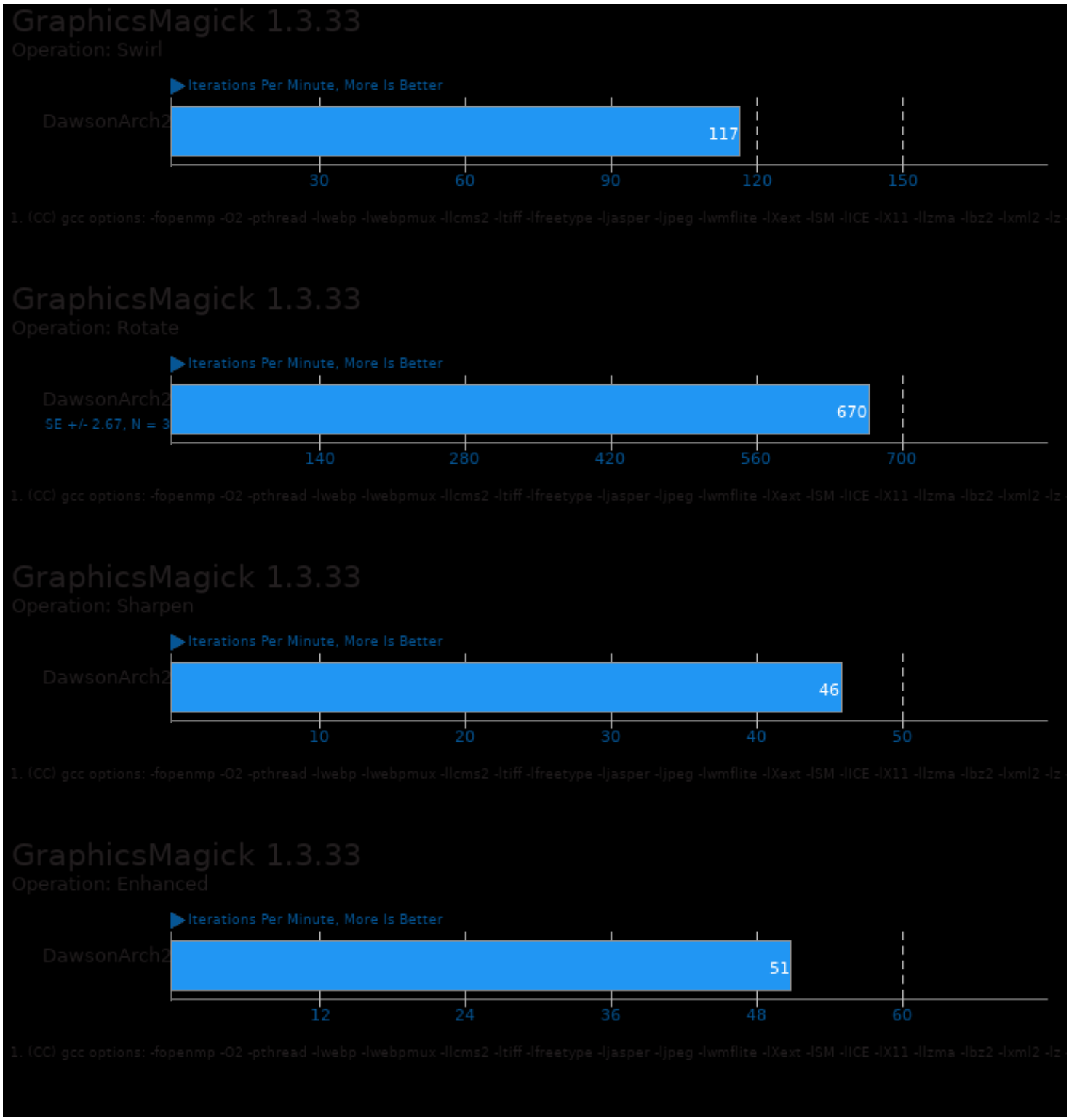
OS: Artix Linux, Kernel: 5.4.86-1-lts (x86_64), Desktop: Xfce 4.16, Display Server: X Server, Compiler: GCC 10.2.0, File-System: ext4, Screen Resolution: 1920x1080

Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man

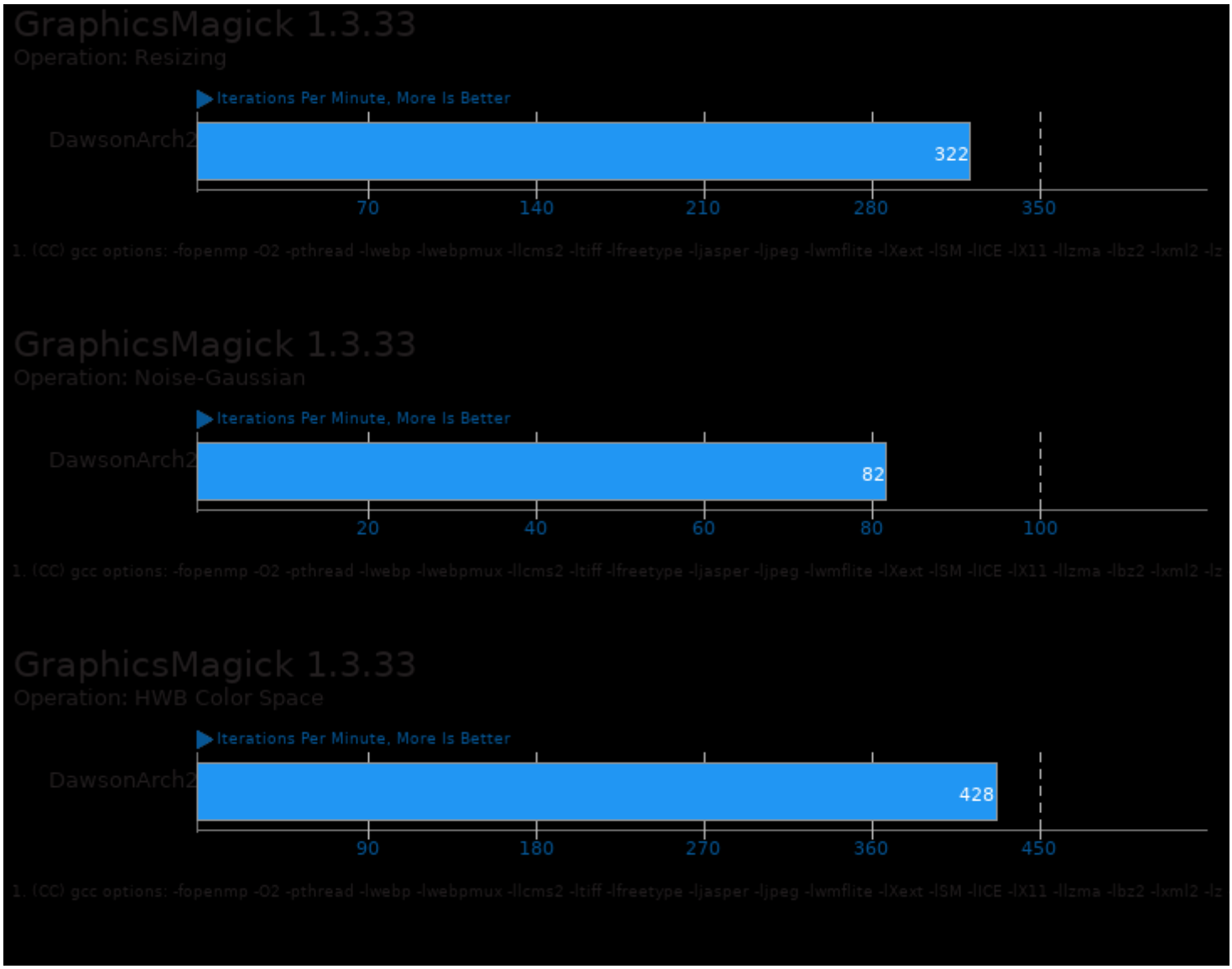
--with-isl --with-linker-hash-style=gnu
Processor Notes: Scaling Governor: intel_pstate powersave - CPU Microcode: 0x28
Security Notes: itlb_multihit: KVM: Mitigation of Split huge pages + l1tf: Mitigation of PTE Inversion; VMX: conditional cache flushes SMT disabled + mds: Mitigation of Clear buffers; SMT disabled + meltdown: Mitigation of PTI + spec_store_bypass: Mitigation of SSB disabled via prctl and seccomp + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Full generic retpoline IBPB: conditional IBRS_FW STIBP: disabled RSB filling + srbds: Mitigation of Microcode + tsx_async_abort: Not affected

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GraphicsMagick - Swirl (Iterations/min)	117
GraphicsMagick - Rotate (Iterations/min)	670
Standard Deviation	0.7%
GraphicsMagick - Sharpen (Iterations/min)	46
GraphicsMagick - Enhanced (Iterations/min)	51
GraphicsMagick - Resizing (Iterations/min)	322
GraphicsMagick - Noise-Gaussian (Iterations/min)	82
GraphicsMagick - HWB Color Space (Iterations/min)	428

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GraphicsMagick 1.3.33
Operation: Swirl
Iterations Per Minute, More Is Better
DawsonArch2
117
30
60
90
120
150
1. (CC) gcc options: -fopenmp -O2 -pthread -lwebp -lwebpmux -llcms2 -ltiff -lfreetype -ljasper -ljpeg -lwmflite -lXext -lSM -lICE -lX11 -llzma -lbz2 -lxml2 -lz
GraphicsMagick 1.3.33
Operation: Rotate
Iterations Per Minute, More Is Better
DawsonArch2
SE +/- 2.67, N = 3
670
140
280
420
560
700
1. (CC) gcc options: -fopenmp -O2 -pthread -lwebp -lwebpmux -llcms2 -ltiff -lfreetype -ljasper -ljpeg -lwmflite -lXext -lSM -lICE -lX11 -llzma -lbz2 -lxml2 -lz
GraphicsMagick 1.3.33
Operation: Sharpen
Iterations Per Minute, More Is Better
DawsonArch2
46
10
20
30
40
50
1. (CC) gcc options: -fopenmp -O2 -pthread -lwebp -lwebpmux -llcms2 -ltiff -lfreetype -ljasper -ljpeg -lwmflite -lXext -lSM -lICE -lX11 -llzma -lbz2 -lxml2 -lz
GraphicsMagick 1.3.33
Operation: Enhanced
Iterations Per Minute, More Is Better
DawsonArch2
51
12
24
36
48
60
1. (CC) gcc options: -fopenmp -O2 -pthread -lwebp -lwebpmux -llcms2 -ltiff -lfreetype -ljasper -ljpeg -lwmflite -lXext -lSM -lICE -lX11 -llzma -lbz2 -lxml2 -lz

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This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 10:52.