

www.phoronix-test-suite.com

Intel Compute Stick Linux Tests

Intel Atom Z3735F testing with a Intel STCK1A32WFCR and Intel Atom Z36xxx/Z37xxx & Display on Ubuntu 15.04 via the Phoronix Test Suite.

Test Systems:

Intel Atom Z3735F

Processor: Intel Atom Z3735F @ 1.83GHz (4 Cores), Motherboard: Intel STCK1A32WFCR, Chipset: Intel Atom Z36xxx/Z37xxx, Memory: 2048MB, Disk: 31GB S10032, Graphics: Intel Atom Z36xxx/Z37xxx & Display (645MHz), Monitor: VE228

OS: Ubuntu 15.04, Kernel: 4.1.0-999-generic (x86_64) 20150527, Desktop: Unity 7.3.2, Display Server: X Server 1.17.1, Display Driver: intel 2.99.917, OpenGL: 3.3 Mesa 10.5.2, Compiler: GCC 4.9.2, 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

Intel Compute Stick Linux Tests

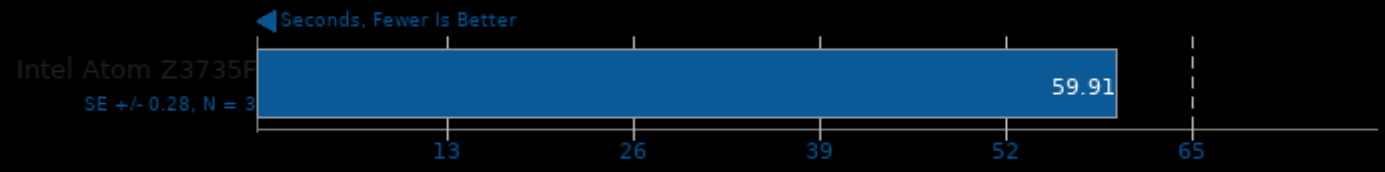
--host=x86_64-linux-gnu --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-arch-directory=amd64 --with-multilib-list=m32,m64,mx32 --with-tune=generic -v
Processor Notes: Scaling Governor: intel_pstate powersave

	Intel Atom Z3735F
Timed HMMer Search - P.D.S (sec)	59.91
Standard Deviation	0.8%
Timed MAFFT Alignment - M.S.A (sec)	29.91
Standard Deviation	5.3%
VP8 libvpx Encoding - vpxenc (FPS)	12.61
Standard Deviation	0.3%
x264 - H.2.V.E (FPS)	19.30
Standard Deviation	3.3%
GraphicsMagick - Blur (Iterations/min)	26
Standard Deviation	4.2%
GraphicsMagick - Sharpen (Iterations/min)	17
Standard Deviation	14.9%
GraphicsMagick - Resizing (Iterations/min)	39
Standard Deviation	11%
GraphicsMagick - HWB Color Space (Iterations/min)	48
Standard Deviation	0%
GraphicsMagick - L.A.T (Iterations/min)	25
Standard Deviation	13.2%
Himeno Benchmark - P.P.S (MFLOPS)	463.61
Standard Deviation	0.5%
FLAC Audio Encoding - WAV To FLAC (sec)	34.72
Standard Deviation	1.1%
LAME MP3 Encoding - WAV To MP3 (sec)	50.56
Standard Deviation	0.6%
FFmpeg - H.2.H.T.N.D (sec)	58.43
Standard Deviation	1.1%
Apache Benchmark - S.W.P.S (Reqs/sec)	3769
Standard Deviation	1.1%

Intel Compute Stick Linux Tests

Timed HMMer Search 2.3.2

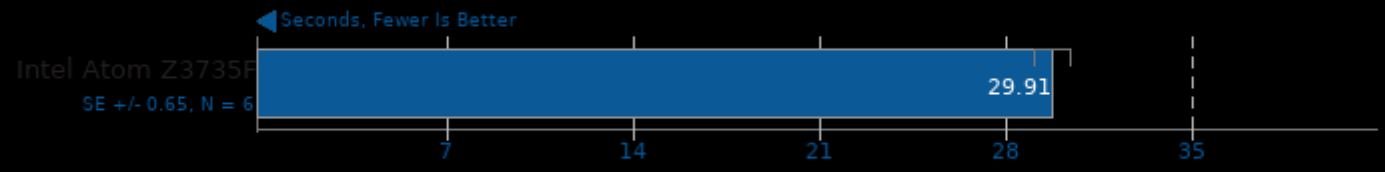
Pfam Database Search



1. (CC) gcc options: -O2 -pthread -lhmmer -lsquid -lm

Timed MAFFT Alignment 6.864

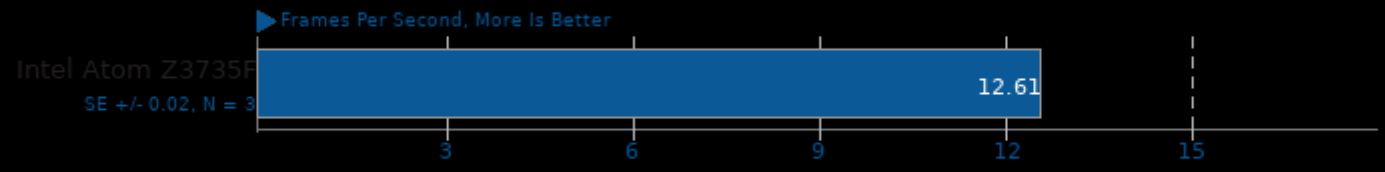
Multiple Sequence Alignment



1. (CC) gcc options: -O3 -lm -lpthread

VP8 libvpx Encoding 1.3.0

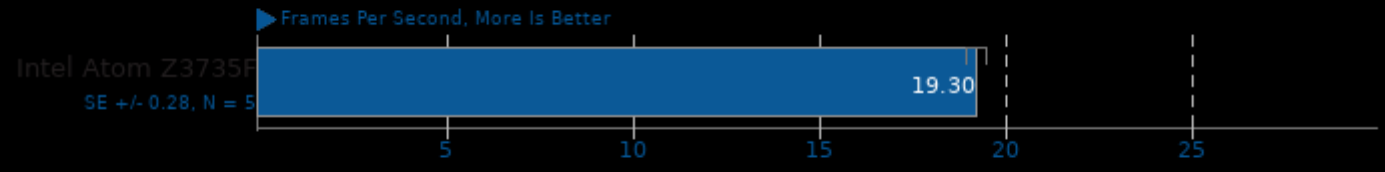
vpxenc



1. (CXX) g++ options: -m64 -lvpx -lgtest -lpthread -lm -O3 -U_FORTIFY_SOURCE

x264 2014-08-30

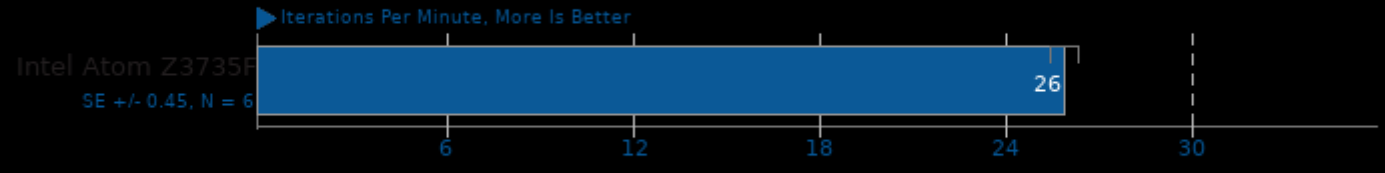
H.264 Video Encoding



1. (CC) gcc options: -ldl -m64 -lm -lpthread -O3 -ffast-math -std=gnu99 -fomit-frame-pointer -fno-tree-vectorize

GraphicsMagick 1.3.19

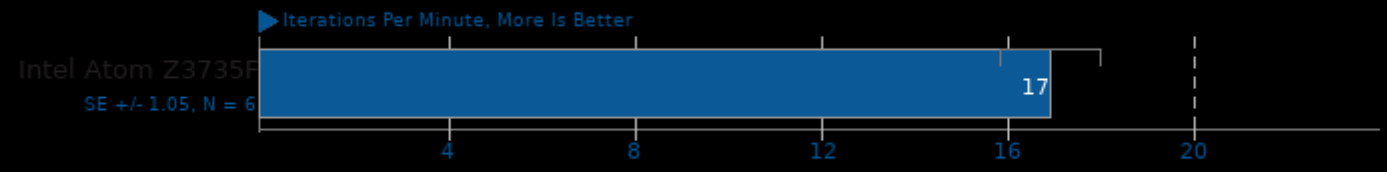
Operation: Blur



1. (CC) gcc options: -std=gnu99 -fopenmp -O2 -pthread -lXext -lSM -lICE -lX11 -lz -lm -lgomp -lpthread

GraphicsMagick 1.3.19

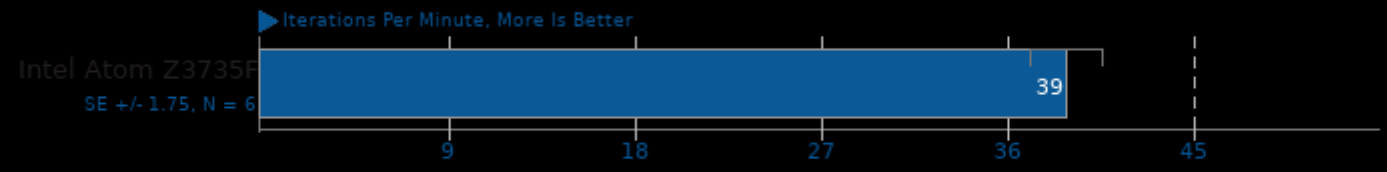
Operation: Sharpen



1. (CC) gcc options: -std=gnu99 -fopenmp -O2 -pthread -lXext -lSM -lICE -lX11 -lz -lm -lgomp -lpthread

GraphicsMagick 1.3.19

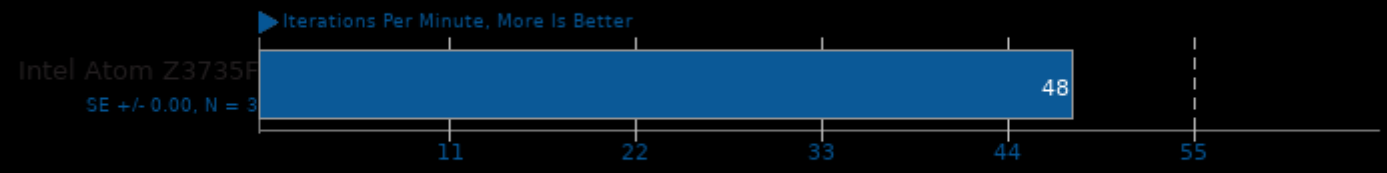
Operation: Resizing



1. (CC) gcc options: -std=gnu99 -fopenmp -O2 -pthread -lXext -lSM -lICE -lX11 -lz -lm -lgomp -lpthread

GraphicsMagick 1.3.19

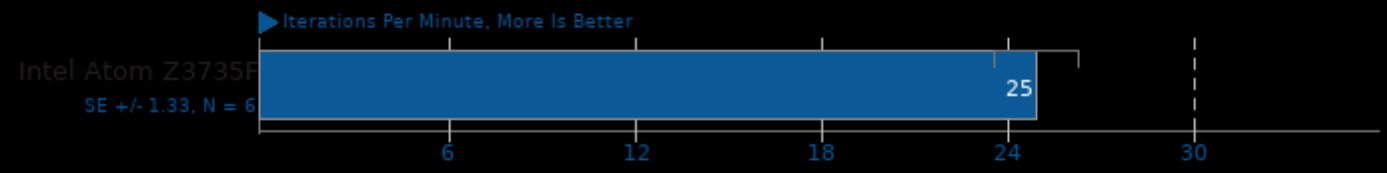
Operation: HWB Color Space



1. (CC) gcc options: -std=gnu99 -fopenmp -O2 -pthread -lXext -lSM -lICE -lX11 -lz -lm -lgomp -lpthread

GraphicsMagick 1.3.19

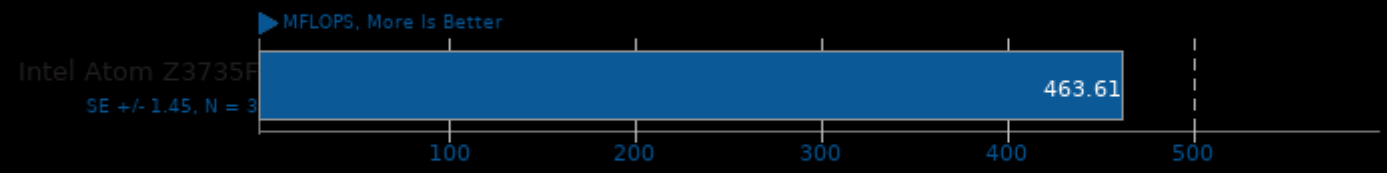
Operation: Local Adaptive Thresholding



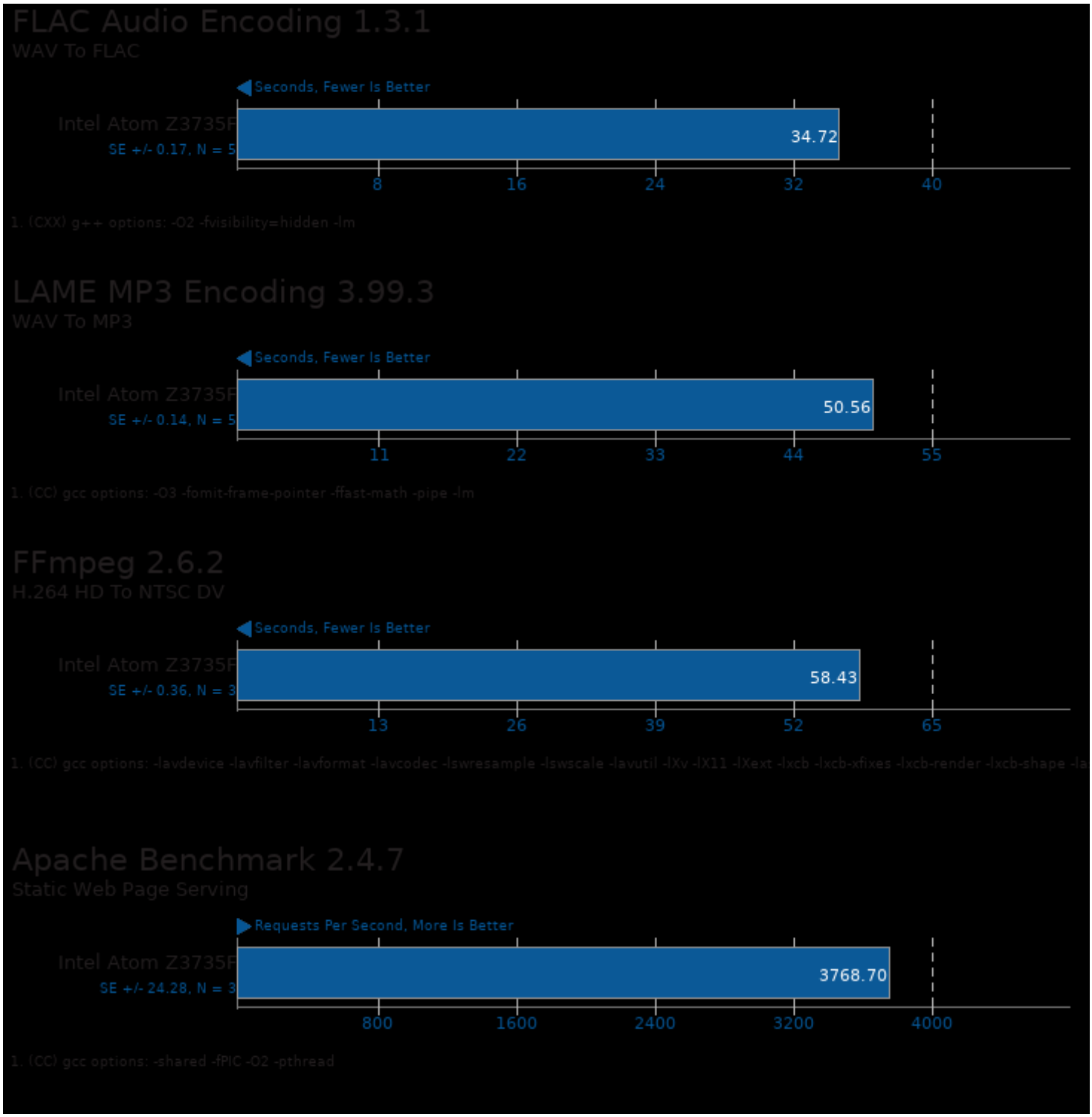
1. (CC) gcc options: -std=gnu99 -fopenmp -O2 -pthread -lXext -lSM -lICE -lX11 -lz -lm -lgomp -lpthread

Himeno Benchmark 3.0

Poisson Pressure Solver



1. (CC) gcc options: -O3



This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 06:10.