

www.phoronix-test-suite.com

2022-08-18-2256

Intel Core 2 Quad Q9550 testing with a Gigabyte G33M-S2L (F3K BIOS) and Gigabyte Intel 82G33/G31 IGP on Linuxmint 20.2 via the Phoronix Test Suite.

Test Systems:

Intel Core 2 Quad Q9550 #1

Processor: Intel Core 2 Quad Q9550 @ 2.83GHz (4 Cores), Motherboard: Gigabyte G33M-S2L (F3K BIOS), Chipset: Intel 82G33/G31/P35/P31 + ICH9, Memory: 4 x 2048 MB 800MT/s, Disk: Transcend 32GB, Graphics: Gigabyte Intel 82G33/G31 IGP, Audio: Realtek ALC662 rev1, Network: Realtek RTL8111/8168/8411

OS: Linuxmint 20.2, Kernel: 5.4.0-74-generic (x86_64), Display Server: X Server 1.20.11, Compiler: GCC 9.3.0, File-System: overlayfs, Screen Resolution: 1920x1080

Kernel Notes: Transparent Huge Pages: madvise
Processor Notes: Scaling Governor: acpi-cpufreq performance - CPU Microcode: 0xa0b
Security Notes: itlb_multihit: KVM: Mitigation of Split huge pages + l1tf: Mitigation of PTE Inversion; VMX: EPT disabled + mds: Vulnerable: Clear buffers attempted no microcode; SMT disabled + meltdown: Mitigation of PTI + spec_store_bypass: Vulnerable + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Full generic retpoline STIBP: disabled RSB filling + srbds: Not affected + tsx_async_abort: Not affected

Intel Core 2 Quad Q9550 #2

Intel Core 2 Quad Q9550 #3

Intel Core 2 Quad Q9550 #4

Intel Core 2 Quad Q9550 #5

Intel Core 2 Quad Q9550 #6

Intel Core 2 Quad Q9550 #7

Intel Core 2 Quad Q9550 #8

Intel Core 2 Quad Q9550 #9

Intel Core 2 Quad Q9550 #10

Intel Core 2 Quad Q9550 #11

4 x 2048 MB 800MT #1

4 x 2048 MB 800MT #2

Processor: Intel Core 2 Quad Q9550 @ 2.83GHz (4 Cores), Motherboard: Gigabyte G33M-S2L (F3K BIOS), Chipset: Intel 82G33/G31/P35/P31 + ICH9, Memory: 4 x 2048 MB 800MT/s, Disk: Transcend 32GB, Graphics: Gigabyte Intel 82G33/G31 IGP, Audio: Realtek ALC662 rev1, Network: Realtek RTL8111/8168/8411

OS: Linuxmint 20.2, Kernel: 5.4.0-74-generic (x86_64), Display Server: X Server 1.20.11, Vulkan: 1.0.2, Compiler: GCC 9.4.0, File-System: overlayfs, Screen Resolution: 1920x1080

Kernel Notes: Transparent Huge Pages: madvise
Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++,gm2 --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none=/build/gcc-9-Av3uEd/gcc-9-9.4.0/debian/tmp-nvptx/usr,hsa --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --program-prefix=x86_64-linux-gnu- --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-default-libstdcxx-abi=new --with-gcc-major-version-only --with-multilib-list=m32,m64,mx32 --with-target-system-zlib=auto --with-tune=generic --without-cuda-driver -v
Processor Notes: Scaling Governor: acpi-cpufreq performance - CPU Microcode: 0xa0b
Security Notes: itlb_multihit: KVM: Mitigation of Split huge pages + l1tf: Mitigation of PTE Inversion; VMX: EPT disabled + mds: Vulnerable: Clear buffers attempted no microcode; SMT disabled + meltdown: Mitigation of PTI + spec_store_bypass: Vulnerable + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Full generic retpoline STIBP: disabled RSB filling + srbds: Not affected + tsx_async_abort: Not affected

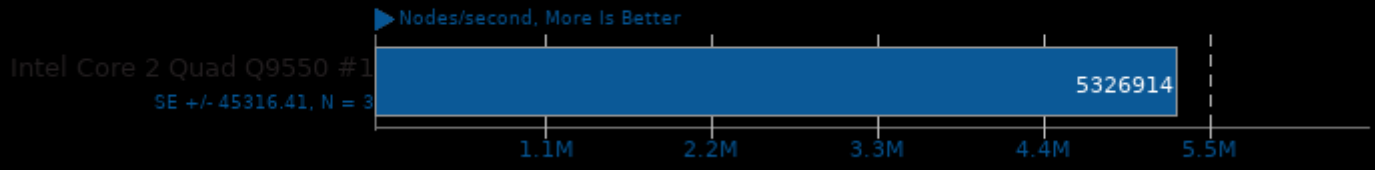
2022-08-18-2256

	Intel Core 2 Quad Q9550 #1	Intel Core 2 Quad Q9550 #2	Intel Core 2 Quad Q9550 #3	Intel Core 2 Quad Q9550 #4	Intel Core 2 Quad Q9550 #5	Intel Core 2 Quad Q9550 #6	Intel Core 2 Quad Q9550 #7	Intel Core 2 Quad Q9550 #8	Intel Core 2 Quad Q9550 #9	Intel Core 2 Quad Q9550 #10	Intel Core 2 Quad Q9550 #11	4 x 2048 MB 800MT #1	4 x 2048 MB 800MT #2
asmFish - 1.H.M.2.D (Nodes/s)	5326914												
Standard Deviation	1.5%												
Timed ImageMagick Compilation - Time To Compile (sec)	123.684												
Standard Deviation	0.3%												
C-Ray - Total Time - 4.1.R.P.P (sec)	355.804												
Standard Deviation	0.1%												
CloverLeaf - L.E.H (sec)	835.68												
Standard Deviation	0%												
FLAC Audio Encoding - WAV To FLAC	55.194												
Standard Deviation	0.4%												
LAME MP3 Encoding - WAV To MP3	18.284												
Standard Deviation	2%												
FFmpeg - H.2.H.T.N.D (sec)	13.740												
Standard Deviation	2.1%												
John The Ripper - MD5 (Real C/S)	117527												
Standard Deviation	0.6%												
John The Ripper - Blowfish (Real	3598												
MBW - Memory Copy - 128 MiB (MiB/s)												3062	
Standard Deviation												0.1%	

MBW - Memory Copy - 512 MiB (MiB/s)	3064
Standard Deviation	0.1%
MBW - Memory Copy - 1024 MiB (MiB/s)	3063
Standard Deviation	0.1%
MBW - M.C.F.B.S - 128 MiB (MiB/s)	1964
Standard Deviation	0.2%
MBW - M.C.F.B.S - 512 MiB (MiB/s)	1969
Standard Deviation	0%
MBW - M.C.F.B.S - 1024 MiB (MiB/s)	1975
Standard Deviation	0.1%
t-test1 - 1 (sec)	46.659
Standard Deviation	0.6%
t-test1 - 2 (sec)	16.613
Standard Deviation	0.2%

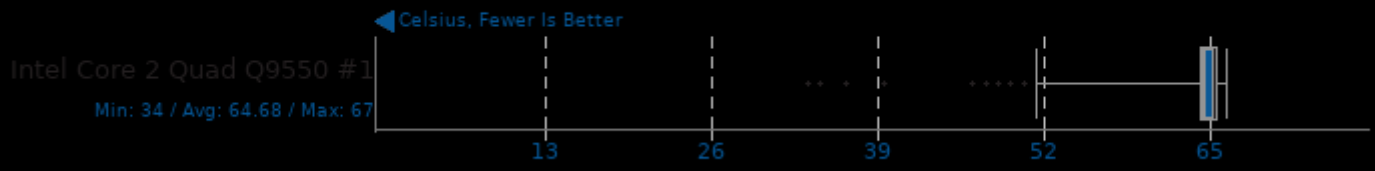
asmFish 2018-07-23

1024 Hash Memory, 26 Depth



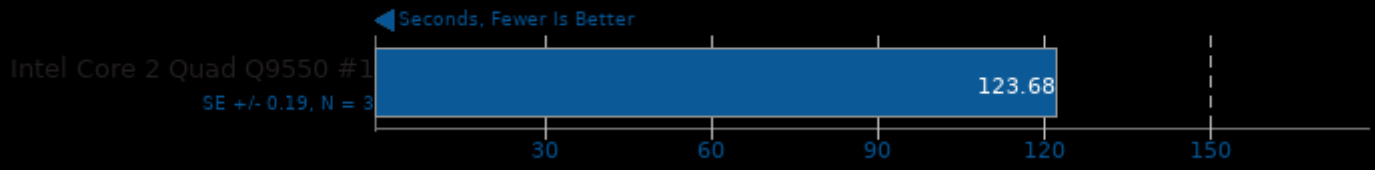
asmFish 2018-07-23

CPU Temperature Monitor



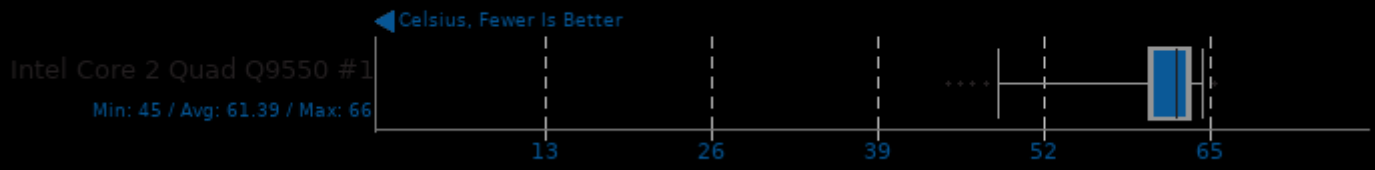
Timed ImageMagick Compilation 6.9.0

Time To Compile



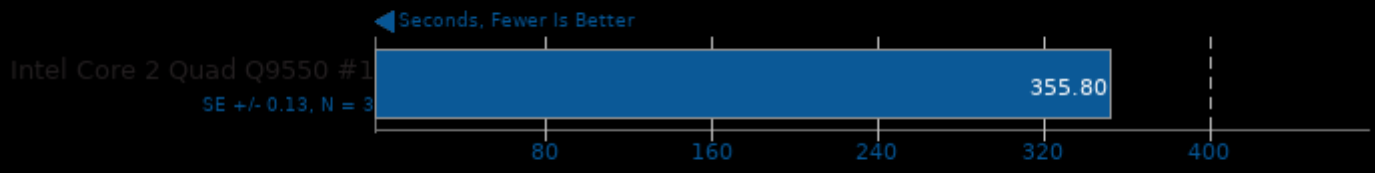
Timed ImageMagick Compilation 6.9.0

CPU Temperature Monitor



C-Ray 1.1

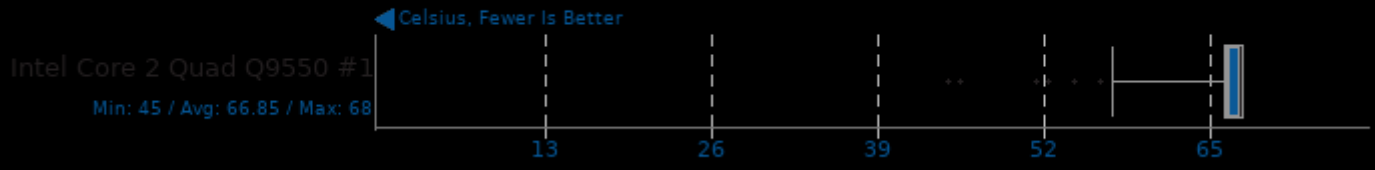
Total Time - 4K, 16 Rays Per Pixel



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

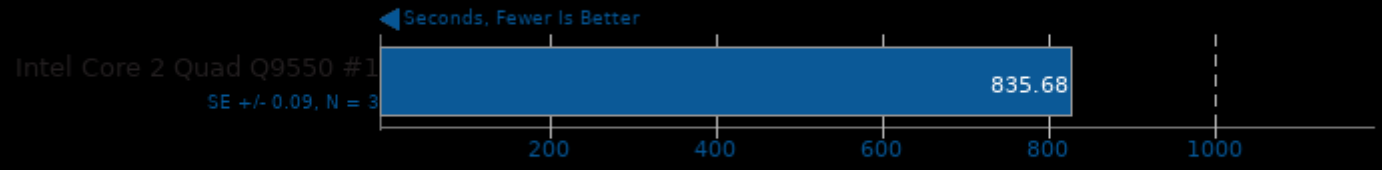
C-Ray 1.1

CPU Temperature Monitor



CloverLeaf

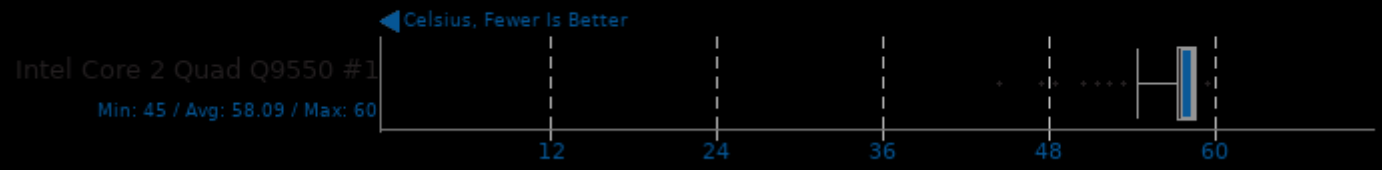
Lagrangian-Eulerian Hydrodynamics



1. (F9X) gfortran options: -O3 -march=native -funroll-loops -fopenmp

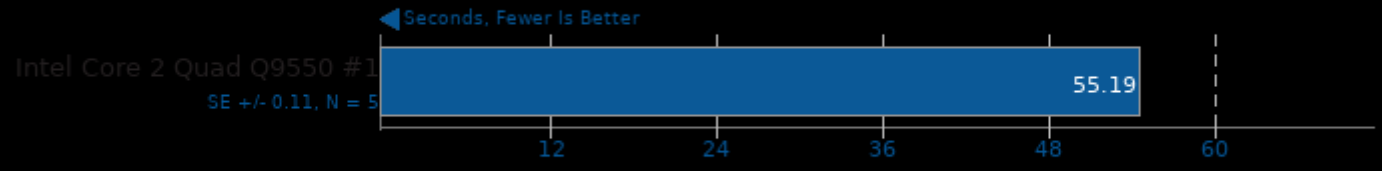
CloverLeaf

CPU Temperature Monitor



FLAC Audio Encoding 1.3.3

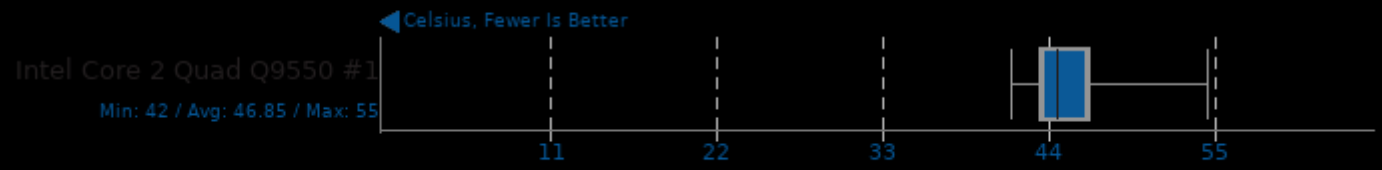
WAV To FLAC



1. (CXX) g++ options: -fvisibility=hidden -logg -lm

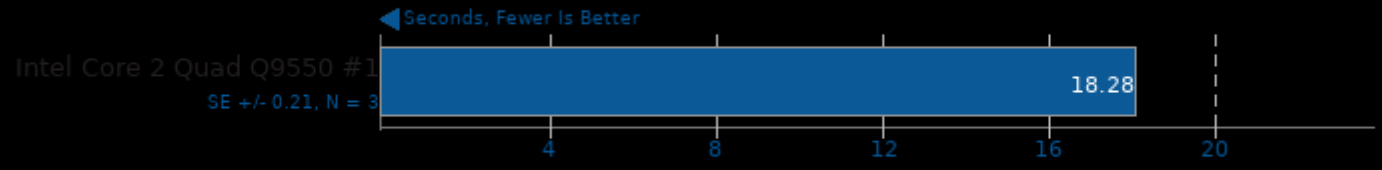
FLAC Audio Encoding 1.3.3

CPU Temperature Monitor



LAME MP3 Encoding 3.100

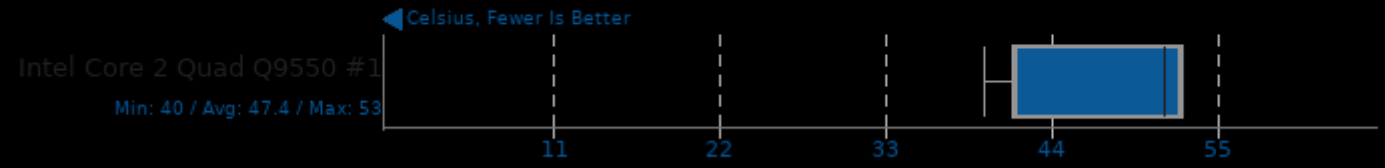
WAV To MP3



1. (CC) gcc options: -O3 -ffast-math -funroll-loops -fschedule-insns2 -fbranch-count-reg -fforce-addr -pipe -lm

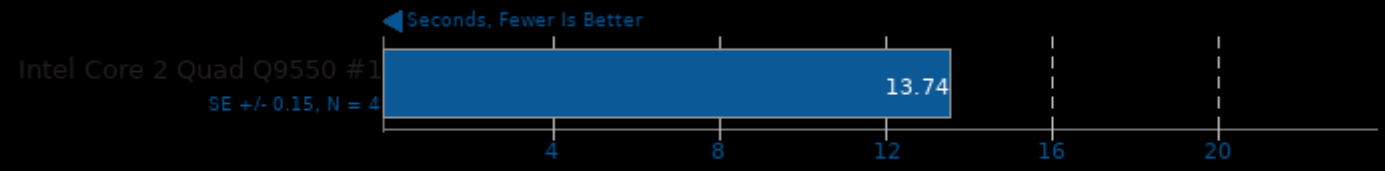
LAME MP3 Encoding 3.100

CPU Temperature Monitor



FFmpeg 4.0.2

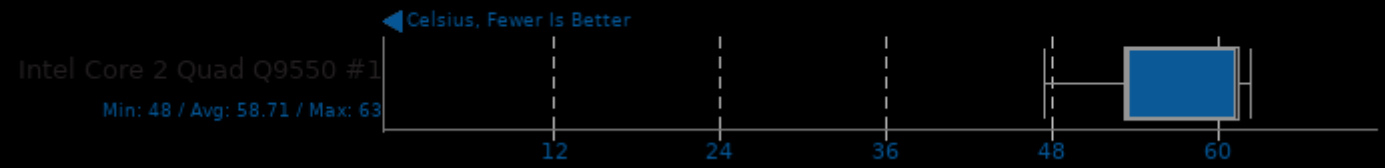
H.264 HD To NTSC DV



1. (CC) gcc options: -lavdevice -lavfilter -lavformat -lavcodec -lswresample -lswscale -lavutil -lm -pthread -std=c11 -fomit-frame-pointer -fPIC -O3 -fno-ma

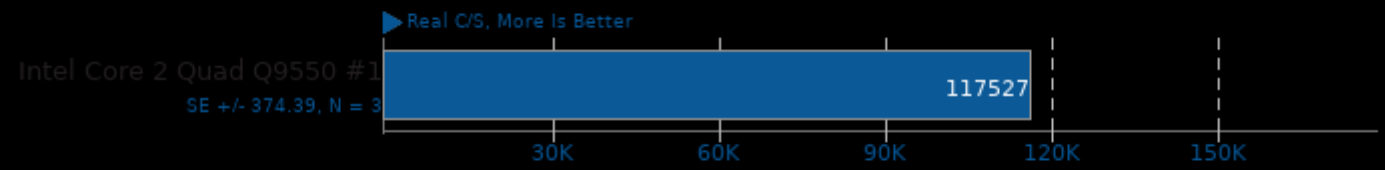
FFmpeg 4.0.2

CPU Temperature Monitor



John The Ripper 1.9.0-jumbo-1

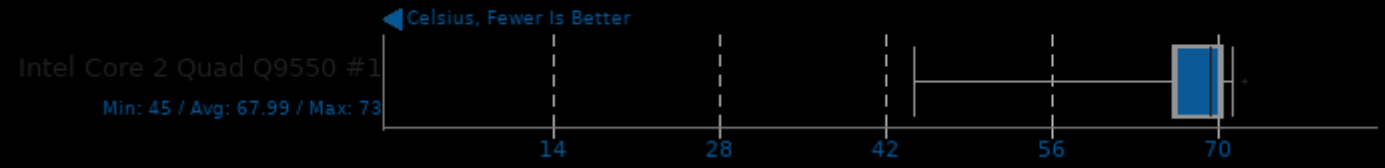
Test: MD5



1. (CC) gcc options: -m64 -lssl -lcrypto -fopenmp -lgmp -pthread -lm -ldl -lcrypt

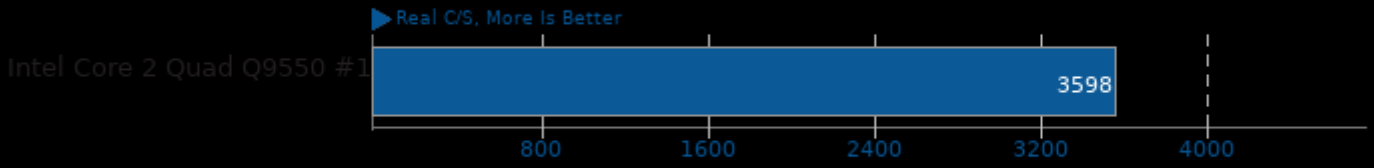
John The Ripper 1.9.0-jumbo-1

CPU Temperature Monitor



John The Ripper 1.9.0-jumbo-1

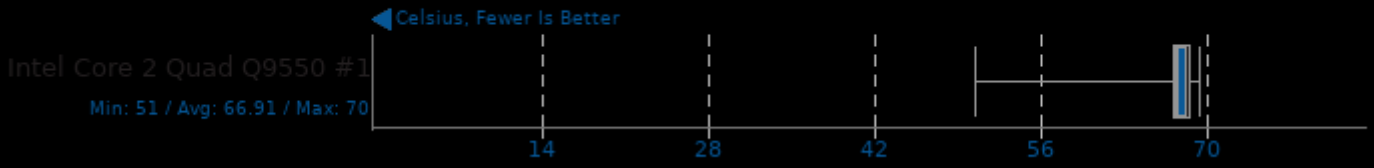
Test: Blowfish



1. (CC) gcc options: -m64 -lssl -lcrypto -fopenmp -lgmp -pthread -lm -ldl -lcrypt

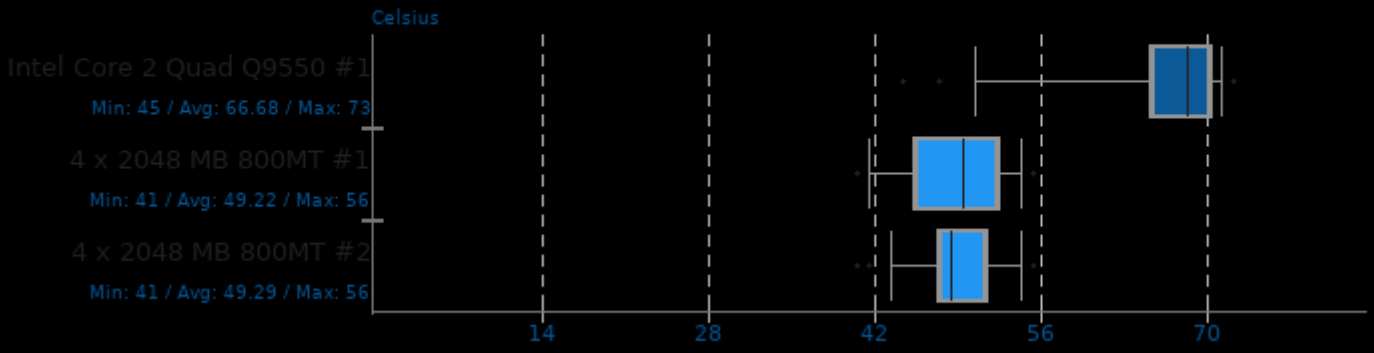
John The Ripper 1.9.0-jumbo-1

CPU Temperature Monitor



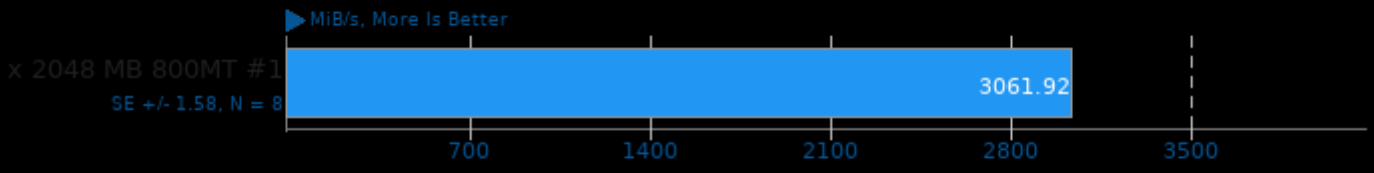
CPU Temperature Monitor

Phoronix Test Suite System Monitoring



MBW 2018-09-08

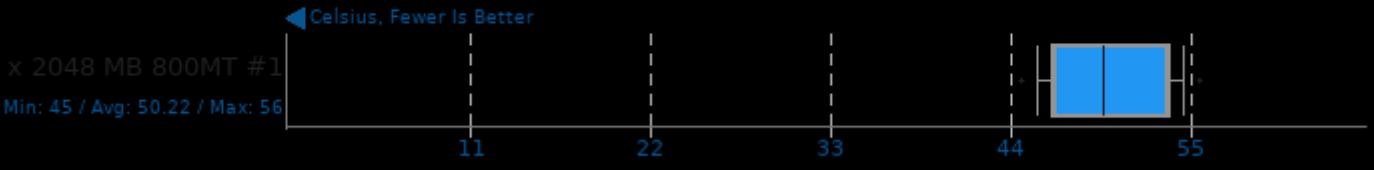
Test: Memory Copy - Array Size: 128 MiB

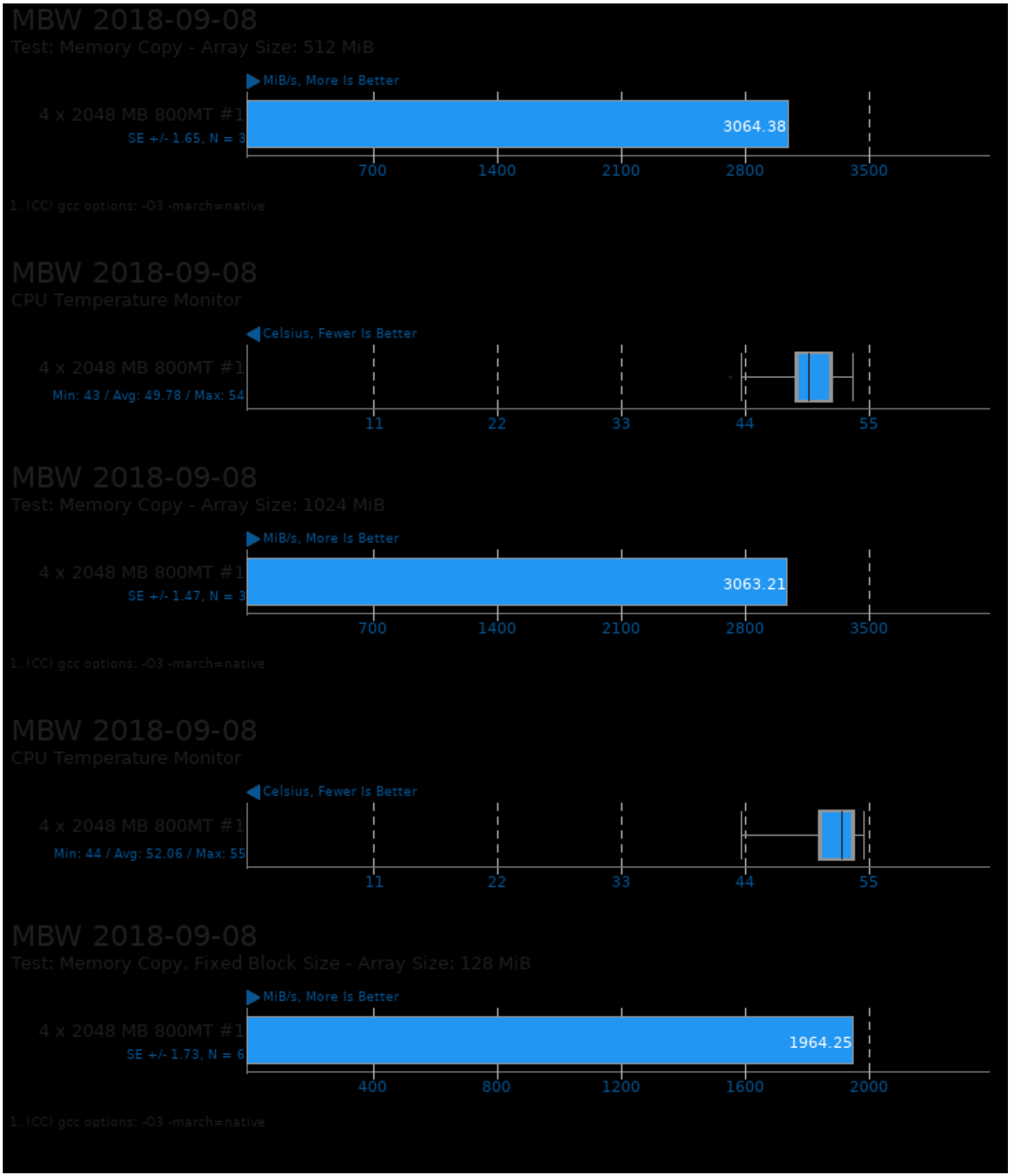


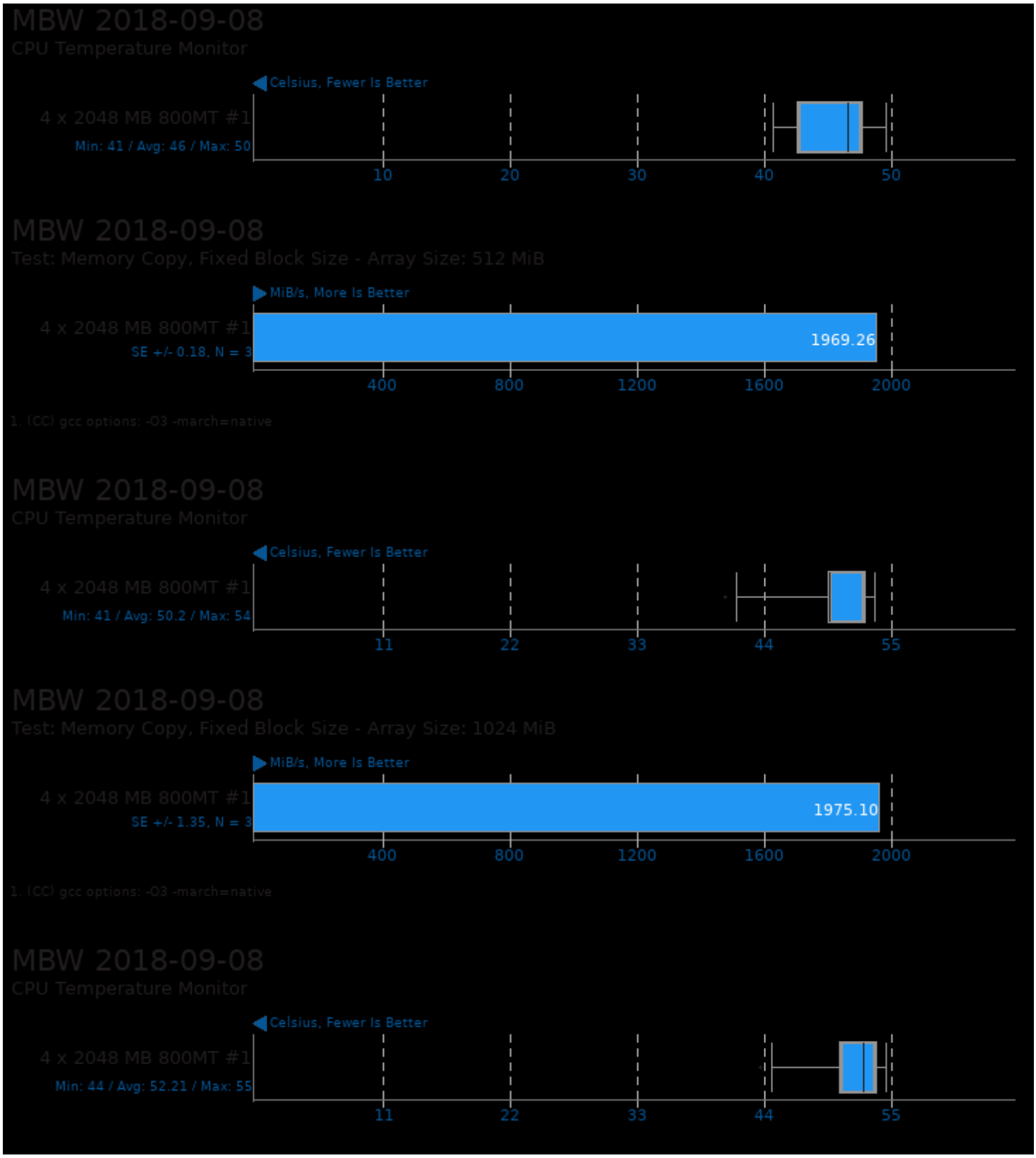
1. (CC) gcc options: -O3 -march=native

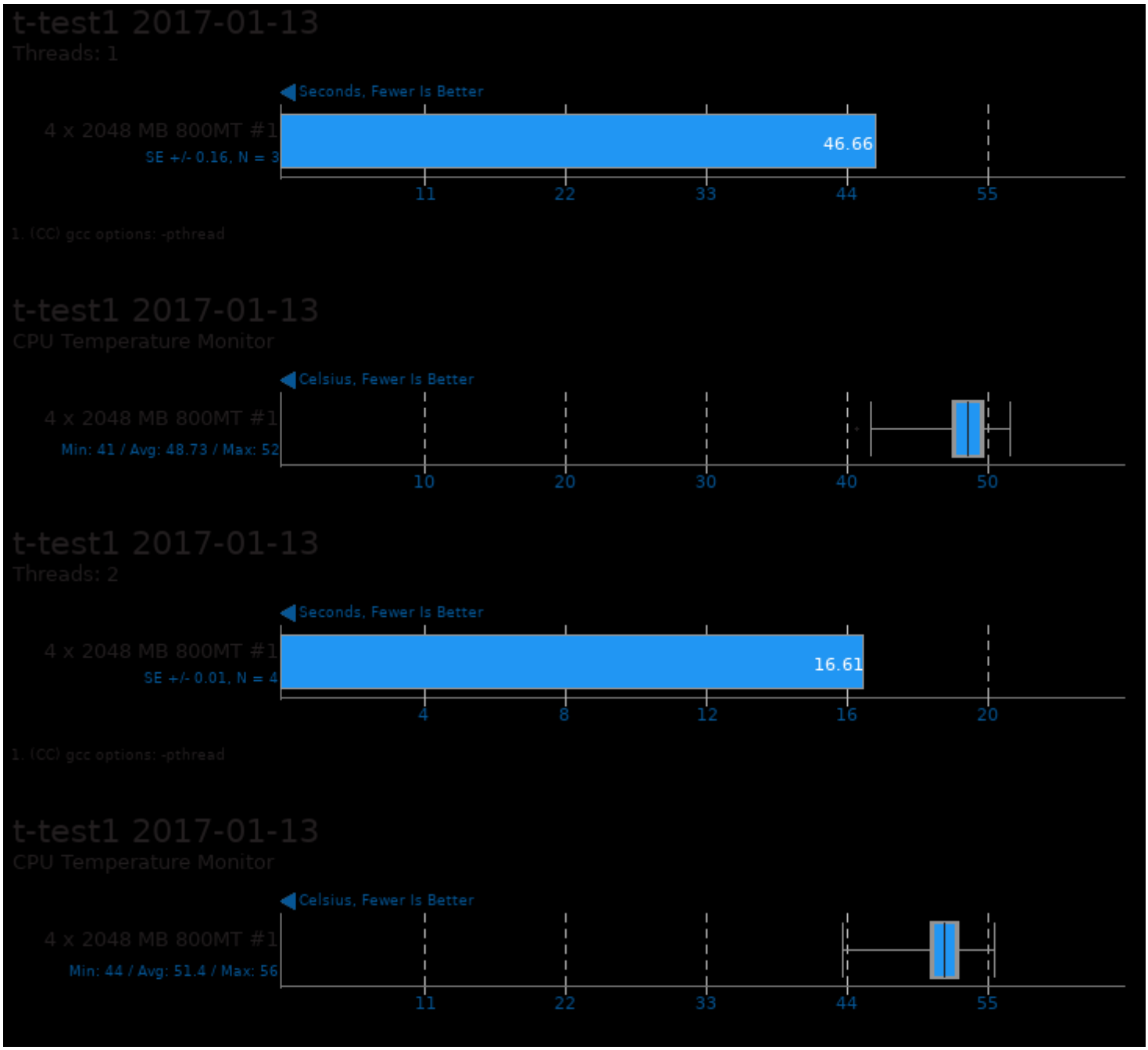
MBW 2018-09-08

CPU Temperature Monitor




MBW 2018-09-08
Test: Memory Copy - Array Size: 512 MiB
MiB/s, More Is Better
4 x 2048 MB 800MT #1
SE +/- 1.65, N = 3
3064.38
700
1400
2100
2800
3500
1. (CC) gcc options: -O3 -march=native
MBW 2018-09-08
CPU Temperature Monitor
Celsius, Fewer Is Better
4 x 2048 MB 800MT #1
Min: 43 / Avg: 49.78 / Max: 54
11
22
33
44
55
MBW 2018-09-08
Test: Memory Copy - Array Size: 1024 MiB
MiB/s, More Is Better
4 x 2048 MB 800MT #1
SE +/- 1.47, N = 3
3063.21
700
1400
2100
2800
3500
1. (CC) gcc options: -O3 -march=native
MBW 2018-09-08
CPU Temperature Monitor
Celsius, Fewer Is Better
4 x 2048 MB 800MT #1
Min: 44 / Avg: 52.06 / Max: 55
11
22
33
44
55
MBW 2018-09-08
Test: Memory Copy, Fixed Block Size - Array Size: 128 MiB
MiB/s, More Is Better
4 x 2048 MB 800MT #1
SE +/- 1.73, N = 6
1964.25
400
800
1200
1600
2000
1. (CC) gcc options: -O3 -march=native


MBW 2018-09-08
CPU Temperature Monitor
Celsius, Fewer Is Better
4 x 2048 MB 800MT #1
Min: 41 / Avg: 46 / Max: 50
10
20
30
40
50
MBW 2018-09-08
Test: Memory Copy, Fixed Block Size - Array Size: 512 MiB
MiB/s, More Is Better
4 x 2048 MB 800MT #1
SE +/- 0.18, N = 3
1969.26
400
800
1200
1600
2000
1. (CC) gcc options: -O3 -march=native
MBW 2018-09-08
CPU Temperature Monitor
Celsius, Fewer Is Better
4 x 2048 MB 800MT #1
Min: 41 / Avg: 50.2 / Max: 54
11
22
33
44
55
MBW 2018-09-08
Test: Memory Copy, Fixed Block Size - Array Size: 1024 MiB
MiB/s, More Is Better
4 x 2048 MB 800MT #1
SE +/- 1.35, N = 3
1975.10
400
800
1200
1600
2000
1. (CC) gcc options: -O3 -march=native
MBW 2018-09-08
CPU Temperature Monitor
Celsius, Fewer Is Better
4 x 2048 MB 800MT #1
Min: 44 / Avg: 52.21 / Max: 55
11
22
33
44
55



This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 09:23.