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interzone

Intel Core i5-3450 testing with a MSI Z77A-G43 (MS-7758) v1.0 and MSI NVIDIA GeForce GTS 450 1024MB on Arch Linux via the Phoronix Test Suite.

Automated Executive Summary

arch-23-3-17-performance-gov-enturbo had the most wins, coming in first place for 66% of the tests.

Based on the geometric mean of all complete results, the fastest (arch-23-3-17-performance-gov-enturbo) was 1.055x the speed of the slowest (arch-21-3-17-rsteam-r). arch-23-3-17-performance-gov was 0.995x the speed of arch-23-3-17-performance-gov-enturbo, arch-21-3-17-steam-n was 0.956x the speed of arch-23-3-17-performance-gov, arch-21-3-17-rsteam-r was 0.997x the speed of arch-21-3-17-steam-n.

Test Systems:

arch-21-3-17-rsteam-r

arch-21-3-17-steam-n

arch-23-3-17-performance-gov

Processor: Intel Core i5-3450 @ 3.50GHz (4 Cores), Motherboard: MSI Z77A-G43 (MS-7758) v1.0, Chipset: Intel Xeon E3-1200 v2/3rd, Memory: 8192MB, Disk: 2000GB Seagate ST2000DM001-9YN1 + 2000GB D3 Station, Graphics: MSI NVIDIA GeForce GTS 450 1024MB (783/1804MHz), Audio: Realtek ALC892, Network: Realtek RTL8111/8168/8411

OS: Arch Linux, Kernel: 4.10.4-1-ARCH (x86_64), Desktop: KDE Frameworks 5, Display Driver: NVIDIA 378.13, Vulkan: 1.0.37, Compiler: GCC 6.3.1 20170306, File-System: ext4, Screen Resolution: 1920x1080

Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-multilib --disable-werror --enable-__cxa_atexit --enable-checking=release --enable-clocale=gnu --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++ --enable-libmpx --enable-lto --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Disk Notes: CFQ / data=ordered,noatime,rw
Processor Notes: Scaling Governor: intel_pstate performance

arch-23-3-17-performance-gov-enturbo

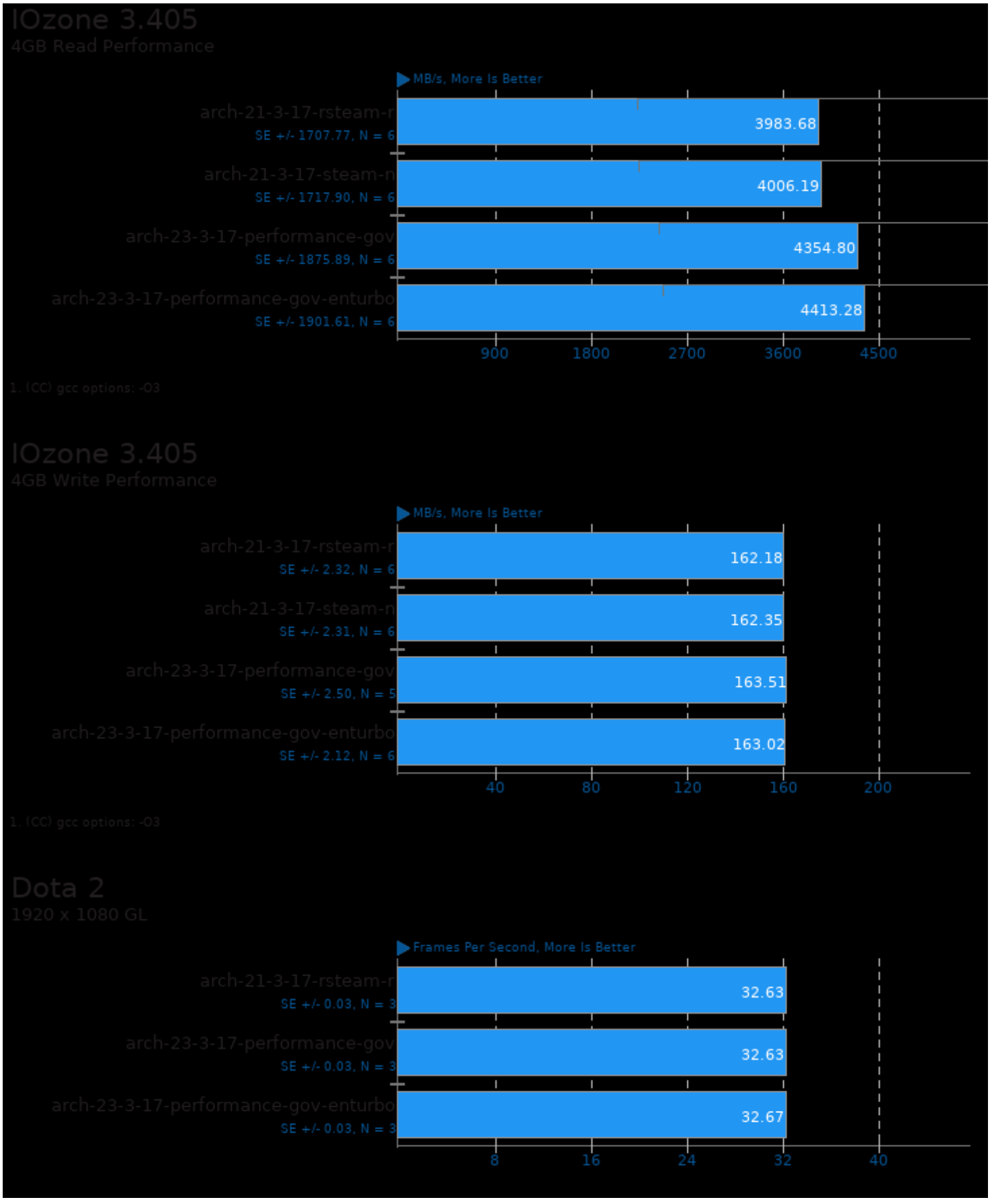
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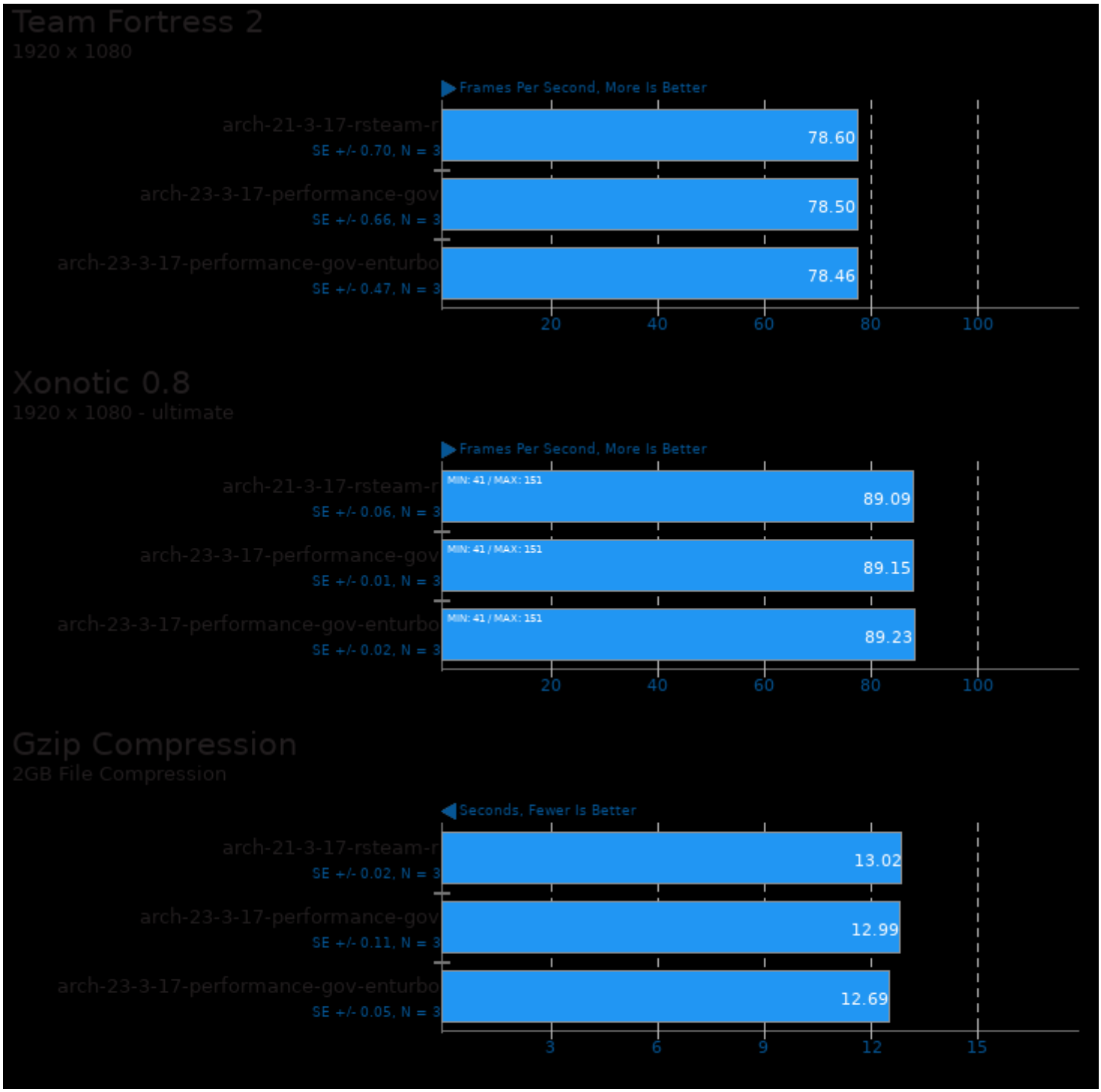
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Disk Notes: CFQ / data=ordered,noatime,rw
Processor Notes: Scaling Governor: intel_pstate performance

	arch-21-3-17-rsteam-r	arch-21-3-17-steam-n	arch-23-3-17-performance-gov	arch-23-3-17-performance-gov-entur
IOzone - 4.R.P (MB/s)	**3984**	4006	4355	**4413**
Normalized	90.27%	90.78%	98.67%	100%
Standard Deviation	105%	105%	105.5%	105.5%
IOzone - 4.W.P (MB/s)	**162.18**	162.35	**163.51**	163.02
Normalized	99.19%	99.29%	100%	99.7%
Standard Deviation	3.5%	3.5%	3.4%	3.2%
Dota 2 - 1920 x 1080 GL (FPS)	**32.63**		**32.63**	**32.67**
Normalized	99.88%		99.88%	100%
Standard Deviation	0.2%		0.2%	0.2%
Team Fortress 2 - 1920 x 1080 (FPS)	**78.60**		78.50	**78.46**
Normalized	100%		99.87%	99.82%
Standard Deviation	1.5%		1.5%	1%
Xonotic - 1920 x 1080 - ultimate (FPS)	**89.09**		89.15	**89.23**
Normalized	99.84%		99.91%	100%
Standard Deviation	0.1%		0%	0%
Gzip Compression - 2.F.C (sec)	**13.02**		12.99	**12.69**
Normalized	97.47%		97.69%	100%
Standard Deviation	0.3%		1.5%	0.6%

interzone


IOzone 3.405
4GB Read Performance
MB/s, More Is Better
arch-21-3-17-rsteam-r
SE +/- 1707.77, N = 6
3983.68
arch-21-3-17-steam-n
SE +/- 1717.90, N = 6
4006.19
arch-23-3-17-performance-gov
SE +/- 1875.89, N = 6
4354.80
arch-23-3-17-performance-gov-enturbo
SE +/- 1901.61, N = 6
4413.28
900
1800
2700
3600
4500
1. (CC) gcc options: -O3
IOzone 3.405
4GB Write Performance
MB/s, More Is Better
arch-21-3-17-rsteam-r
SE +/- 2.32, N = 6
162.18
arch-21-3-17-steam-n
SE +/- 2.31, N = 6
162.35
arch-23-3-17-performance-gov
SE +/- 2.50, N = 5
163.51
arch-23-3-17-performance-gov-enturbo
SE +/- 2.12, N = 6
163.02
40
80
120
160
200
1. (CC) gcc options: -O3
Dota 2
1920 x 1080 GL
Frames Per Second, More Is Better
arch-21-3-17-rsteam-r
SE +/- 0.03, N = 3
32.63
arch-23-3-17-performance-gov
SE +/- 0.03, N = 3
32.63
arch-23-3-17-performance-gov-enturbo
SE +/- 0.03, N = 3
32.67
8
16
24
32
40



This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 00:53.