

- Max performance profile 2: Scaling Governor: pcc-freq ondemand
- Max performance profile 3: Scaling Governor: pcc-freq ondemand
- memory 1: Scaling Governor: pcc-freq ondemand
- memory 2: Scaling Governor: pcc-freq ondemand
- memory 3: Scaling Governor: pcc-freq ondemand
- java 1: Scaling Governor: pcc-freq ondemand
- java 2: Scaling Governor: pcc-freq ondemand
- java 3: Scaling Governor: pcc-freq ondemand
- Intel Xeon E5-2609: Scaling Governor: ondemand
- intel-xeon-e5-2620: Scaling Governor: ondemand
- Intel Xeon E5-2650: Scaling Governor: ondemand
- Intel Xeon E5-2620: Scaling Governor: ondemand
- Sapphire AMD Radeon HD 5000: Scaling Governor: acpi-cpufreq ondemand
- Universe cli with new build: Scaling Governor: acpi-cpufreq ondemand
- ARMv7: Scaling Governor: BCM2835 Freq ondemand
- ARMv7 rev 4 - SE32G: Scaling Governor: sunxi ondemand
- encode-mp3 lame: Scaling Governor: intel_pstate powersave
- sqlite: Scaling Governor: intel_pstate powersave
- compilation: Scaling Governor: userspace
- compiler: Scaling Governor: userspace
- compression: Scaling Governor: userspace
- cpu: Scaling Governor: userspace
- cryptography: Scaling Governor: userspace
- daily-kernel-tracker: Scaling Governor: userspace
- computational: Scaling Governor: userspace
- daily-system-tracker: Scaling Governor: userspace
- disk: Scaling Governor: userspace
- encoding: Scaling Governor: userspace
- java: Scaling Governor: userspace
- kernel: Scaling Governor: userspace
- linux-system: Scaling Governor: userspace
- memory: Scaling Governor: userspace
- motherboard: Scaling Governor: userspace
- multicore: Scaling Governor: userspace
- netbook: Scaling Governor: userspace
- CRISTIAN: Scaling Governor: ondemand
- TAREA X CRISTIAN GUERRERO CANTO: Scaling Governor: ondemand
- Ubuntu 10.04 LTS: Scaling Governor: ondemand
Ubuntu 10.04 LTS with Sun JRE 1.6: Scaling Governor: ondemand
- Trillian test: Scaling Governor: ondemand
- PC300 NVMe Sk hynix - Intel Kabylake GT2 - Qualcomm: Scaling Governor: acpi-cpufreq ondemand
- i504: Scaling Governor: intel_pstate powersave
- Intel Core i7-3820: Scaling Governor: intel_pstate powersave
- AM3+Radeon R9 200 - Intel Core i7-3820: Scaling Governor: intel_pstate powersave
- m4_2015-06-21_15-32-32: Scaling Governor: intel_pstate powersave
- m4_2015-06-26_16-39-37: Scaling Governor: intel_pstate powersave
- m4_850_Pro_ext4_ordered: Scaling Governor: intel_pstate powersave
- m4_15.04_3.19.0-21: Scaling Governor: intel_pstate powersave
- m4_2015-06-28_15-55: Scaling Governor: intel_pstate powersave
- m4_2015-06-29: Scaling Governor: intel_pstate powersave
- m4_23x_3.19.0-21: Scaling Governor: intel_pstate powersave
- m4_23x_3.19.0-21_06-29: Scaling Governor: intel_pstate powersave
- m4_23x_3.19.0-21_06-29_HDR-all: Scaling Governor: intel_pstate powersave
- m4_23x_3.19.0-21_06-29b: Scaling Governor: intel_pstate powersave
- m4_radeon_2015-07-06: Scaling Governor: intel_pstate powersave
- m4_2560_x_1440: Scaling Governor: intel_pstate powersave
- m4_pwm_profile: Scaling Governor: intel_pstate powersave
- m4_valley_2560: Scaling Governor: intel_pstate powersave
- m4_bif_20151213: Scaling Governor: intel_pstate powersave
- m4_dbench_20160113: Scaling Governor: intel_pstate powersave
- m4_icozm_2016-01-15: Scaling Governor: intel_pstate powersave
- m4_dbench_20160120: Scaling Governor: intel_pstate powersave
- Samsung SSD 840 - NVS 4200M - Intel B2579LM Gigabit: Scaling Governor: intel_pstate powersave
- rfb: Scaling Governor: ondemand
- ocl6: Scaling Governor: ondemand
- m4_fs-mark_20161020: Scaling Governor: intel_pstate powersave
- TUXEDO InfinityBook15_WarumLinuxBesserIst_2016-11-17: Scaling Governor: intel_pstate powersave
- salix_14_i-xfce: Scaling Governor: intel_pstate powersave
- slack-xfce: Scaling Governor: intel_pstate powersave
- Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260: Scaling Governor: intel_pstate powersave
- cpu-flo-1-grevy: Scaling Governor: intel_pstate powersave
- cpu-flo-2-grevy: Scaling Governor: intel_pstate powersave
- cpu-flo-3-grevy: Scaling Governor: intel_pstate powersave
- cpu-flo-4-grevy: Scaling Governor: intel_pstate powersave
- cpu-flo-5-grevy: Scaling Governor: intel_pstate powersave
- Q9300-7-Zip Compression: Scaling Governor: acpi-cpufreq ondemand
- Q9300-Bork File Encrypter: Scaling Governor: acpi-cpufreq ondemand
- Q9300-Bullet Physics Engine: Scaling Governor: acpi-cpufreq ondemand
- Q9300-C-Ray: Scaling Governor: acpi-cpufreq ondemand
- Q9300-CacheBench: Scaling Governor: acpi-cpufreq ondemand
- Q9300-Crafty: Scaling Governor: acpi-cpufreq ondemand
- Q9300-FFTE: Scaling Governor: acpi-cpufreq ondemand
- Q9300-FFmpeg: Scaling Governor: acpi-cpufreq ondemand
- Q9300-FLAC Audio Encoding: Scaling Governor: acpi-cpufreq ondemand
- Q9300-GMPbench: Scaling Governor: acpi-cpufreq ondemand
- Q9300-GnuPG: Scaling Governor: acpi-cpufreq ondemand
- Q9300-GraphicsMagick: Scaling Governor: acpi-cpufreq ondemand
- Q9300-Gzip Compression: Scaling Governor: acpi-cpufreq ondemand
- Q9300-Hirone Benchmark: Scaling Governor: acpi-cpufreq ondemand
- Q9300-Java SciMark: Scaling Governor: acpi-cpufreq ondemand
- Q9300-LAMA MP3 Encoding: Scaling Governor: acpi-cpufreq ondemand
- Q9300-LZMA Compression: Scaling Governor: acpi-cpufreq ondemand
- Q9300-Mencoder: Scaling Governor: acpi-cpufreq ondemand
- Q9300-Minion: Scaling Governor: acpi-cpufreq ondemand
- Q9300-Monkey Audio Encoding: Scaling Governor: acpi-cpufreq ondemand
- Q9300-N-Queens: Scaling Governor: acpi-cpufreq ondemand
- Q9300-Noiselvel: Scaling Governor: acpi-cpufreq ondemand
- Q9300-OpenSSL: Scaling Governor: acpi-cpufreq ondemand
- Q9300-Opus Codec Encoding: Scaling Governor: acpi-cpufreq ondemand
- Q9300-POV-Ray: Scaling Governor: acpi-cpufreq ondemand
- Q9300-Parallel BZIP2 Compression: Scaling Governor: acpi-cpufreq ondemand
- Q9300-Primesieve: Scaling Governor: acpi-cpufreq ondemand
- Q9300-Rodinia: Scaling Governor: acpi-cpufreq ondemand
- Q9300-Sample Pi Program: Scaling Governor: acpi-cpufreq ondemand
- Q9300-SciMark: Scaling Governor: acpi-cpufreq ondemand
- Q9300-Smallpt: Scaling Governor: acpi-cpufreq ondemand
- Broadwell-DE 1587 SM 07: Scaling Governor: intel_pstate performance
- Intel_750_Series_AIC_1.2TB: Scaling Governor: intel_pstate powersave
- hdparm_mdraid10_4xHGST_6GB: Scaling Governor: intel_pstate powersave
- Intel_750_aio-stress: Scaling Governor: intel_pstate powersave
- ubuntu1604: Scaling Governor: intel_pstate powersave
- cpu-flo-1-carrot: Scaling Governor: intel_pstate powersave
- cpu-flo-2-carrot: Scaling Governor: intel_pstate powersave
- cpu-flo-3-carrot: Scaling Governor: intel_pstate powersave
- cpu-flo-4-carrot: Scaling Governor: intel_pstate powersave
- cpu-flo-5-carrot: Scaling Governor: intel_pstate powersave
- ram-flo-carrot: Scaling Governor: intel_pstate powersave
- cpu-flo-1-macmahon: Scaling Governor: intel_pstate powersave
- cpu-flo-2-macmahon: Scaling Governor: intel_pstate powersave
- cpu-flo-3-macmahon: Scaling Governor: intel_pstate powersave
- cpu-flo-4-macmahon: Scaling Governor: intel_pstate powersave
- cpu-flo-5-macmahon: Scaling Governor: intel_pstate powersave
- ram-flo-macmahon: Scaling Governor: intel_pstate powersave
- GT730-PHENOMEN-X4_940: Scaling Governor: acpi-cpufreq ondemand
- GL_Mark_2: Scaling Governor: acpi-cpufreq ondemand
- 7Zip: Scaling Governor: acpi-cpufreq ondemand

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- FFmpeg: Scaling Governor: acpi-cpufreq ondemand
- Encode-MP3: Scaling Governor: acpi-cpufreq ondemand
- MEncoder: Scaling Governor: acpi-cpufreq ondemand
- GPUTest: Scaling Governor: acpi-cpufreq ondemand
- sysrc: Scaling Governor: intel_pstate powersave
- nevada: Scaling Governor: userspace
- 2026-compare-1: Scaling Governor: acpi-cpufreq ondemand
- KDE-Slimbook ootb: Scaling Governor: intel_pstate powersave
- Gen8 Debian SATA ext4: Scaling Governor: intel_pstate powersave
- Gen8 Debian MDRAID5x4 ext4: Scaling Governor: intel_pstate powersave
- linux raidz1x4 zfs gen8: Scaling Governor: intel_pstate powersave
- zfs - Western Digital WD30EFRX-6BE: Scaling Governor: intel_pstate powersave
- SanDisk SD7SNSS - Intel Sky Lake - Intel Connection: Scaling Governor: intel_pstate powersave
- ram-flo-greedy: Scaling Governor: intel_pstate powersave
- E3-1220: Scaling Governor: intel_pstate powersave
- zboxid18: Scaling Governor: intel_pstate powersave
- ARMv7-sun7i: Scaling Governor: sunxi ondemand
- ARMv6: Scaling Governor: BCM2835 Freq ondemand
- AMD Ryzen 7 1800X Eight-Core: Scaling Governor: acpi-cpufreq ondemand
- LaTortuga: Scaling Governor: intel_pstate powersave
- tes001: Scaling Governor: intel_pstate powersave
- tes002: Scaling Governor: intel_pstate powersave
- tes003: Scaling Governor: intel_pstate powersave
- tes004: Scaling Governor: intel_pstate powersave
- tes005: Scaling Governor: intel_pstate powersave
- tes006: Scaling Governor: intel_pstate powersave
- prime cpu belkin test: Scaling Governor: acpi-cpufreq ondemand
- sg stockfish baseline: Scaling Governor: acpi-cpufreq ondemand
- Siimgrant CPU suite baseline: Scaling Governor: acpi-cpufreq ondemand
- cpu_tst_1: Scaling Governor: intel_pstate performance
- AMD Ryzen 7 1700 Eight-Core: Scaling Governor: acpi-cpufreq ondemand
- AMD Ryzen 5 1500X: Scaling Governor: acpi-cpufreq ondemand
- AMD Ryzen 5 1600X Six-Core: Scaling Governor: acpi-cpufreq ondemand
- AMD Ryzen 7 1700X Eight-Core: Scaling Governor: acpi-cpufreq ondemand
- Intel Core i7-6700K: Scaling Governor: intel_pstate powersave
- centOS7: Scaling Governor: intel_pstate powersave
- ubuntu1704-new: Scaling Governor: intel_pstate powersave
- fedora25: Scaling Governor: intel_pstate powersave
- i5-hasstop: Scaling Governor: intel_pstate powersave
- bsp0:0: Scaling Governor: performance
- bsp1:0: Scaling Governor: performance
- bsp0:2: Scaling Governor: performance
- bsp0:3: Scaling Governor: performance
- bsp0:4: Scaling Governor: performance
- anu 14012013-0: Scaling Governor: ondemand
- i7-2760QM 2.40GHz 3.2.0-4-rt-amd64: Scaling Governor: ondemand
- AMD A6-3670 2.70GHz 3.2.0-4-amd64: Scaling Governor: ondemand
- AMD A6-3670 2.70GHz march-native: Scaling Governor: ondemand
- i7-2760QM 2.40GHz march-native: Scaling Governor: ondemand
```

Result Viewing Options



Result Analysis

Show Aggregate Sum

Show Harmonic Mean

Show Geometric Mean

Sort Results By Performance

Sort Results By Identifier

Reverse Result Order

Normalize Results

Convert To Scalar (Where Appropriate)

No Color Branding

Compact Results Where Applicable

Highlight Result:

Refresh Results



Compare Results

See how your system compares using the Phoronix Test Suite. It's as easy as running the `phoronix-test-suite` benchmark 1704268-

KH-RESULTSCI83 1109299-LI-PERSIMMON26 1705023-RI-SOOBS22982 1705016-RI-1103033IV93 1109294-LI-PERSIMMON10
1203056-AR-ALLPROCES20 1605180-GA-BROADWELL54 1505293-DE-OPENSUSE137 1605182-GA-BROADWELL40 1210245-RA-
1210199RA03 1306223-UT-JHTWXEON171 1304117-LSAU-MERGE2788 1504190-SO-AMDFX832034 1610246-PAZP-MERGE7523
1012227-IV-ATOMIONNE35 1701078-KH-AHFHEM79807 1505294-DE-OPENSUSE154 1210295-SU-10242012148 1103157-IV-
MERGE669491 1302143-RA-AUTOCOMPA91 1703174-RI-20170317050 1601203-BE-UBERMAKI800 1605172-THOM-DELLLAT15
1303275-FO-AUTOCOMPA27 1601201-BE-UBERMAKI748 1611178-LO-TUXEDOINF58 1410081-BY-MERGE266356 1406136-PL-
1406125PL22 1411197-SUPE-TESTE4031 1103154-IV-MERGE669496 1605138-THOM-TUXEDOI61 1609050-HA-AUTOCOMPA21
1607188-MATT-GREVY3884 1103031-IV-MERGE615897 1309140-SO-Q9300248251 1605187-GA-BROADWELL90 1601212-BE-
UBERMAKI336 1601219-BE-UBERMAKI713 1704212-RI-UBUNTU16002 1111167-LI-ARCHLINUX26 1608265-HA-AUTOCOMPA60
1310232-SO-1210292SU78 1704081-RI-KDESL526386 1601215-BE-UBERMAKI853 1601208-BE-UBERMAKI419 1512055-HA-
HOMESERVE61 1208110-SU-CLOUDHARM78 1202125-AR-MERGE143519 1605137-THOM-LENOVOT50 1607187-MATT-
GREVY4360 1704262-PAUL-PROCESS05 1309197-SO-1309140SO28 1608142-MATT-MACMAHO00 1704206-GARW-1700OC348
1610268-PAZP-MERGE3797 1210292-SU-10242012539 1608173-MATT-CARNOT365 1704181-GARW-2C6788452 1608307-HA-
AUTOCOMPA66 1607262-HA-AUTOCOMPA43 1204013-BY-1203066AR29 1103031-IV-MERGE373278 1704271-PAUL-170426273
1704207-GARW-1700STO37 1704188-GARW-R51500X80 1704186-GARW-R51600X02 1704209-GARW-1700X0135 1704181-
GARW-6700KV299 1103022-IV-R910WITHB14 1112138-AR-CENTOSRHE79 1012200-IV-AMDWORKST94 1704211-GARW-
FX8350647 1704212-RI-MERGE993800 1704202-GARW-1700XST61 1704242-RI-MERGE747797 1705049-RI-1610125LO76
1303075-FO-AUTOCOMPA83 1203066-AR-ALLPROCES54 1702158-KH-AUTOCOMPA98 1704210-RI-MERGE479168 1202122-AR-
MERGE429901 command.

Perfect Result Matches

- clouddharmony-rackspace-8gb-DFW-479 (/result/1305147-FO-AUTOCOMPA68)
 - ResultScimark2121 (/result/1705031-KH-RESULTSCI86)
- 1704212-RI-UBUNTU16002 (/result/1704214-RI-1704212RI36)
 - results1 (/result/1305227-UT-AUTOCOMPA95)
 - master-scimark2 (/result/1703066-RI-1703064RI95)

[Compare Results](#)



View System Logs & More Details

1704268-KH-RESULTSCI83 - Results Uploaded On 26 Apr 2017 (/system/1704268-KH-RESULTSCI83)

1109299-LI-PERSIMMON26 - Results Uploaded On 29 Sep 2011 (/system/1109299-LI-PERSIMMON26)

1705023-RI-SOOBS22982 - Results Uploaded On 2 May 2017 (/system/1705023-RI-SOOBS22982)

1705016-RI-1103033IV93 - Results Uploaded On 1 May 2017 (/system/1705016-RI-1103033IV93)

1109294-LI-PERSIMMON10 - Results Uploaded On 29 Sep 2011 (/system/1109294-LI-PERSIMMON10)

1203056-AR-ALLPROCES20 - Results Uploaded On 5 Mar 2012 (/system/1203056-AR-ALLPROCES20)

1605180-GA-BROADWELL54 - Results Uploaded On 18 May 2016 (/system/1605180-GA-BROADWELL54)

1505293-DE-OPENSUSE137 - Results Uploaded On 29 May 2015 (/system/1505293-DE-OPENSUSE137)

1605182-GA-BROADWELL40 - Results Uploaded On 18 May 2016 (/system/1605182-GA-BROADWELL40)

1210245-RA-1210199RA03 - Results Uploaded On 24 Oct 2012 (/system/1210245-RA-1210199RA03)

1306223-UT-JHTWXEON171 - Results Uploaded On 22 Jun 2013 (/system/1306223-UT-JHTWXEON171)

1304117-LSAU-MERGE2788 - Results By lsauve On 11 Apr 2013 (/user/lsauve)

1504190-SO-AMDFX832034 - Results Uploaded On 19 Apr 2015 (/system/1504190-SO-AMDFX832034)

1610246-PAZP-MERGE7523 - Results By pazpi On 24 Oct 2016 (/user/pazpi)

1012227-IV-ATOMIONNE35 - Results Uploaded On 22 Dec 2010 (/system/1012227-IV-ATOMIONNE35)

1701078-KH-AHFHEM79807 - Results Uploaded On 7 Jan 2017 (/system/1701078-KH-AHFHEM79807)

1505294-DE-OPENSUSE154 - Results Uploaded On 29 May 2015 (/system/1505294-DE-OPENSUSE154)

1210295-SU-10242012148 - Results Uploaded On 29 Oct 2012 (/system/1210295-SU-10242012148)

1103157-IV-MERGE669491 - Results Uploaded On 15 Mar 2011 (/system/1103157-IV-MERGE669491)

1302143-RA-AUTOCOMPA91 - Results Uploaded On 14 Feb 2013 (/system/1302143-RA-AUTOCOMPA91)

1703174-RI-20170317050 - Results Uploaded On 17 Mar 2017 (/system/1703174-RI-20170317050)

1601203-BE-UBERMAKI800 - Results Uploaded On 20 Jan 2016 (/system/1601203-BE-UBERMAKI800)

1605172-THOM-DELLLAT15 - Results By thomass On 17 May 2016 (/user/thomass)

1303275-FO-AUTOCOMPA27 - Results Uploaded On 27 Mar 2013 (/system/1303275-FO-AUTOCOMPA27)

1601201-BE-UBERMAKI748 - Results Uploaded On 20 Jan 2016 (/system/1601201-BE-UBERMAKI748)

1611178-LO-TUXEDOINF58 - Results Uploaded On 17 Nov 2016 (/system/1611178-LO-TUXEDOINF58)

1410081-BY-MERGE266356 - Results Uploaded On 8 Oct 2014 (/system/1410081-BY-MERGE266356)

1406136-PL-1406125PL22 - Results Uploaded On 13 Jun 2014 (/system/1406136-PL-1406125PL22)

1411197-SUPE-TESTE4031 - Results By supermax On 19 Nov 2014 (/user/supermax)

1103154-IV-MERGE669496 - Results Uploaded On 15 Mar 2011 (/system/1103154-IV-MERGE669496)

[1605138-THOM-TUXEDOI61 - Results By thomass On 13 May 2016 \(/user/thomass\)](#)

[1609050-HA-AUTOCOMPA21 - Results Uploaded On 5 Sep 2016 \(/system/1609050-HA-AUTOCOMPA21\)](#)

[1607188-MATT-GREVY3884 - Results By matt11 On 18 Jul 2016 \(/user/matt11\)](#)

[1103031-IV-MERGE615897 - Results Uploaded On 4 Mar 2011 \(/system/1103031-IV-MERGE615897\)](#)

[1309140-SO-Q9300248251 - Results Uploaded On 14 Sep 2013 \(/system/1309140-SO-Q9300248251\)](#)

[1605187-GA-BROADWELL90 - Results Uploaded On 18 May 2016 \(/system/1605187-GA-BROADWELL90\)](#)

[1601212-BE-UBERMAKI336 - Results Uploaded On 21 Jan 2016 \(/system/1601212-BE-UBERMAKI336\)](#)

[1601219-BE-UBERMAKI713 - Results Uploaded On 21 Jan 2016 \(/system/1601219-BE-UBERMAKI713\)](#)

[1704212-RI-UBUNTU16002 - Results Uploaded On 21 Apr 2017 \(/system/1704212-RI-UBUNTU16002\)](#)

[1111167-LI-ARCHLINUX26 - Results Uploaded On 16 Nov 2011 \(/system/1111167-LI-ARCHLINUX26\)](#)

[1608265-HA-AUTOCOMPA60 - Results Uploaded On 26 Aug 2016 \(/system/1608265-HA-AUTOCOMPA60\)](#)

[1310232-SO-1210292SU78 - Results Uploaded On 23 Oct 2013 \(/system/1310232-SO-1210292SU78\)](#)

[1704081-RI-KDESL526386 - Results Uploaded On 8 Apr 2017 \(/system/1704081-RI-KDESL526386\)](#)

[1601215-BE-UBERMAKI853 - Results Uploaded On 21 Jan 2016 \(/system/1601215-BE-UBERMAKI853\)](#)

[1601208-BE-UBERMAKI419 - Results Uploaded On 20 Jan 2016 \(/system/1601208-BE-UBERMAKI419\)](#)

[1512055-HA-HOMESERVE61 - Results Uploaded On 5 Dec 2015 \(/system/1512055-HA-HOMESERVE61\)](#)

[1208110-SU-CLOUDHARM78 - Results Uploaded On 11 Aug 2012 \(/system/1208110-SU-CLOUDHARM78\)](#)

[1202125-AR-MERGE143519 - Results Uploaded On 12 Feb 2012 \(/system/1202125-AR-MERGE143519\)](#)

[1605137-THOM-LENOVOT50 - Results By thomass On 13 May 2016 \(/user/thomass\)](#)

[1607187-MATT-GREVY4360 - Results By matt11 On 18 Jul 2016 \(/user/matt11\)](#)

[1704262-PAUL-PROCESS05 - Results By paulc1974 On 25 Apr 2017 \(/user/paulc1974\)](#)

[1309197-SO-1309140SO28 - Results Uploaded On 19 Sep 2013 \(/system/1309197-SO-1309140SO28\)](#)

[1608142-MATT-MACMAHO00 - Results By matt11235 On 13 Aug 2016 \(/user/matt11235\)](#)

[1704206-GARW-1700OC348 - Results By garwynn On 20 Apr 2017 \(/user/garwynn\)](#)

[1610268-PAZP-MERGE3797 - Results By pazpi On 26 Oct 2016 \(/user/pazpi\)](#)

1210292-SU-10242012539 - Results Uploaded On 29 Oct 2012 (/system/1210292-SU-10242012539)

1608173-MATT-CARNOT365 - Results By matt11235 On 17 Aug 2016 (/user/matt11235)

1704181-GARW-2C6788452 - Results By garwynn On 18 Apr 2017 (/user/garwynn)

1608307-HA-AUTOCOMPA66 - Results Uploaded On 30 Aug 2016 (/system/1608307-HA-AUTOCOMPA66)

1607262-HA-AUTOCOMPA43 - Results Uploaded On 26 Jul 2016 (/system/1607262-HA-AUTOCOMPA43)

1204013-BY-1203066AR29 - Results Uploaded On 1 Apr 2012 (/system/1204013-BY-1203066AR29)

1103031-IV-MERGE373278 - Results Uploaded On 3 Mar 2011 (/system/1103031-IV-MERGE373278)

1704271-PAUL-170426273 - Results By paulc1974 On 27 Apr 2017 (/user/paulc1974)

1704207-GARW-1700STO37 - Results By garwynn On 20 Apr 2017 (/user/garwynn)

1704188-GARW-R51500X80 - Results By garwynn On 18 Apr 2017 (/user/garwynn)

1704186-GARW-R51600X02 - Results By garwynn On 18 Apr 2017 (/user/garwynn)

1704209-GARW-1700X0135 - Results By garwynn On 20 Apr 2017 (/user/garwynn)

1704181-GARW-6700KV299 - Results By garwynn On 18 Apr 2017 (/user/garwynn)

1103022-IV-R910WITHB14 - Results Uploaded On 2 Mar 2011 (/system/1103022-IV-R910WITHB14)

1112138-AR-CENTOSRHE79 - Results Uploaded On 13 Dec 2011 (/system/1112138-AR-CENTOSRHE79)

1012200-IV-AMDWORKST94 - Results Uploaded On 20 Dec 2010 (/system/1012200-IV-AMDWORKST94)

1704211-GARW-FX8350647 - Results By garwynn On 20 Apr 2017 (/user/garwynn)

1704212-RI-MERGE993800 - Results Uploaded On 21 Apr 2017 (/system/1704212-RI-MERGE993800)

1704202-GARW-1700XST61 - Results By garwynn On 20 Apr 2017 (/user/garwynn)

1704242-RI-MERGE747797 - Results Uploaded On 24 Apr 2017 (/system/1704242-RI-MERGE747797)

1705049-RI-1610125LO76 - Results Uploaded On 3 May 2017 (/system/1705049-RI-1610125LO76)

1303075-FO-AUTOCOMPA83 - Results Uploaded On 7 Mar 2013 (/system/1303075-FO-AUTOCOMPA83)

1203066-AR-ALLPROCES54 - Results Uploaded On 6 Mar 2012 (/system/1203066-AR-ALLPROCES54)

1702158-KH-AUTOCOMPA98 - Results Uploaded On 15 Feb 2017 (/system/1702158-KH-AUTOCOMPA98)

1704210-RI-MERGE479168 - Results Uploaded On 21 Apr 2017 (/system/1704210-RI-MERGE479168)



Download as CSV ([A small icon representing an XML file, showing an open bracket '<' and a close bracket '>'.](/result/1704268-KH-RESULTSCI83,1109299-LI-PERSIMMON26,1705023-RI-SCOBS22982,1705016-RI-1103033IV93,1109294-LI-PERSIMMON10,1203056-AR-ALLPROCES20,1605180-GA-BROADWELL54,1505293-DE-OPENSUSE137,1605182-GA-BROADWELL40,1210245-RA-1210199RA03,1306223-UT-JHTWXEON171,1304117-LSAU-MERGE2788,1504190-SO-AMDFX832034,1610246-PAZP-MERGE7523,1012227-IV-ATOMIONNE35,1701078-KH-AHFHEM79807,1505294-DE-OPENSUSE154,1210295-SU-10242012148,1103157-IV-MERGE669491,1302143-RA-AUTOCOMPA91,1703174-RI-20170317050,1601203-BE-UBERMAKI800,1605172-THOM-DELLLAT15,1303275-FO-AUTOCOMPA27,1601201-BE-UBERMAKI748,1611178-LO-TUXEDOINF58,1410081-BY-MERGE266356,1406136-PL-1406125PL22,1411197-SUPE-TESTE4031,1103154-IV-MERGE669496,1605138-THOM-TUXEDOI61,1609050-HA-AUTOCOMPA21,1607188-MATT-GREVY3884,1103031-IV-MERGE615897,1309140-SO-Q9300248251,1605187-GA-BROADWELL90,1601212-BE-UBERMAKI336,1601219-BE-UBERMAKI713,1704212-RI-UBUNTU16002,1111167-LI-ARCHLINUX26,1608265-HA-AUTOCOMPA60,1310232-SO-1210292SU78,1704081-RI-KDESL526386,1601215-BE-UBERMAKI853,1601208-BE-UBERMAKI419,1512055-HA-HOMESENSE61,1208110-SU-CLOUDHARM78,1202125-AR-MERGE143519,1605137-THOM-LENOVOT50,1607187-MATT-GREVY4360,1704262-PAUL-PROCESS05,1309197-SO-1309140SO28,1608142-MATT-MACMAHO00,1704206-GARW-1700OC348,1610268-PAZP-MERGE3797,1210292-SU-10242012539,1608173-MATT-CARNOT365,1704181-GARW-2C6788452,1608307-HA-AUTOCOMPA66,1607262-HA-AUTOCOMPA43,1204013-BY-1203066AR29,1103031-IV-MERGE373278,1704271-PAUL-170426273,1704207-GARW-1700STO37,1704188-GARW-R51500X80,1704186-GARW-R51600X02,1704209-GARW-1700X0135,1704181-GARW-6700KV299,1103022-IV-R910WITHB14,1112138-AR-CENTOSRHE79,1012200-IV-AMDWORKST94,1704211-GARW-FX8350647,1704212-RI-MERGE993800,1704202-GARW-1700XST61,1704242-RI-MERGE747797,1705049-RI-1610125LO76,1303075-FO-AUTOCOMPA83,1203066-AR-ALLPROCES54,1702158-KH-AUTOCOMPA98,1704210-RI-MERGE479168,1202122-AR-MERGE429901&export=csv)</p></div><div data-bbox=)

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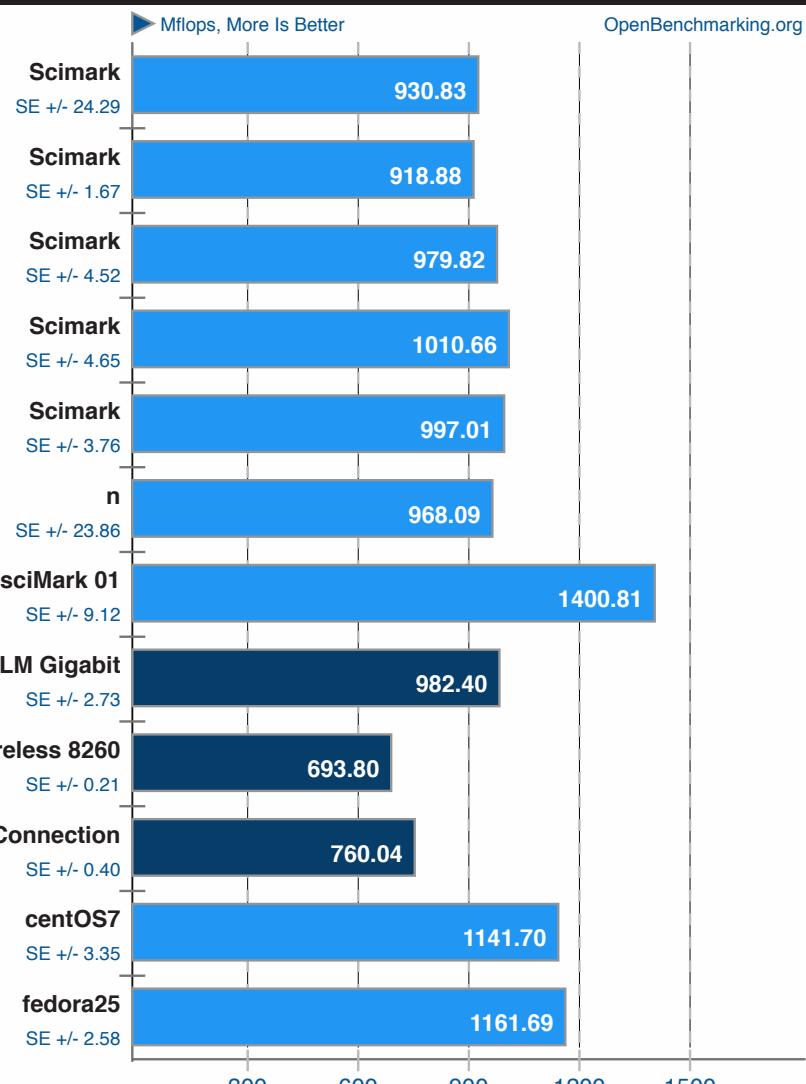
Download as PDF ([Via the OpenBenchmarking.org IDs you can analyze the results from a Phoronix Test Suite client. You can also use the export options below for external analysis.](/result/1704268-KH-RESULTSCI83,1109299-LI-PERSIMMON26,1705023-RI-SCOBS22982,1705016-RI-1103033IV93,1109294-LI-PERSIMMON10,1203056-AR-ALLPROCES20,1605180-GA-BROADWELL54,1505293-DE-OPENSUSE137,1605182-GA-BROADWELL40,1210245-RA-1210199RA03,1306223-UT-JHTWXEON171,1304117-LSAU-MERGE2788,1504190-SO-AMDFX832034,1610246-PAZP-MERGE7523,1012227-IV-ATOMIONNE35,1701078-KH-AHFHEM79807,1505294-DE-OPENSUSE154,1210295-SU-10242012148,1103157-IV-MERGE669491,1302143-RA-AUTOCOMPA91,1703174-RI-20170317050,1601203-BE-UBERMAKI800,1605172-THOM-DELLLAT15,1303275-FO-AUTOCOMPA27,1601201-BE-UBERMAKI748,1611178-LO-TUXEDOINF58,1410081-BY-MERGE266356,1406136-PL-1406125PL22,1411197-SUPE-TESTE4031,1103154-IV-MERGE669496,1605138-THOM-TUXEDOI61,1609050-HA-AUTOCOMPA21,1607188-MATT-GREVY3884,1103031-IV-MERGE615897,1309140-SO-Q9300248251,1605187-GA-BROADWELL90,1601212-BE-UBERMAKI336,1601219-BE-UBERMAKI713,1704212-RI-UBUNTU16002,1111167-LI-ARCHLINUX26,1608265-HA-AUTOCOMPA60,1310232-SO-1210292SU78,1704081-RI-KDESL526386,1601215-BE-UBERMAKI853,1601208-BE-UBERMAKI419,1512055-HA-HOMESENTE61,1208110-SU-CLOUDHARM78,1202125-AR-MERGE143519,1605137-THOM-LENOVOT50,1607187-MATT-GREVY4360,1704262-PAUL-PROCESS05,1309197-SO-1309140SO28,1608142-MATT-MACMAHO00,1704206-GARW-1700OC348,1610268-PAZP-MERGE3797,1210292-SU-10242012539,1608173-MATT-CARNOT365,1704181-GARW-2C6788452,1608307-HA-AUTOCOMPA66,1607262-HA-AUTOCOMPA43,1204013-BY-1203066AR29,1103031-IV-MERGE373278,1704271-PAUL-170426273,1704207-GARW-1700STO37,1704188-GARW-R51500X80,1704186-GARW-R51600X02,1704209-GARW-1700X0135,1704181-GARW-6700KV299,1103022-IV-R910WITHB14,1112138-AR-CENTOSRHE79,1012200-IV-AMDWORKST94,1704211-GARW-FX8350647,1704212-RI-MERGE993800,1704202-GARW-1700XST61,1704242-RI-MERGE747797,1705049-RI-1610125LO76,1303075-FO-AUTOCOMPA83,1203066-AR-ALLPROCES54,1702158-KH-AUTOCOMPA98,1704210-RI-MERGE479168,1202122-AR-MERGE429901&export=pdf)</p></div><div data-bbox=)

SciMark v2.0

Computational Test: Composite

ptsli

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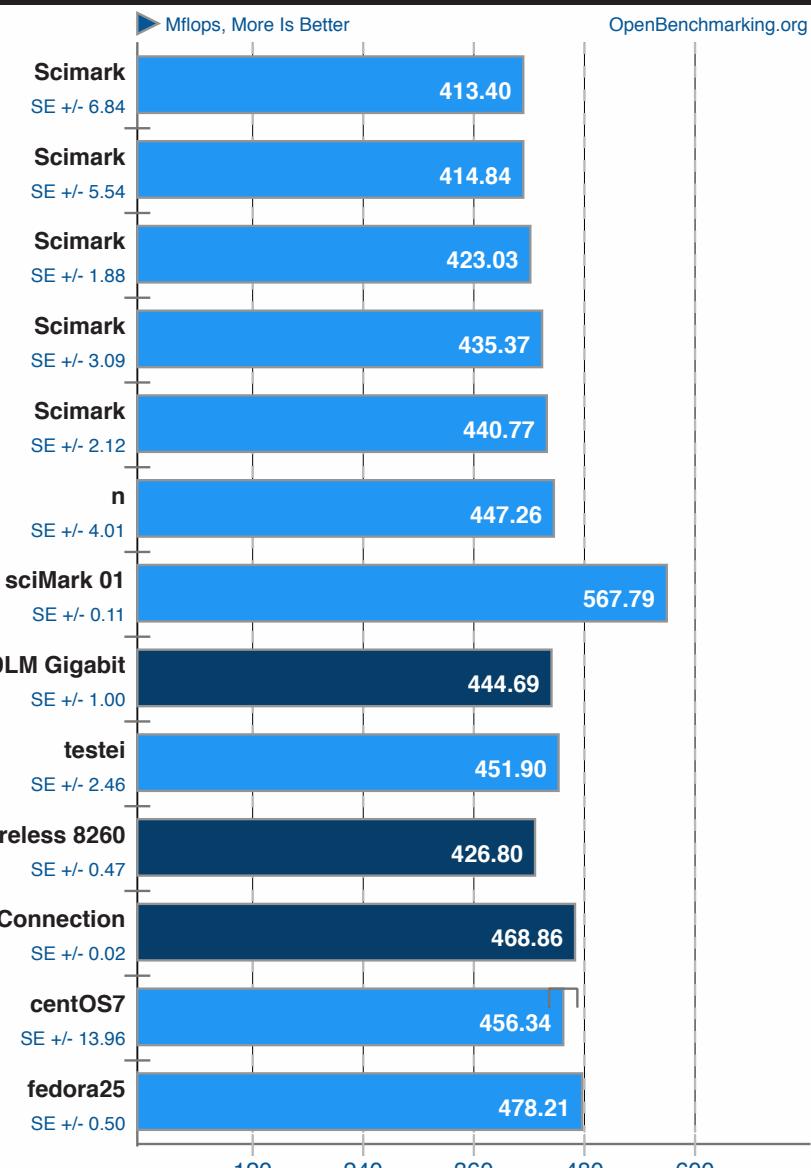
Phoronix Test Suite 7.0.0

SciMark v2.0

Computational Test: Monte Carlo



OpenBenchmarking.org



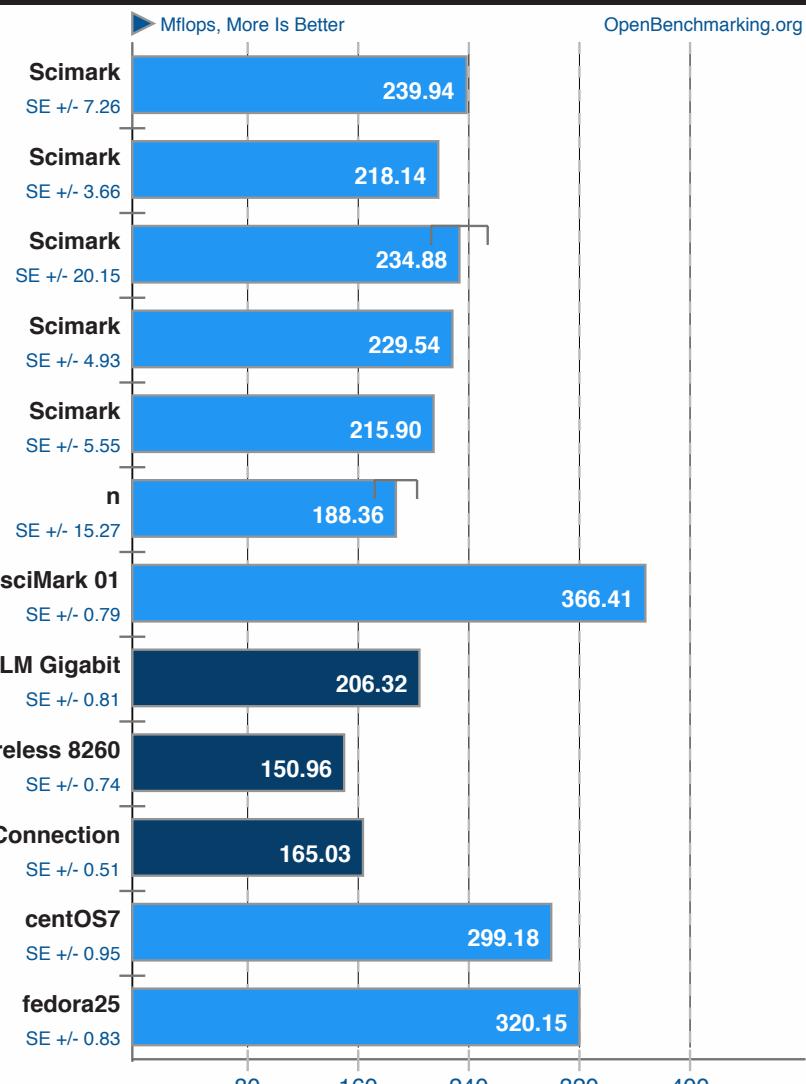
Phoronix Test Suite 7.0.0

SciMark v2.0

Computational Test: Fast Fourier Transform

ptsli

OpenBenchmarking.org



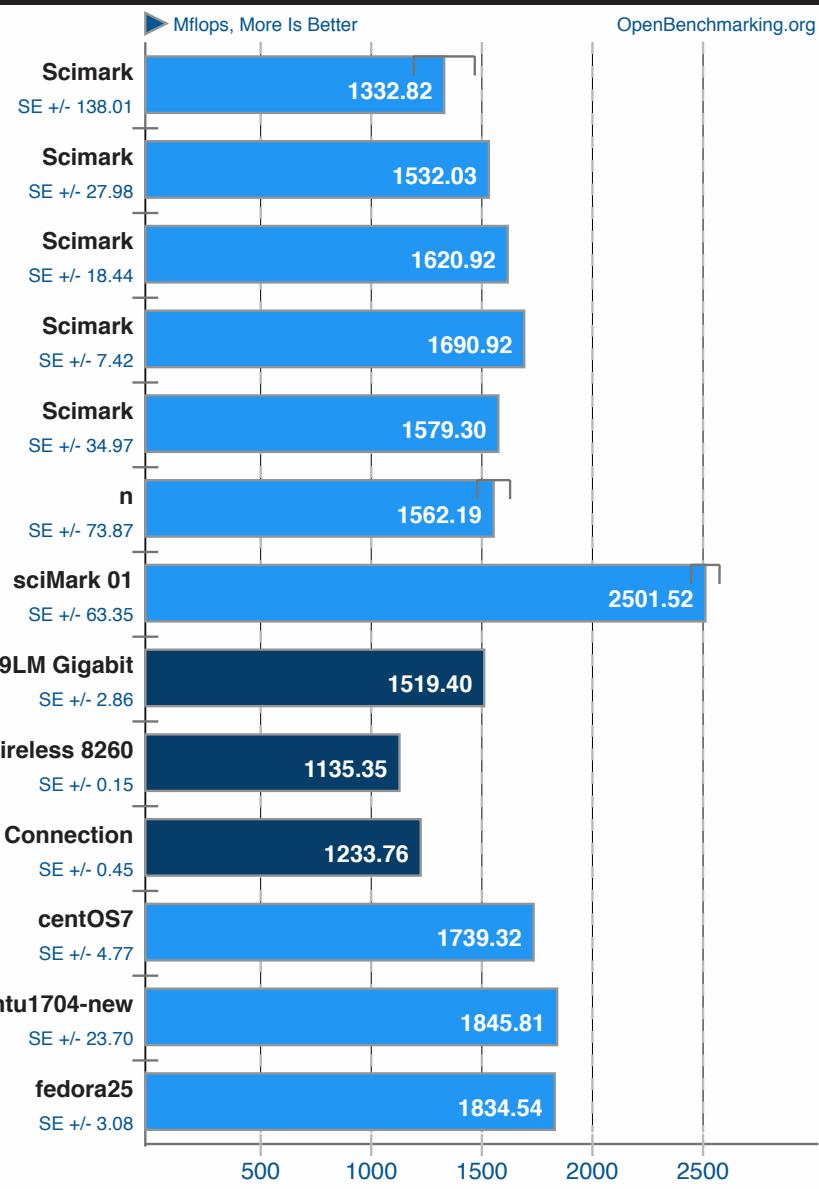
Phoronix Test Suite 7.0.0

SciMark v2.0

Computational Test: Sparse Matrix Multiply



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Phoronix Test Suite 7.0.0

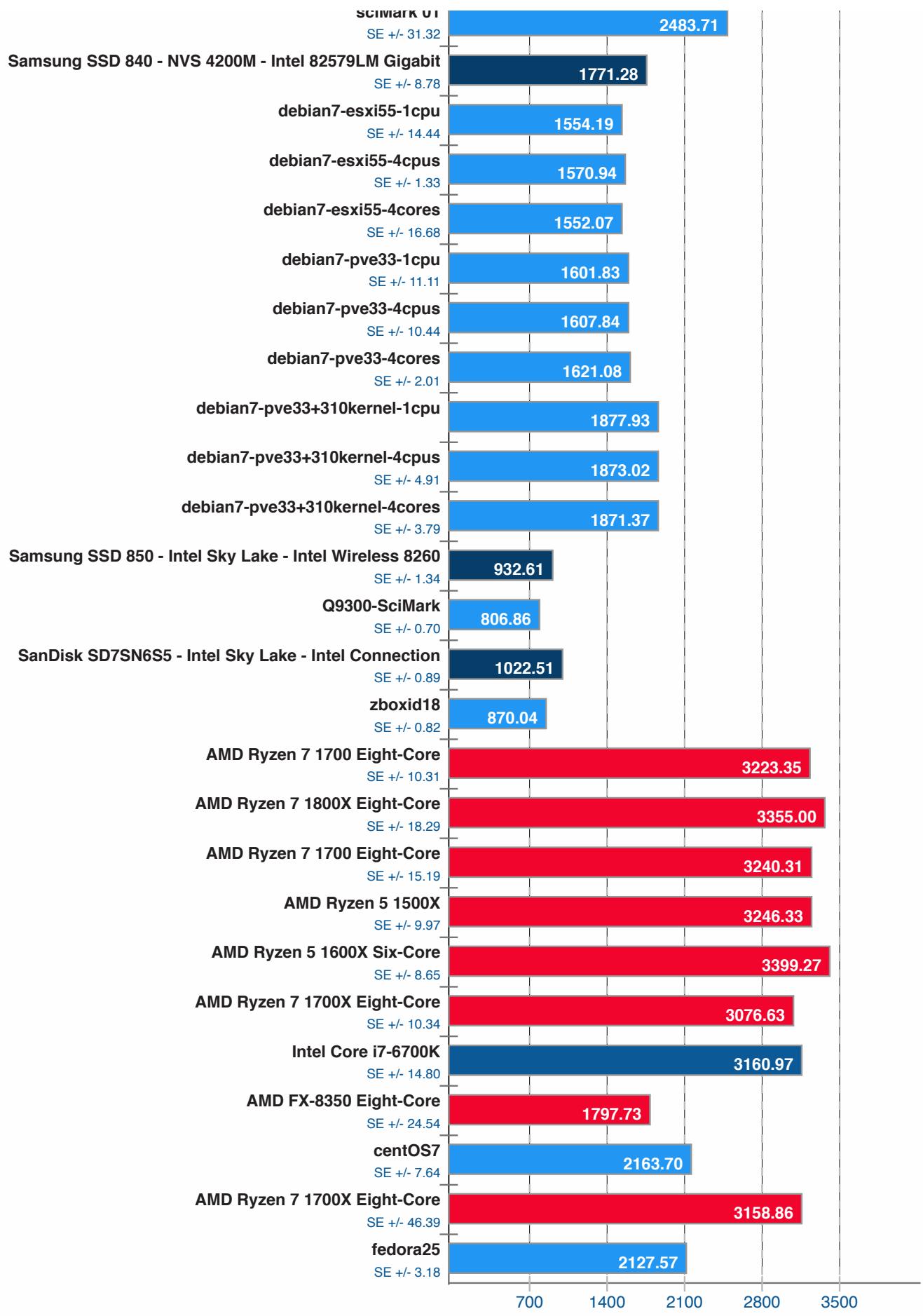
SciMark v2.0

Computational Test: Dense LU Matrix Factorization



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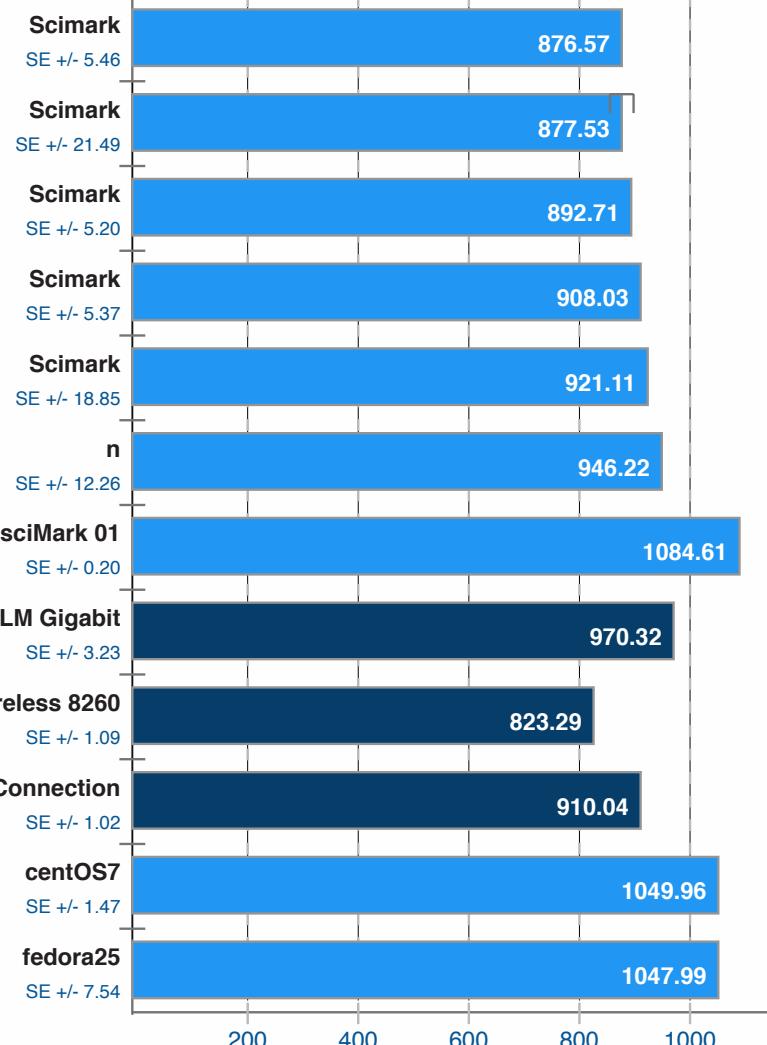
SciMark v2.0

Computational Test: Jacobi Successive Over-Relaxation



► Mflops, More Is Better

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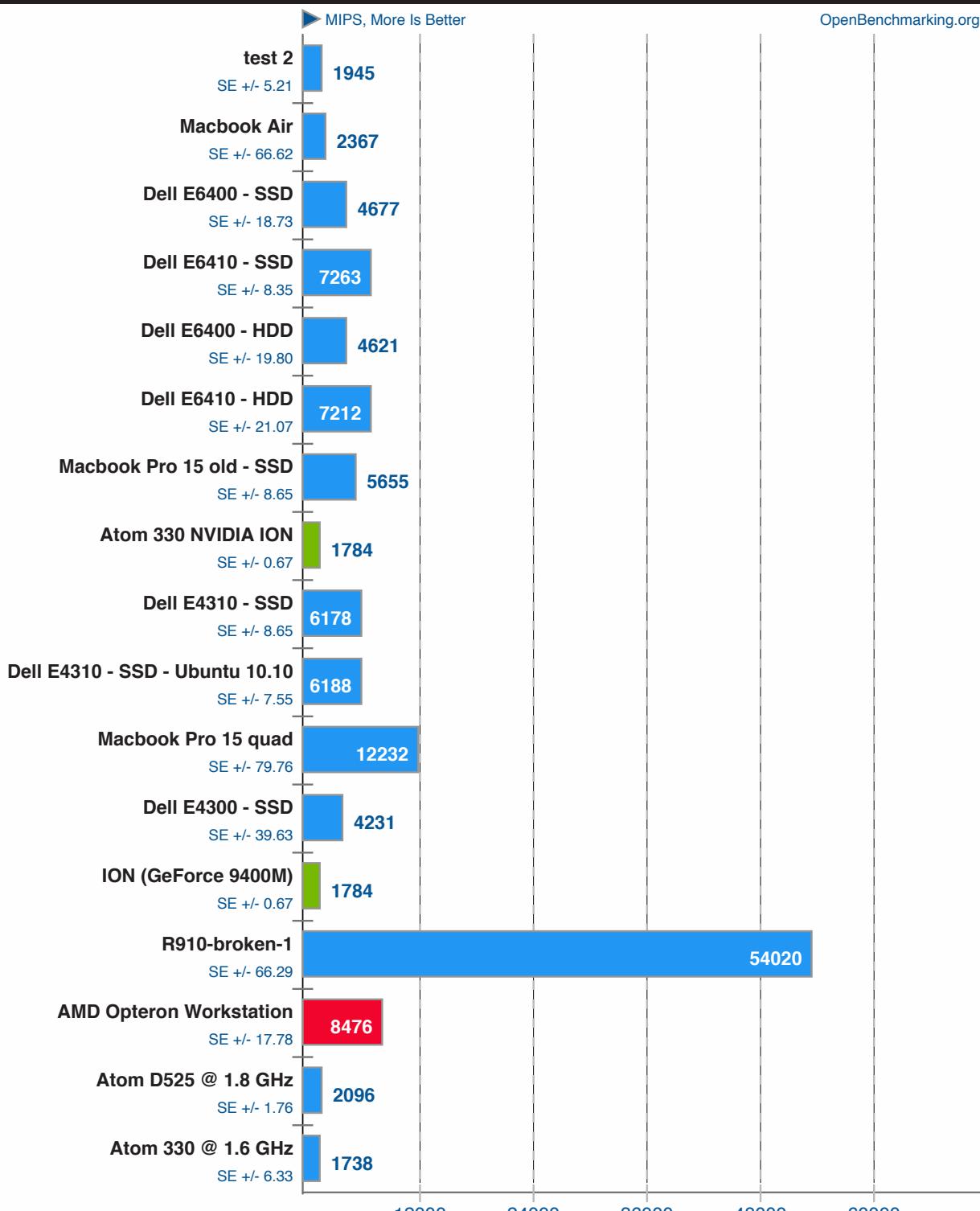
Phoronix Test Suite 7.0.0

7-Zip Compression v9.13

Compress Speed Test

ptsli

OpenBenchmarking.org



Phoronix Test Suite 7.0.0

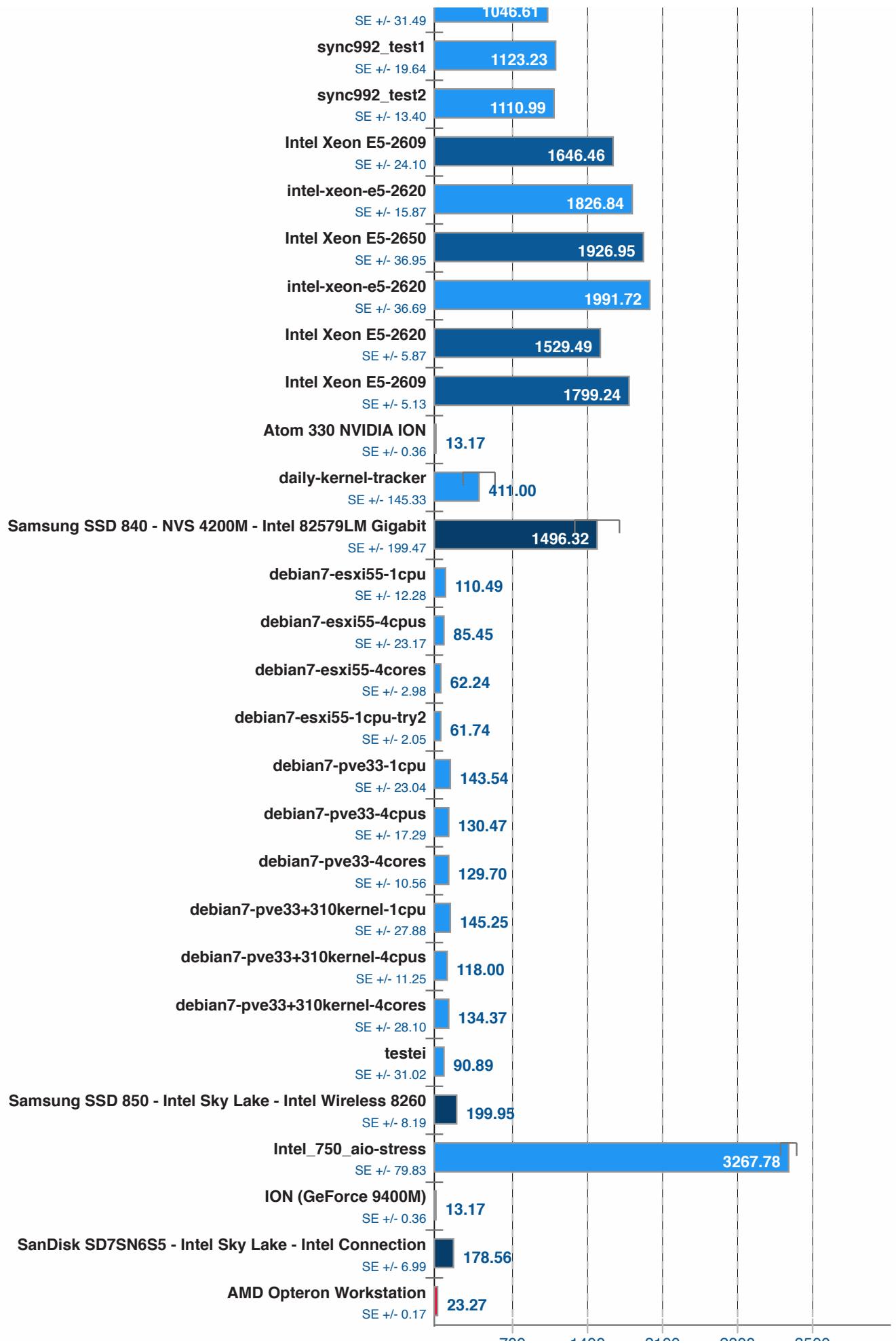
AIO-Stress v0.21

Test: Random Write

ptsli

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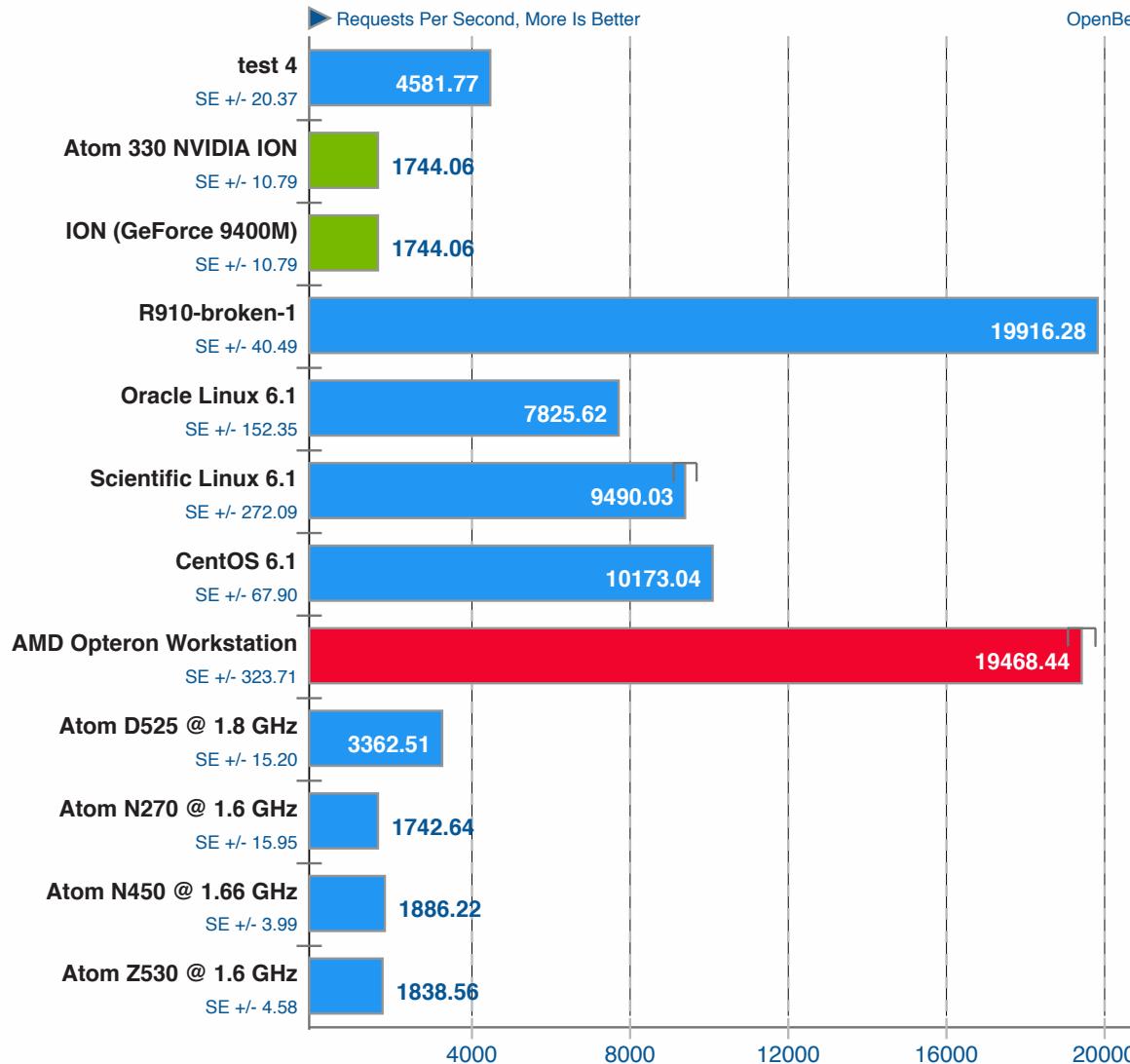
1. (CC) gcc options: -lao

Apache Benchmark v2.2.17

Static Web Page Serving



OpenBenchmarking.org



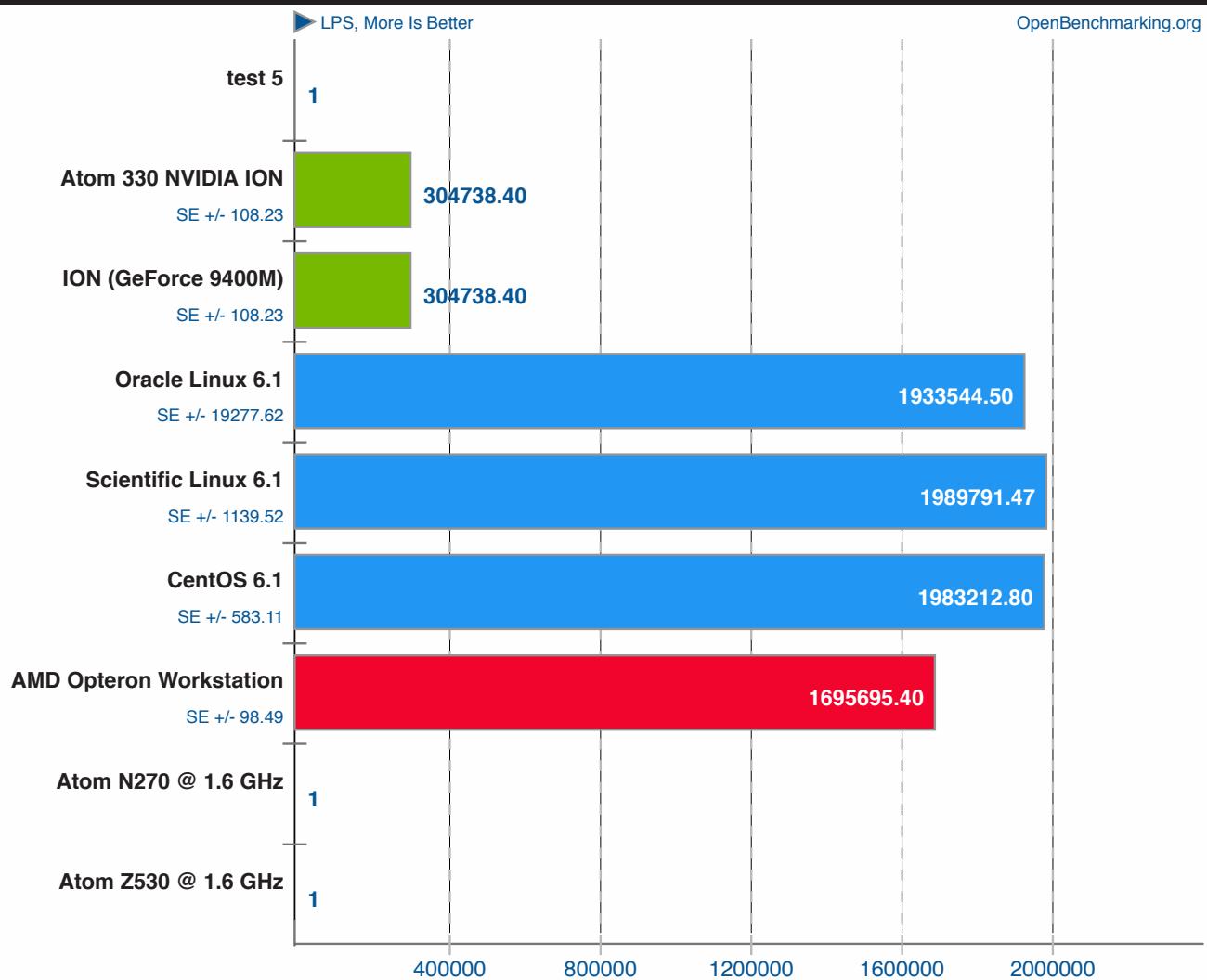
Phoronix Test Suite 7.0.0

BYTE Unix Benchmark v3.6

Computational Test: Floating-Point Arithmetic

ptsli

OpenBenchmarking.org



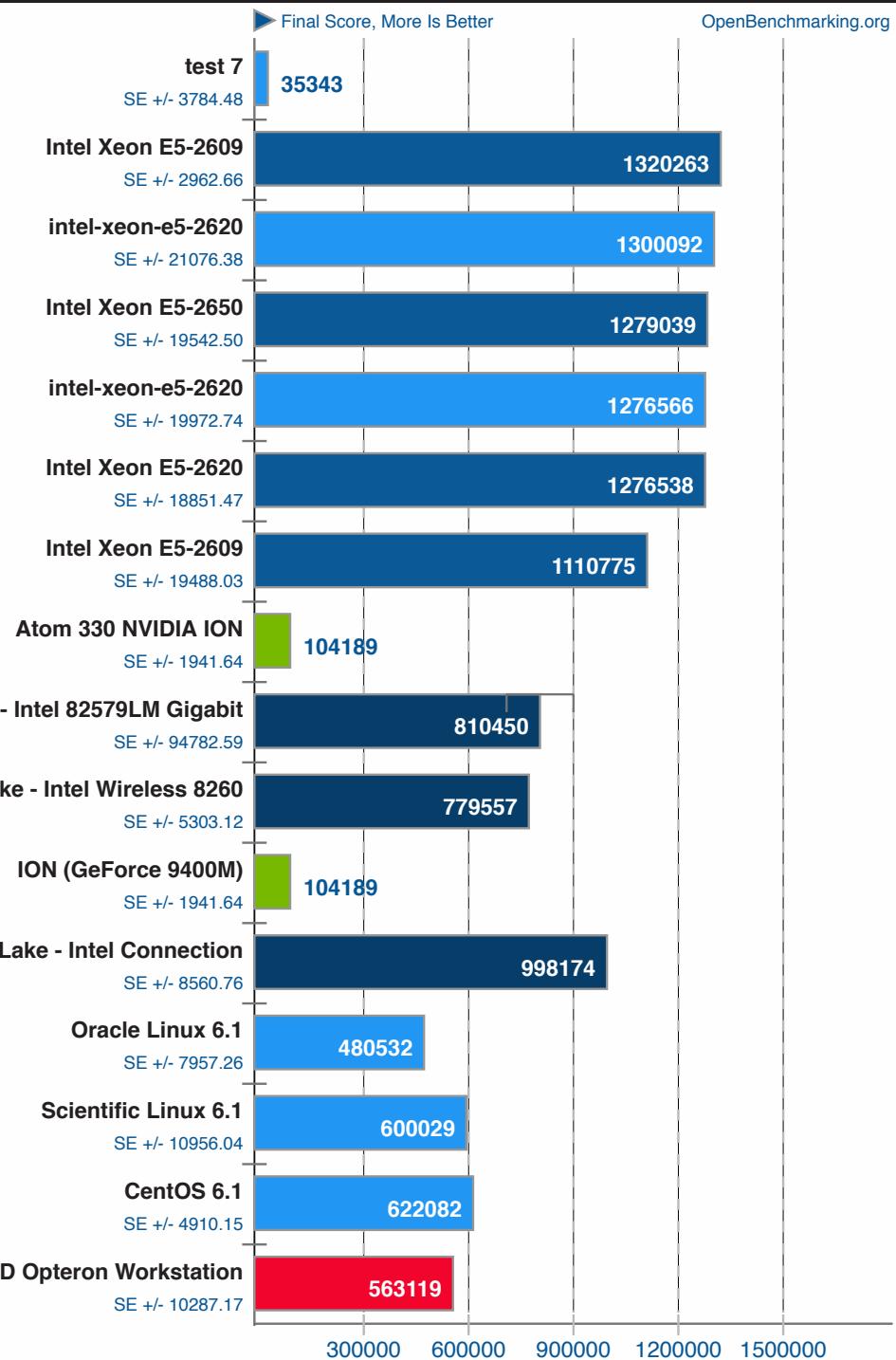
Phoronix Test Suite 7.0.0

BlogBench v1.0

Test: Read



OpenBenchmarking.org



1. (CC) gcc options: -O2 -pthread

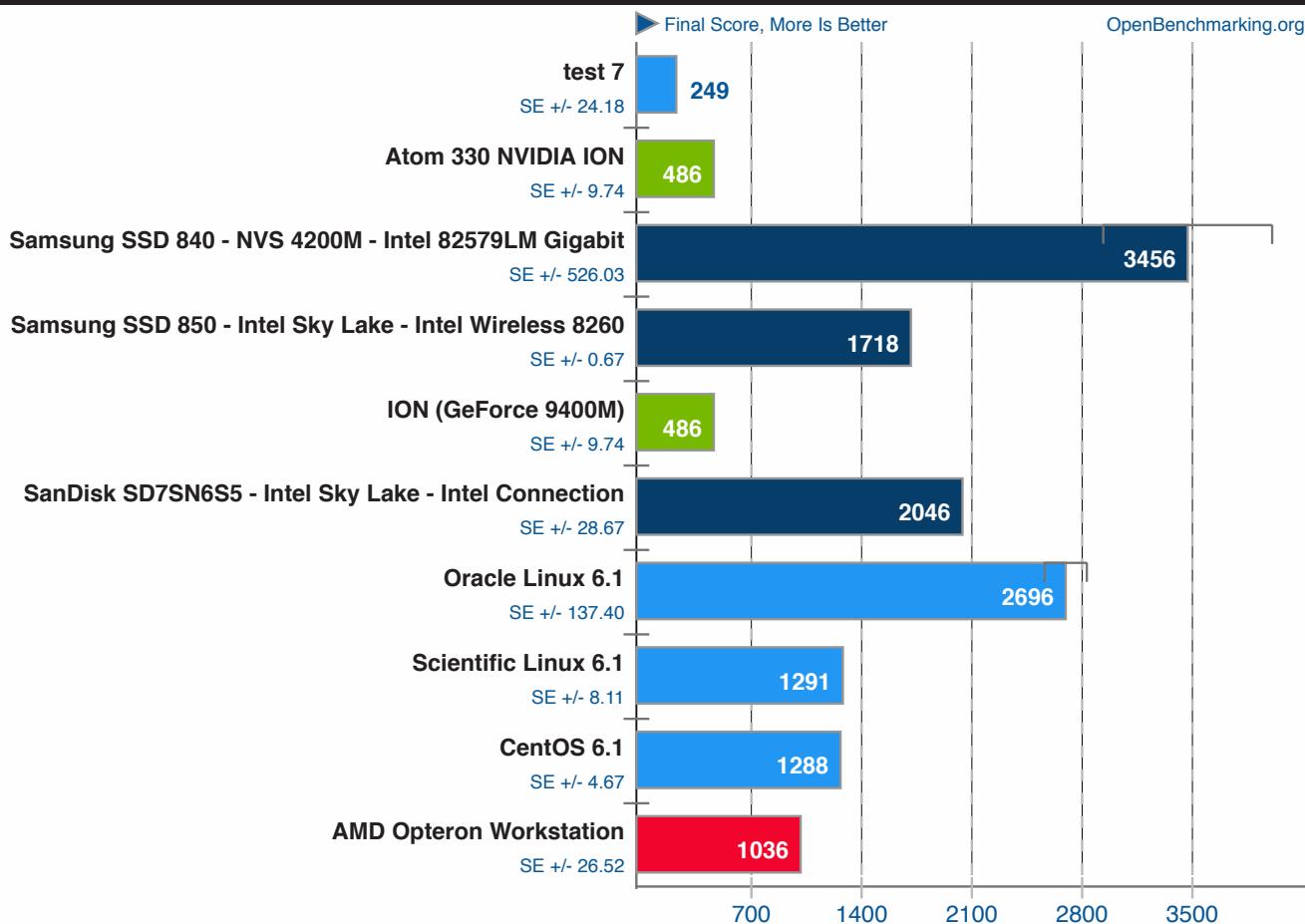
Phoronix Test Suite 7.0.0

BlogBench v1.0

Test: Write



OpenBenchmarking.org



1. (CC) gcc options: -O2 -pthread

Phoronix Test Suite 7.0.0

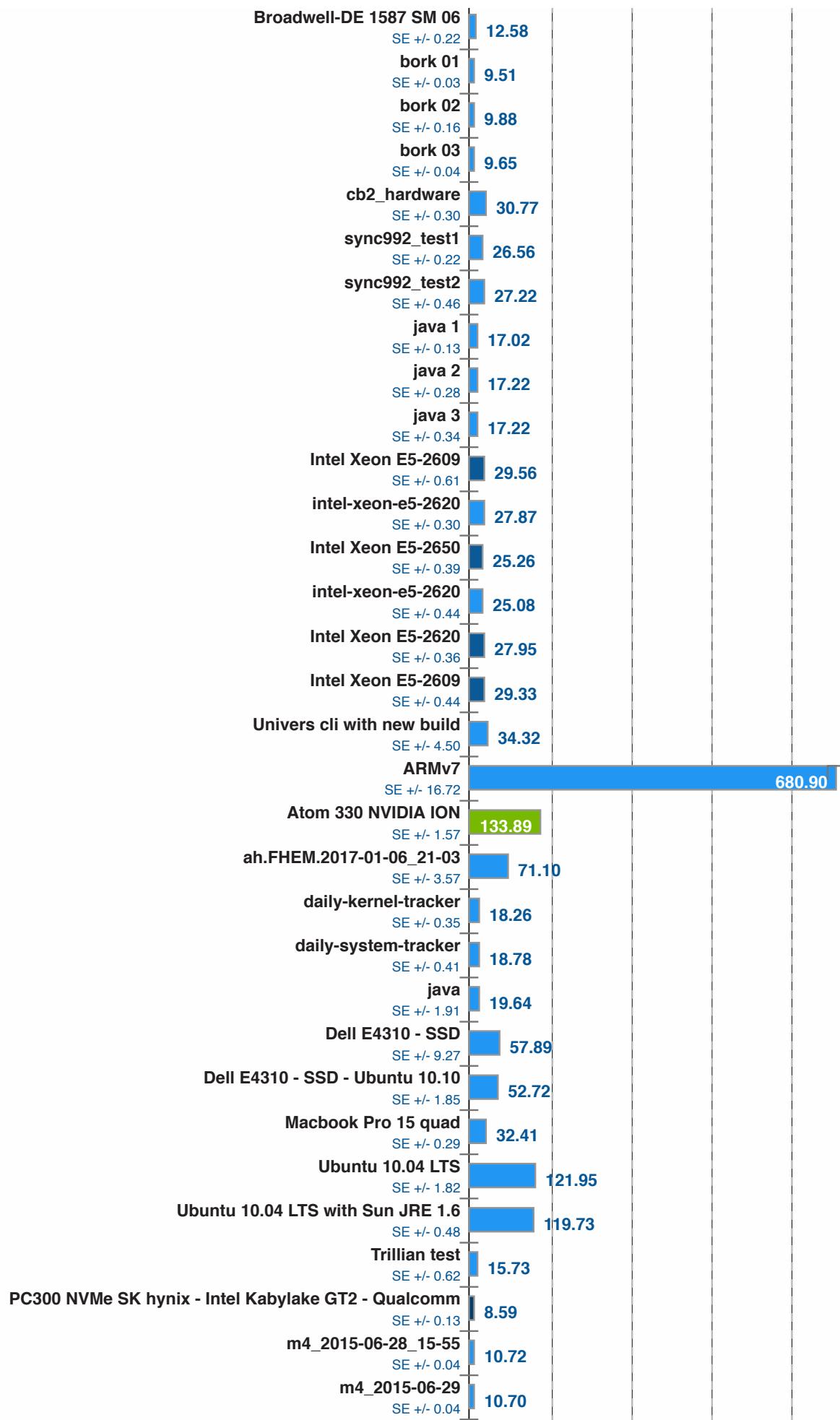
Bork File Encrypter v1.4

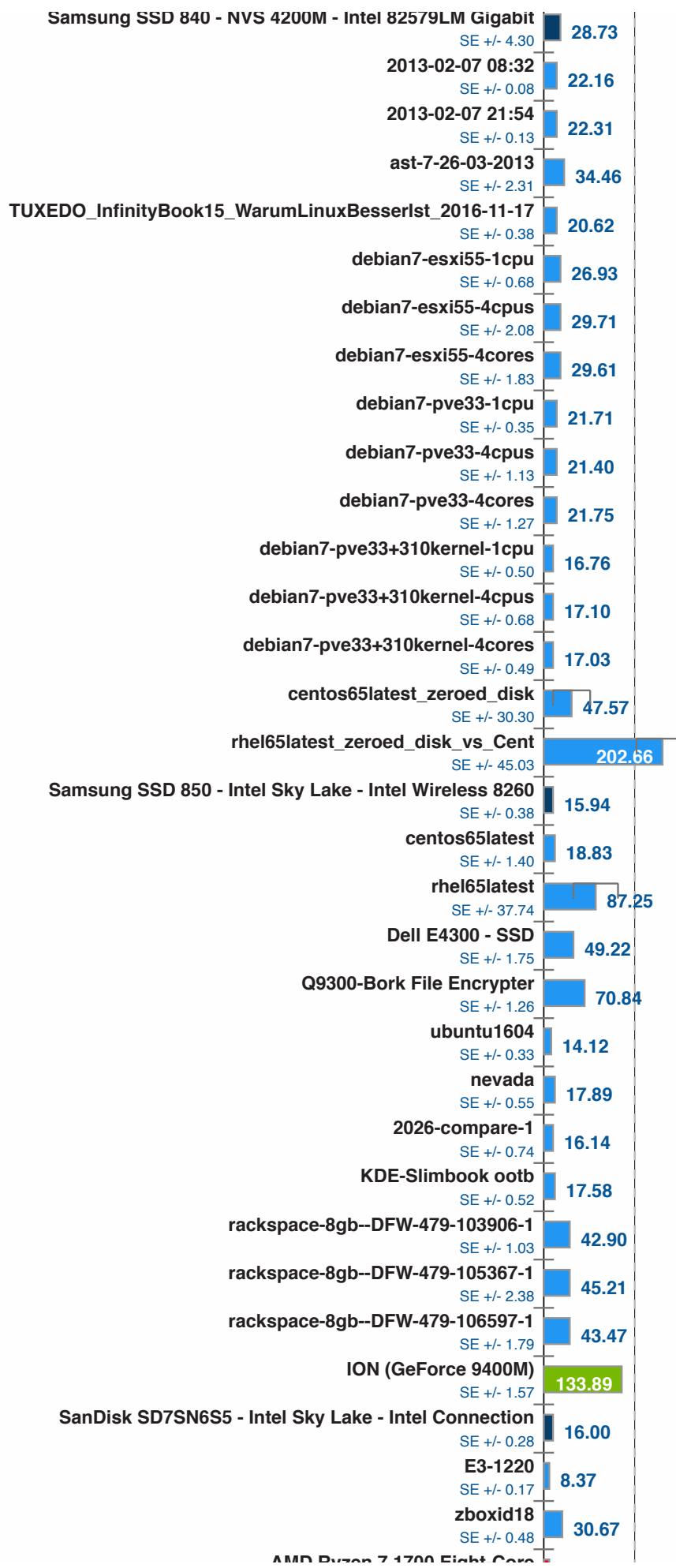
File Encryption Time

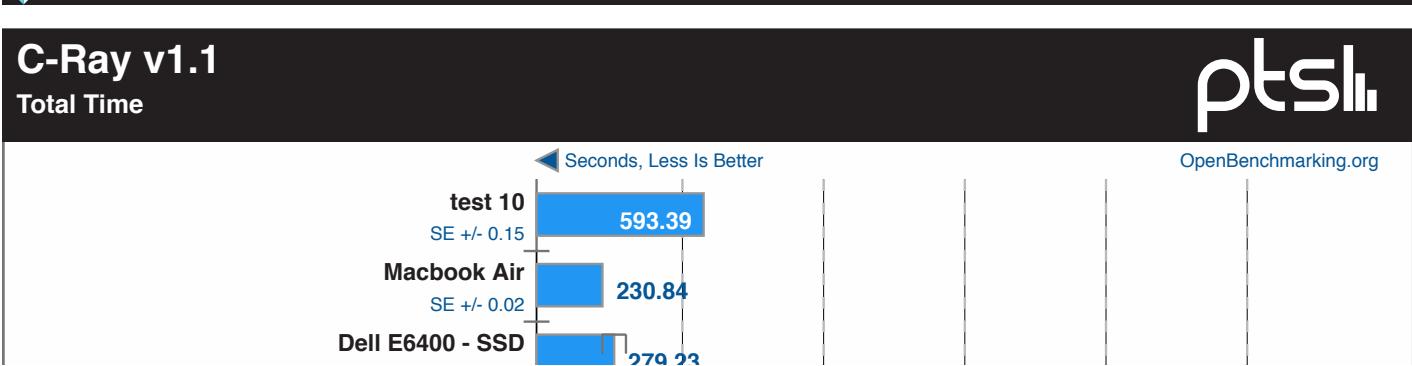
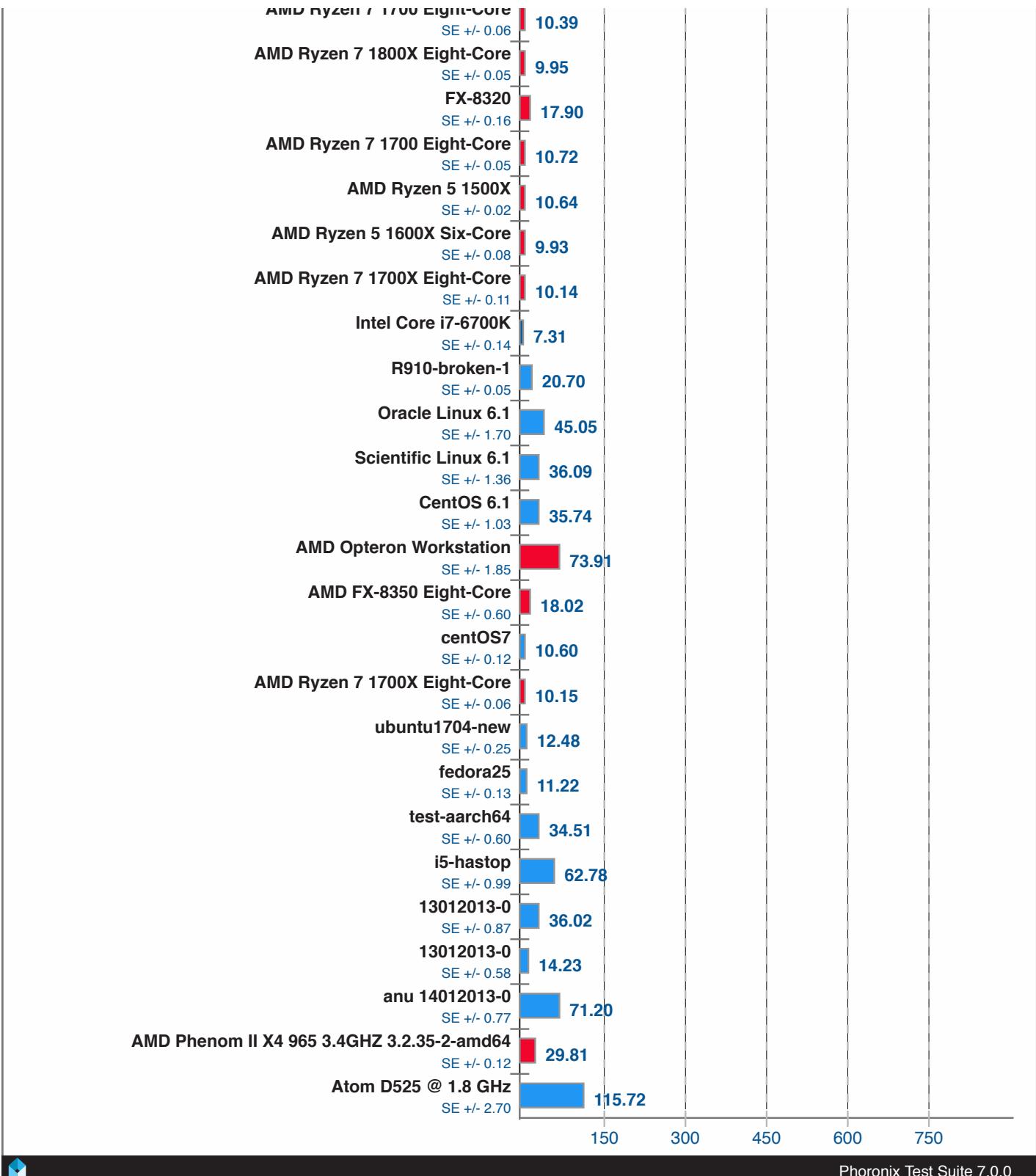


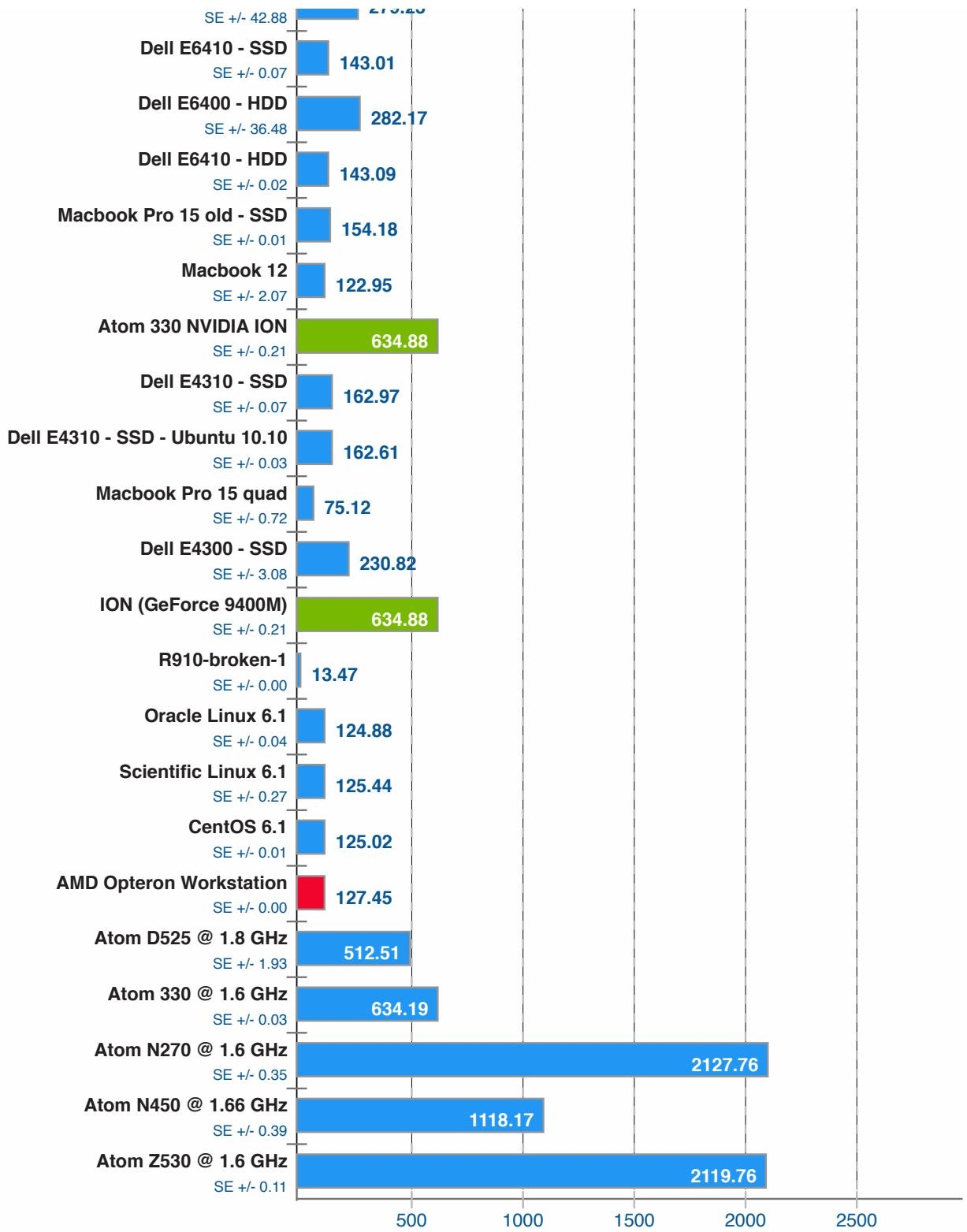
OpenBenchmarking.org











1. (CC) gcc options: -fno-strict-aliasing -O3 -ffast-math

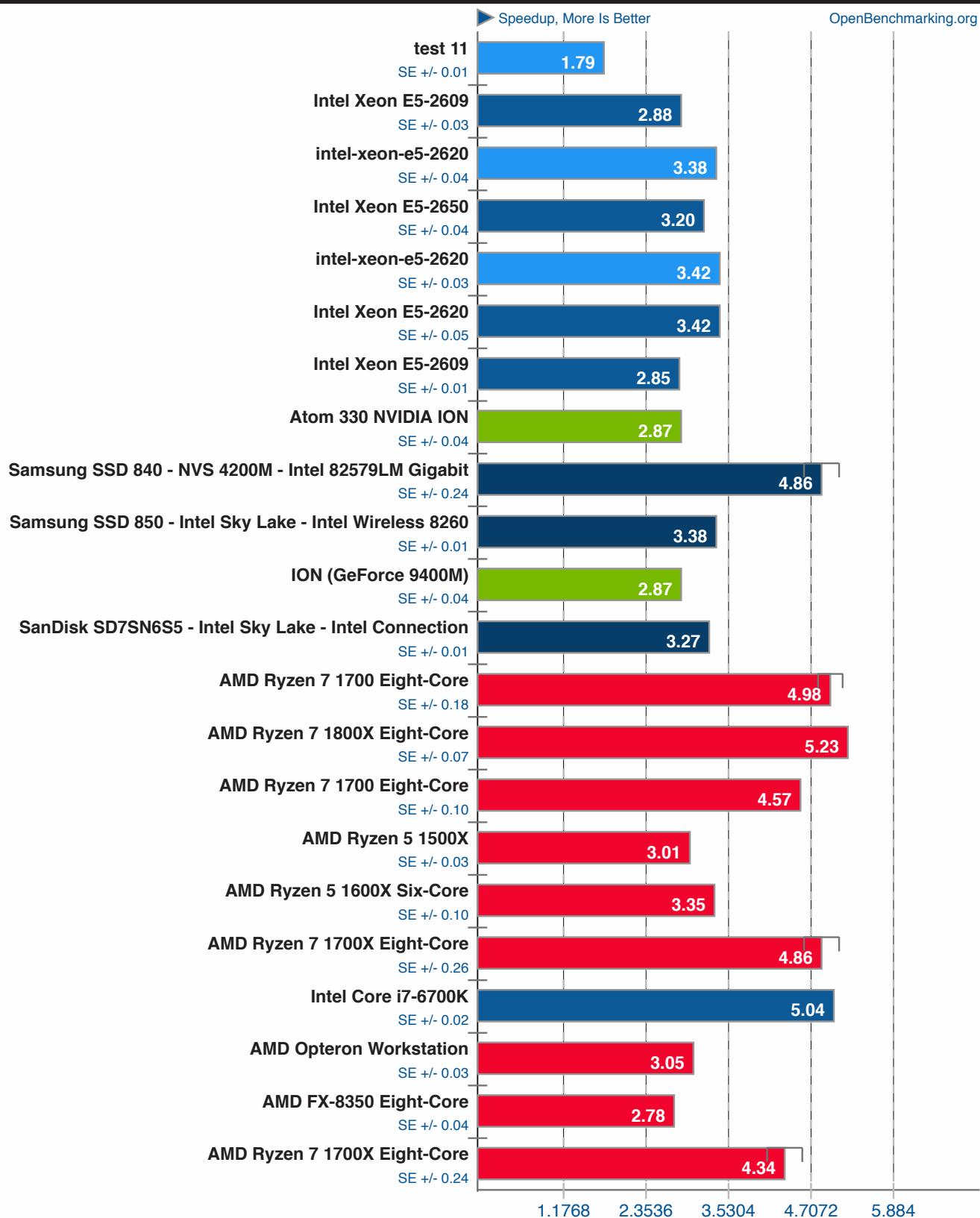
Phoronix Test Suite 7.0

CLOMP v3.3

Static OMP Speedup

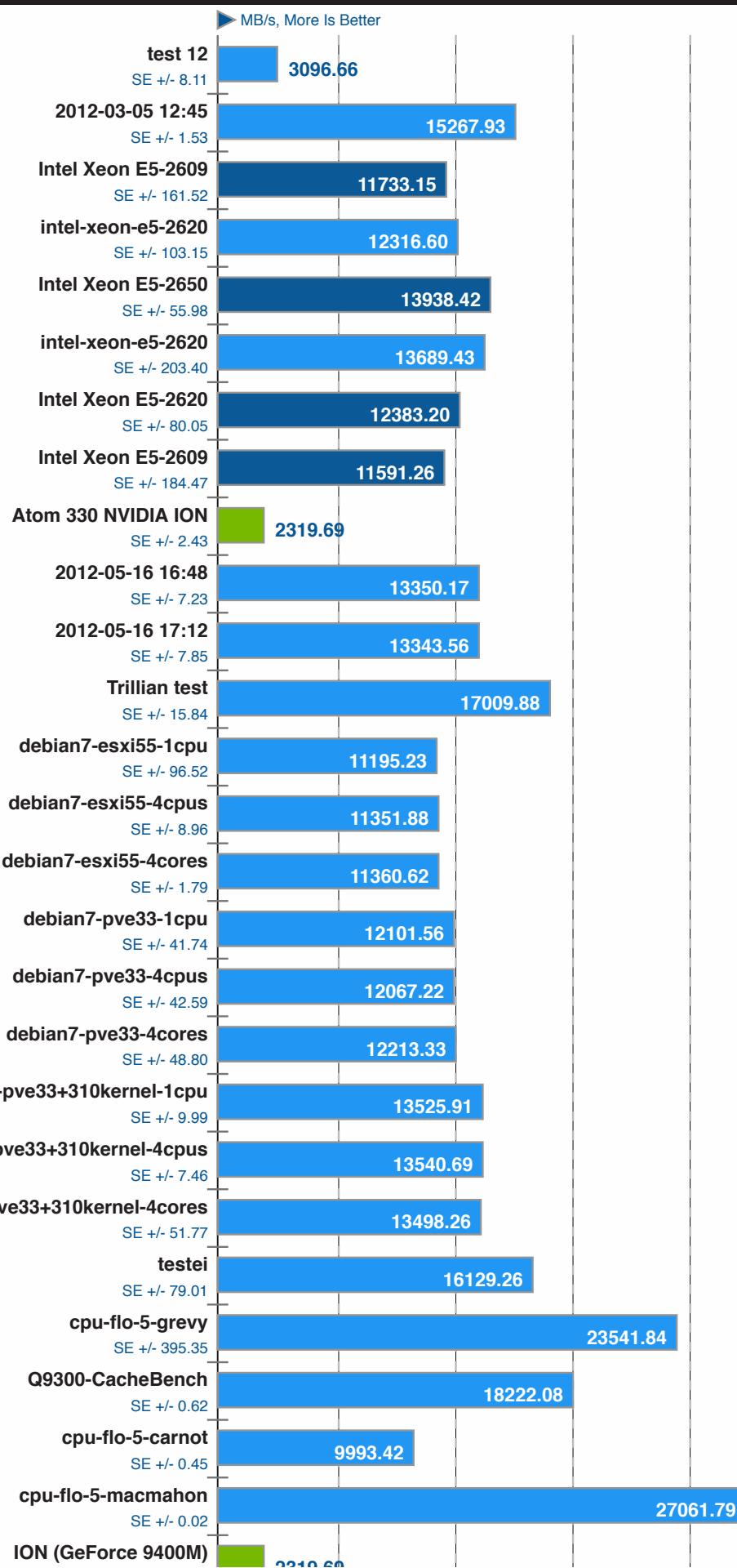
ptsli

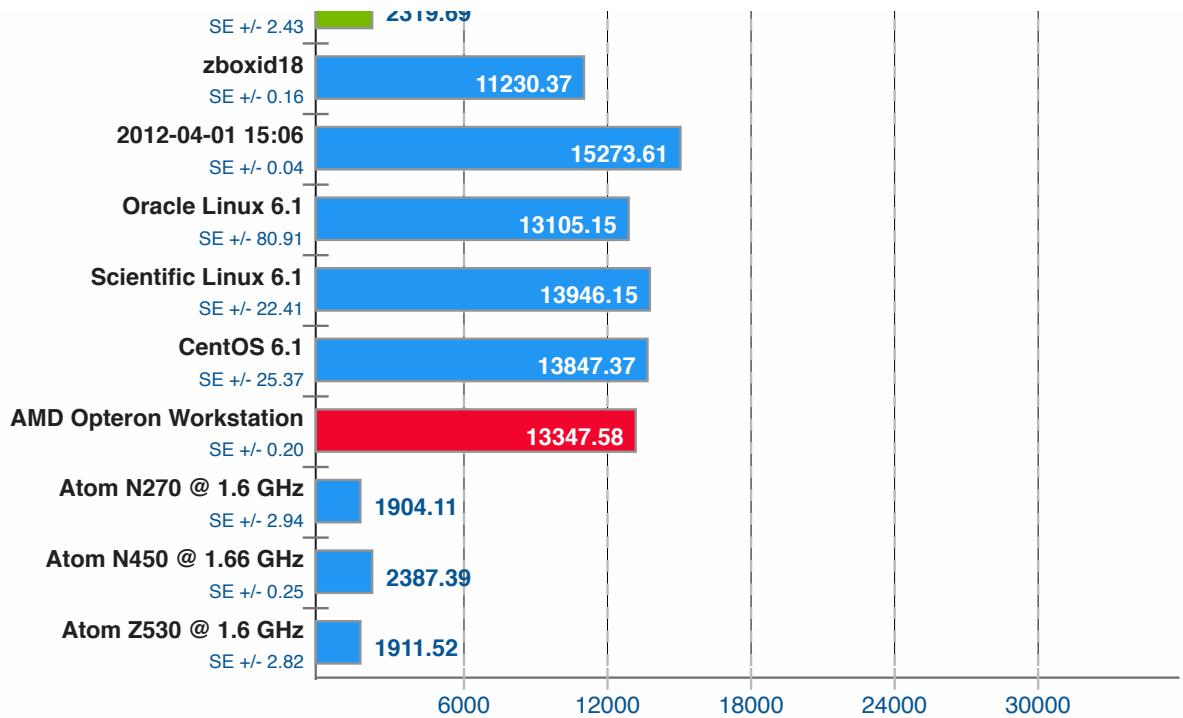
OpenBenchmarking.org



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

Phoronix Test Suite 7.0.0



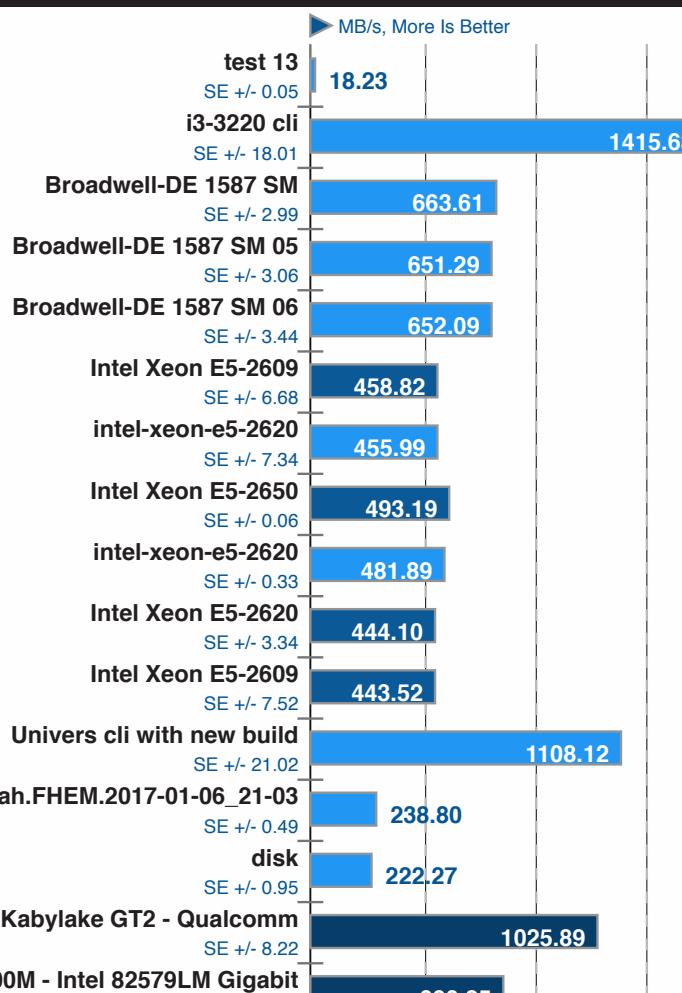


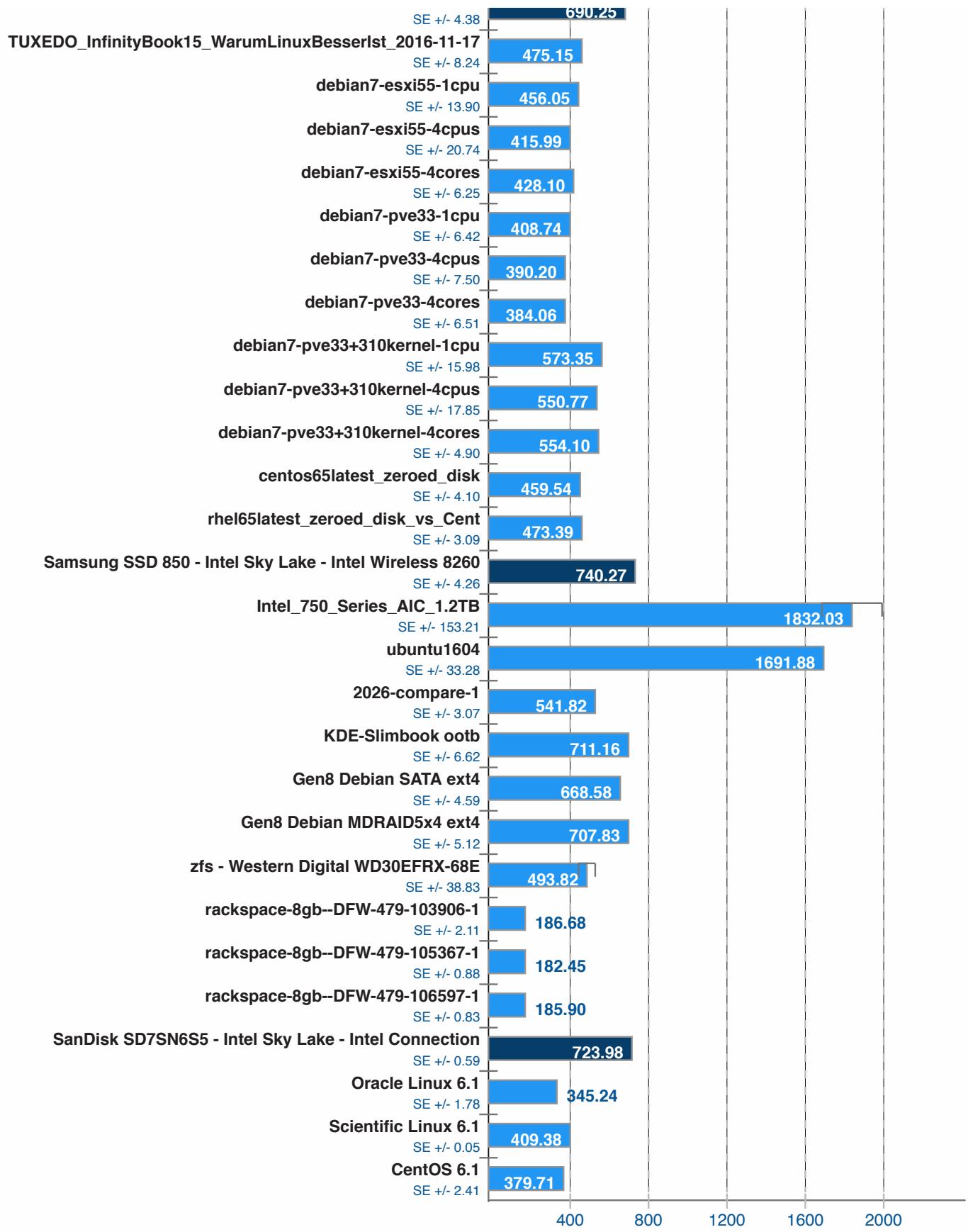
1. (CC) gcc options: -lrt

Phoronix Test Suite 7.0.0

Compile Bench v0.6

Test: Read Compiled Tree





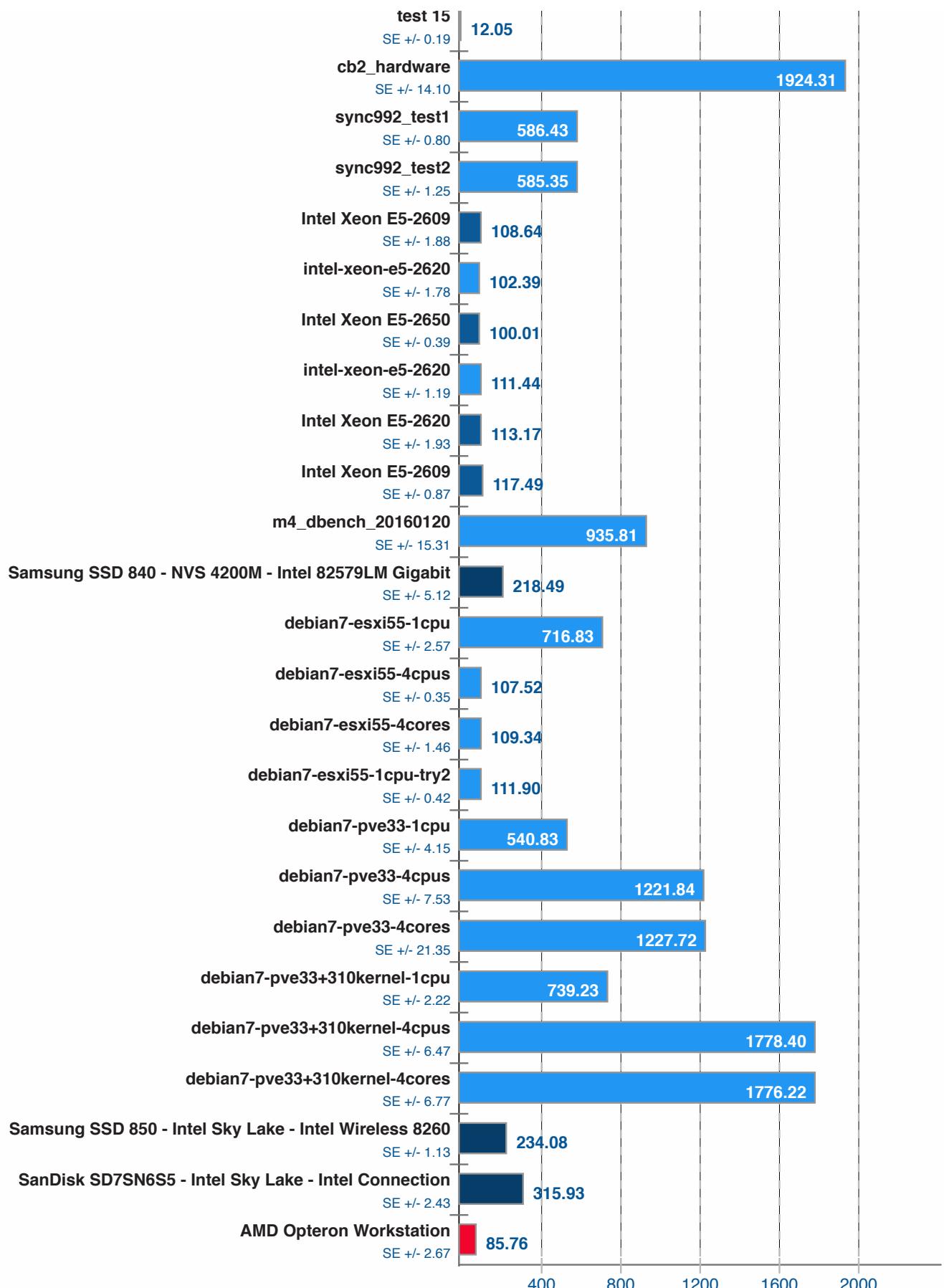
Phoronix Test Suite 7.0.0

Dbench v4.0
Client Count: 256

ptsli

► MB/s, More Is Better

OpenBenchmarking.org

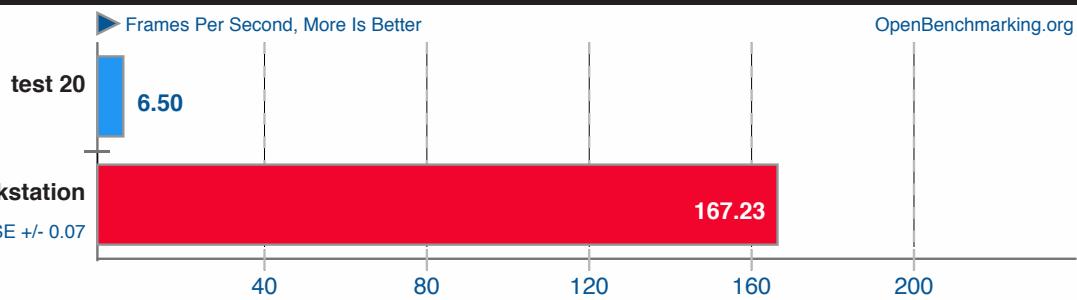


Enemy Territory v2.60

Resolution: 1920 x 1080



OpenBenchmarking.org



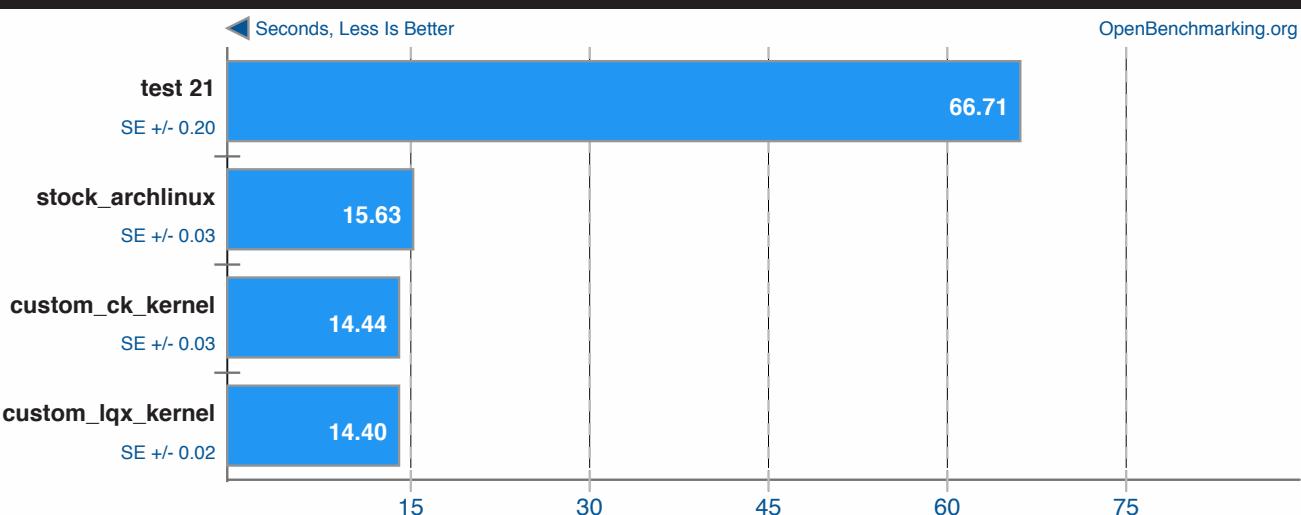
Phoronix Test Suite 7.0.0

FFmpeg v0.8.2

AVI To NTSC VCD



OpenBenchmarking.org



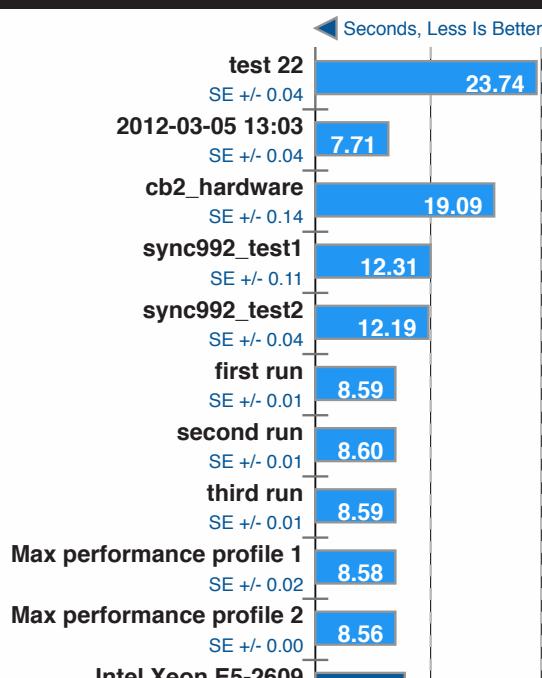
Phoronix Test Suite 7.0.0

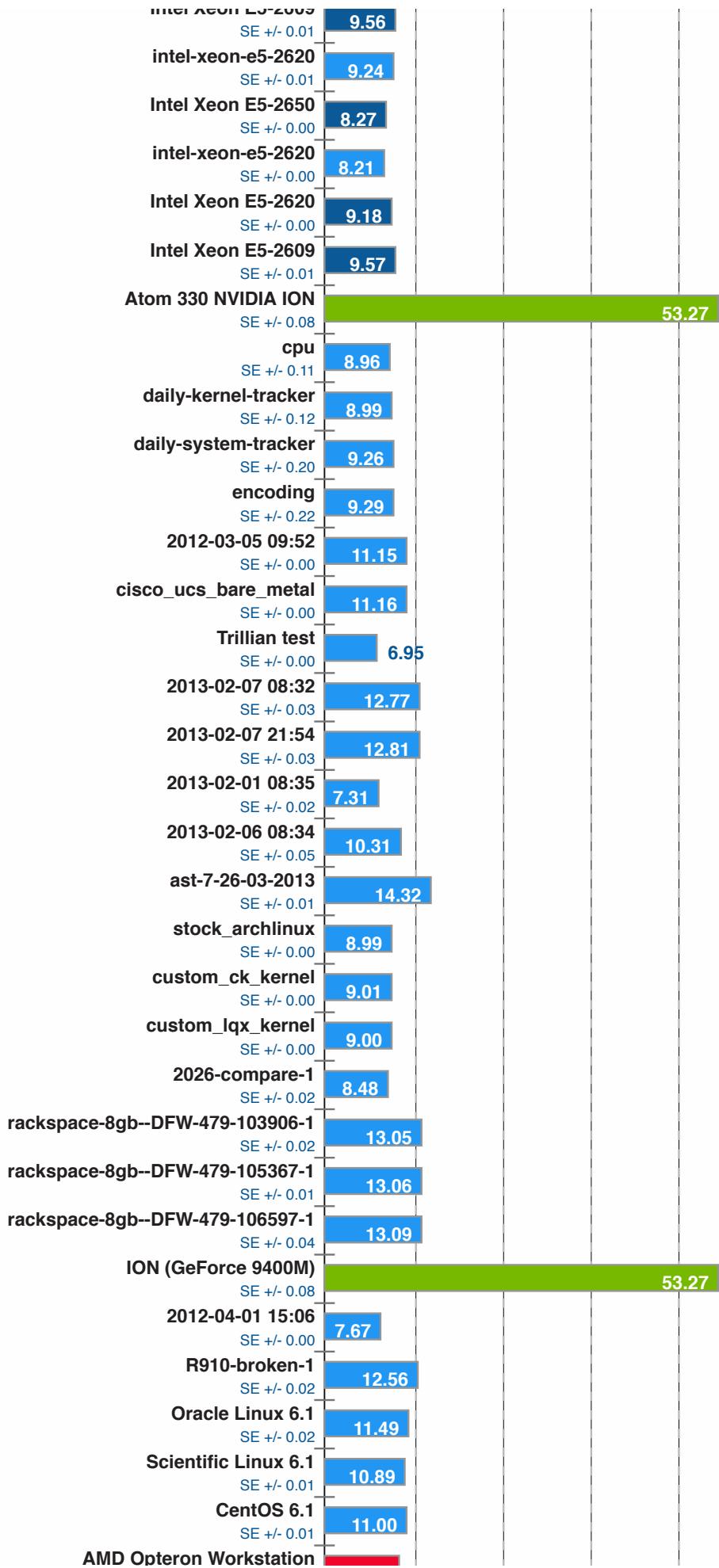
FLAC Audio Encoding v1.2.1

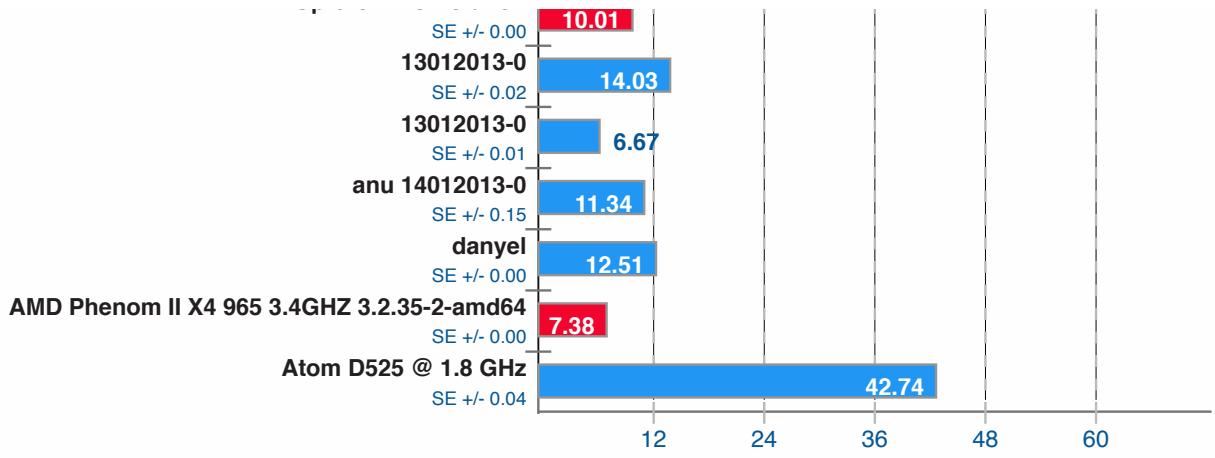
WAV To FLAC



OpenBenchmarking.org

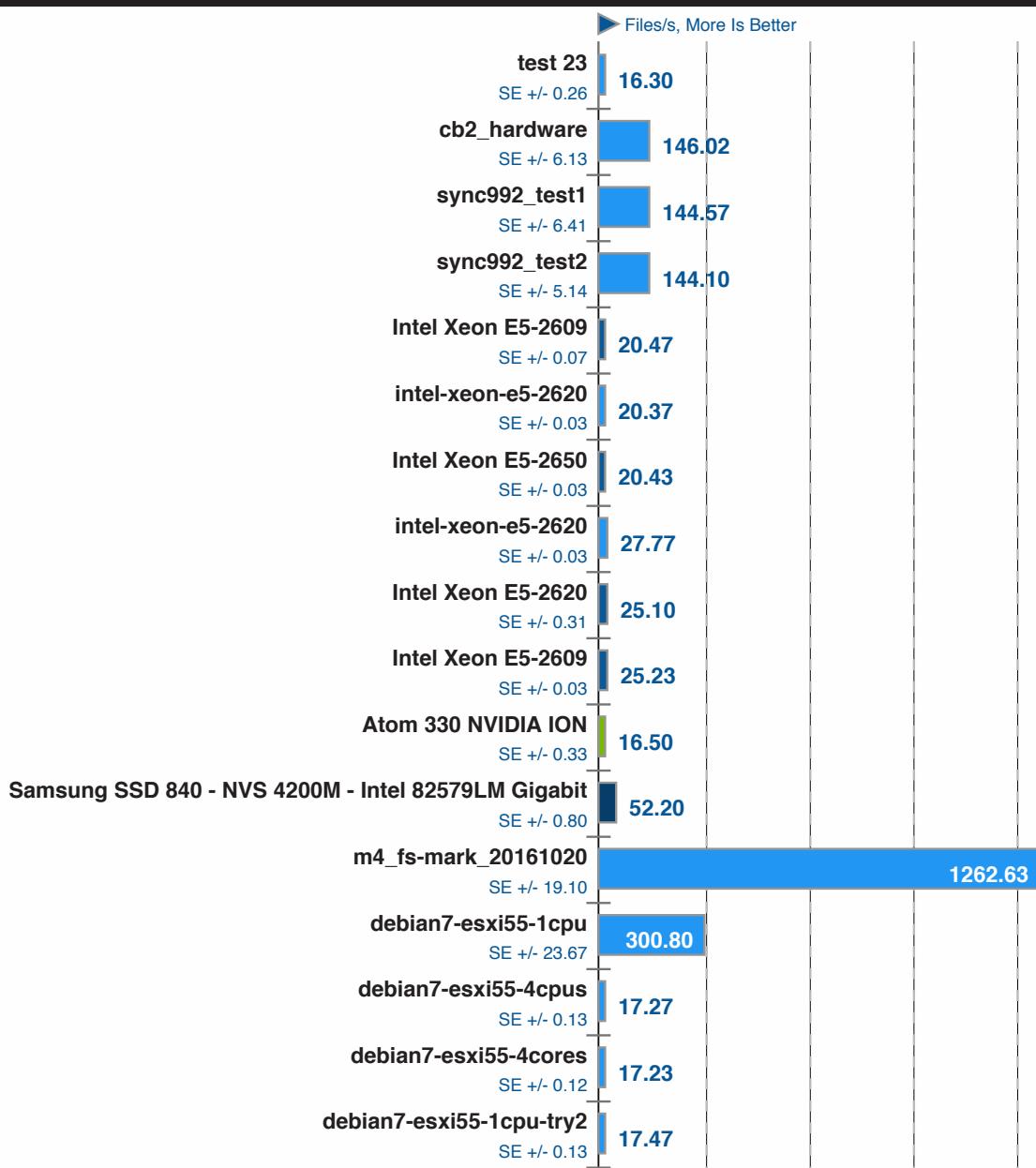


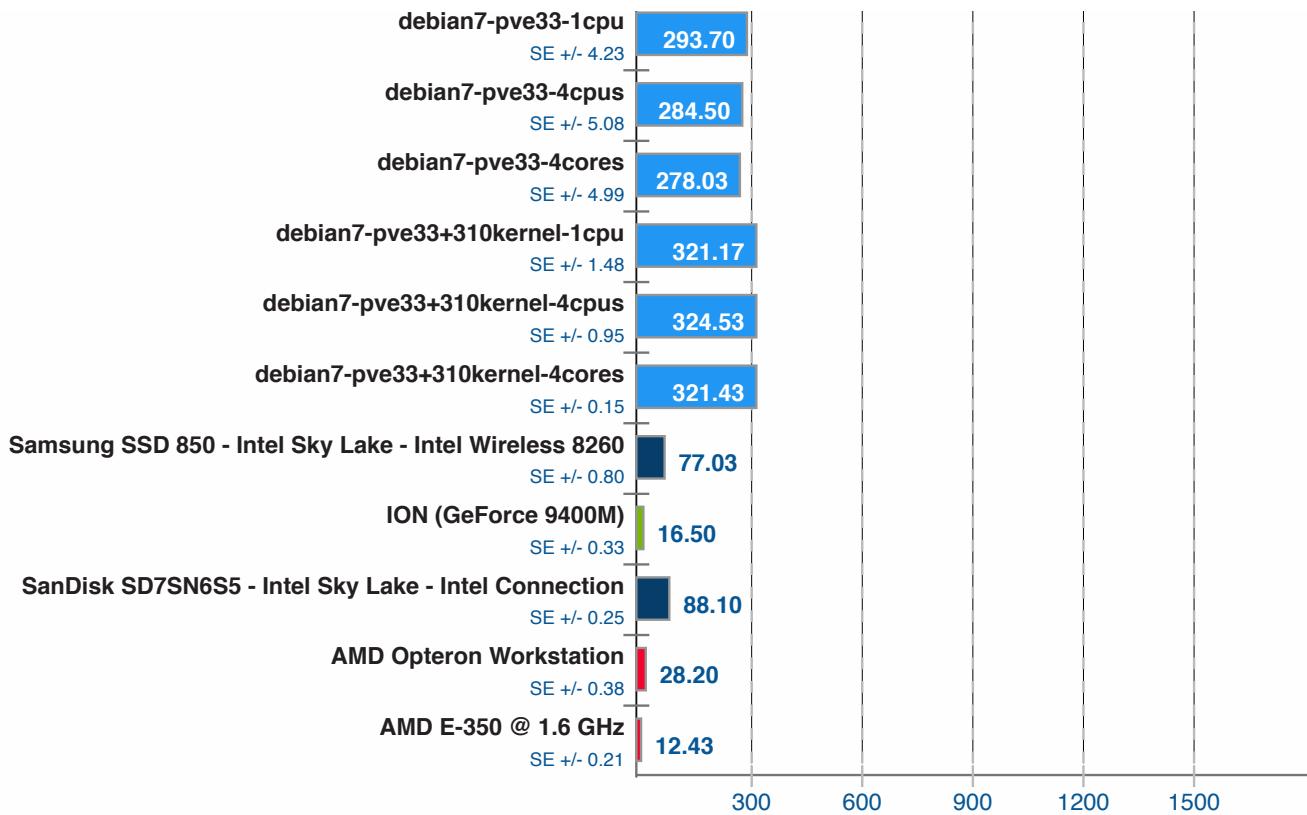




FS-Mark v3.3

Test: 4000 Files, 32 Sub Dirs, 1MB Size





1. (CC) gcc options: -static

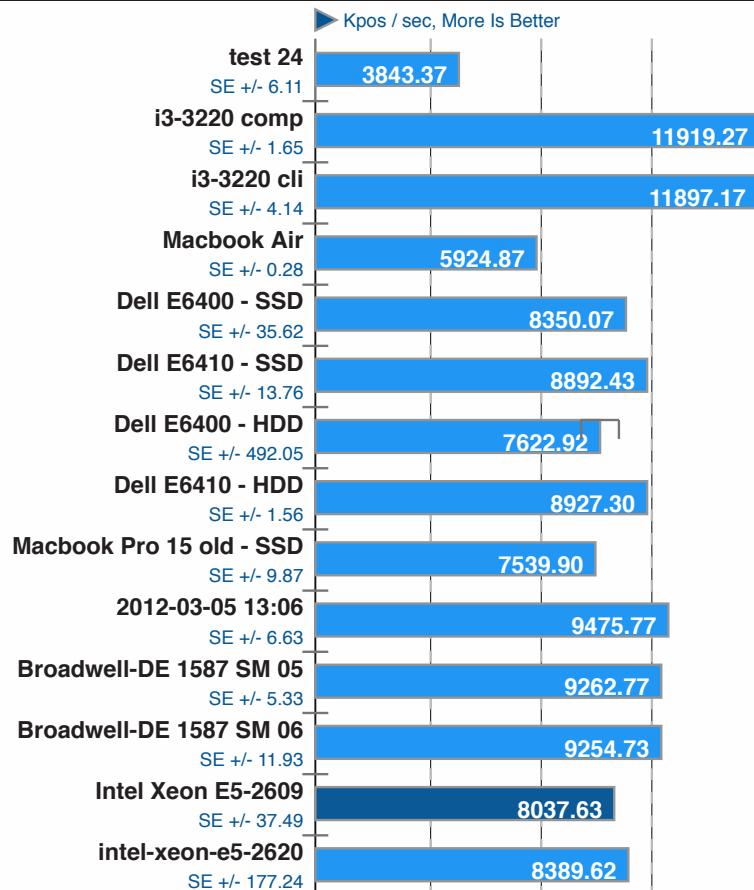
Phoronix Test Suite 7.0.0

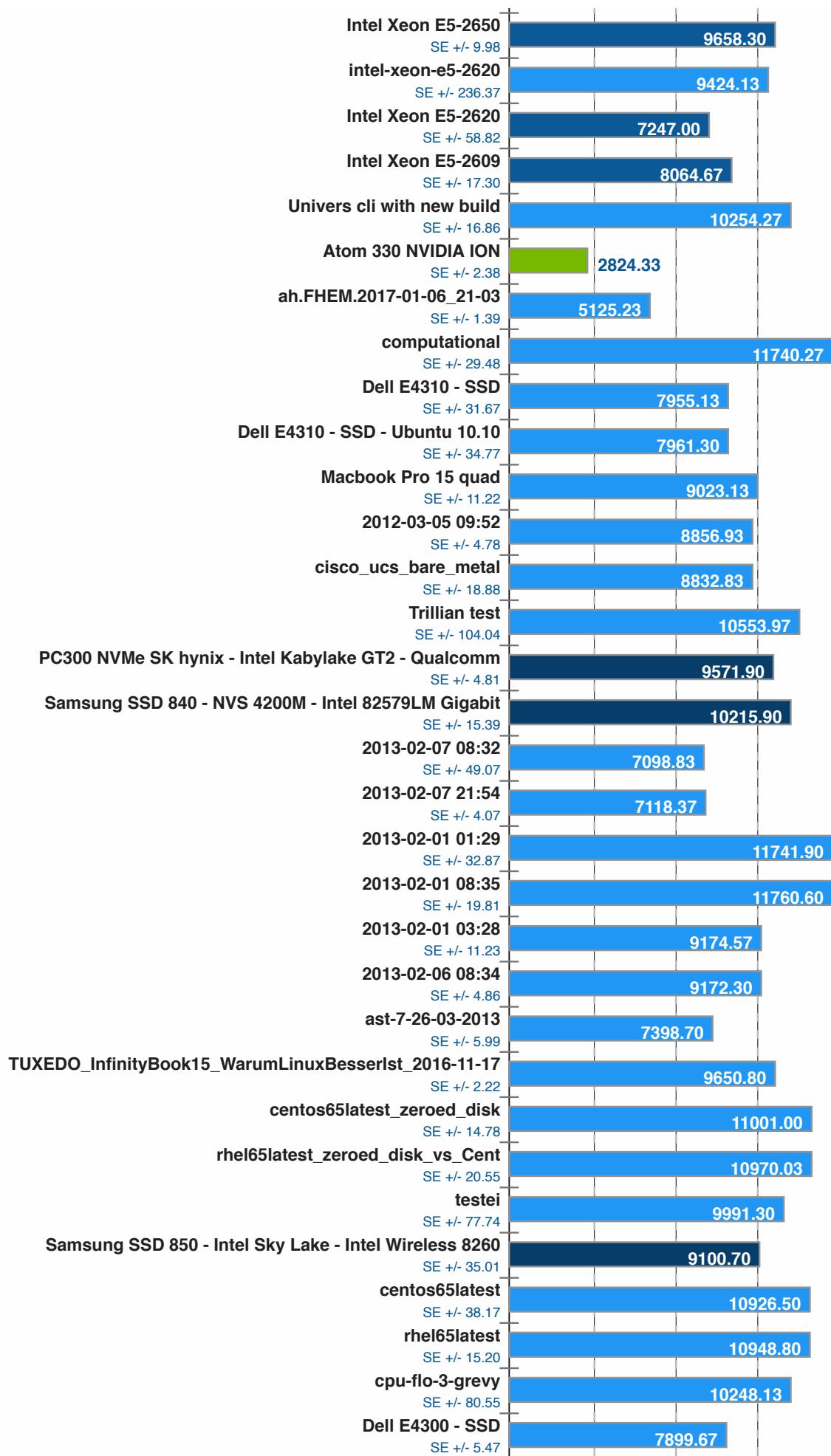
Fhourstones v3.1

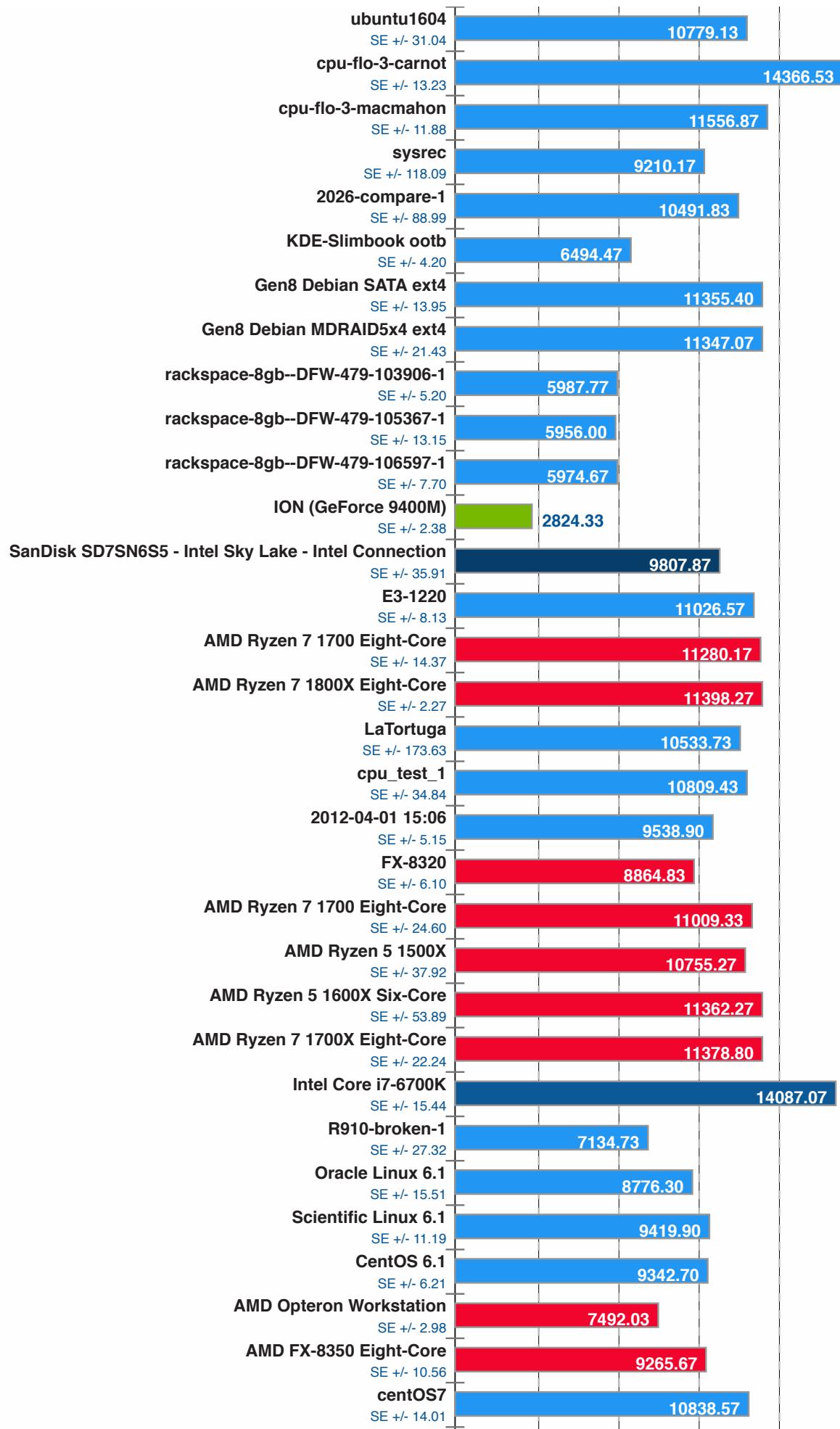
Complex Connect-4 Solving

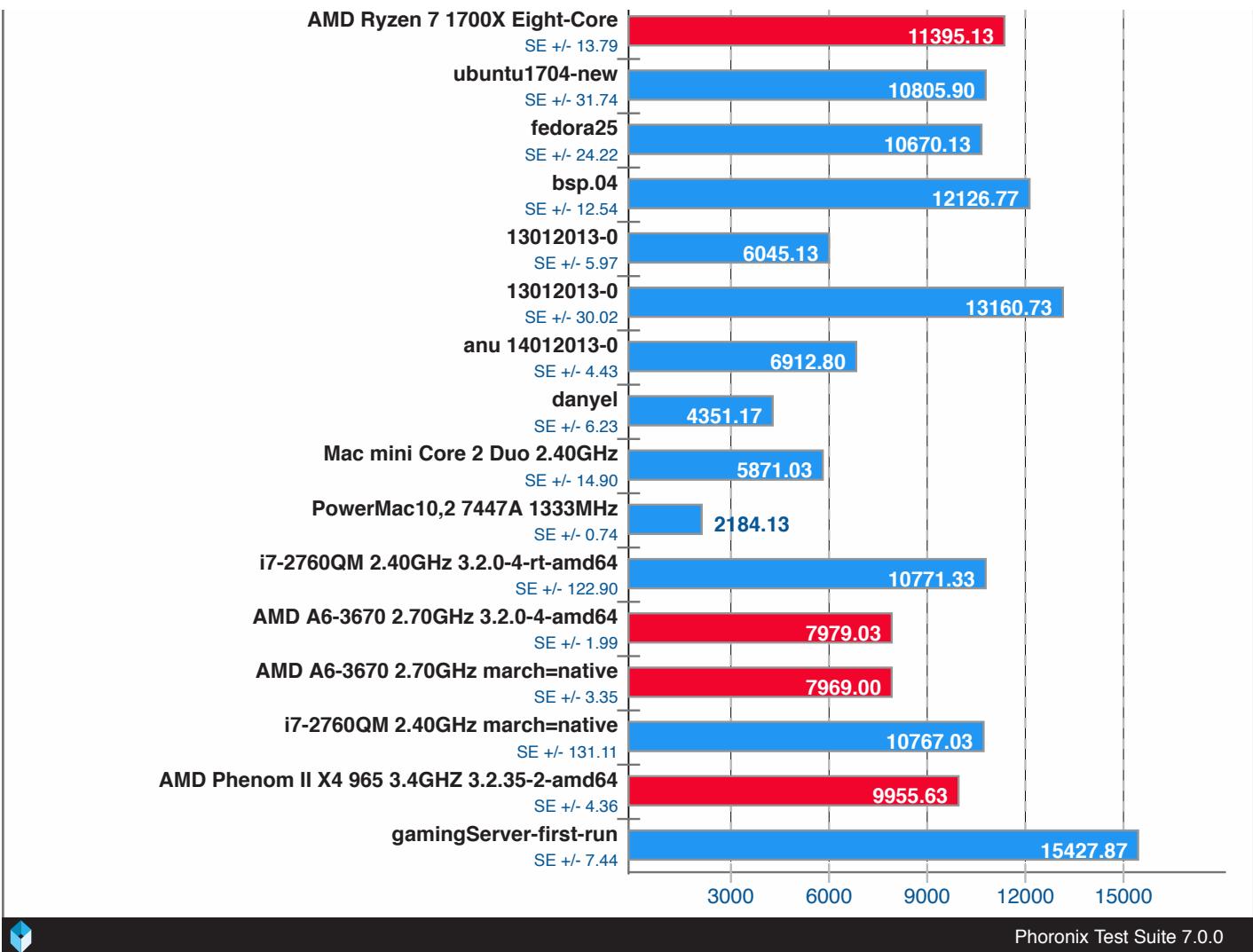


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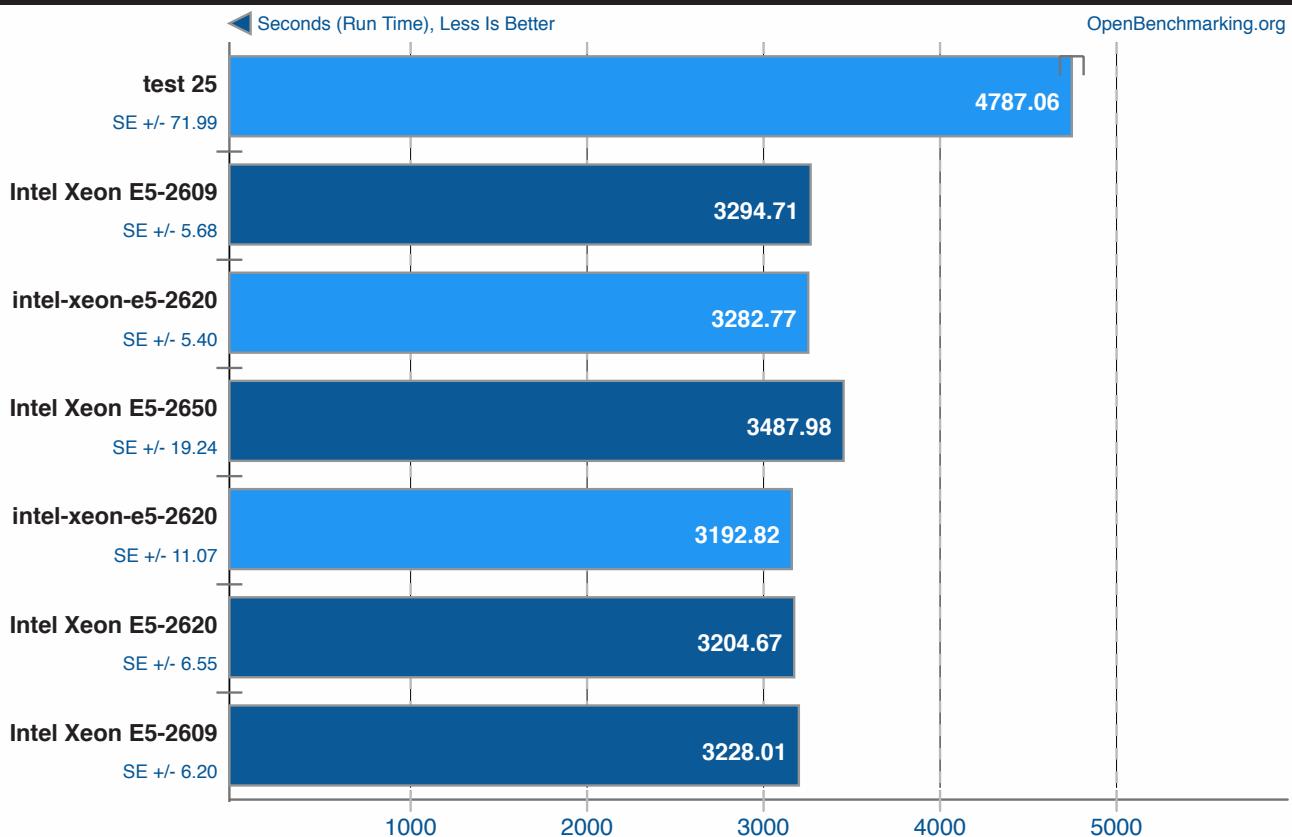
Phoronix Test Suite 7.0.0

Flexible IO Tester v1.57

Test: Intel IOMeter File Server Access Pattern



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Phoronix Test Suite 7.0.0



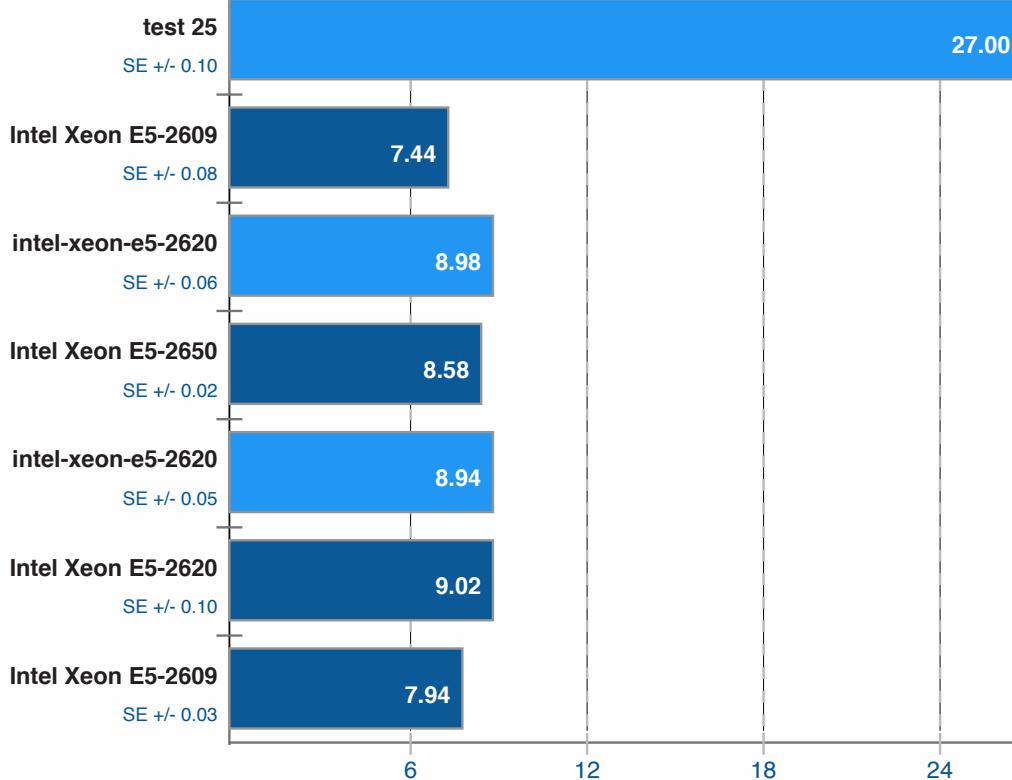
Flexible IO Tester v1.57

Test: Example Network Job



OpenBenchmarking.org

◀ Seconds (Run Time), Less Is Better



Phoronix Test Suite 7.0.0

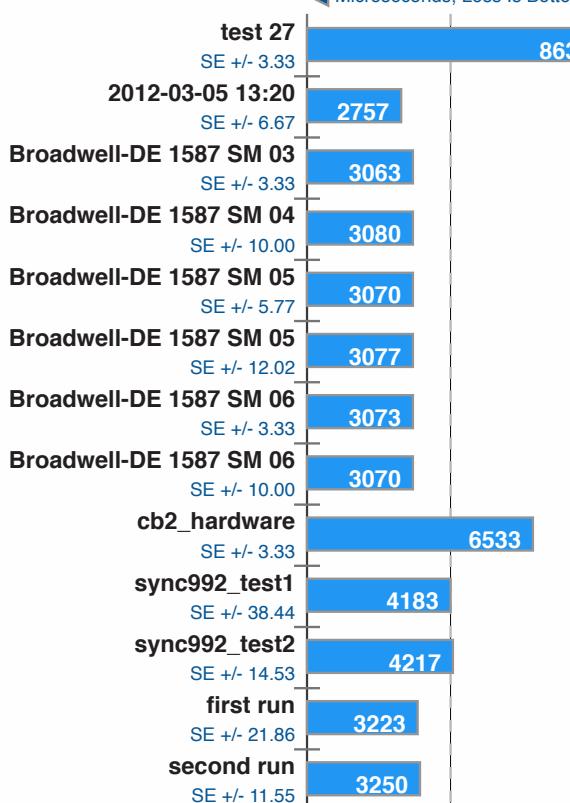
Gcrypt Library v1.4.4

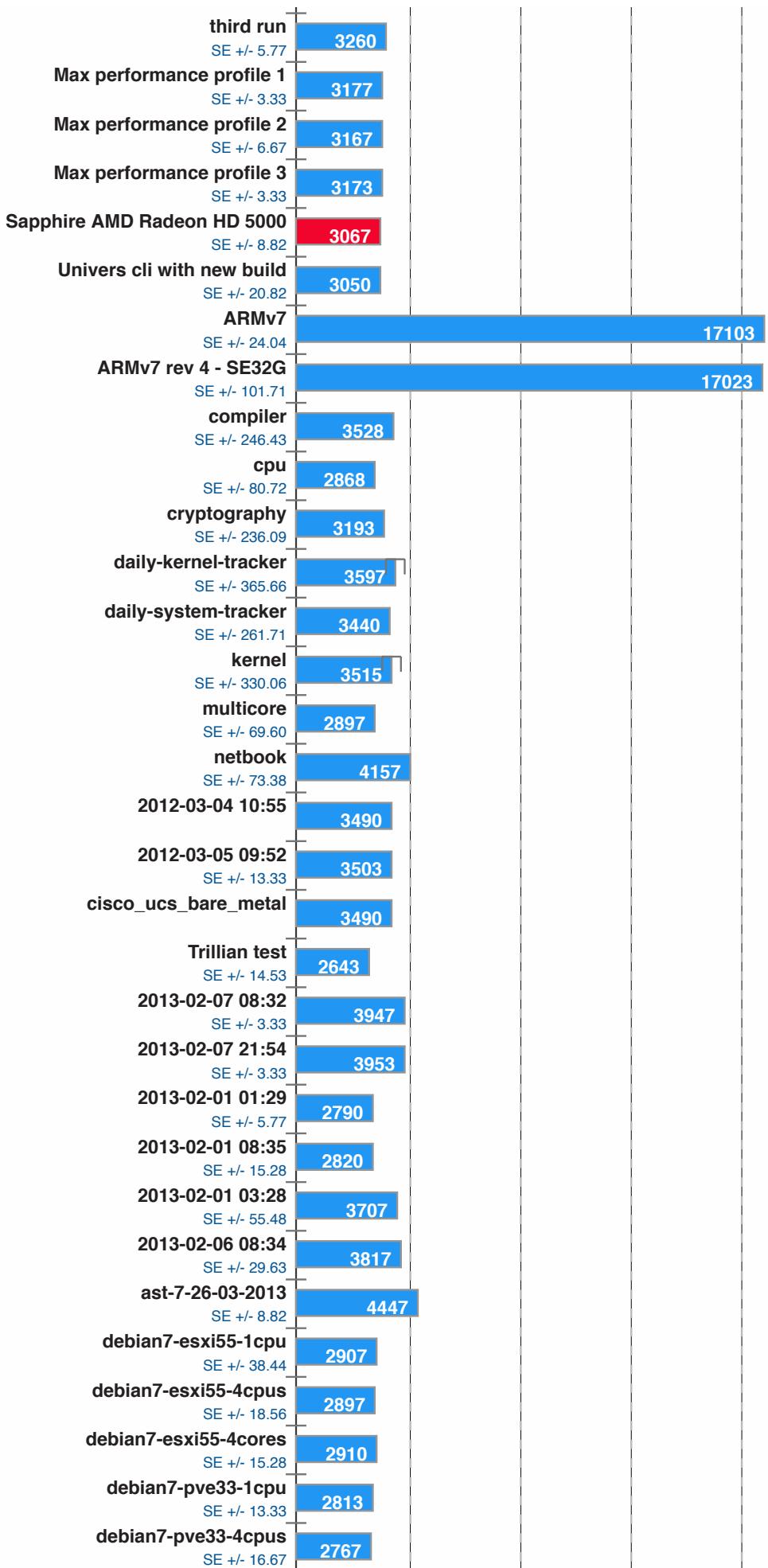
CAMELLIA256-ECB Cipher

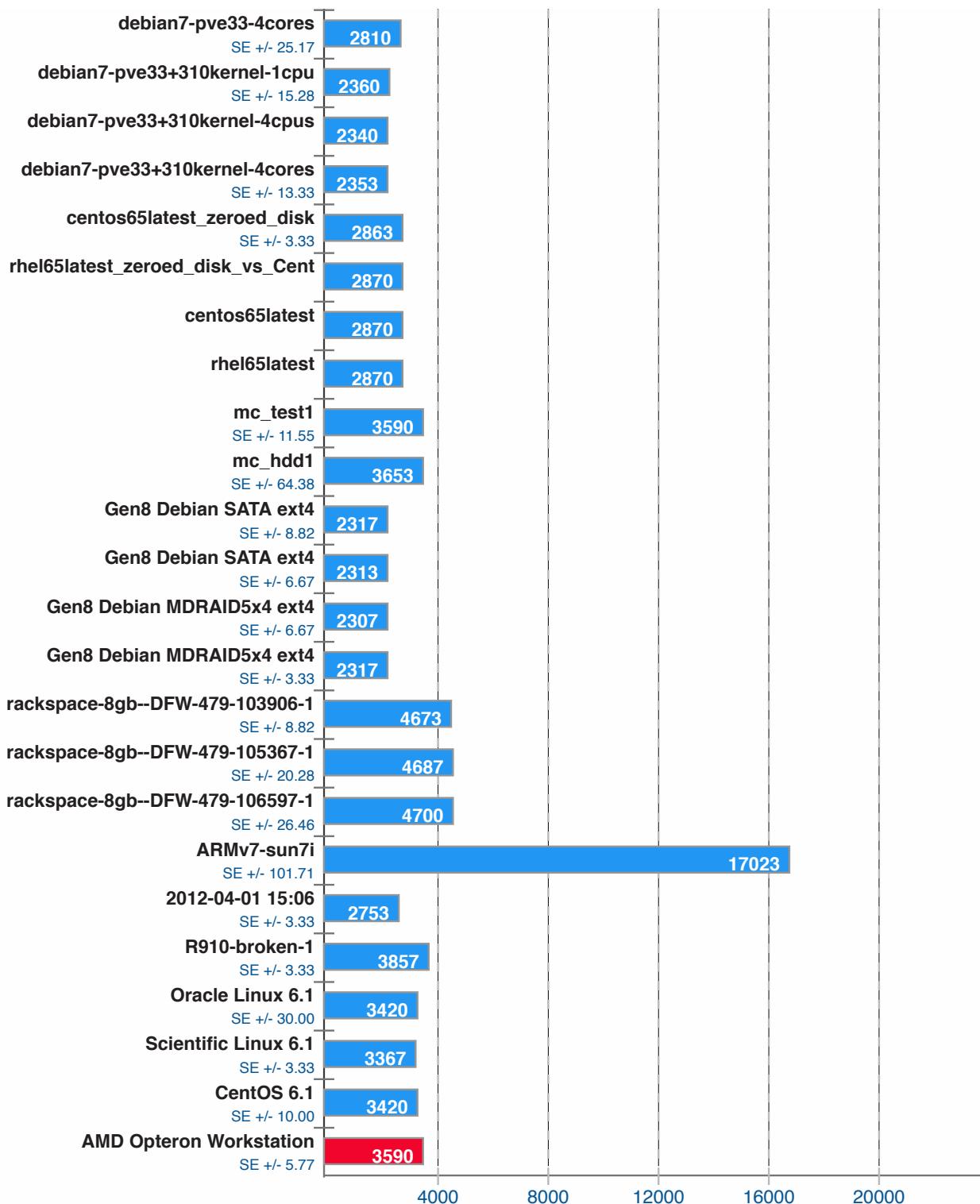


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◀ Microseconds, Less Is Better







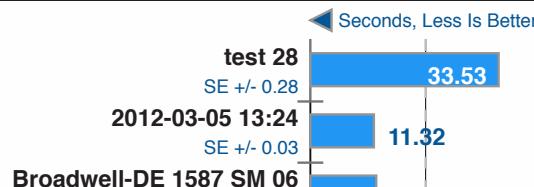
1. (CC) gcc options: -O2 -fvisibility=hidden

Phoronix Test Suite 7.0.0

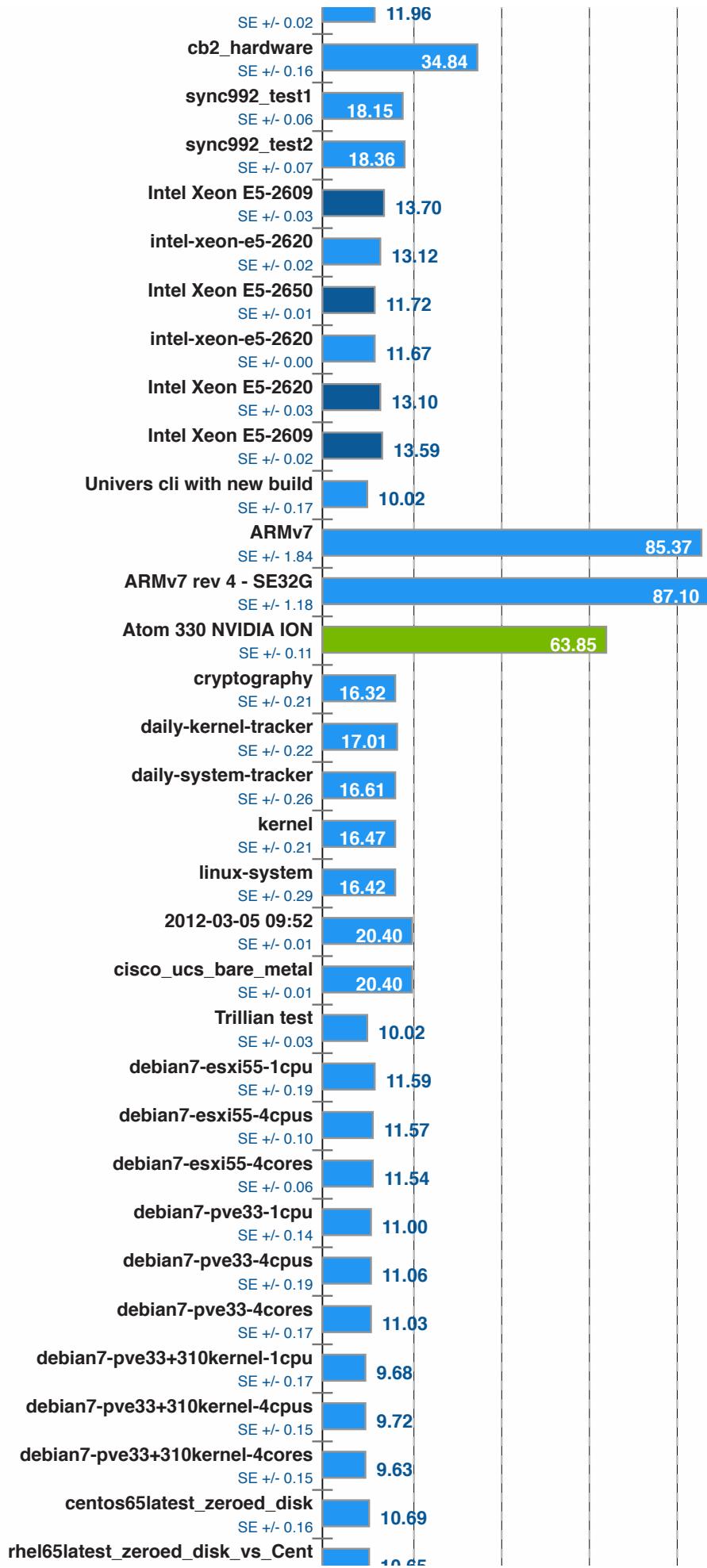
GnuPG v1.4.10

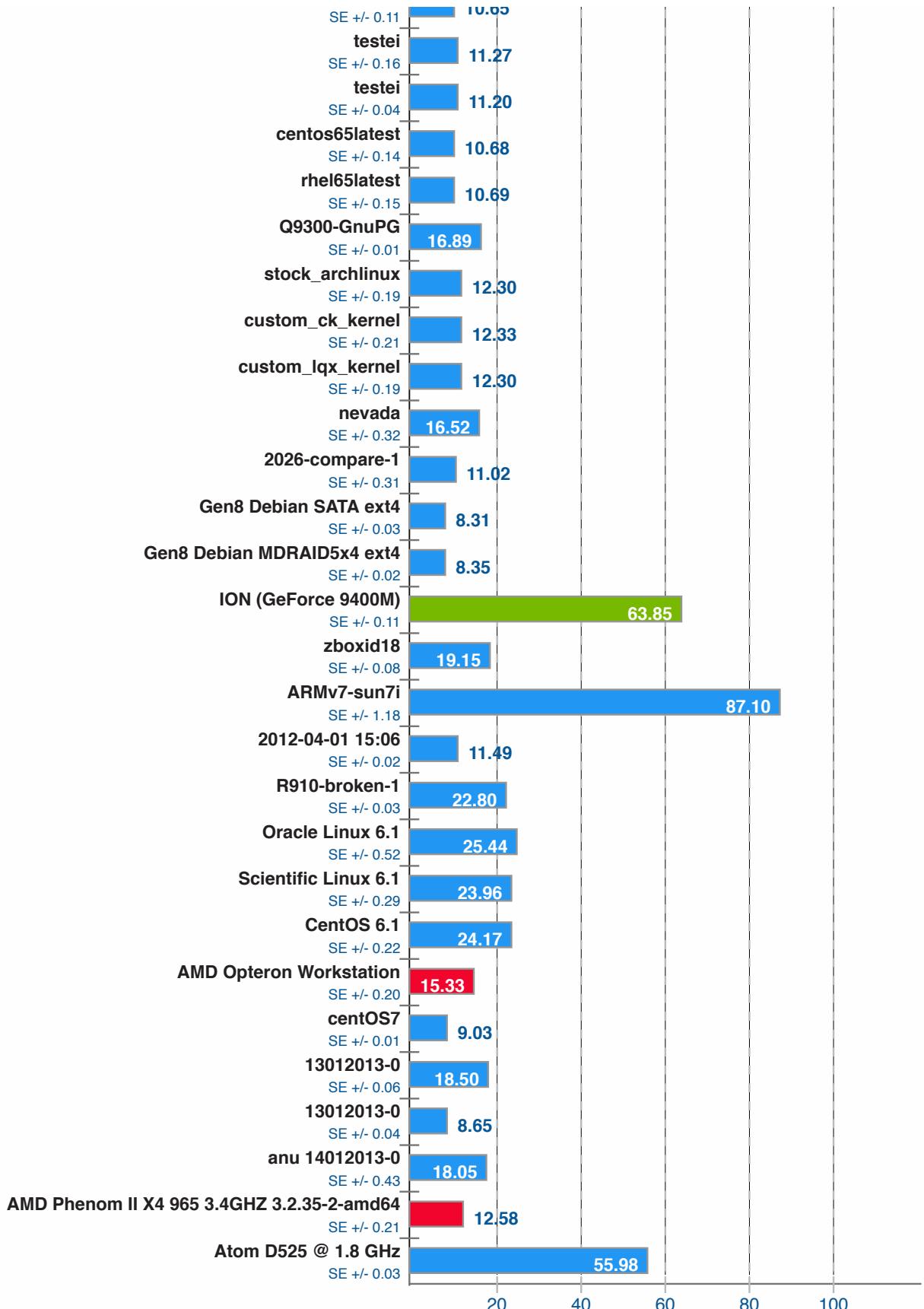
1GB File Encryption

ptsli



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1. (CC) gcc options:

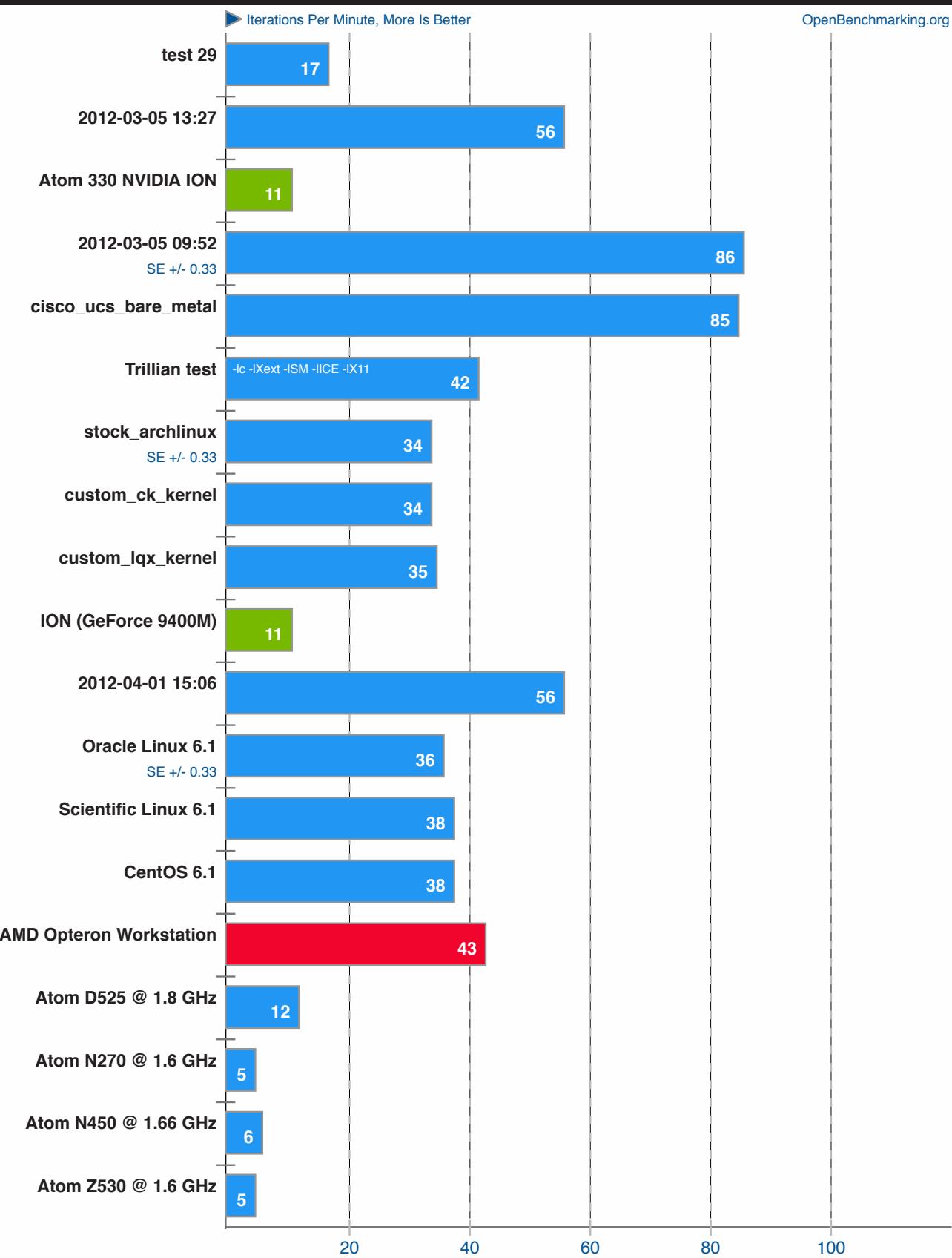
Phoronix Test Suite 7.0.0

GraphicsMagick v1.3.12

Operation: Sharpen



OpenBenchmarking.org



1. (CC) gcc options: -std=gnu99 -fopenmp -O2 -pthread -lbz2 -lz -lm -lgomp -lpthread

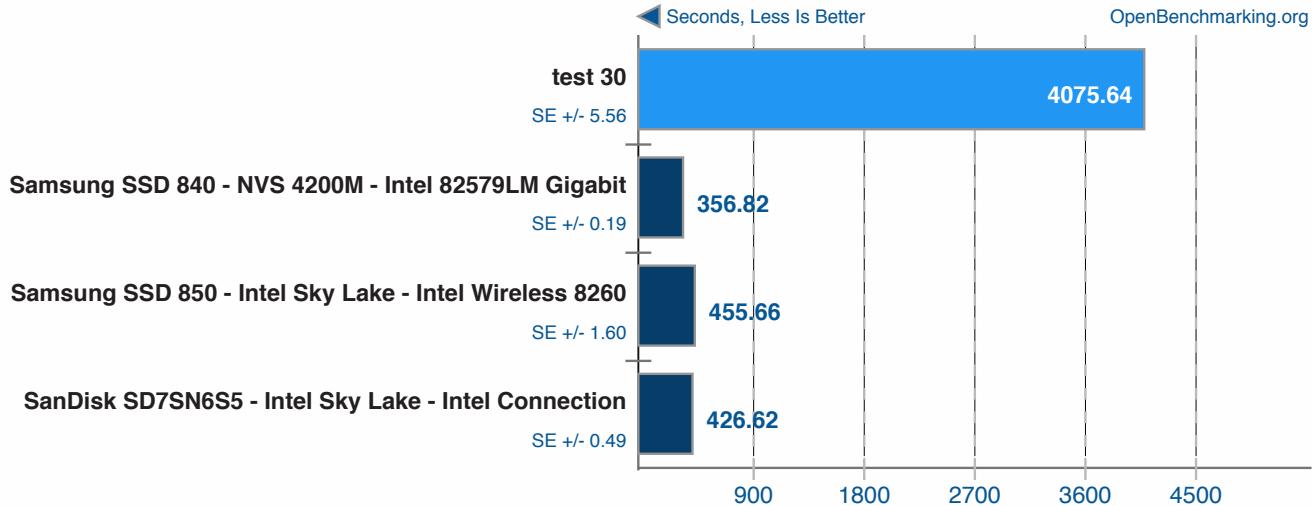
Phoronix Test Suite 7.0.0

GtkPerf v0.40

GTK Widget: Total Time



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

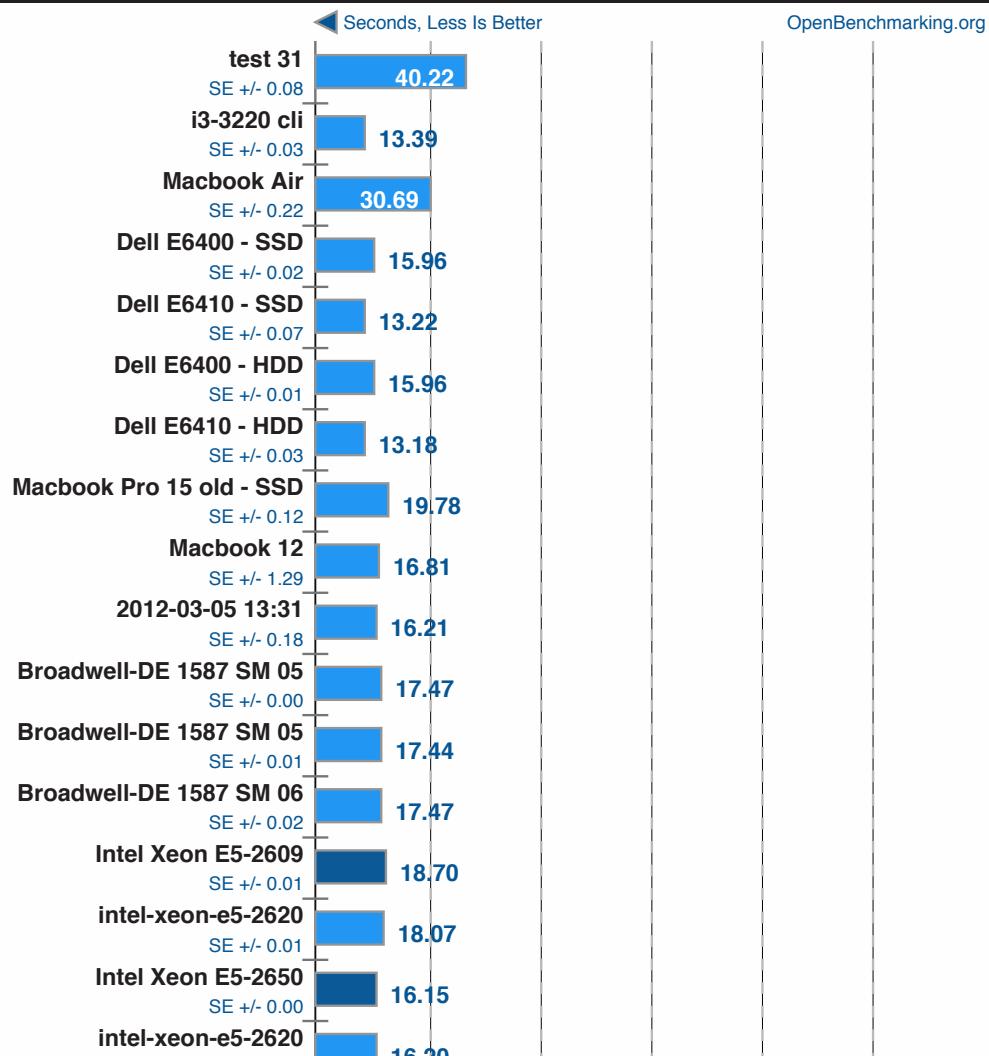
1. (CC) gcc options: -lgtk-x11-2.0 -latk-1.0 -gio-2.0 -lpangoft2-1.0 -fontconfig -lgdk-x11-2.0 -lpangocairo-1.0 -pango-1.0
-cairo -gdk_pixbuf-2.0 -gobject-2.0 -glib-2.0

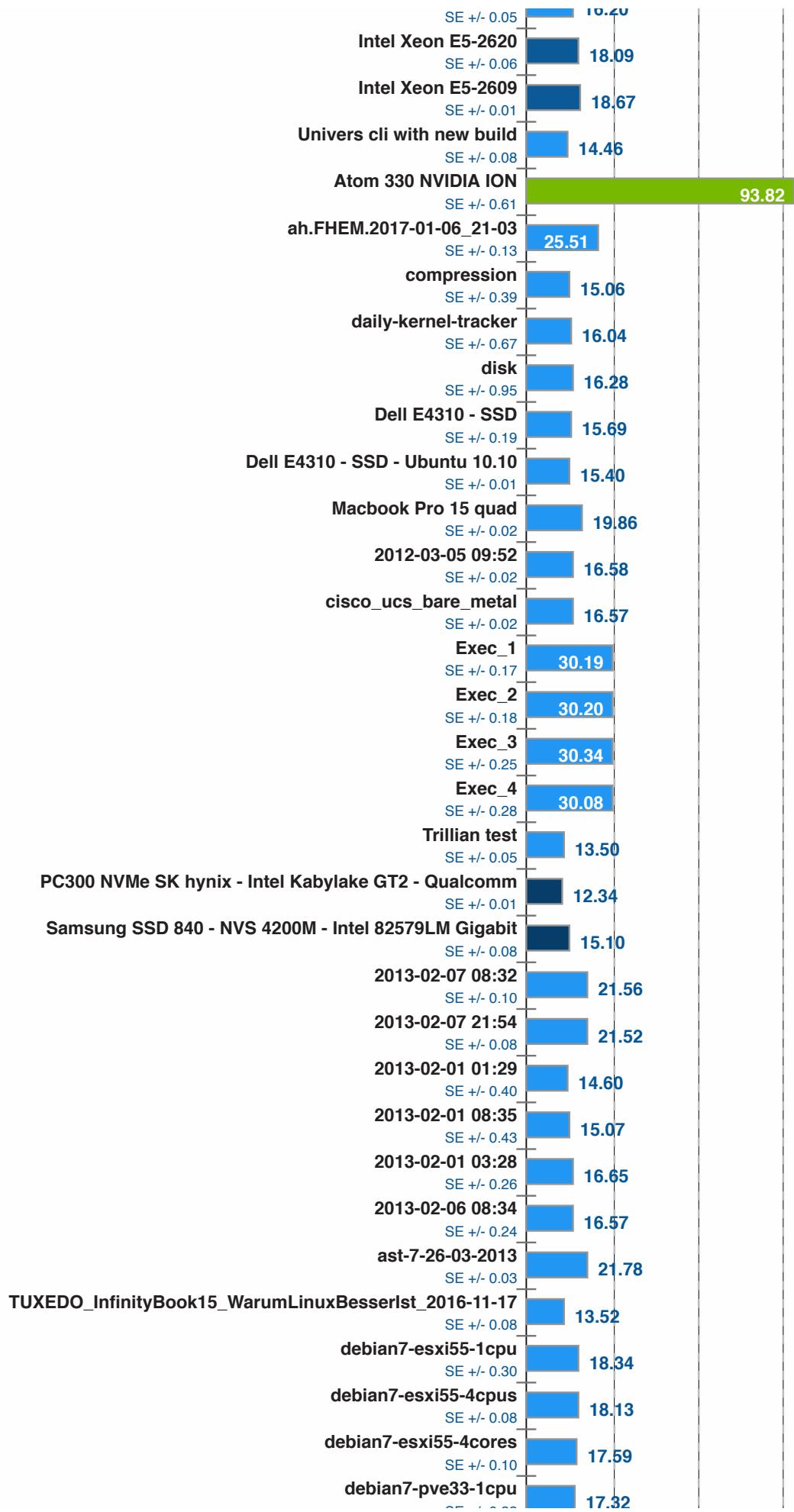
Gzip Compression

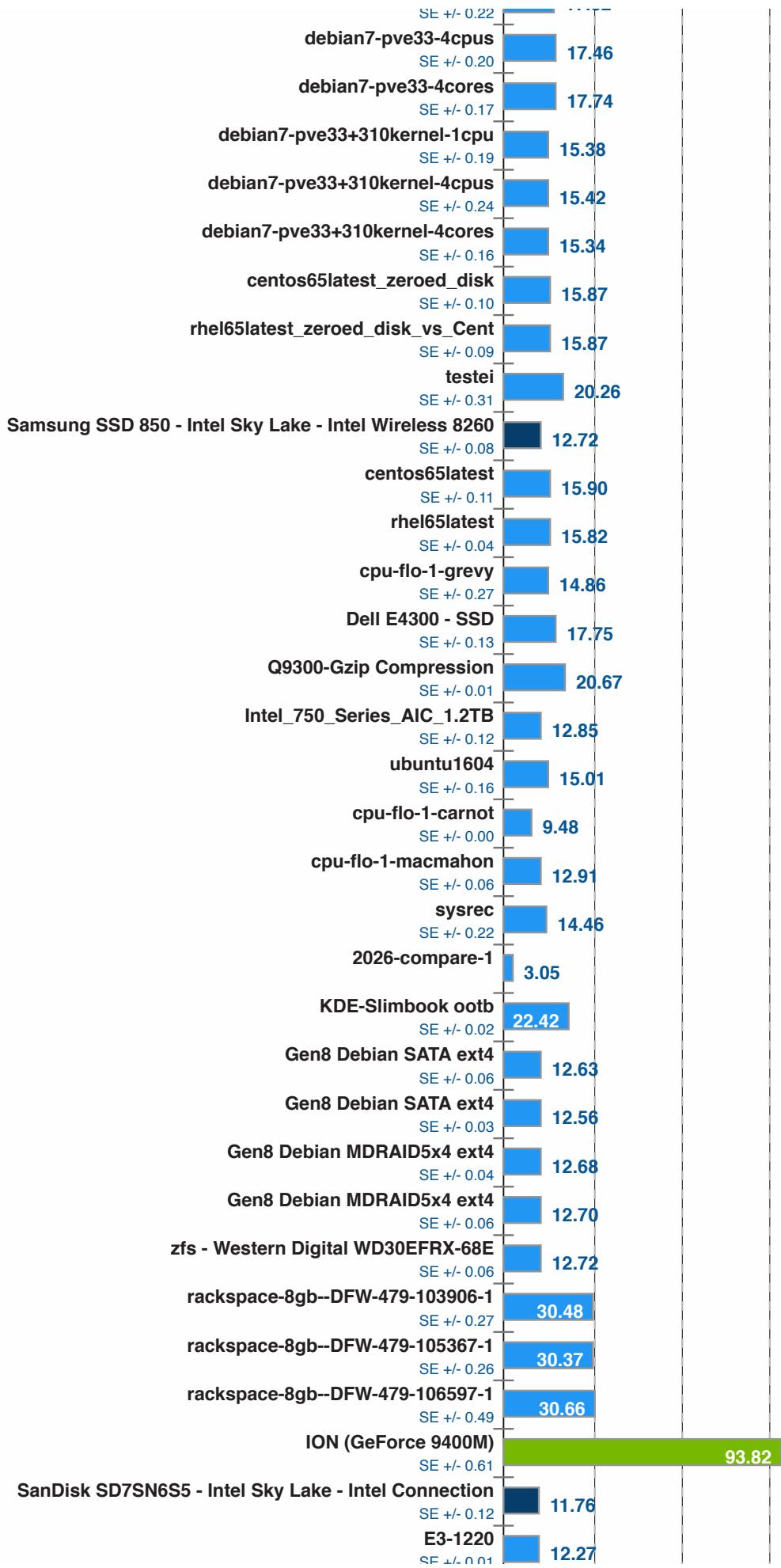
2GB File Compression

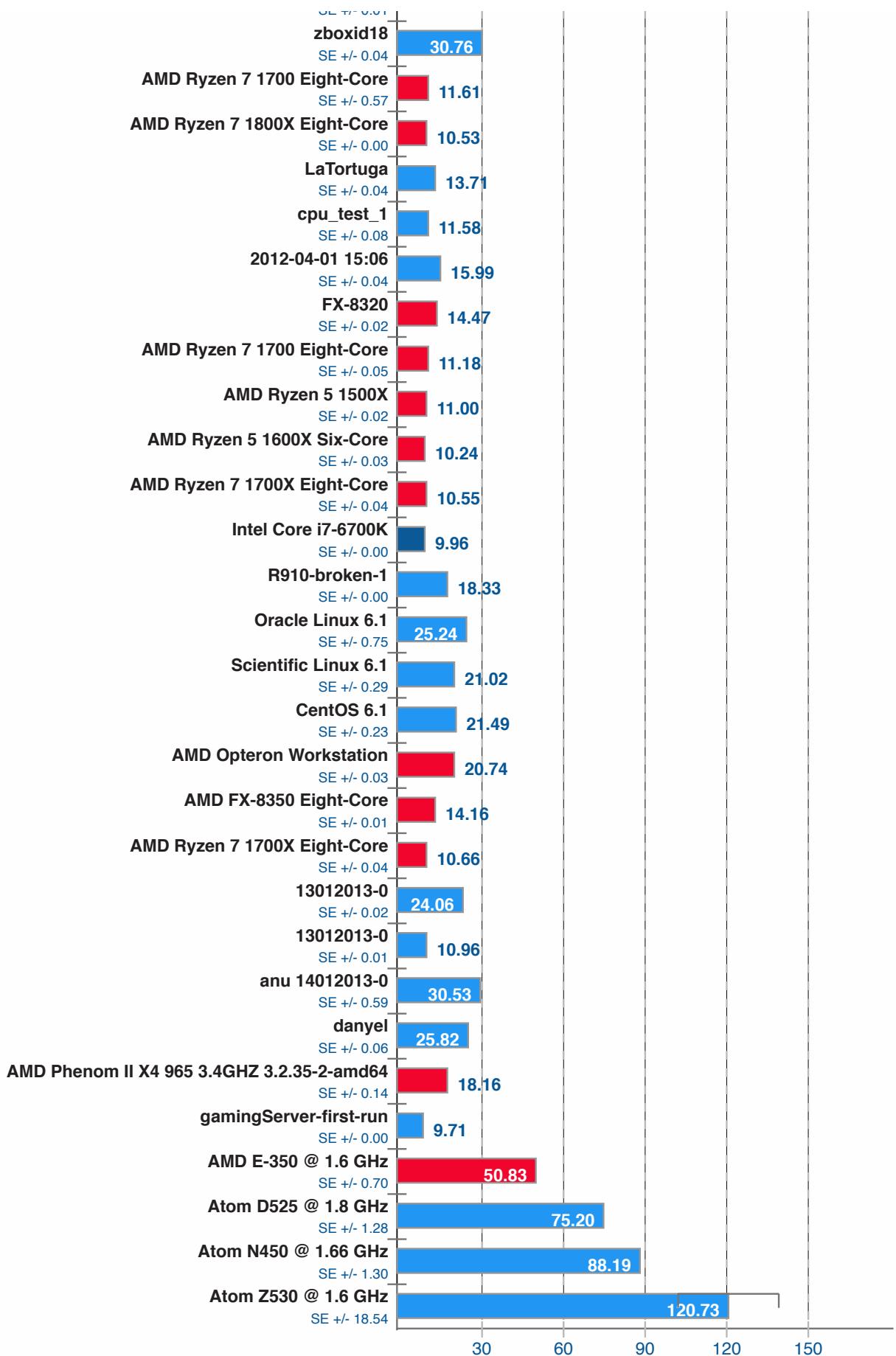


OpenBenchmarking.org







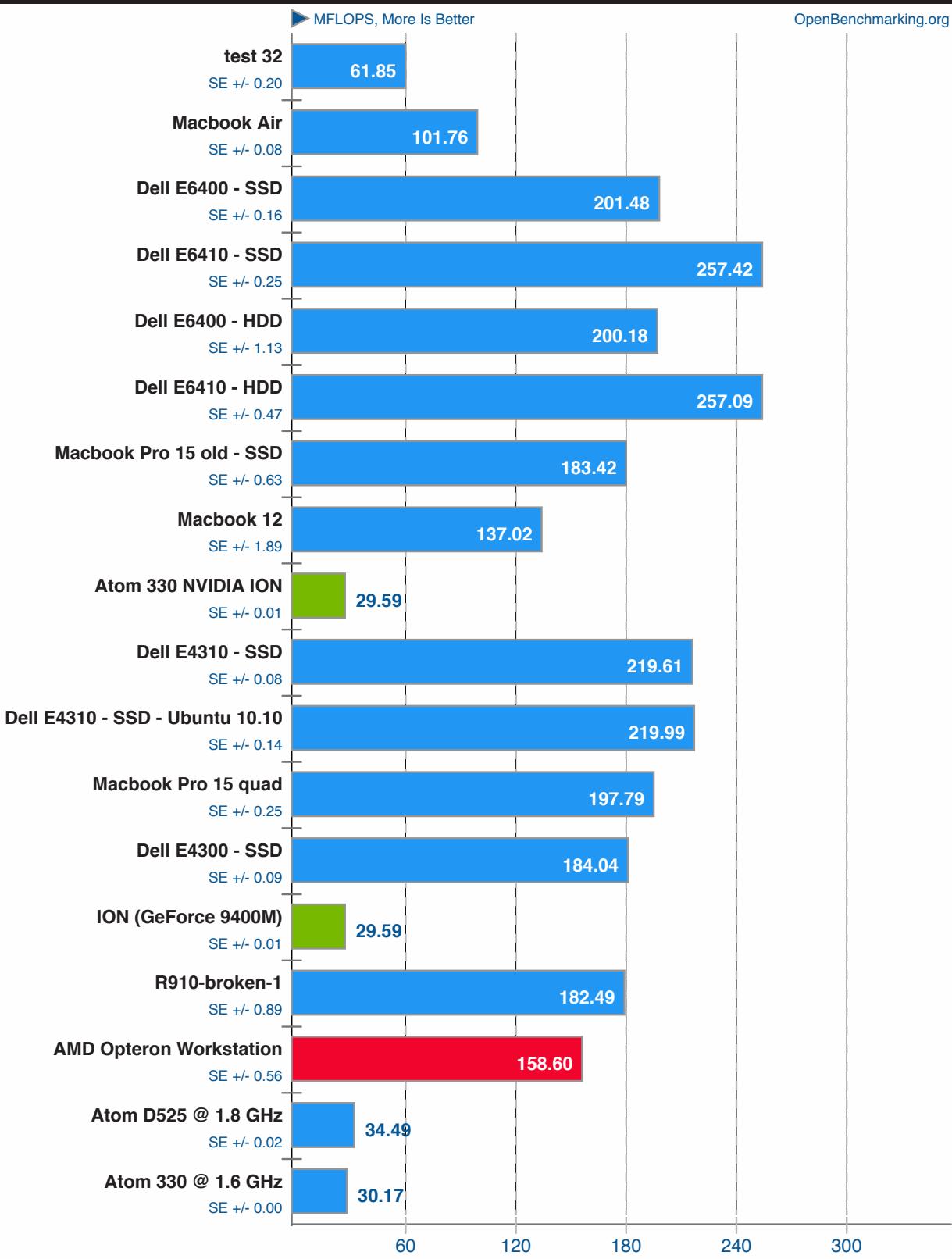


Himeno Benchmark v3.0

Poisson Pressure Solver

ptsli

OpenBenchmarking.org



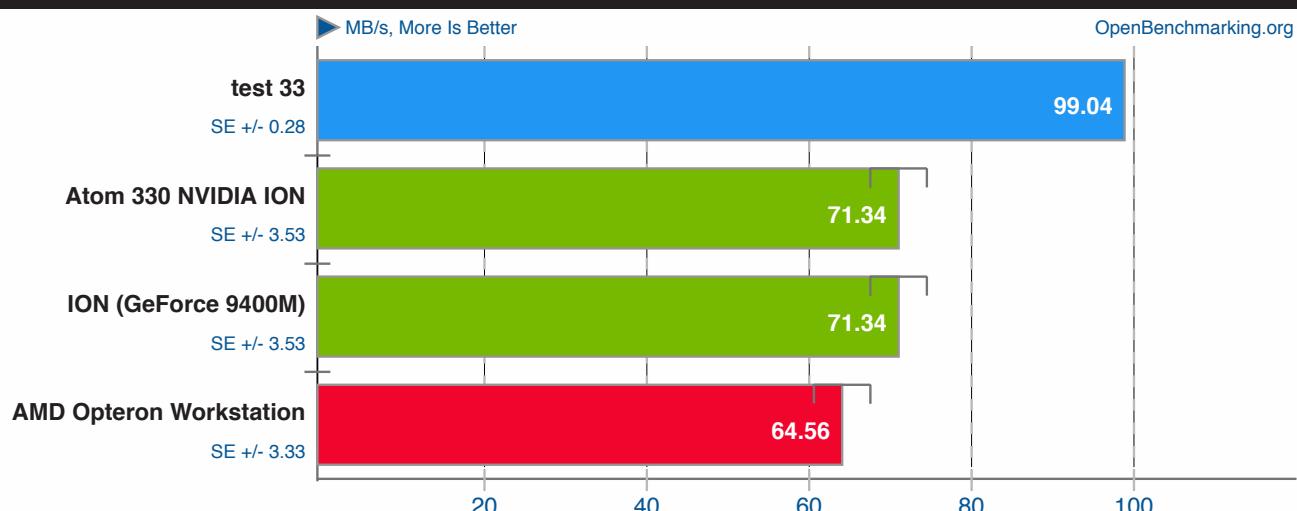
Phoronix Test Suite 7.0.0

IOzone v3.347

Record Size: 1MB - File Size: 8GB - Disk Test: Write Performance



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

IOzone v3.347

Record Size: 1MB - File Size: 8GB - Disk Test: Read Performance



OpenBenchmarking.org



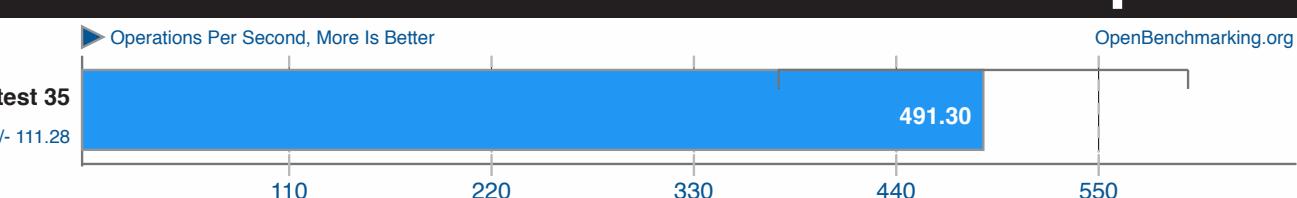
Phoronix Test Suite 7.0.0

JXRenderMark v1.0.1

Test: 12pt Text LCD - Size: 32x32



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

JXRenderMark v1.0.1

Test: 12pt Text LCD - Size: 128x128



OpenBenchmarking.org

► Operations Per Second, More Is Better

test 35

SE +/- 73.72

152.33

30

60

90

120

150



Phoronix Test Suite 7.0.0

Java 2D Microbenchmark v1.0

Rendering Test: Text Rendering



OpenBenchmarking.org

► Units Per Second, More Is Better

test 36

SE +/- 3.88

985.22

AMD Opteron Workstation

SE +/- 69.11

7120.92

1500

3000

4500

6000

7500



Phoronix Test Suite 7.0.0

Java SciMark v2.0

Computational Test: Dense LU Matrix Factorization



OpenBenchmarking.org

► Mflops, More Is Better

test 38

SE +/- 0.23

511.12

2012-03-05 13:41

SE +/- 1.20

1919.63

java-scimark2

SE +/- 11.51

4910.25

cb2_hardware

SE +/- 0.59

1105.31

sync992_test1

SE +/- 32.07

1332.92

sync992_test2

SE +/- 28.11

1366.00

Intel Xeon E5-2609

SE +/- 8.47

1947.63

intel-xeon-e5-2620

SE +/- 31.46

2066.77

Intel Xeon E5-2650

SE +/- 1.45

2454.81

intel-xeon-e5-2620

SE +/- 38.54

2409.11

Intel Xeon E5-2620

SE +/- 29.84

2090.81

Intel Xeon E5-2609

SE +/- 35.95

2059.92

Ubuntu 10.04 LTS with Sun JRE 1.6

SE +/- 6.30

1559.57

Ubuntu 10.04 LTS

SE +/- 6.79

1565.61

Trillian test

SE +/- 5.67

2935.84

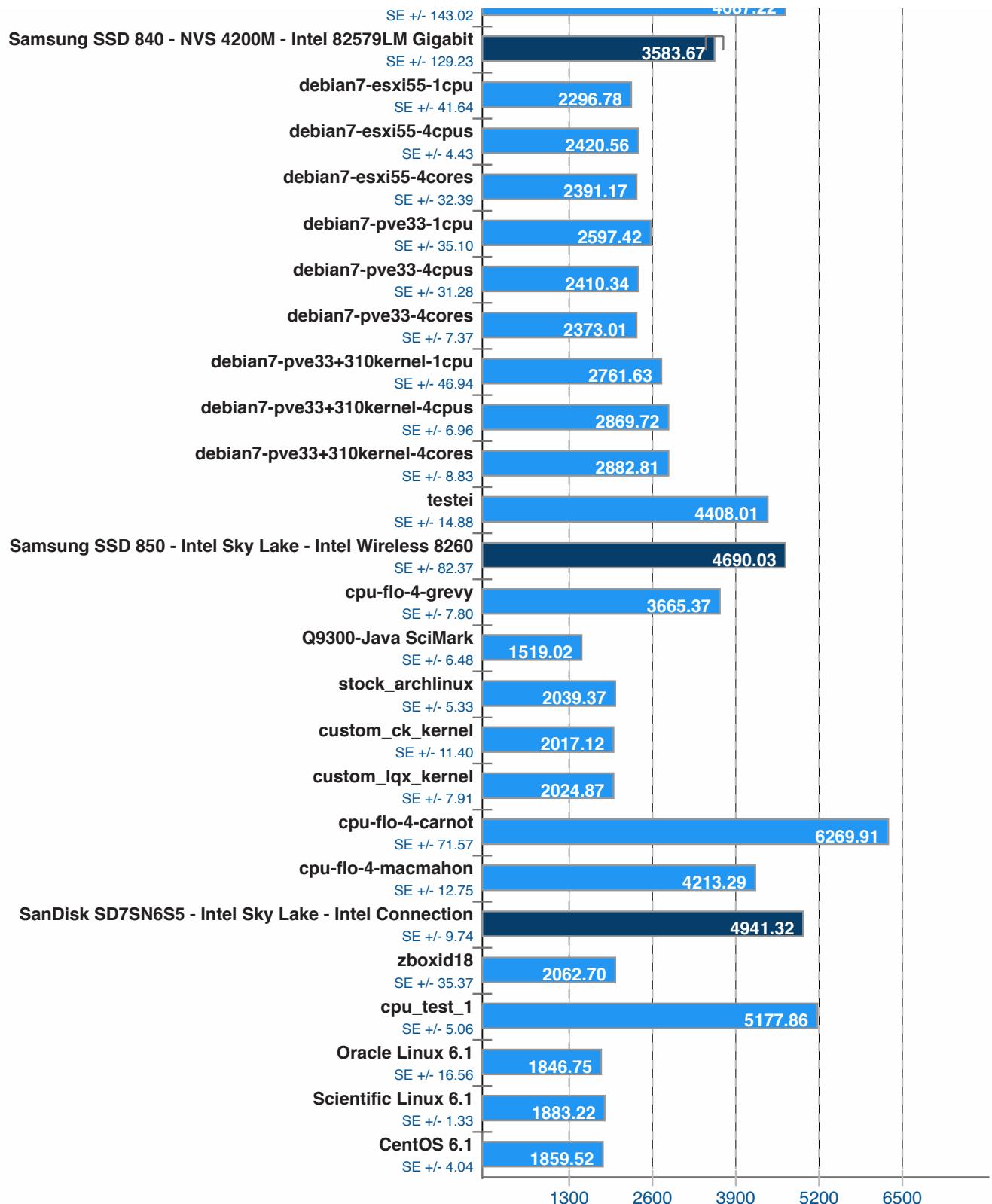
m4_15.04_3.19.0-21

1687.22

SE +/- 1.20



Phoronix Test Suite 7.0.0



John The Ripper v1.7.8

Test: Blowfish



► Real C/S, More Is Better

OpenBenchmarking.org

test 39

393

90

180

270

360

450



Phoronix Test Suite 7.0.0

LAME MP3 Encoding v3.98.2

WAV To MP3



► Seconds, Less Is Better

OpenBenchmarking.org

test 41

73.54

SE +/- 0.08

Atom 330 NVIDIA ION

155.20

SE +/- 0.08

stock_archlinux

22.35

SE +/- 0.01

custom_ck_kernel

22.40

SE +/- 0.00

custom_lqx_kernel

22.38

SE +/- 0.01

ION (GeForce 9400M)

155.20

SE +/- 0.08

R910-broken-1

35.03

SE +/- 0.06

AMD Opteron Workstation

34.71

SE +/- 0.01

Atom D525 @ 1.8 GHz

125.62

SE +/- 0.02

Atom 330 @ 1.6 GHz

152.63

SE +/- 0.10

30

60

90

120

150



Phoronix Test Suite 7.0.0

LZMA Compression

256MB File Compression



► Seconds, Less Is Better

OpenBenchmarking.org

test 42

550.16

SE +/- 0.60

test 43

554.38

SE +/- 0.42

test 42

553.06

SE +/- 2.03

cb2_hardware

233.02

SE +/- 0.21

sync992_test1

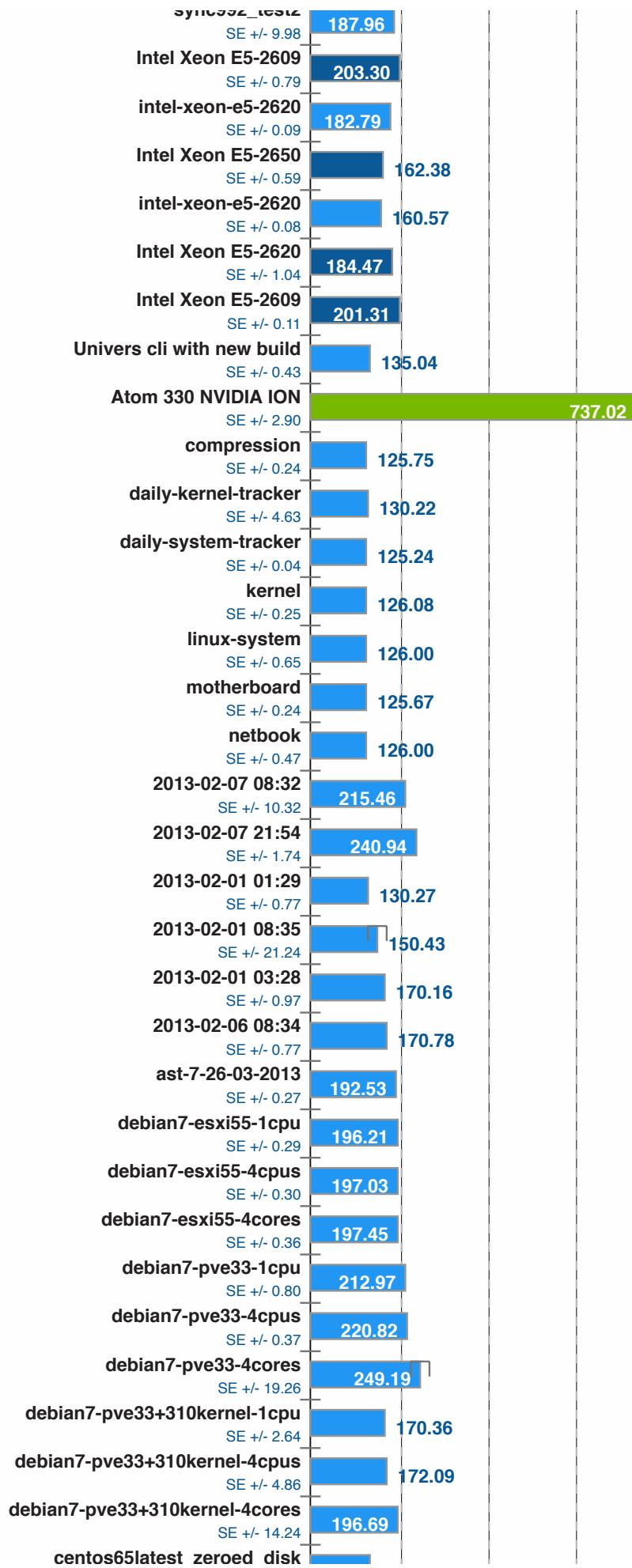
169.42

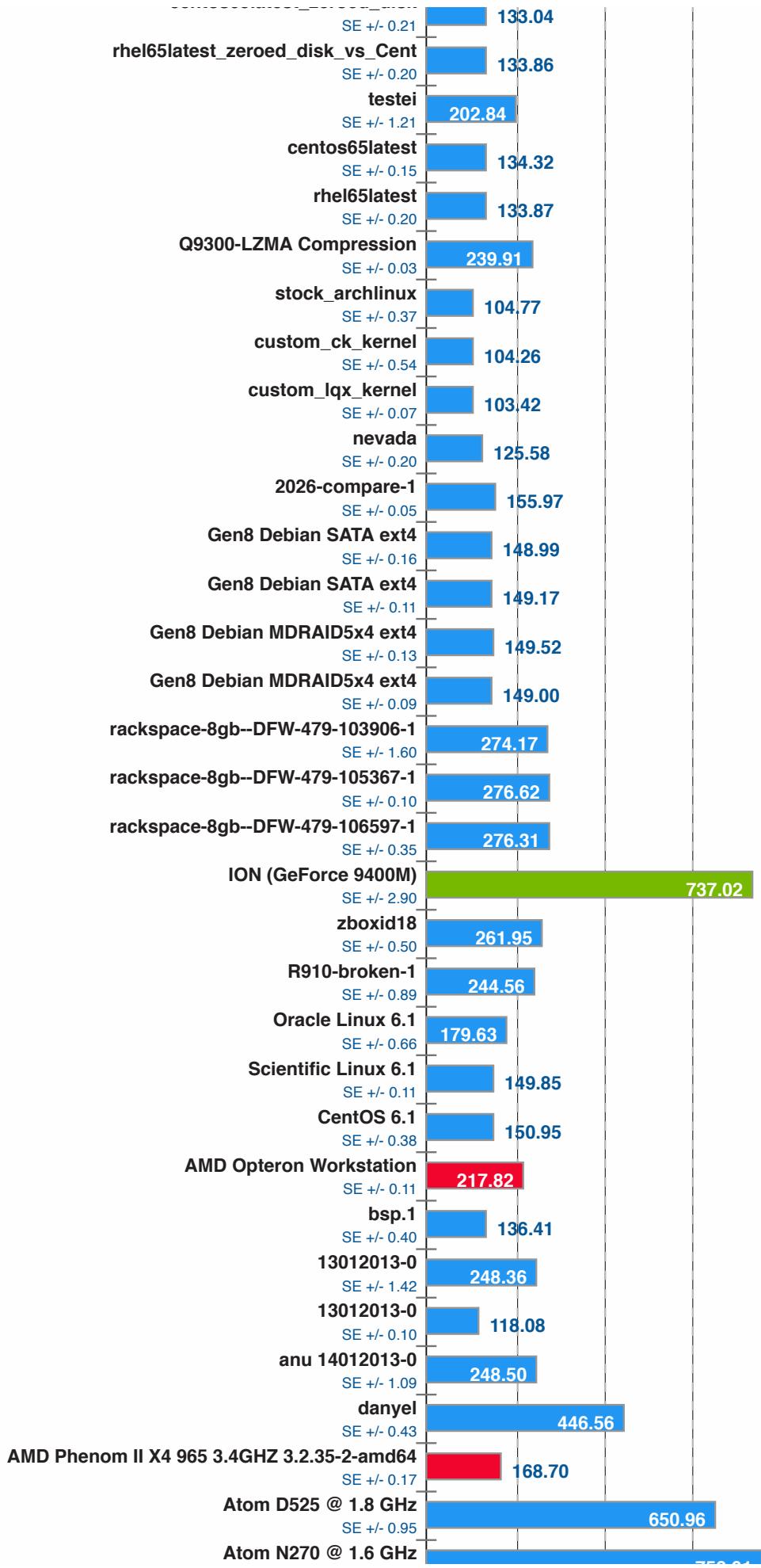
SE +/- 0.44

sync992_test2

169.42







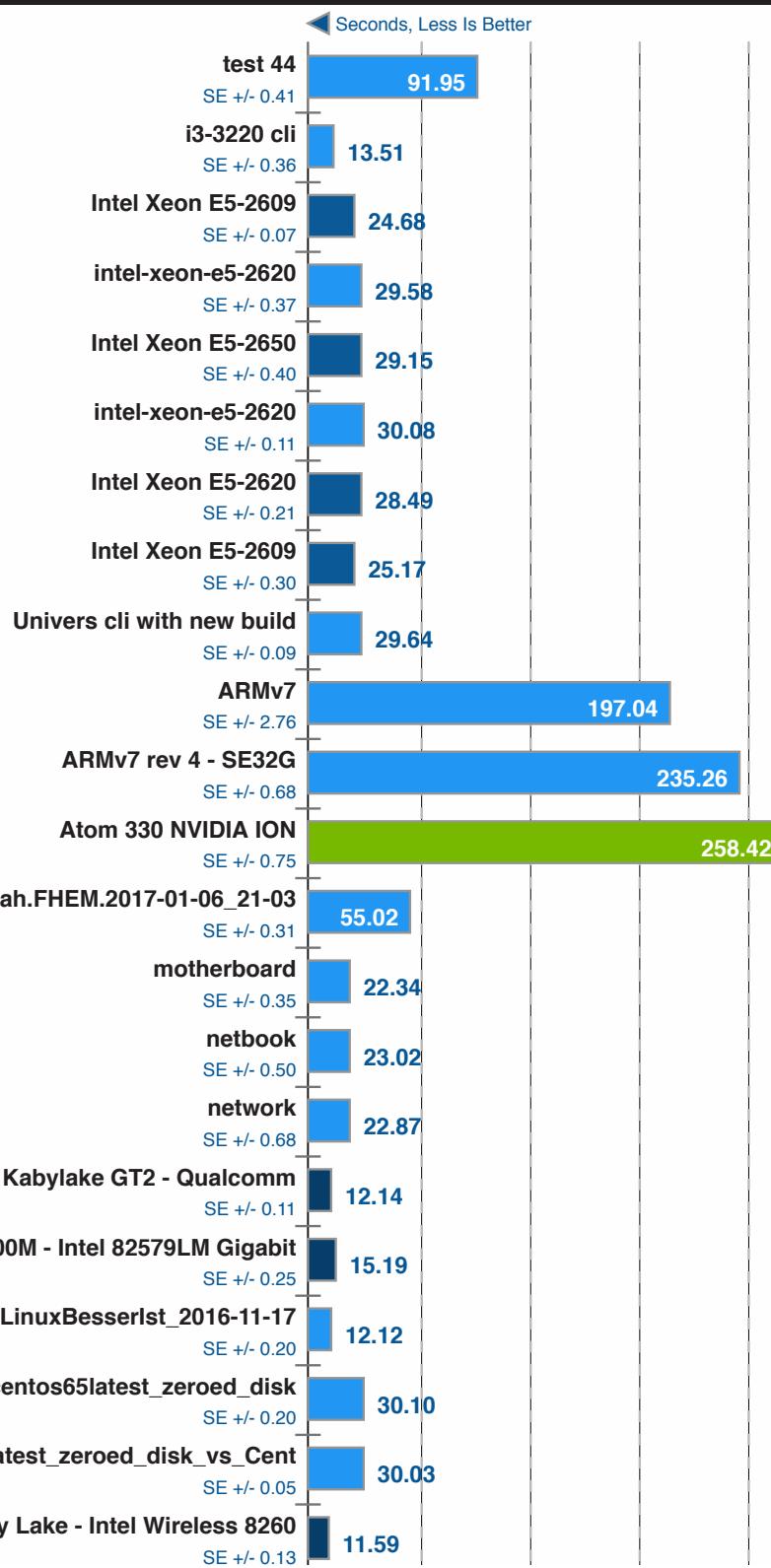


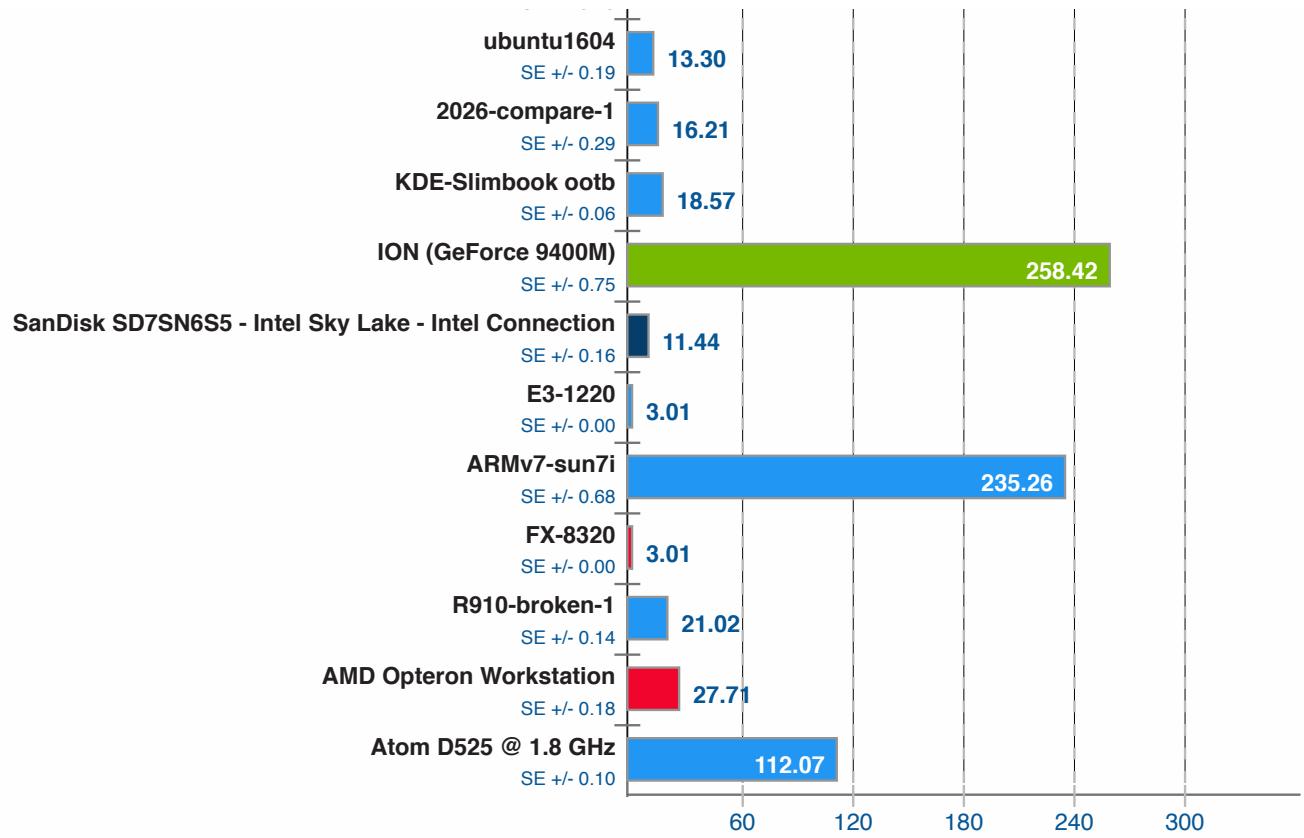
Loopback TCP Network Performance

Time To Transfer 10GB Via Loopback



OpenBenchmarking.org





Phoronix Test Suite 7.0.0

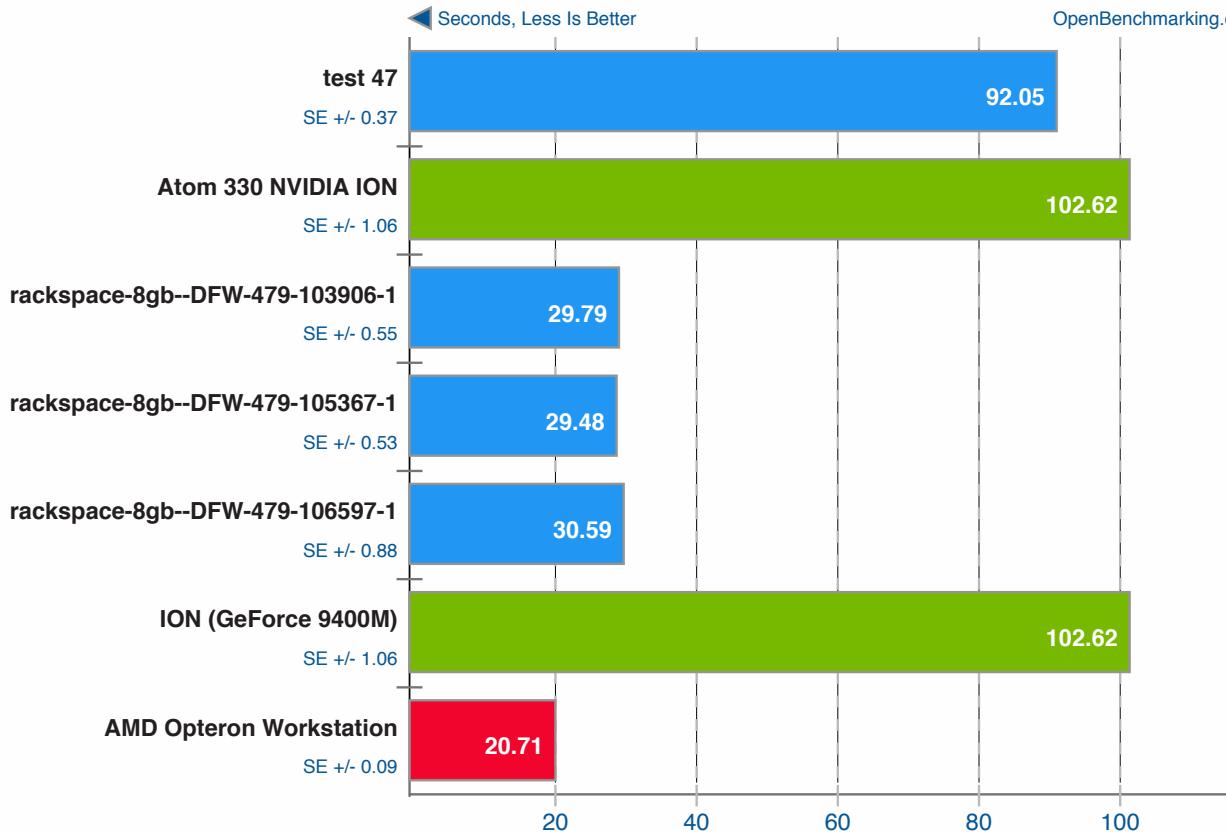


Mencoder v2009-06-04

AVI To LAVC



OpenBenchmarking.org



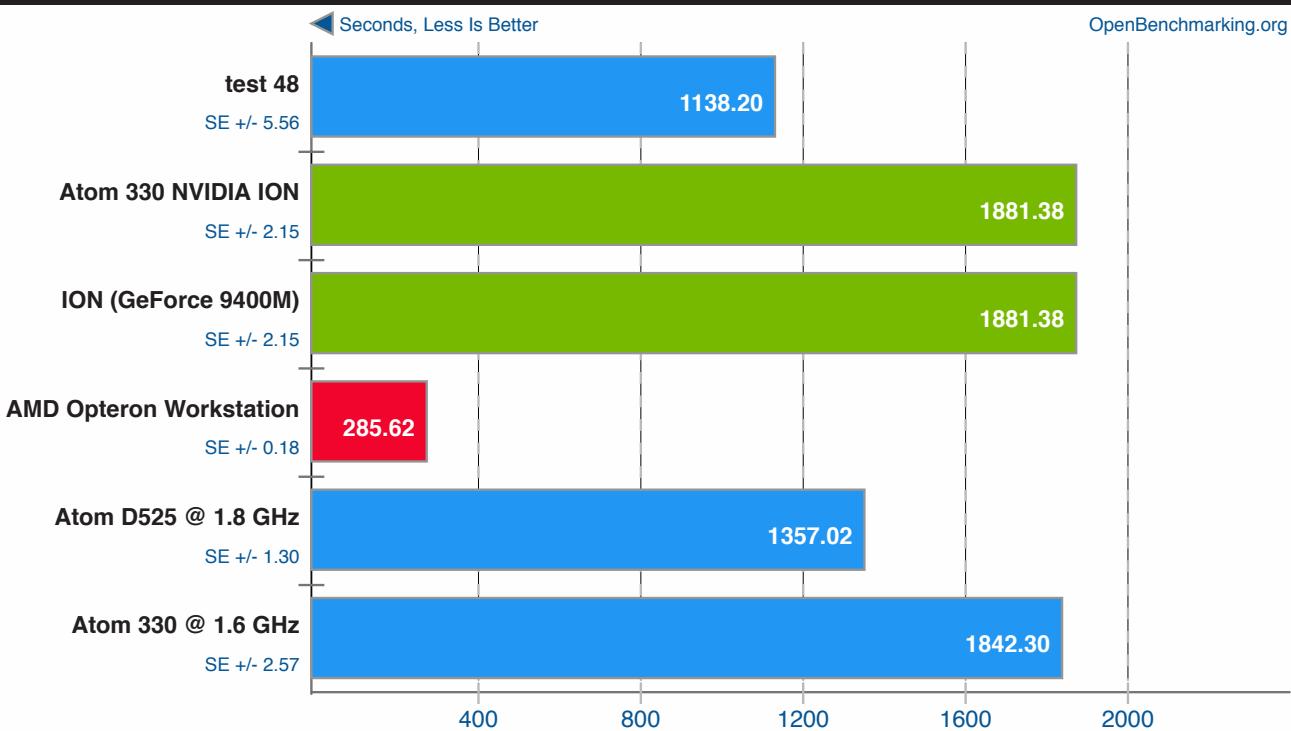
Phoronix Test Suite 7.0.0

Minion v0.9

Benchmark: Solitaire



OpenBenchmarking.org



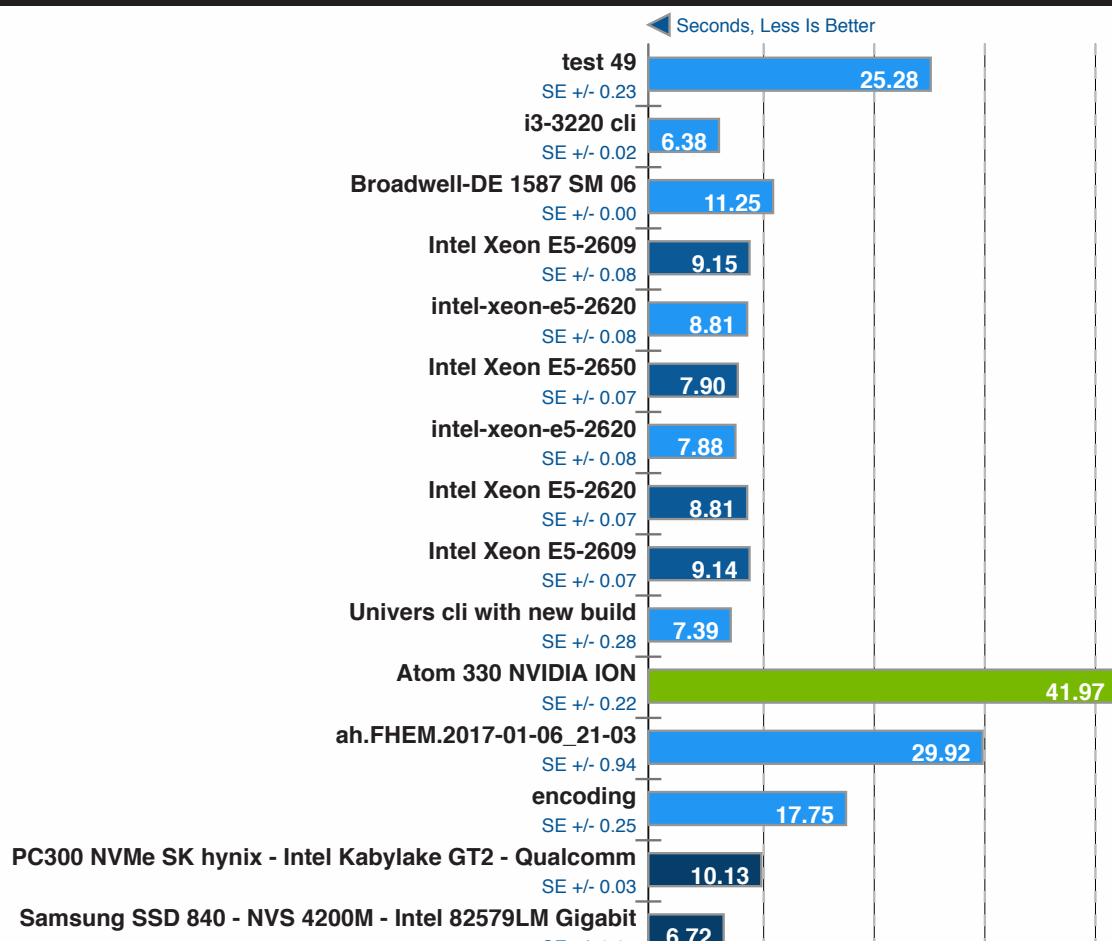
Phoronix Test Suite 7.0.0

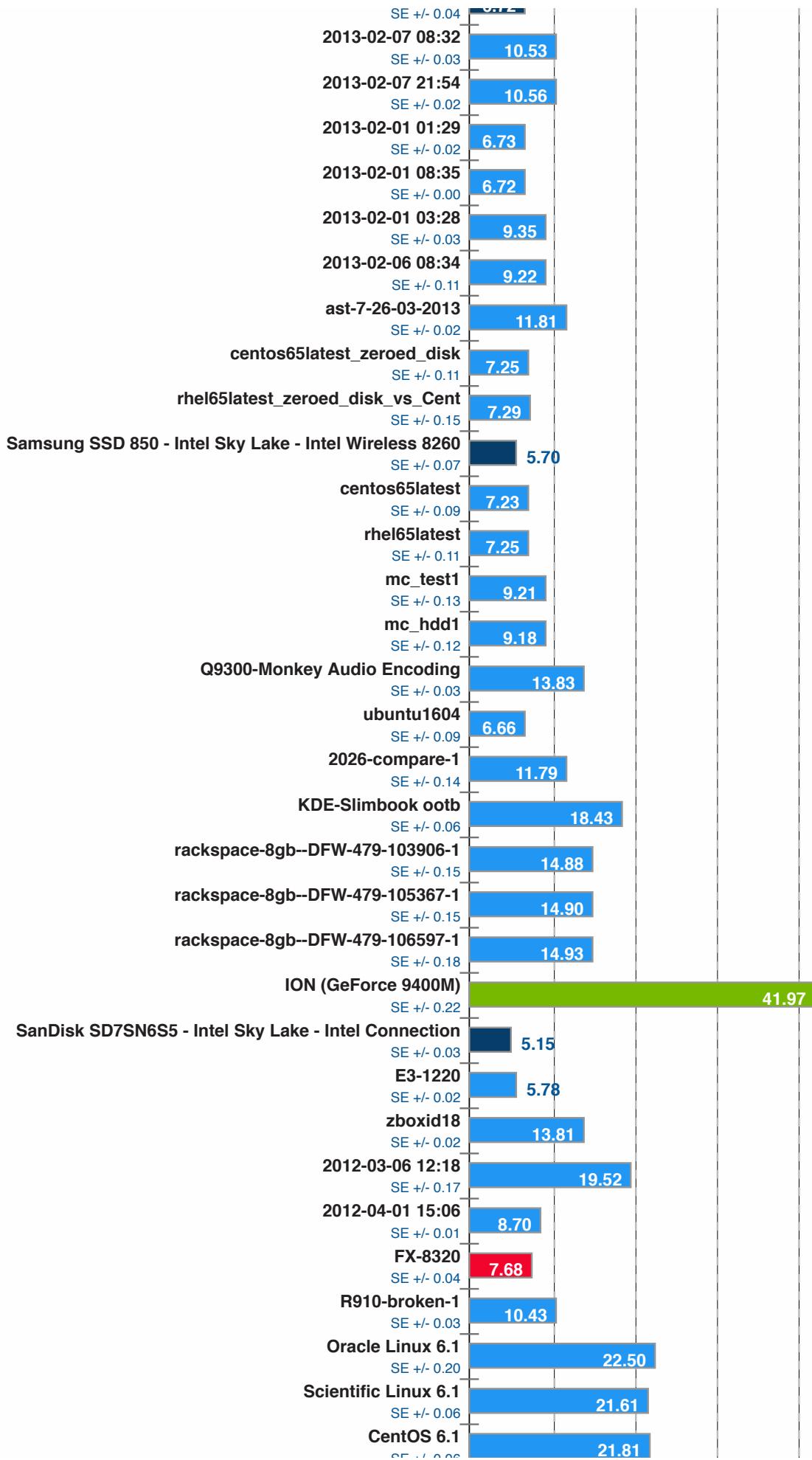
Monkey Audio Encoding v3.99u4b5s6

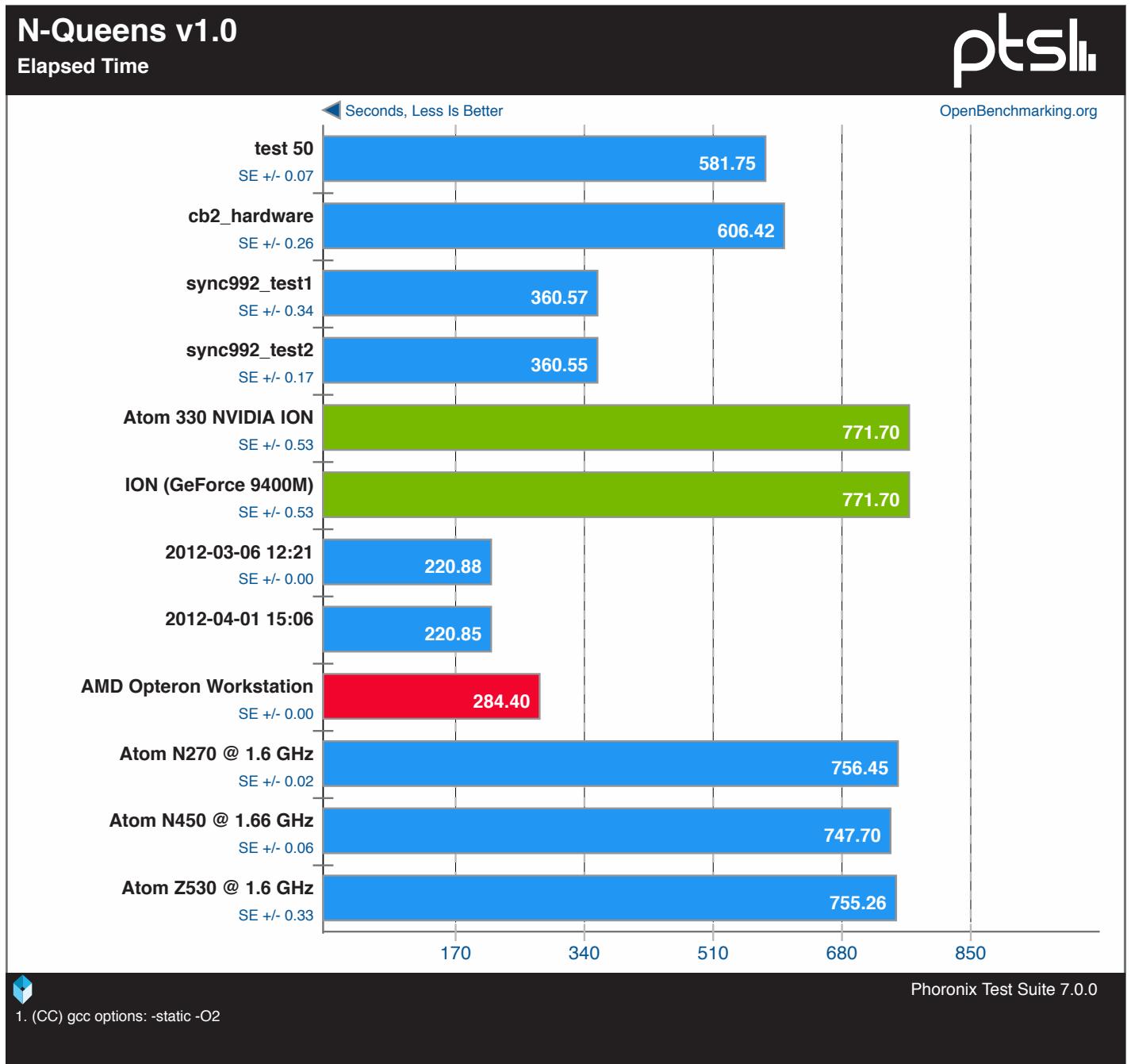
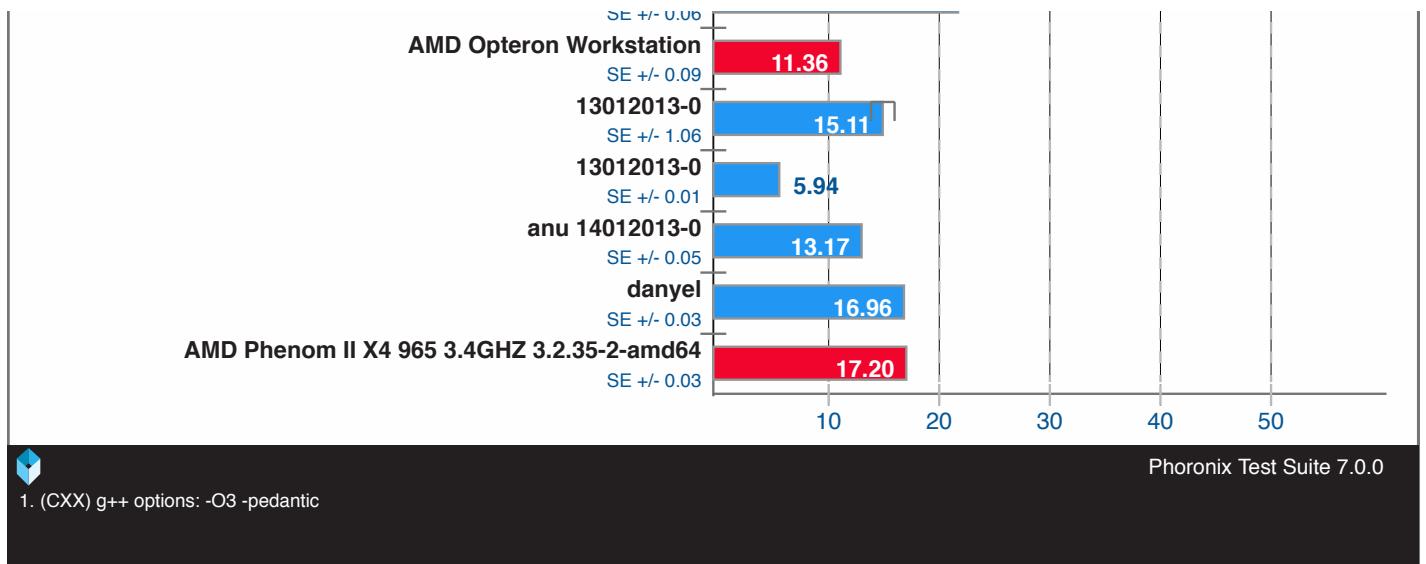
WAV To APE



OpenBenchmarking.org





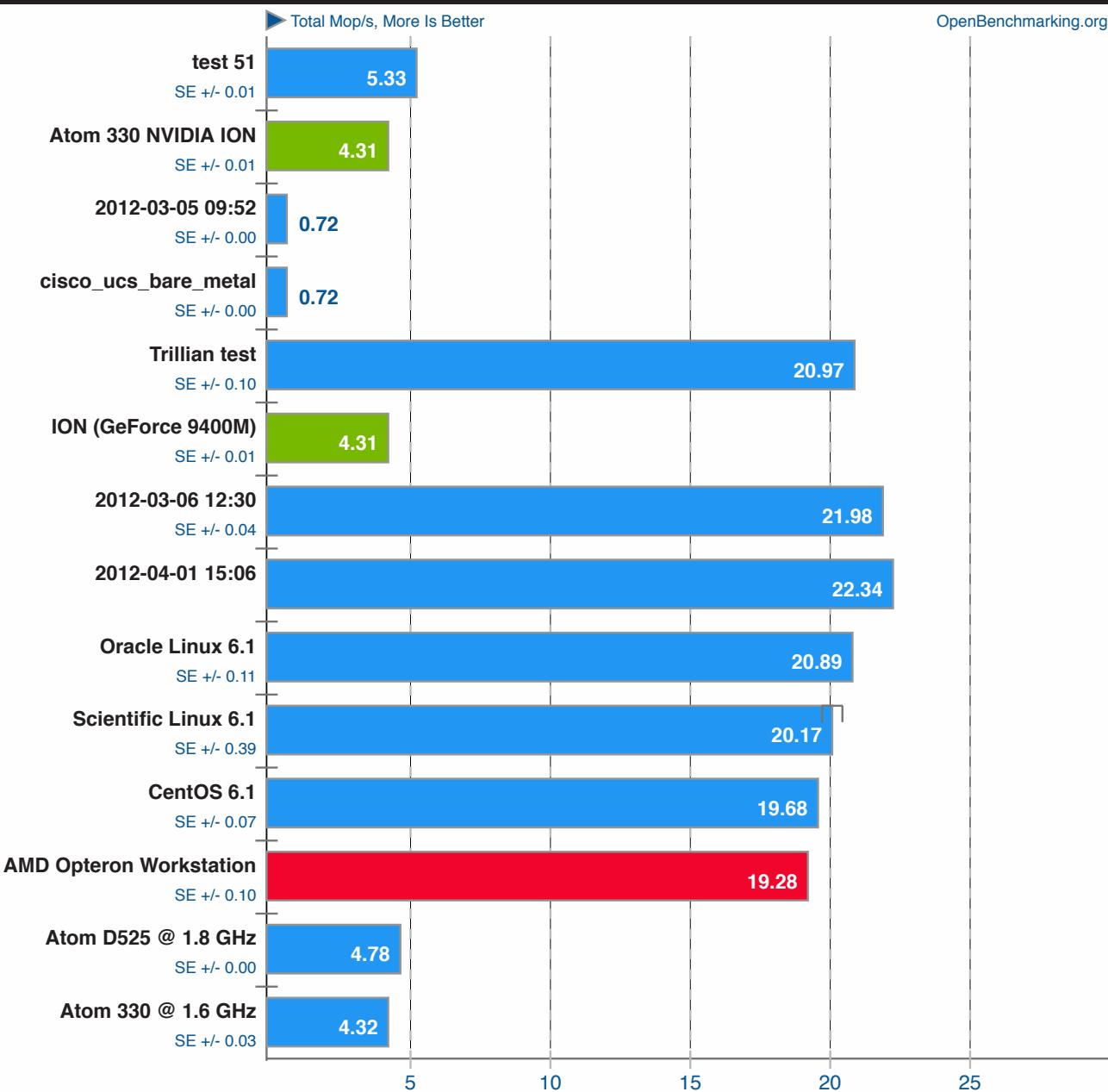


NAS Parallel Benchmarks v3.3

Test / Class: UA.A



OpenBenchmarking.org



1. (F9X) gfortran options: -fopenmp

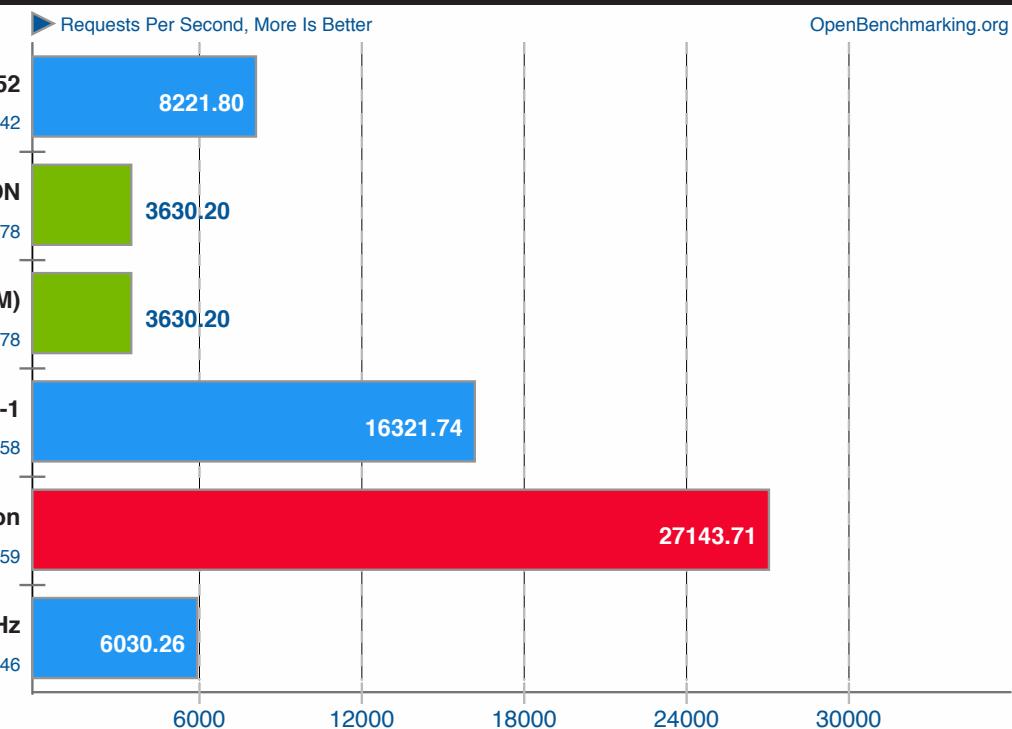
Phoronix Test Suite 7.0.0

NGINX Benchmark v0.8.53

Static Web Page Serving



OpenBenchmarking.org



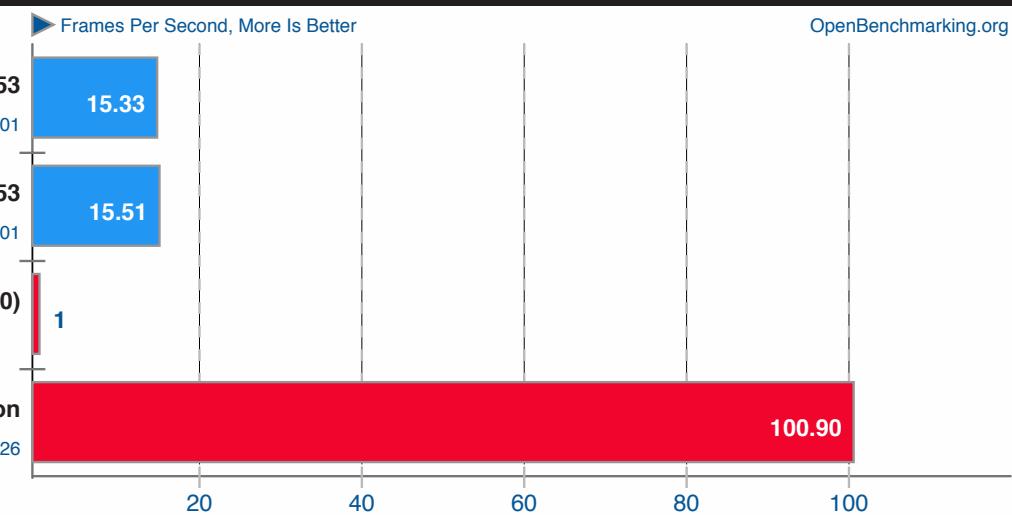
Phoronix Test Suite 7.0.0

Nexuiz v2.5.2

Resolution: 1920 x 1080 - HDR: Yes - Sound: On



OpenBenchmarking.org



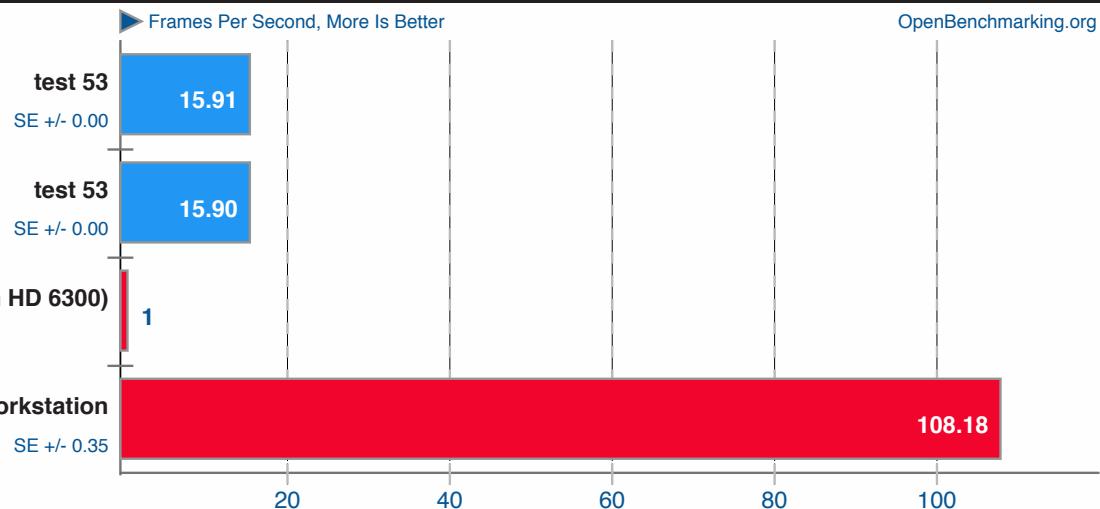
Phoronix Test Suite 7.0.0

Nexuiz v2.5.2

Resolution: 1920 x 1080 - HDR: Yes - Sound: Off



OpenBenchmarking.org



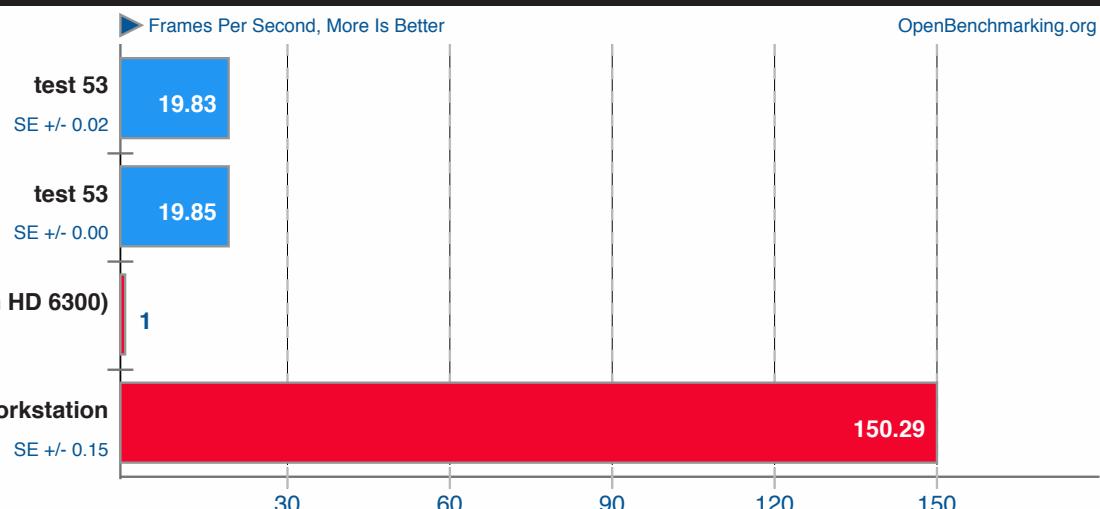
Phoronix Test Suite 7.0.0

Nexuiz v2.5.2

Resolution: 1920 x 1080 - HDR: No - Sound: On



OpenBenchmarking.org



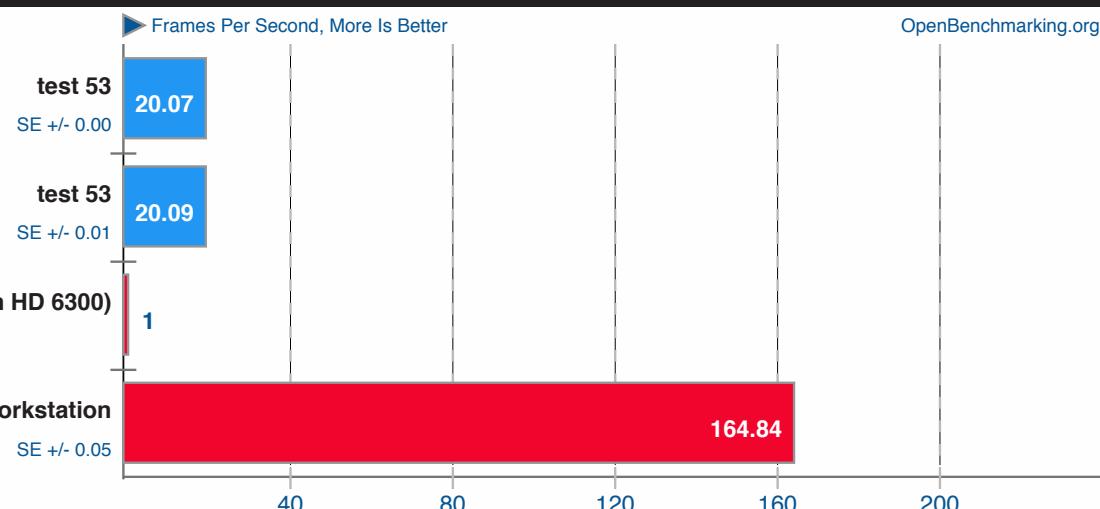
Phoronix Test Suite 7.0.0

Nexuiz v2.5.2

Resolution: 1920 x 1080 - HDR: No - Sound: Off



OpenBenchmarking.org



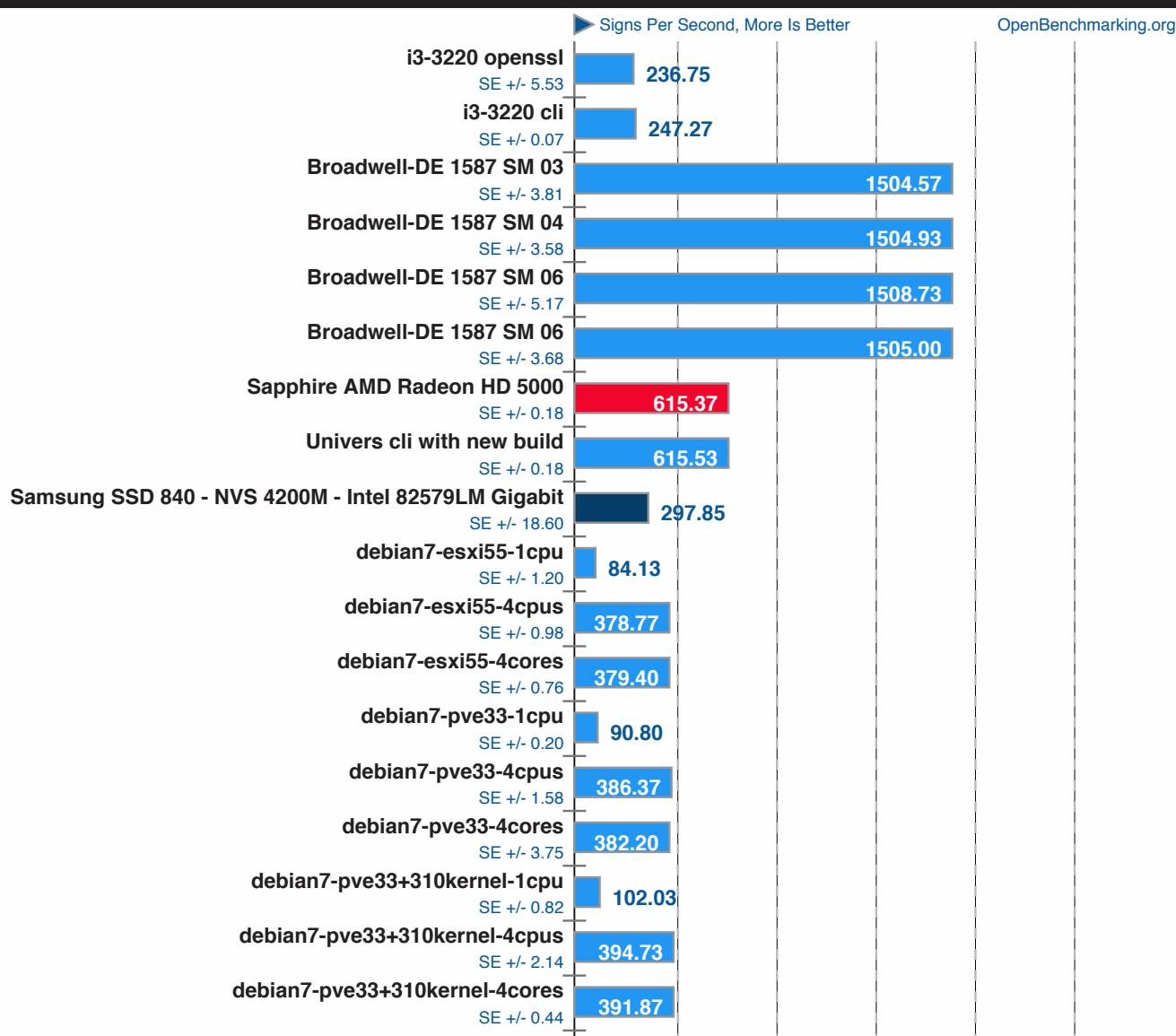
Phoronix Test Suite 7.0.0

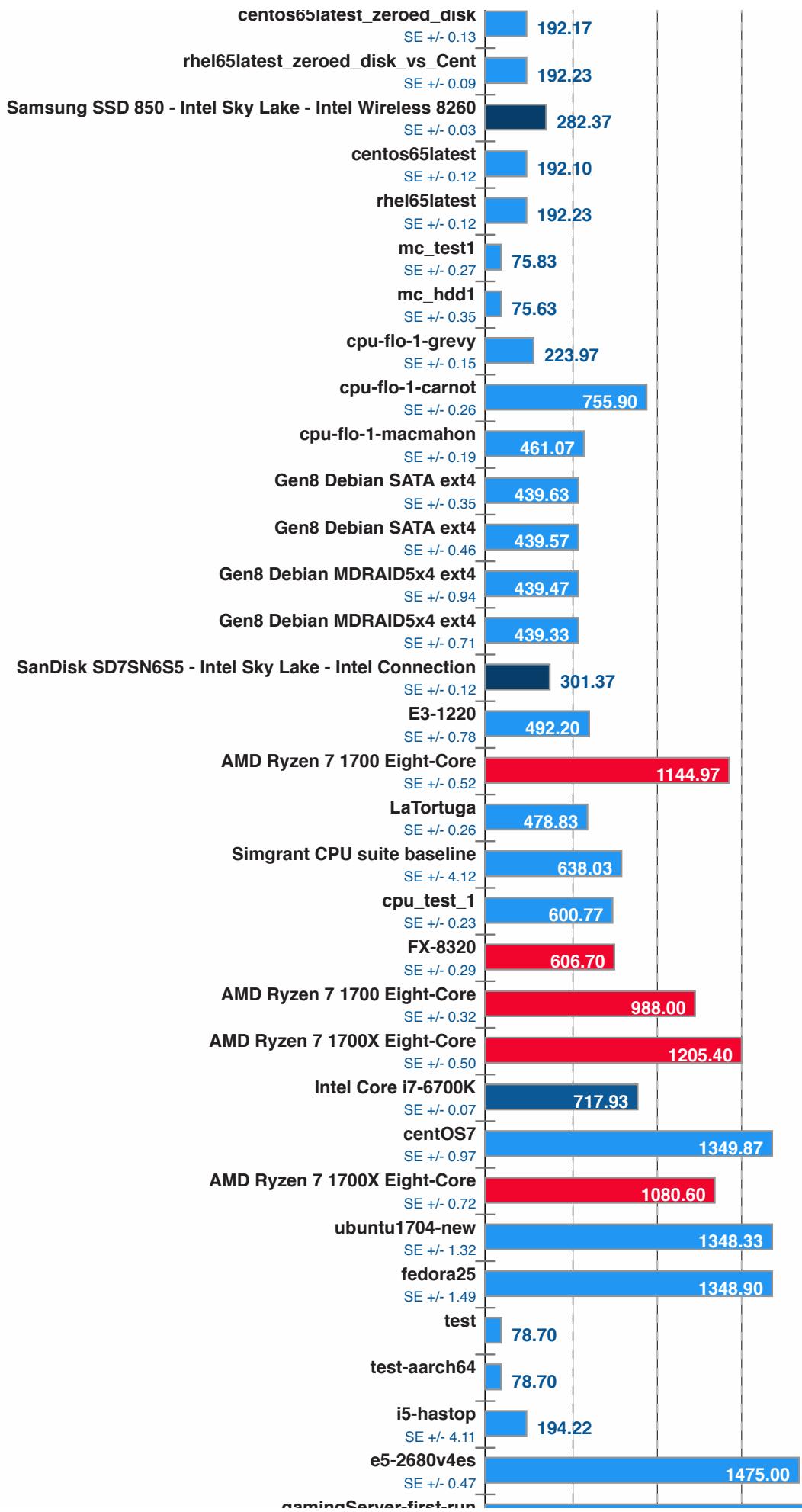
OpenSSL v1.0.1g

RSA 4096-bit Performance



OpenBenchmarking.org





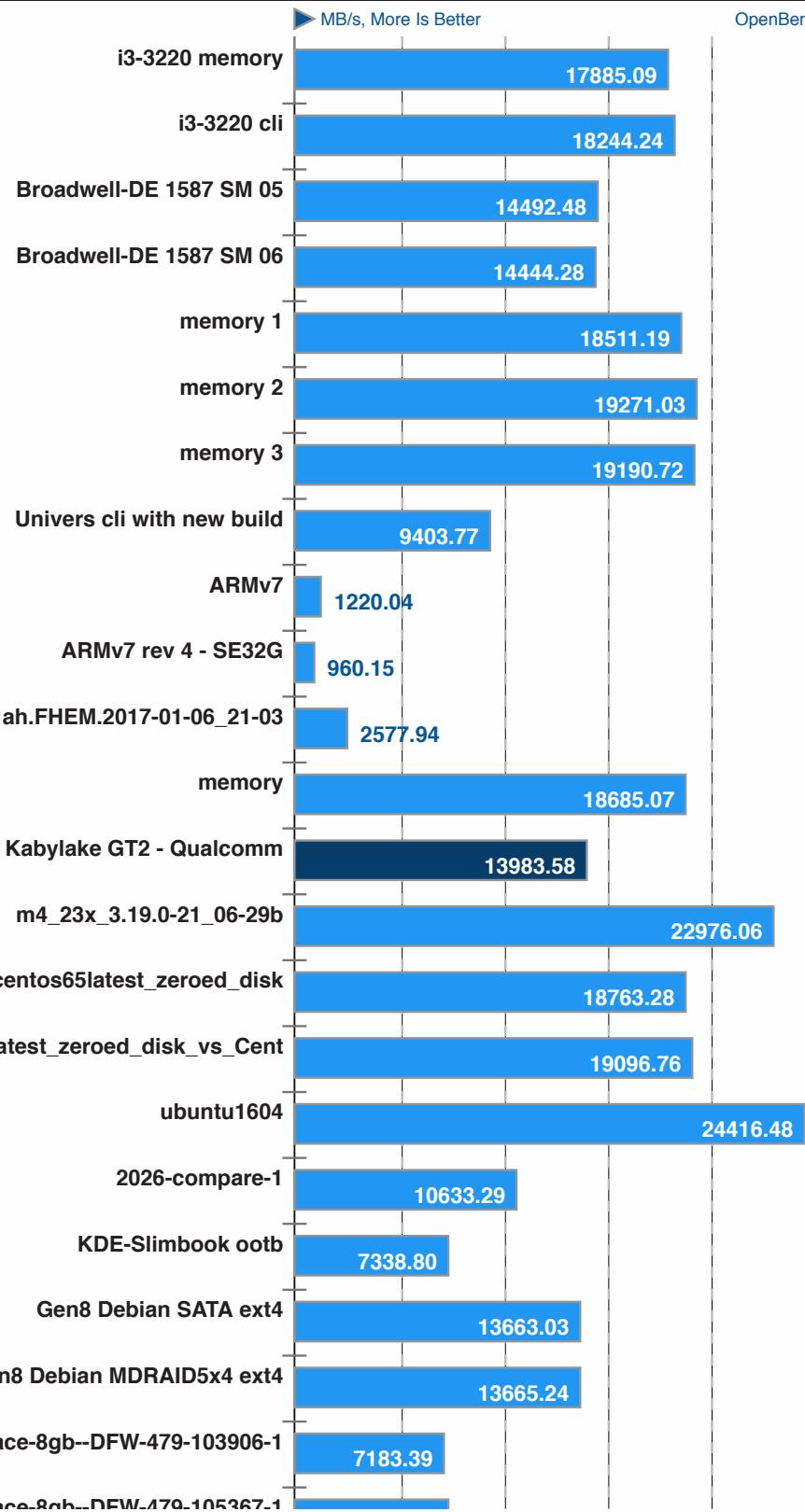


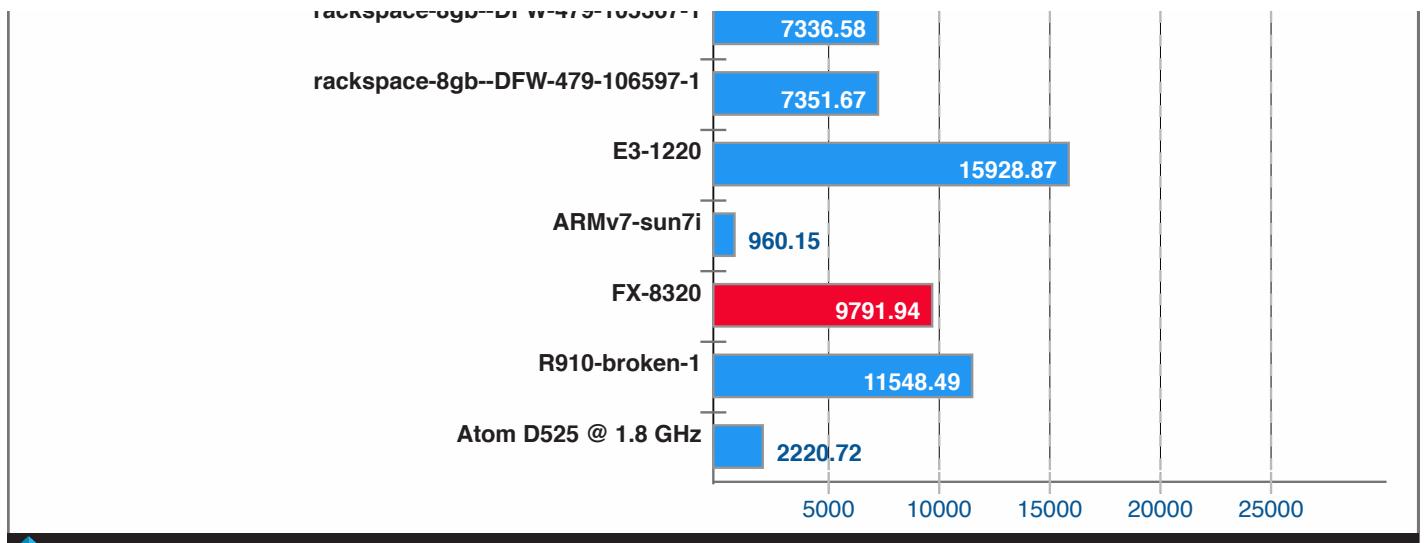
RAMspeed SMP v3.5.0

Integer Add

ptsli

OpenBenchmarking.org





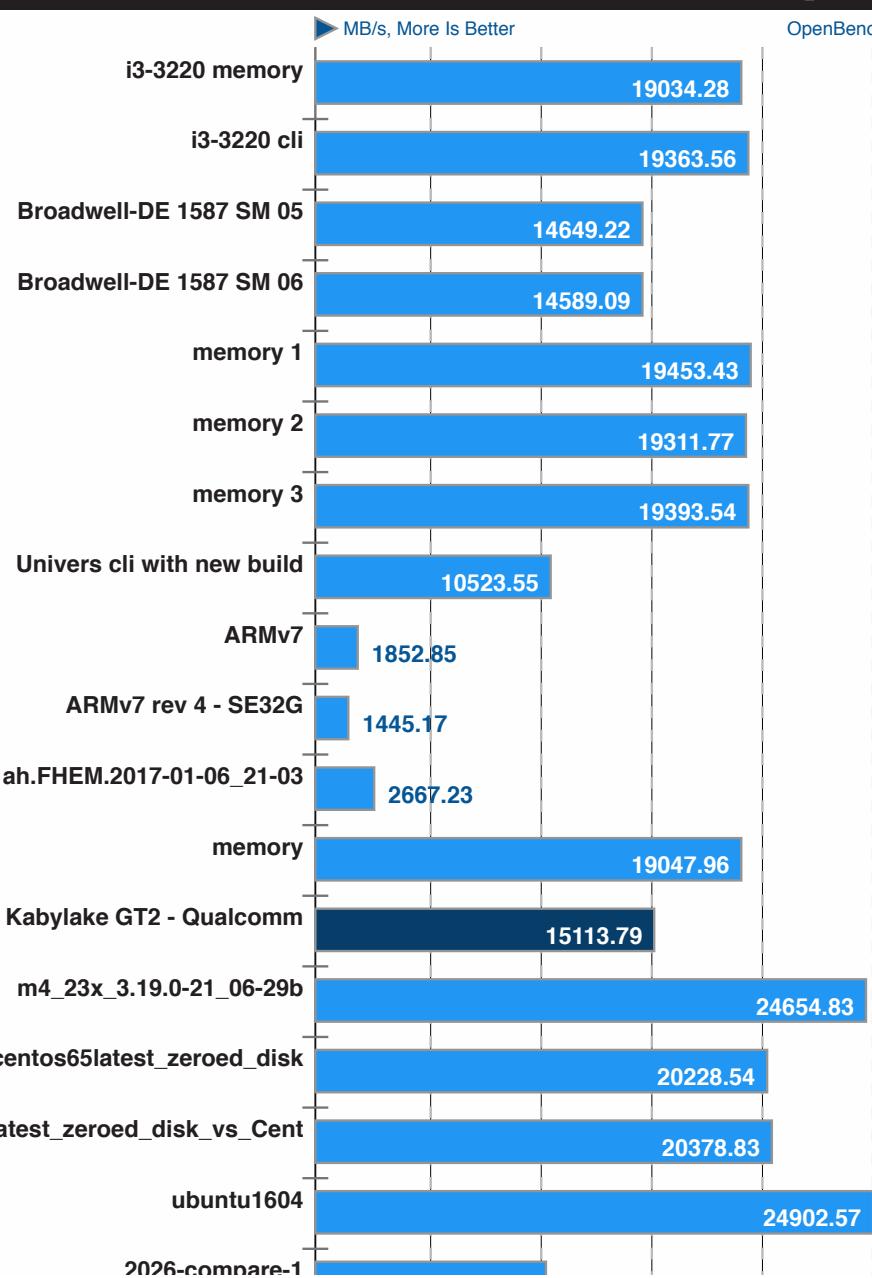
Phoronix Test Suite 7.0.0

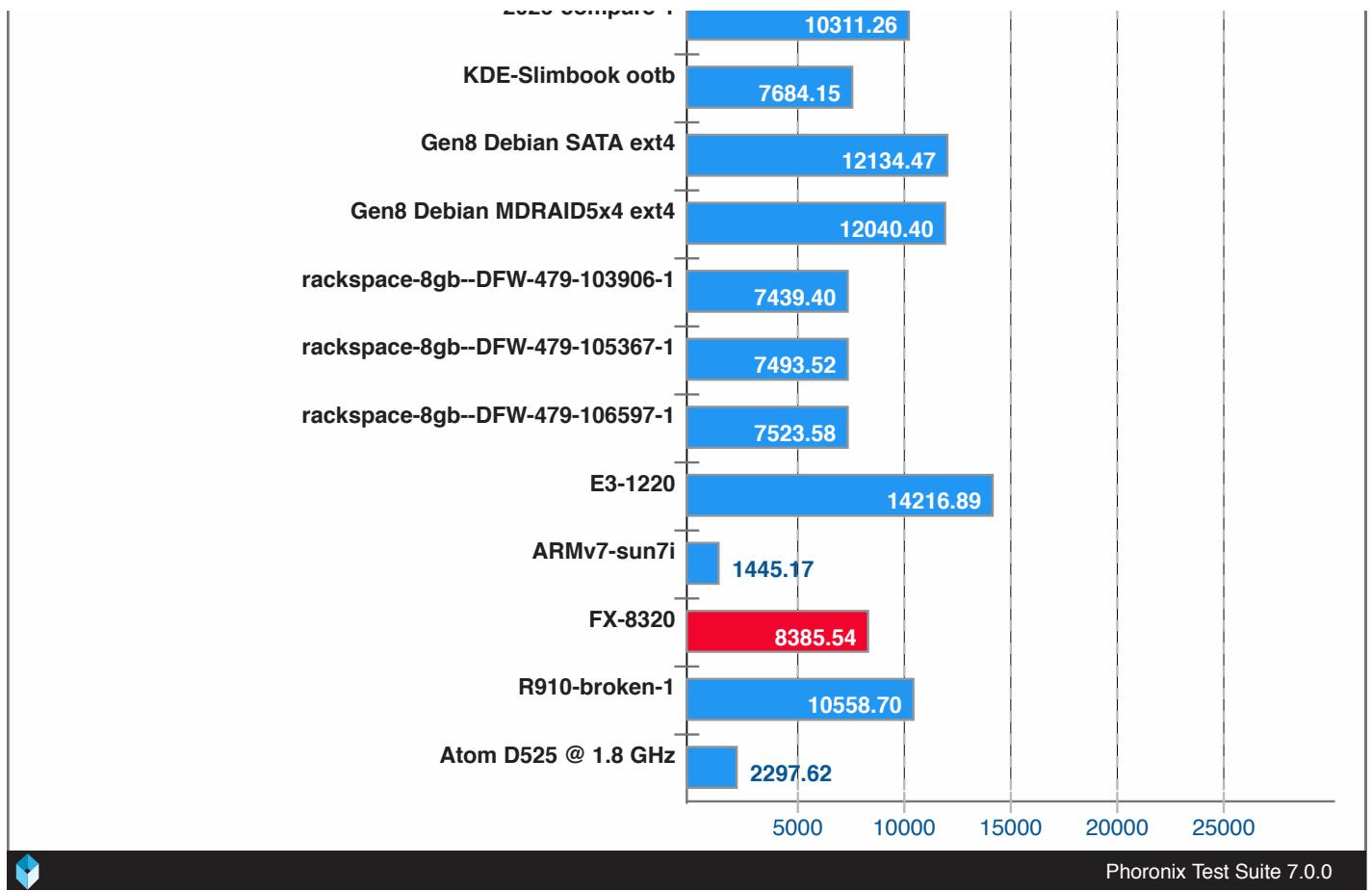
RAMspeed SMP v3.5.0

Integer Copy

ptsli

OpenBenchmarking.org



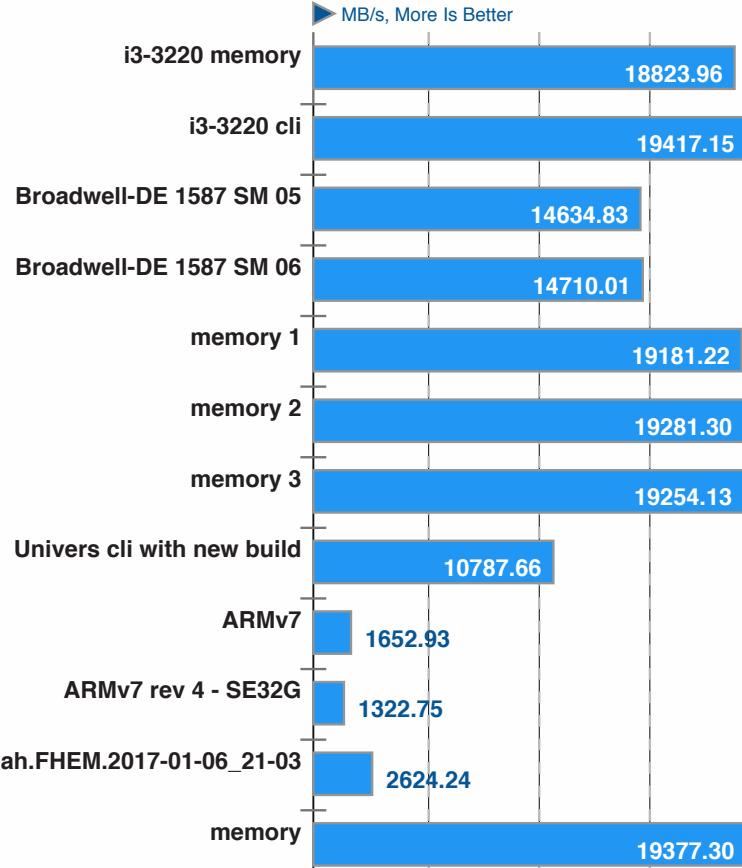


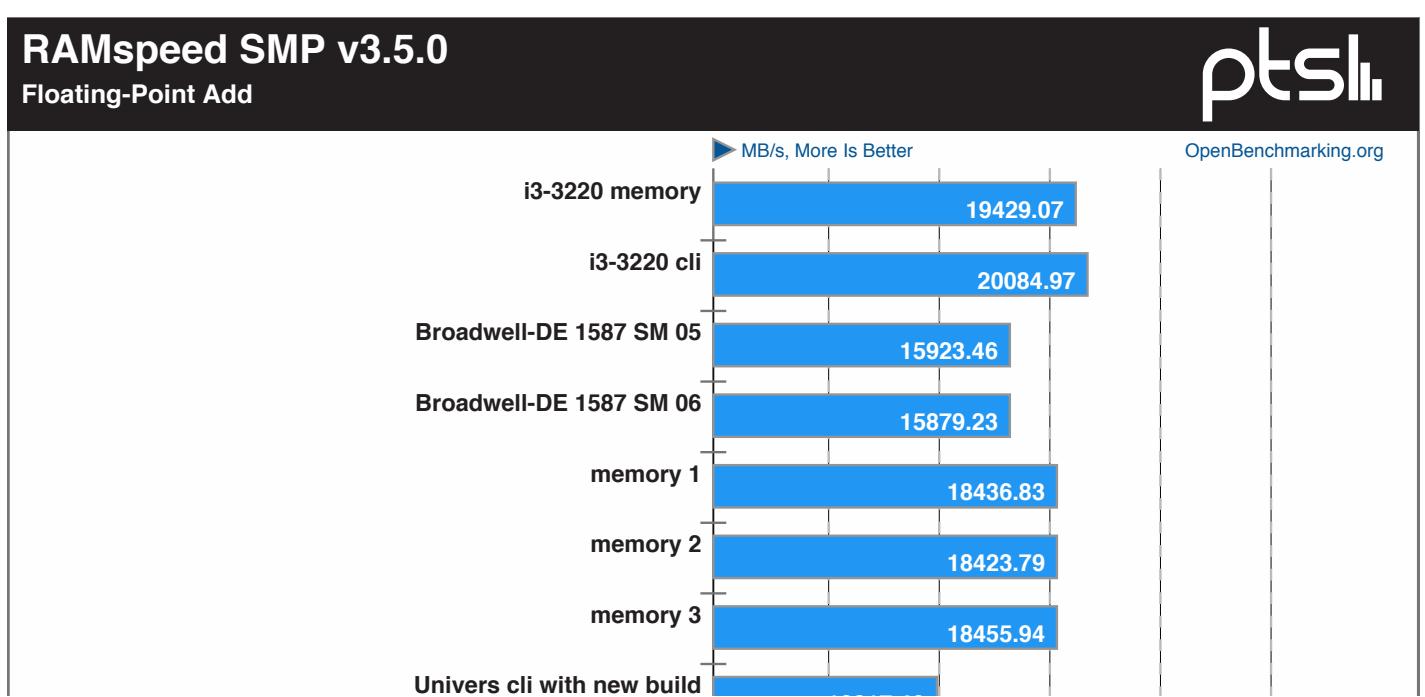
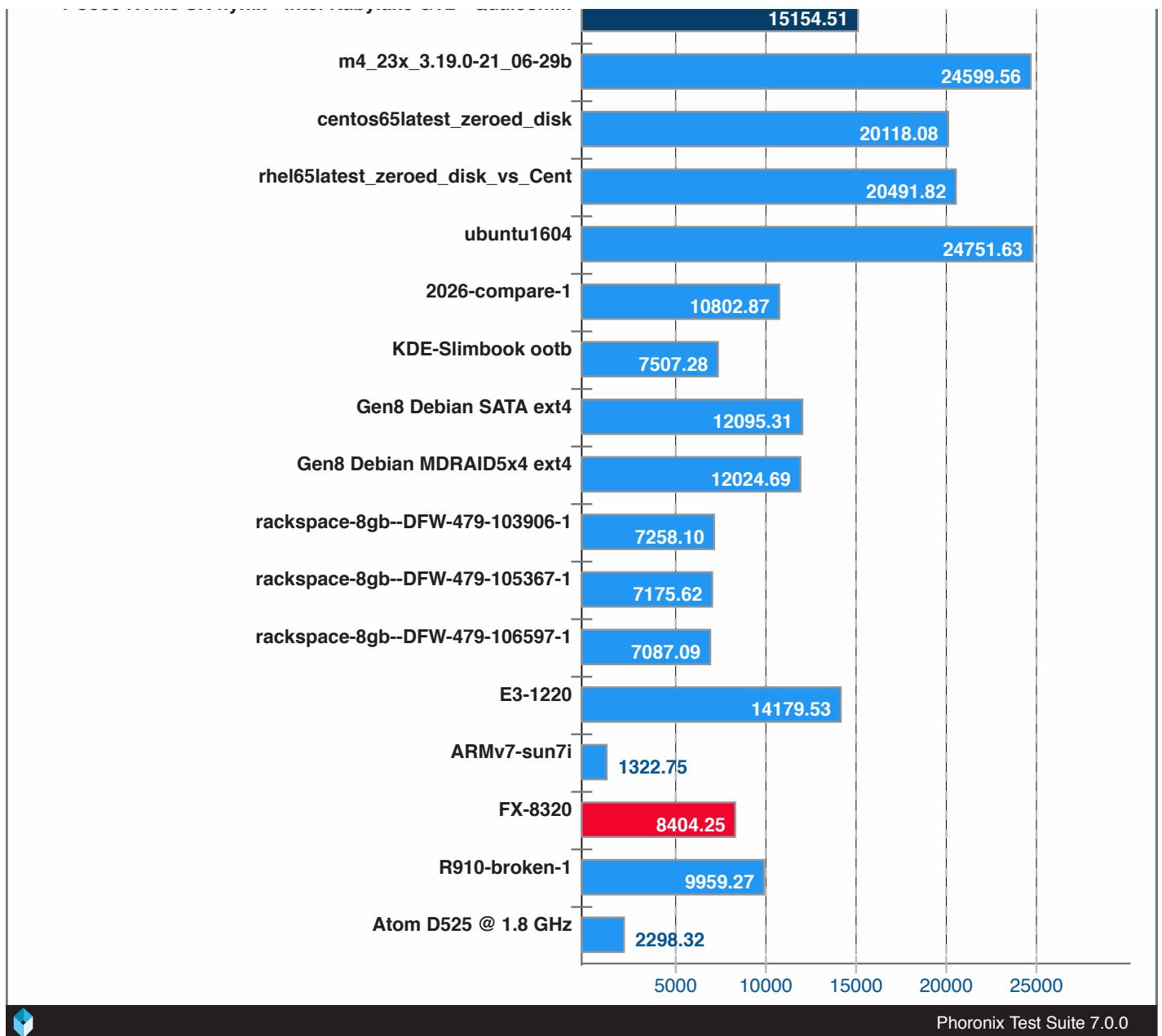
RAMspeed SMP v3.5.0

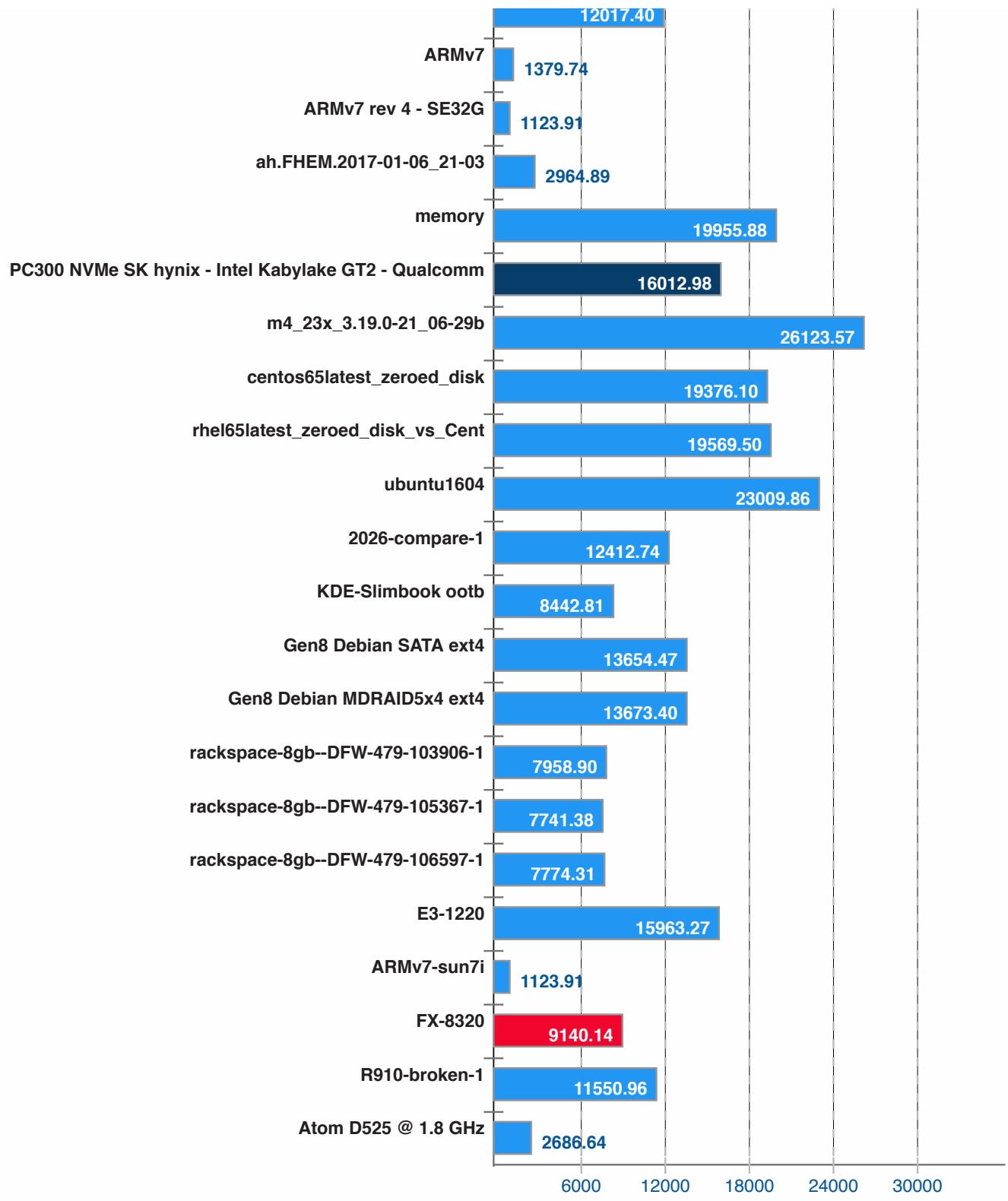
Integer Scale



OpenBenchmarking.org





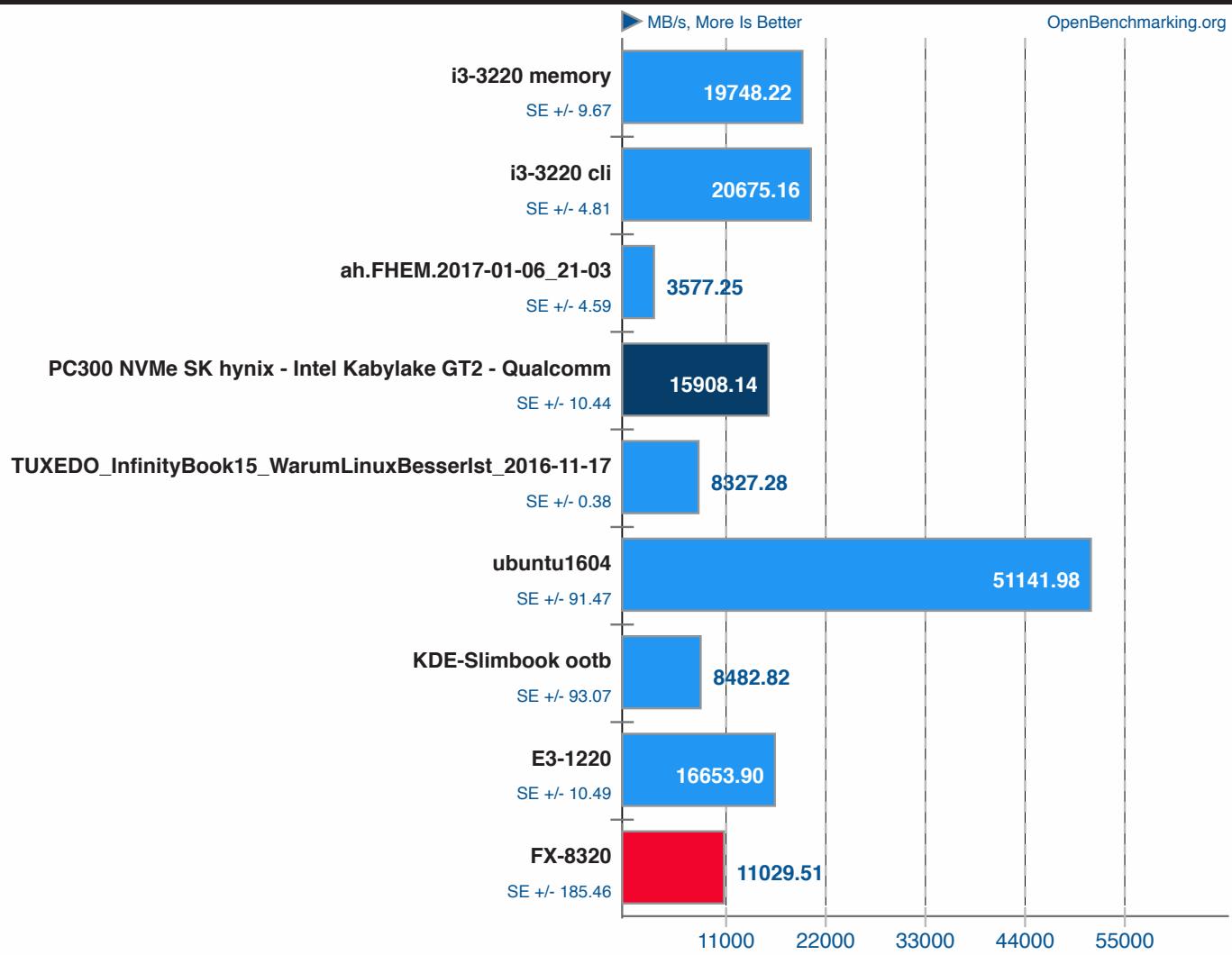


Stream v2013-01-17

Add

ptsli

OpenBenchmarking.org



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

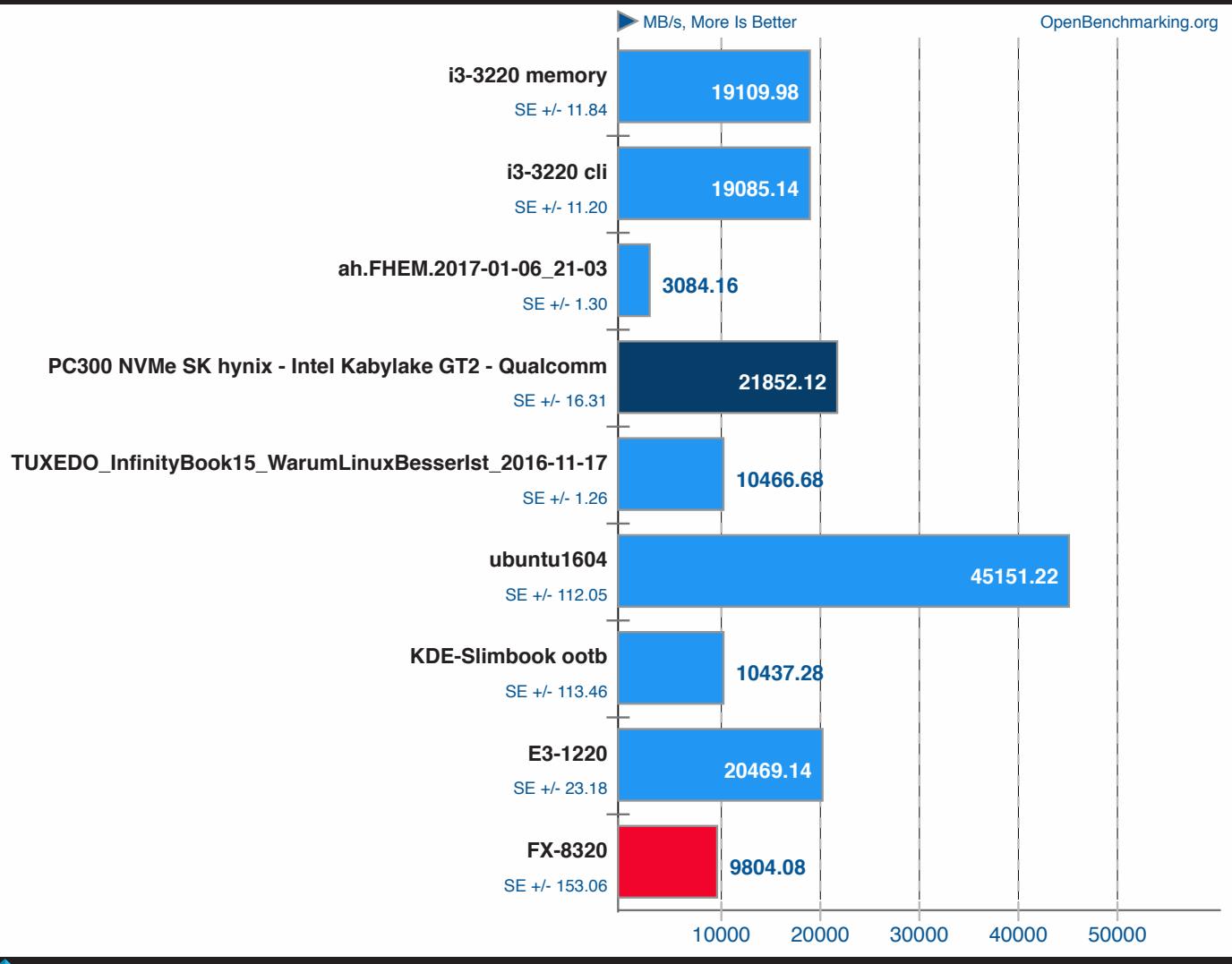
Phoronix Test Suite 7.0.0

Stream v2013-01-17

Copy

ptsli

OpenBenchmarking.org



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

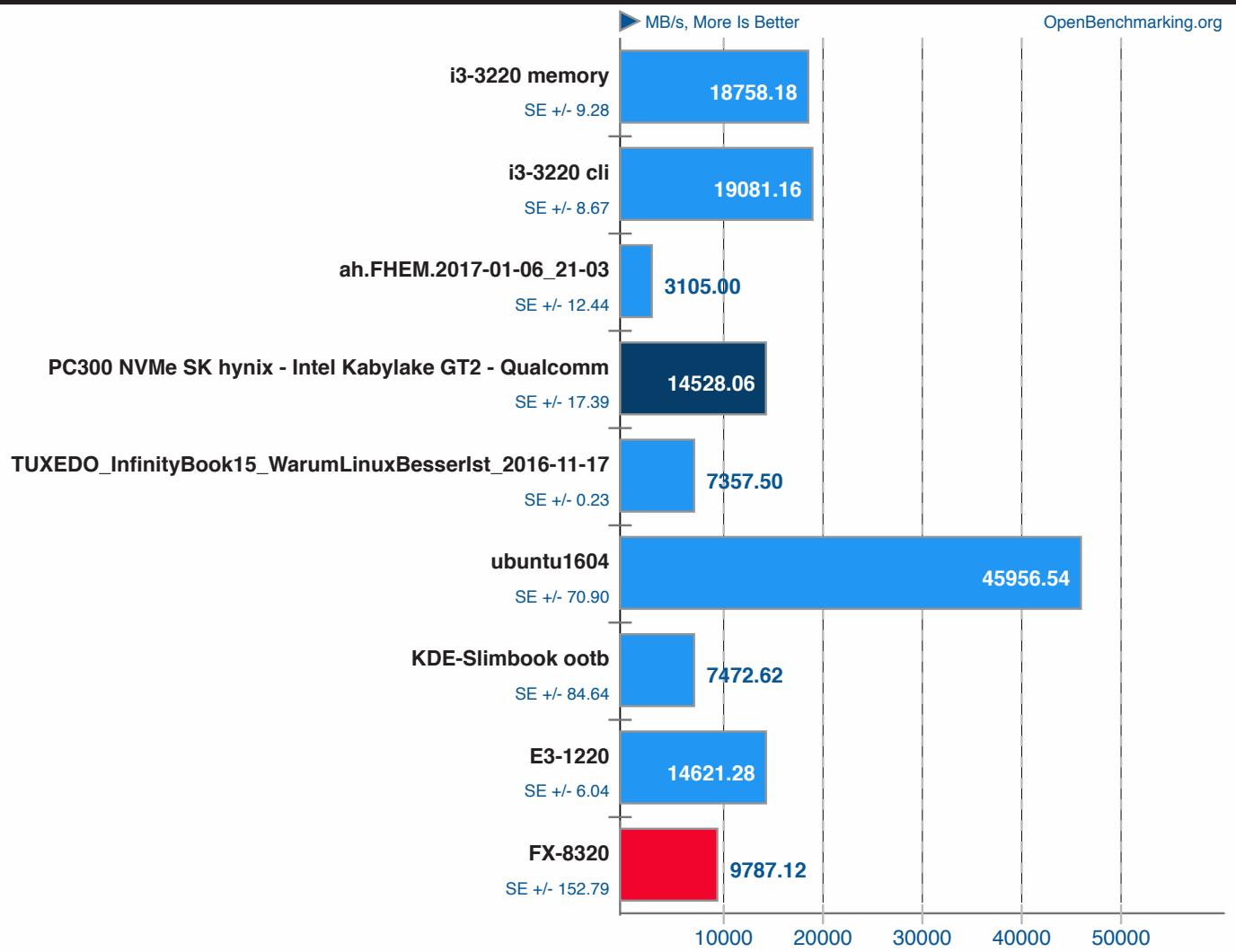
Phoronix Test Suite 7.0.0

Stream v2013-01-17

Scale

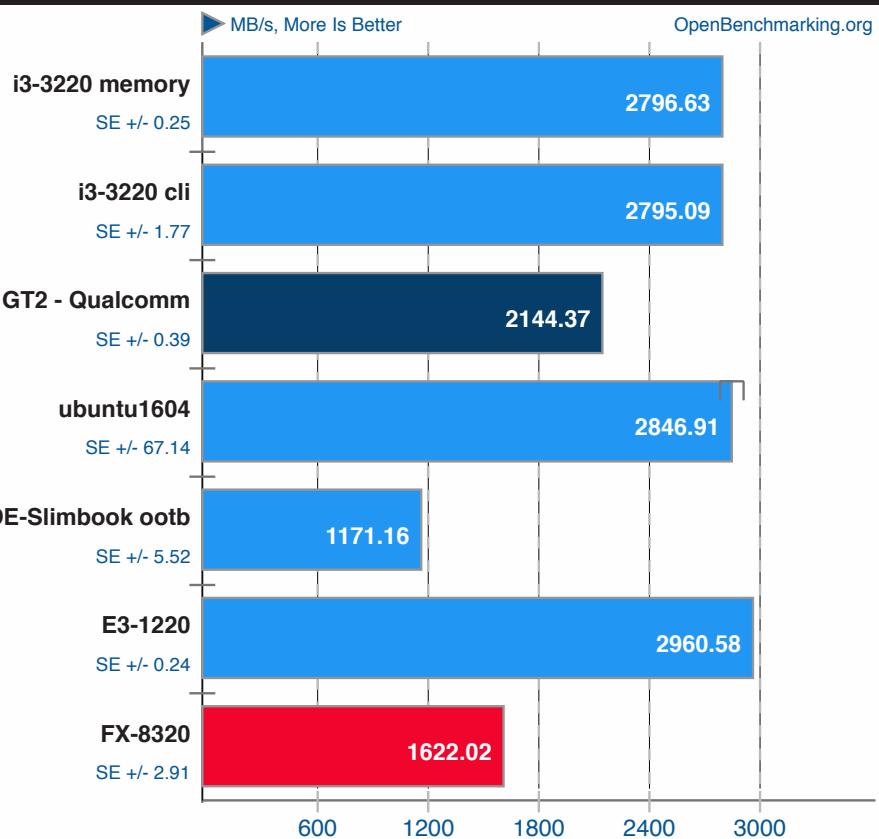
ptsli

OpenBenchmarking.org



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

Phoronix Test Suite 7.0.0



1. (CC) gcc options: -lrt

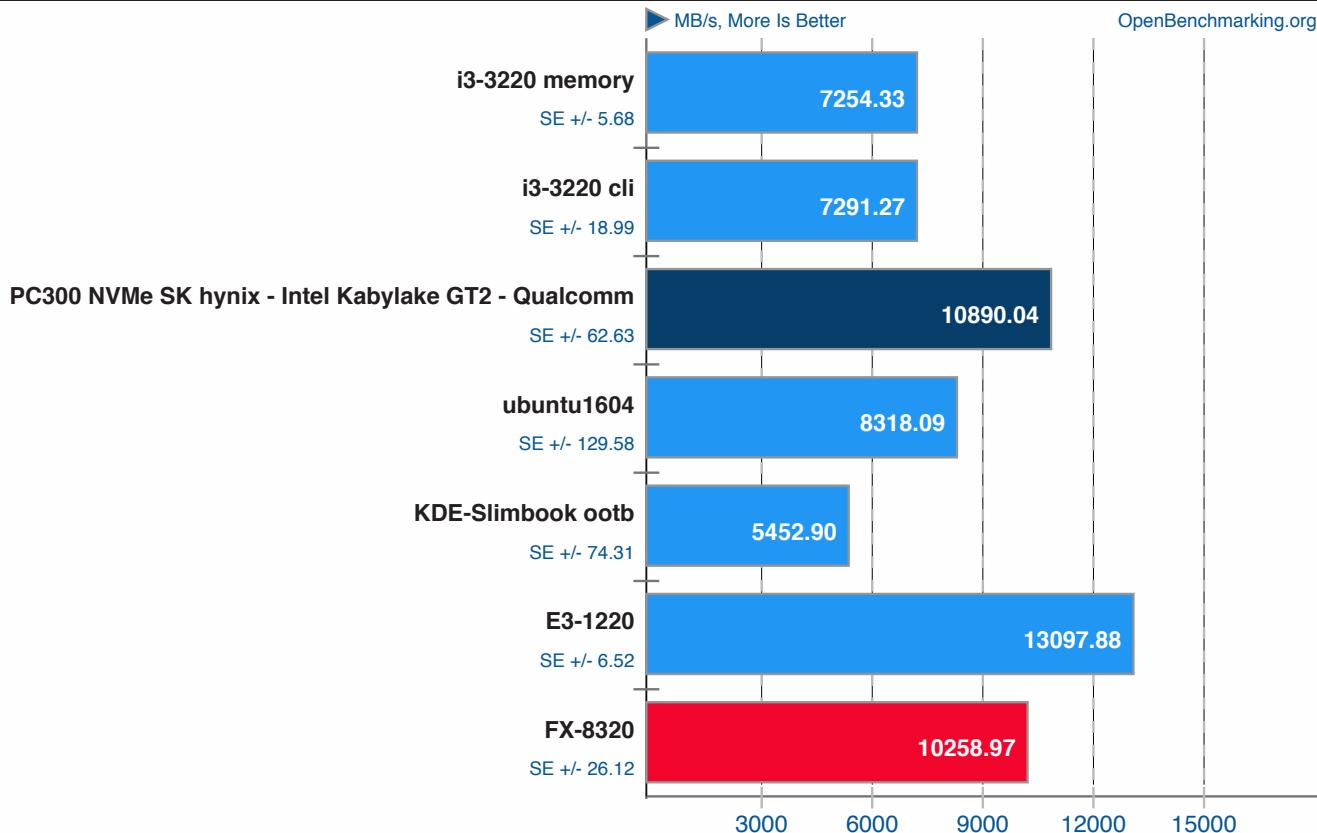
Phoronix Test Suite 7.0.0

CacheBench

Write Cache

ptsli

OpenBenchmarking.org



1. (CC) gcc options: -lrt

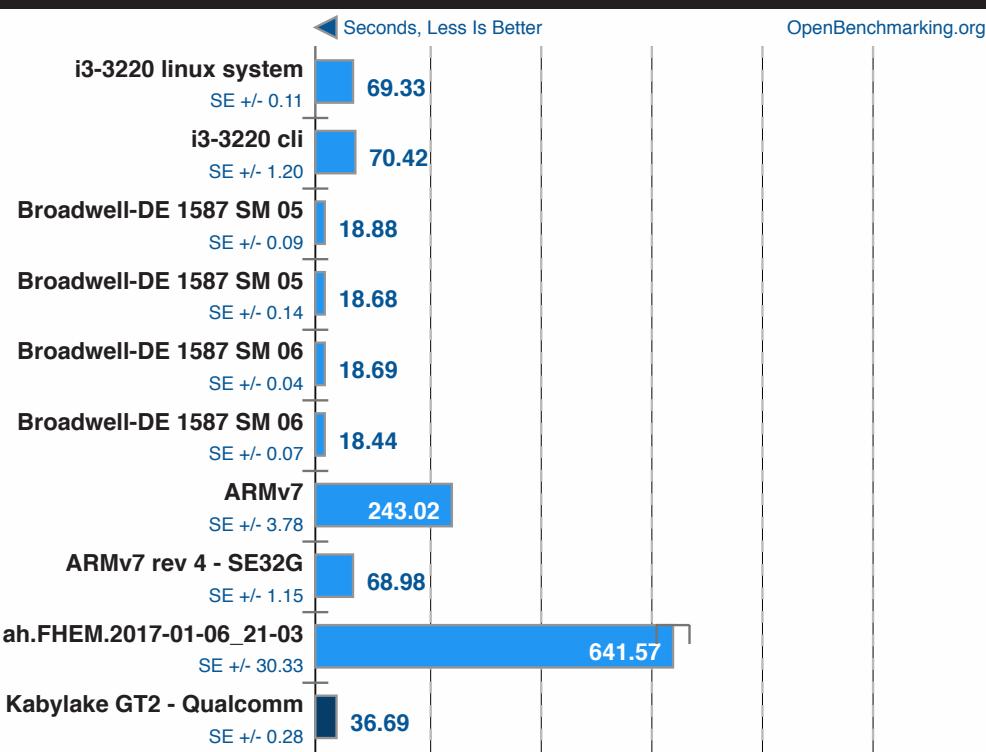
Phoronix Test Suite 7.0.0

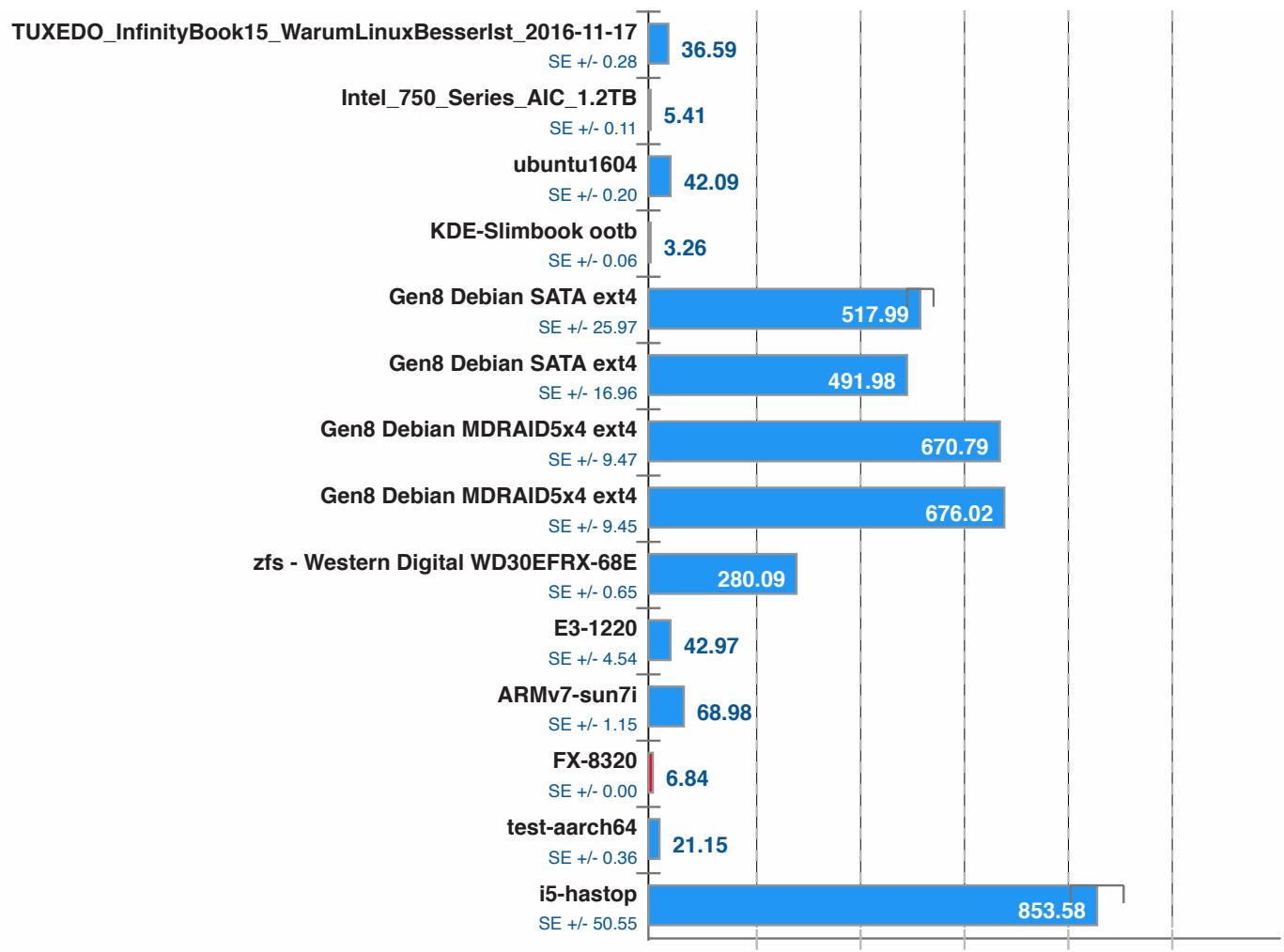
SQLite v3.8.10.2

Timed SQLite Insertions

ptsli

OpenBenchmarking.org





1. (CC) gcc options: -O2 -ldl -lpthread

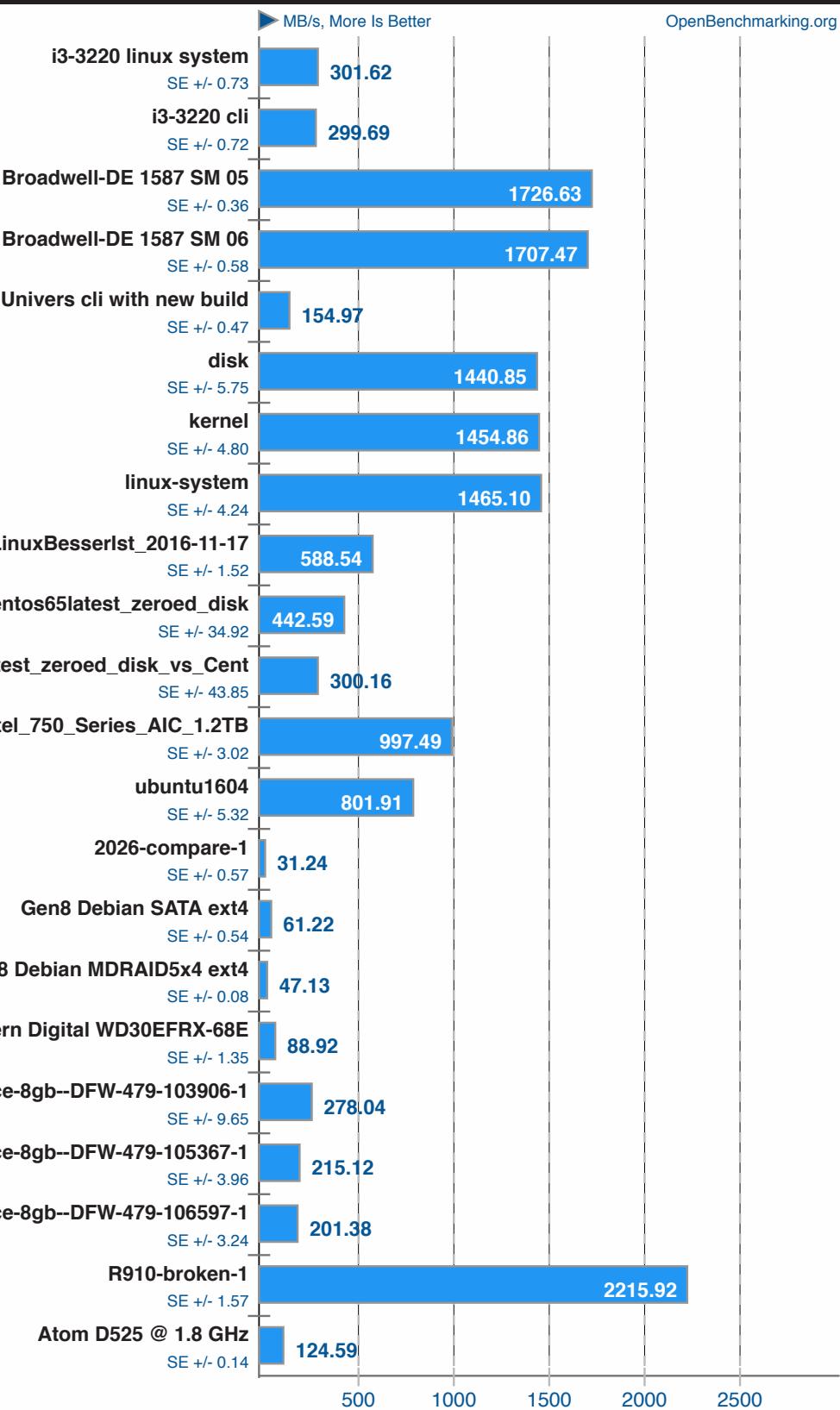
Phoronix Test Suite 7.0.0

Dbench v4.0

12 Clients



OpenBenchmarking.org



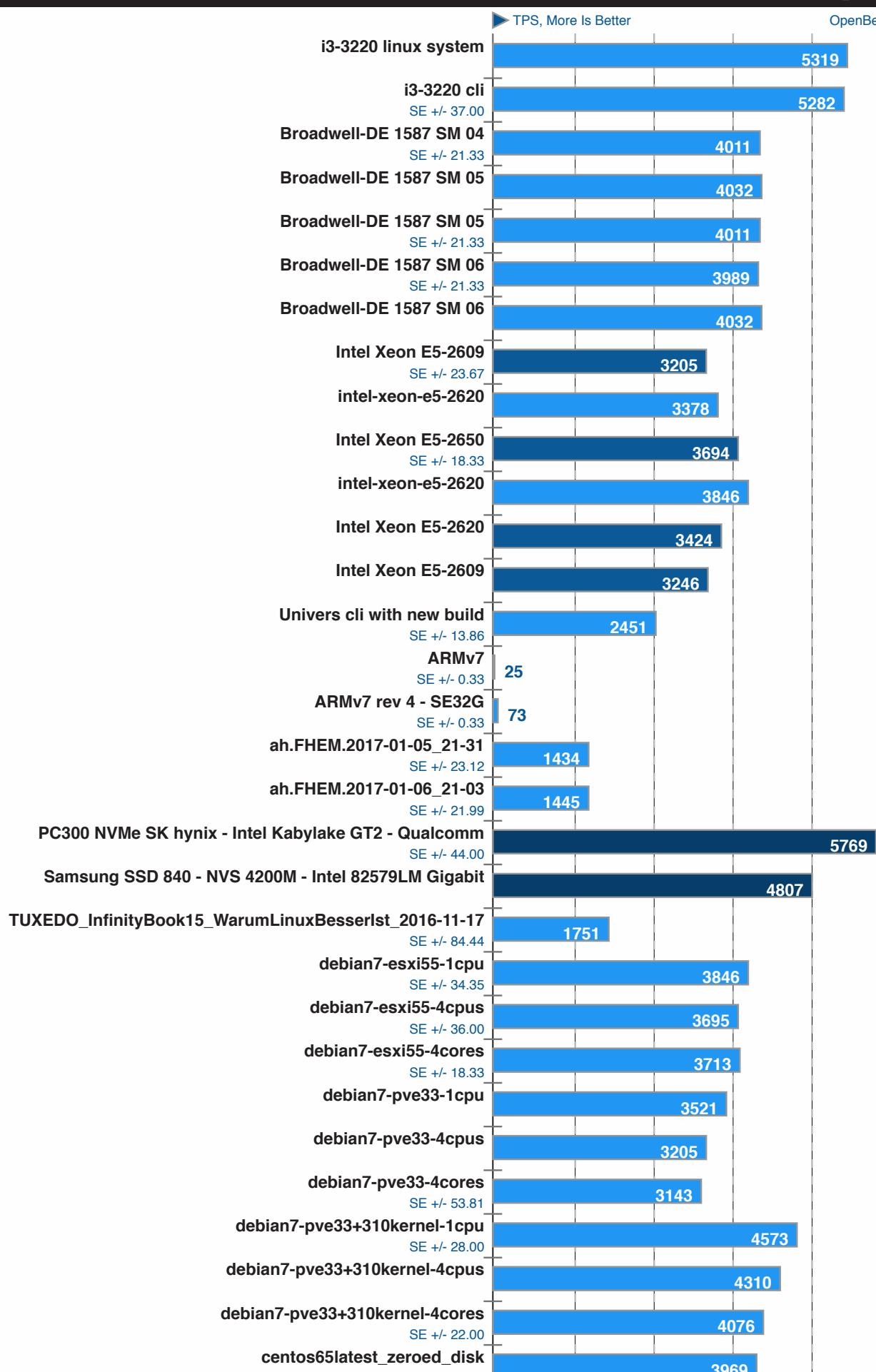
1. (CC) gcc options: -lpopt

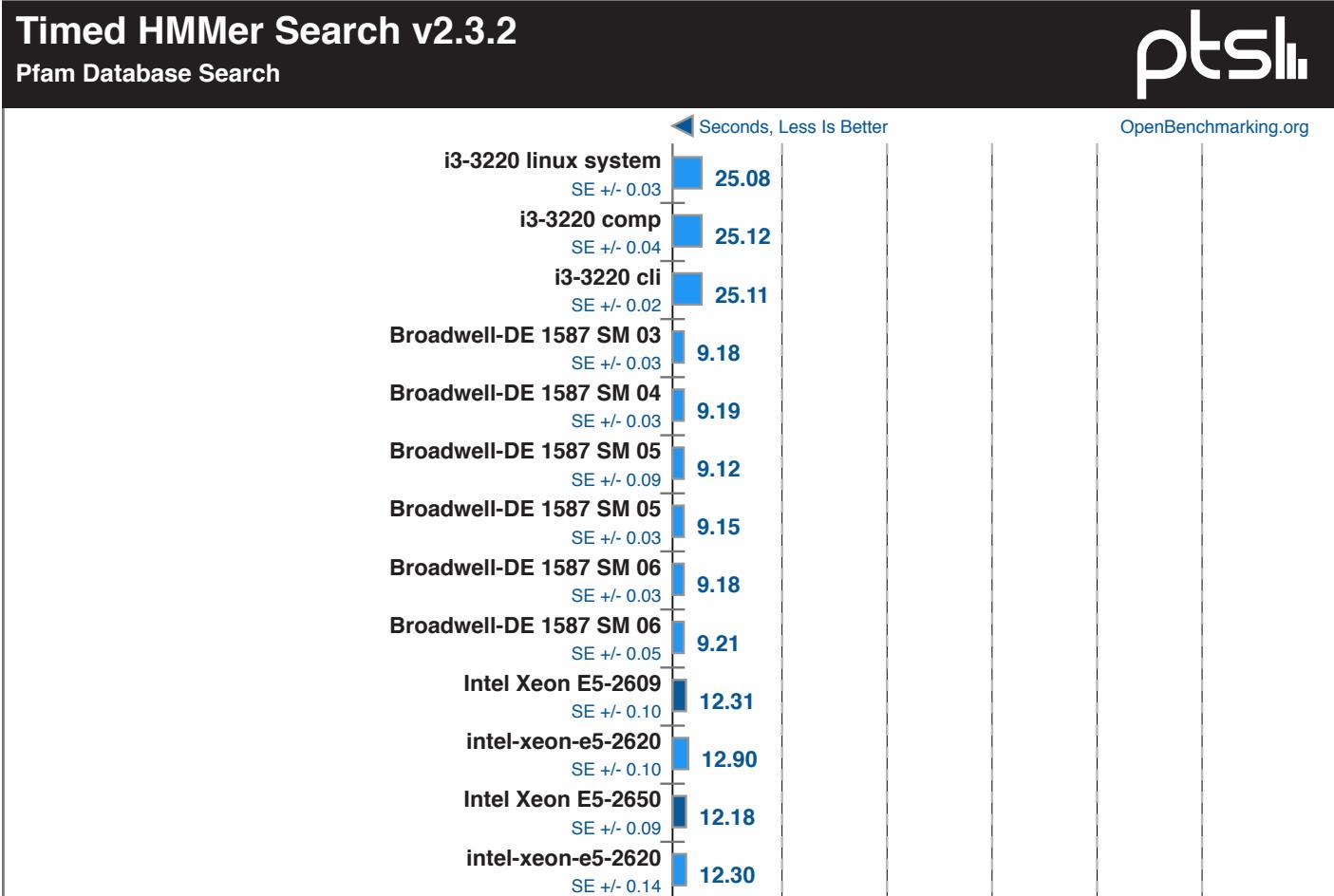
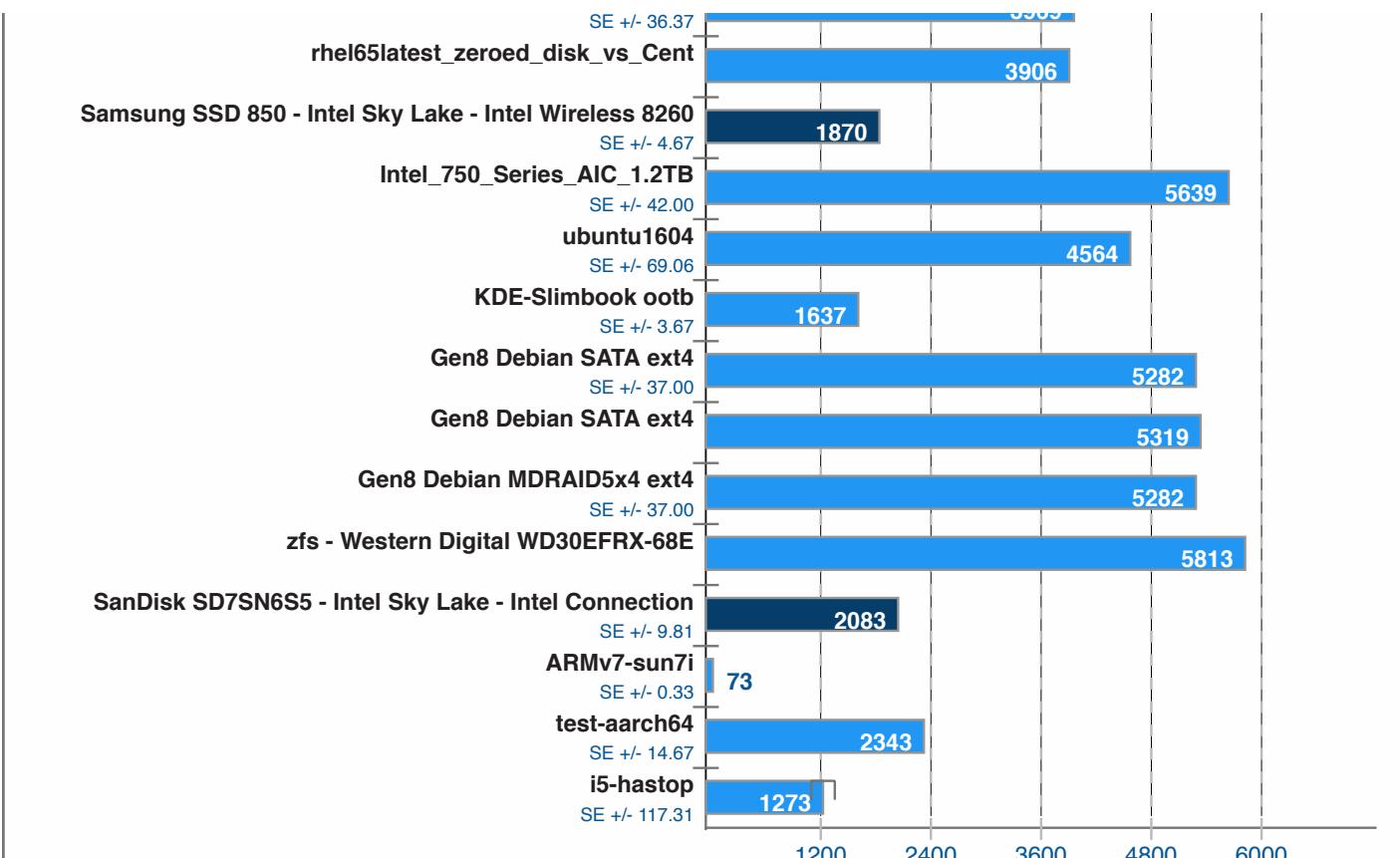
Phoronix Test Suite 7.0.0

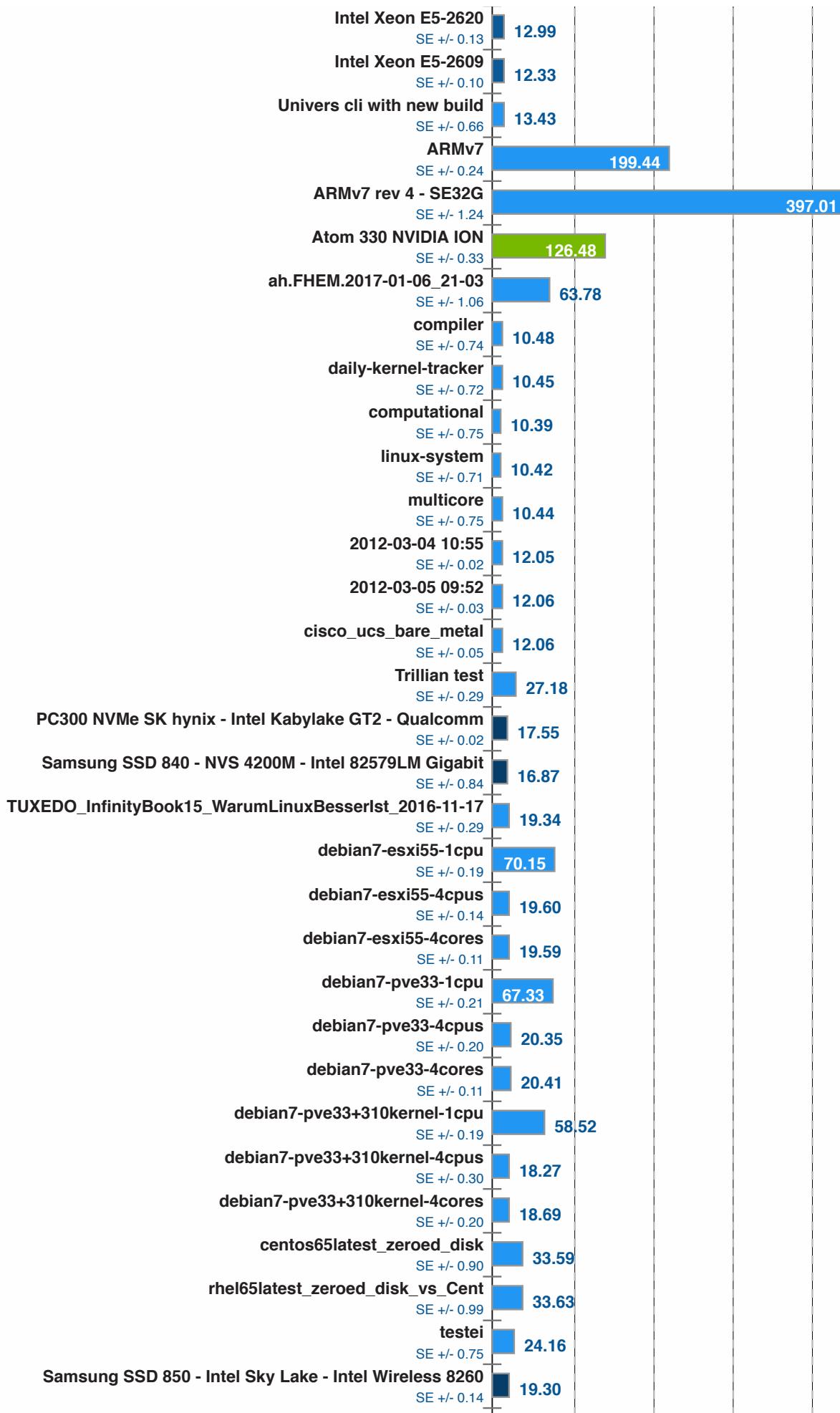
Disk Transaction Performance

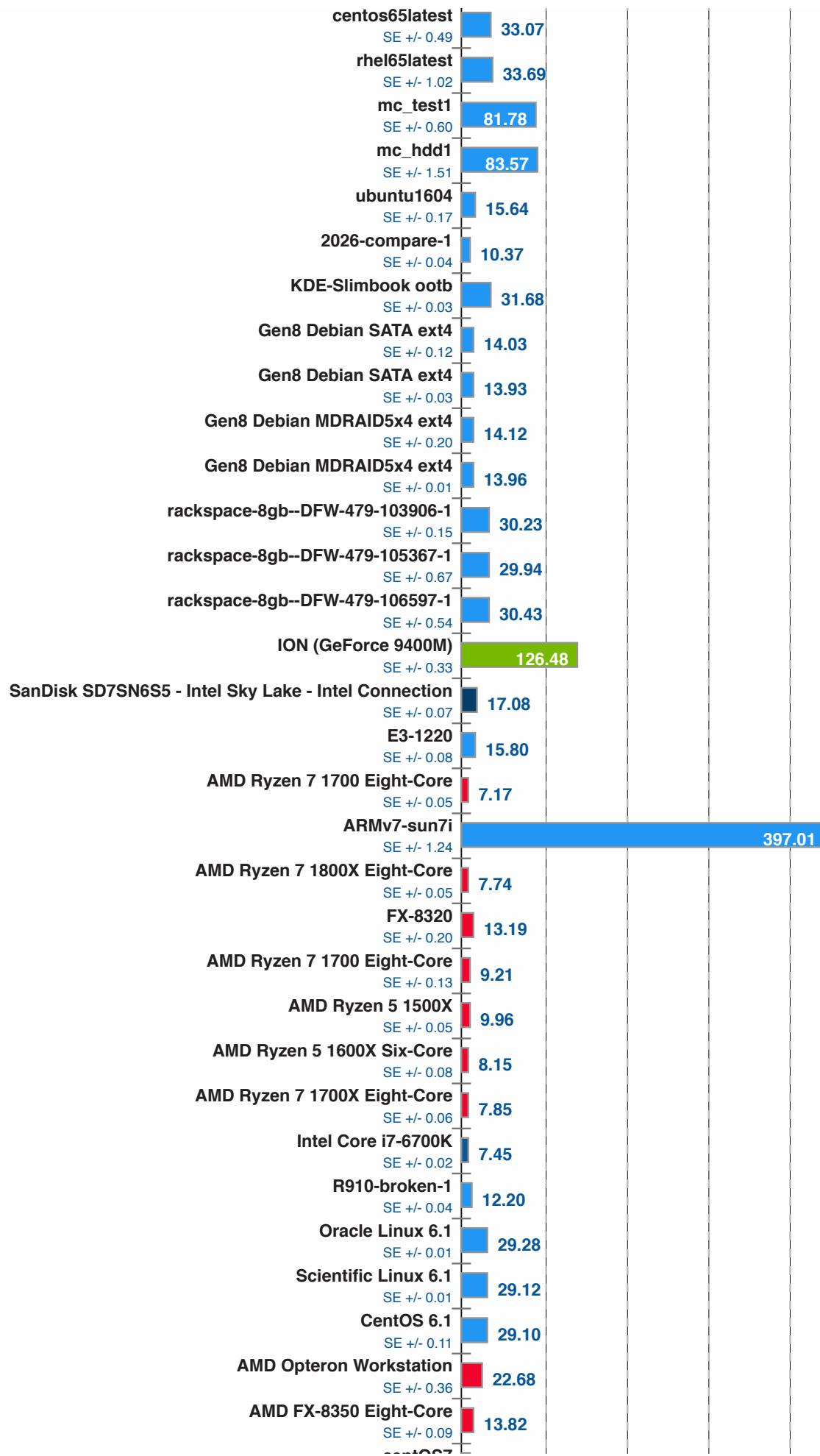
PCB III

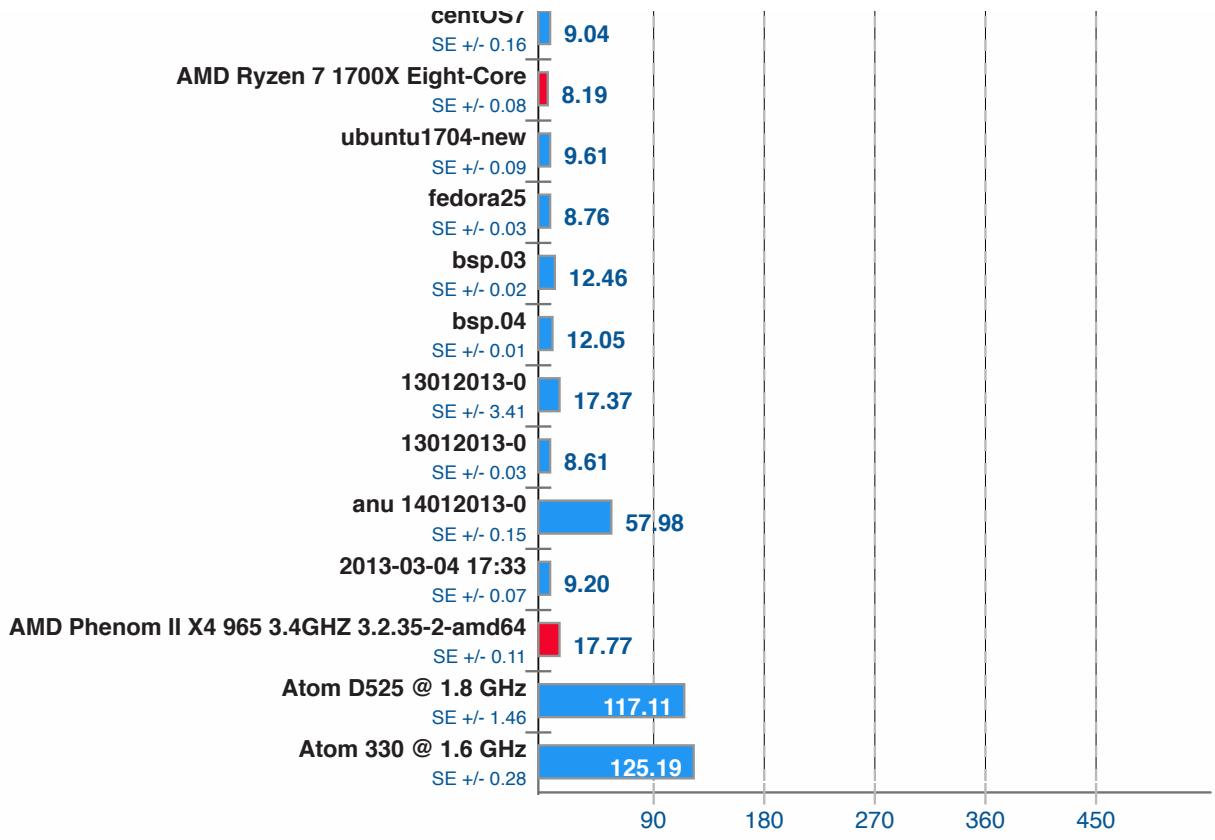
OpenBenchmarking.org











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

Phoronix Test Suite 7.0.0

GraphicsMagick v1.3.19

HWB Color Space

ptsli

OpenBenchmarking.org



1. (CC) gcc options: -fopenmp -O2 -pthread -ljpeg -lxml2 -lz -lm -lgomp -lpthread

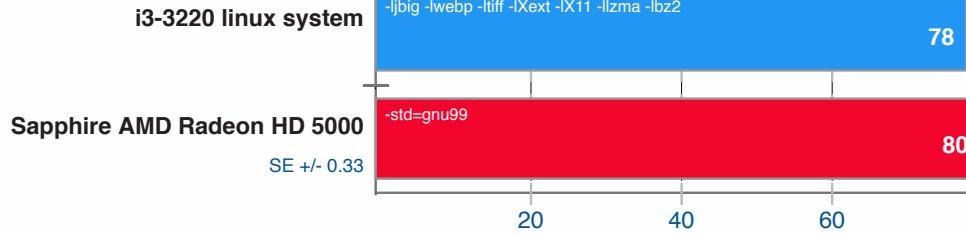
Phoronix Test Suite 7.0.0

GraphicsMagick v1.3.19

Local Adaptive Thresholding



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

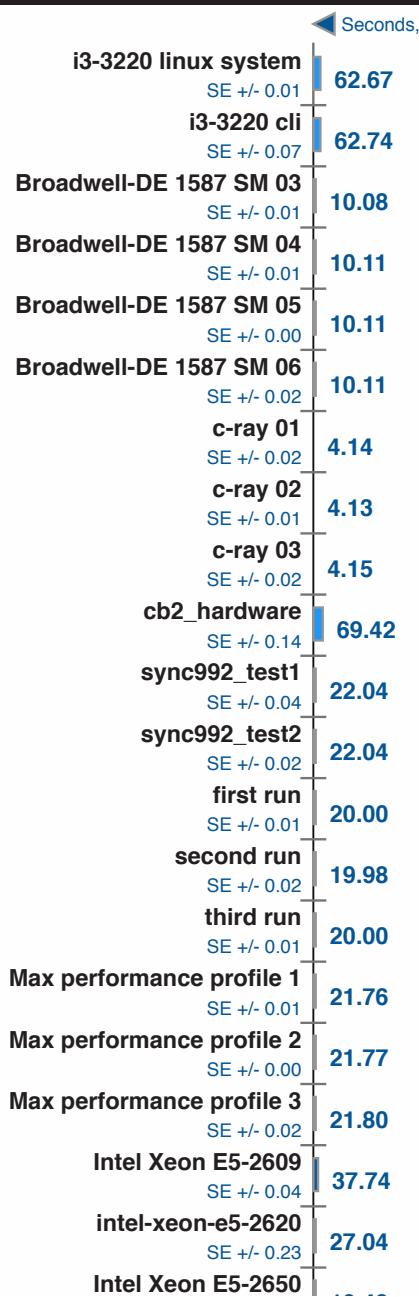
1. (CC) gcc options: -fopenmp -O2 -pthread -ljpeg -lxml2 -lz -lm -lgomp -lpthread

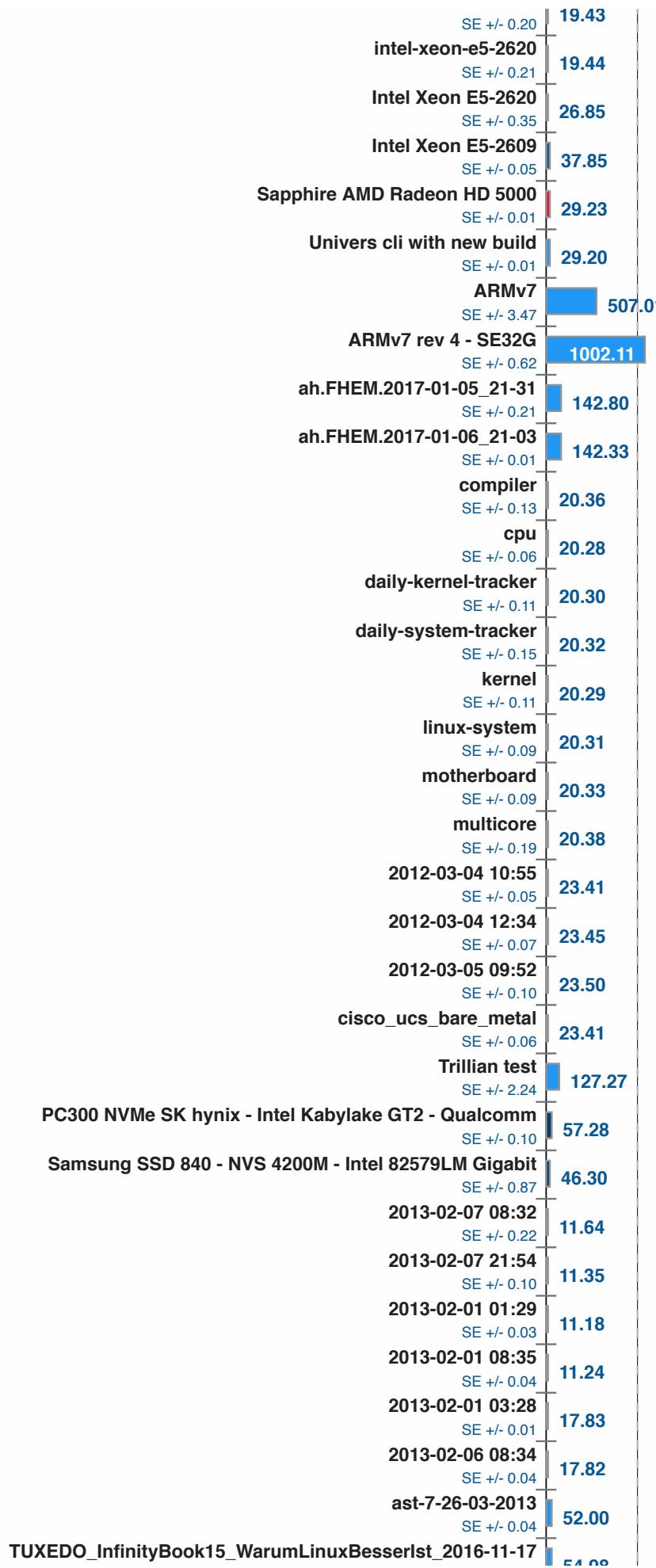
C-Ray v1.1

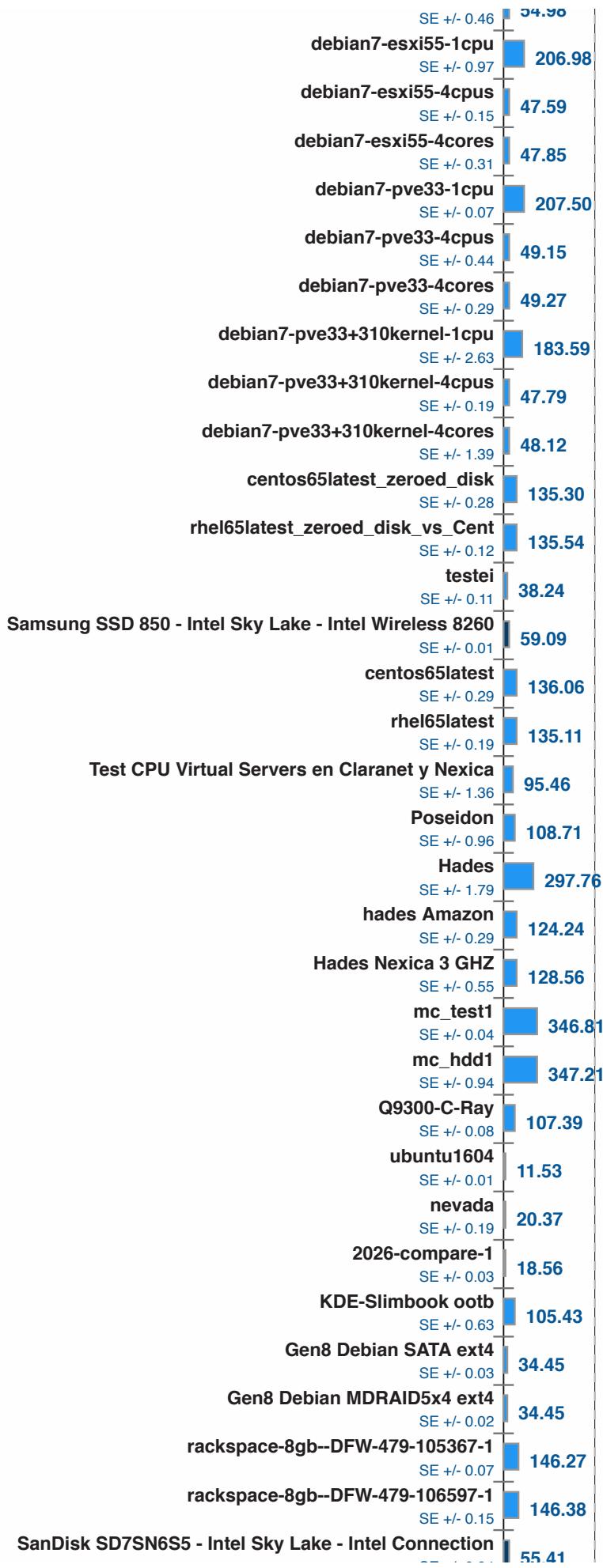
Total Time

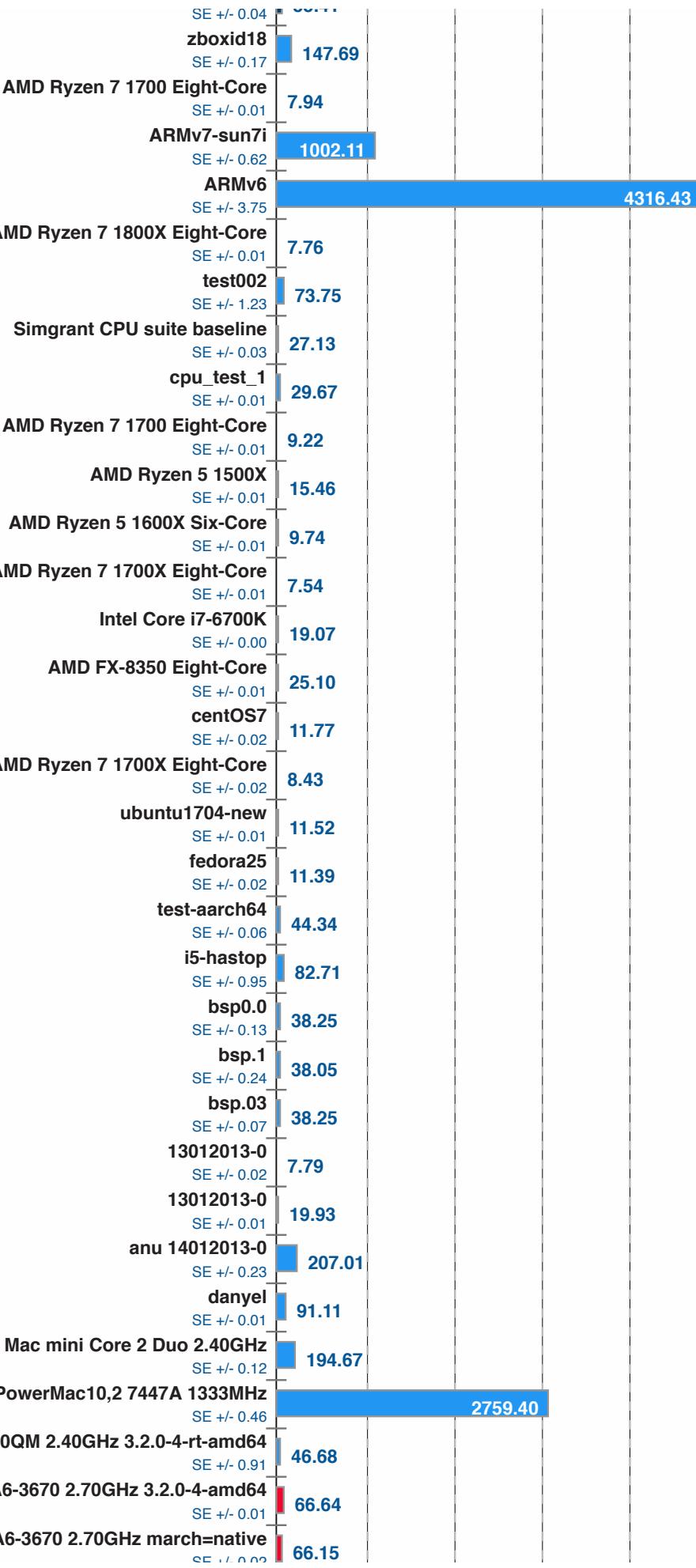


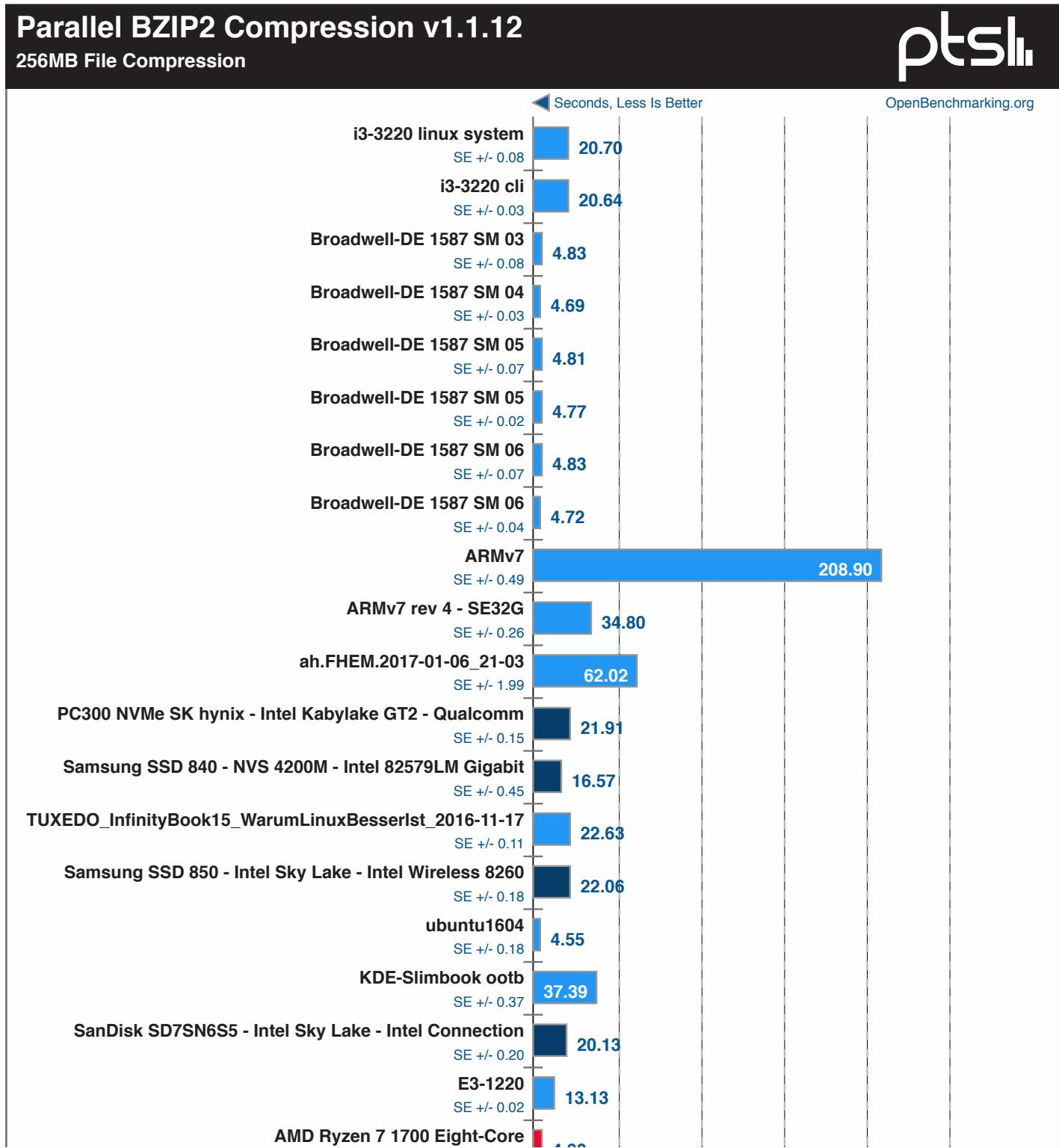
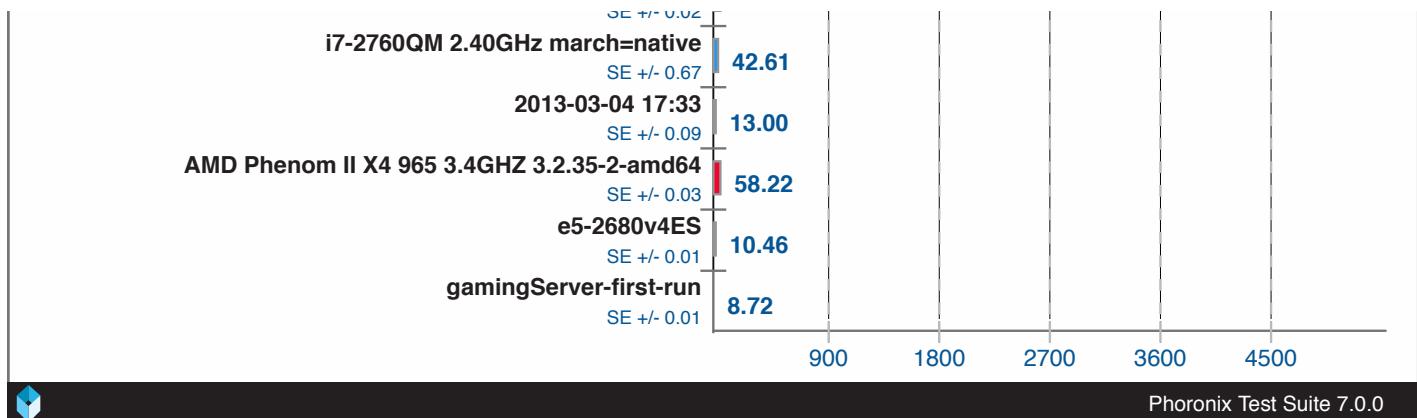
OpenBenchmarking.org

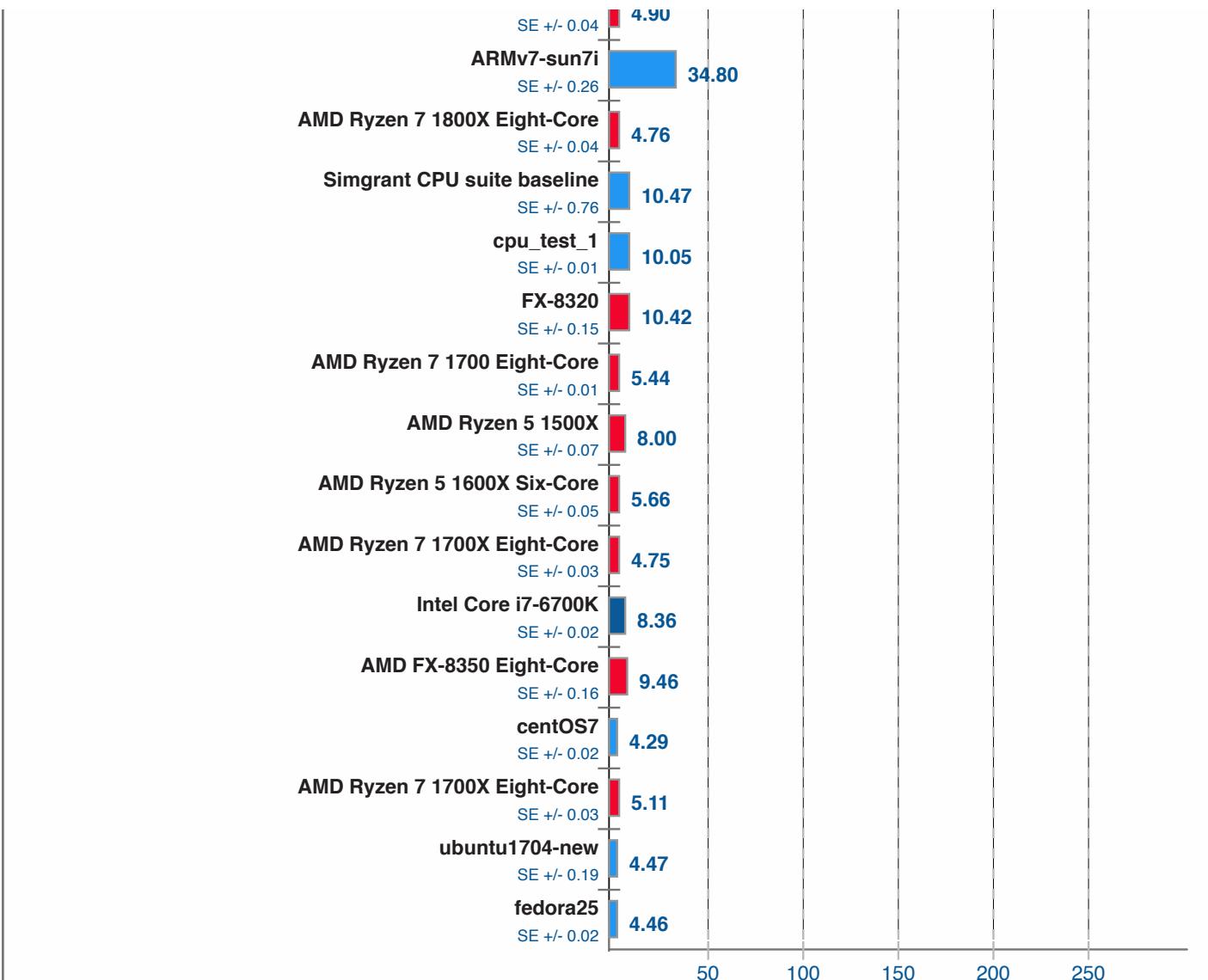










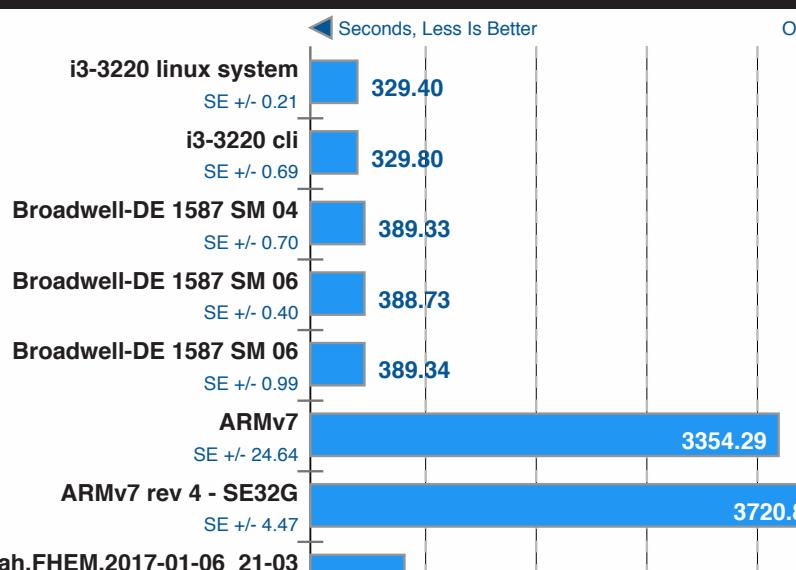


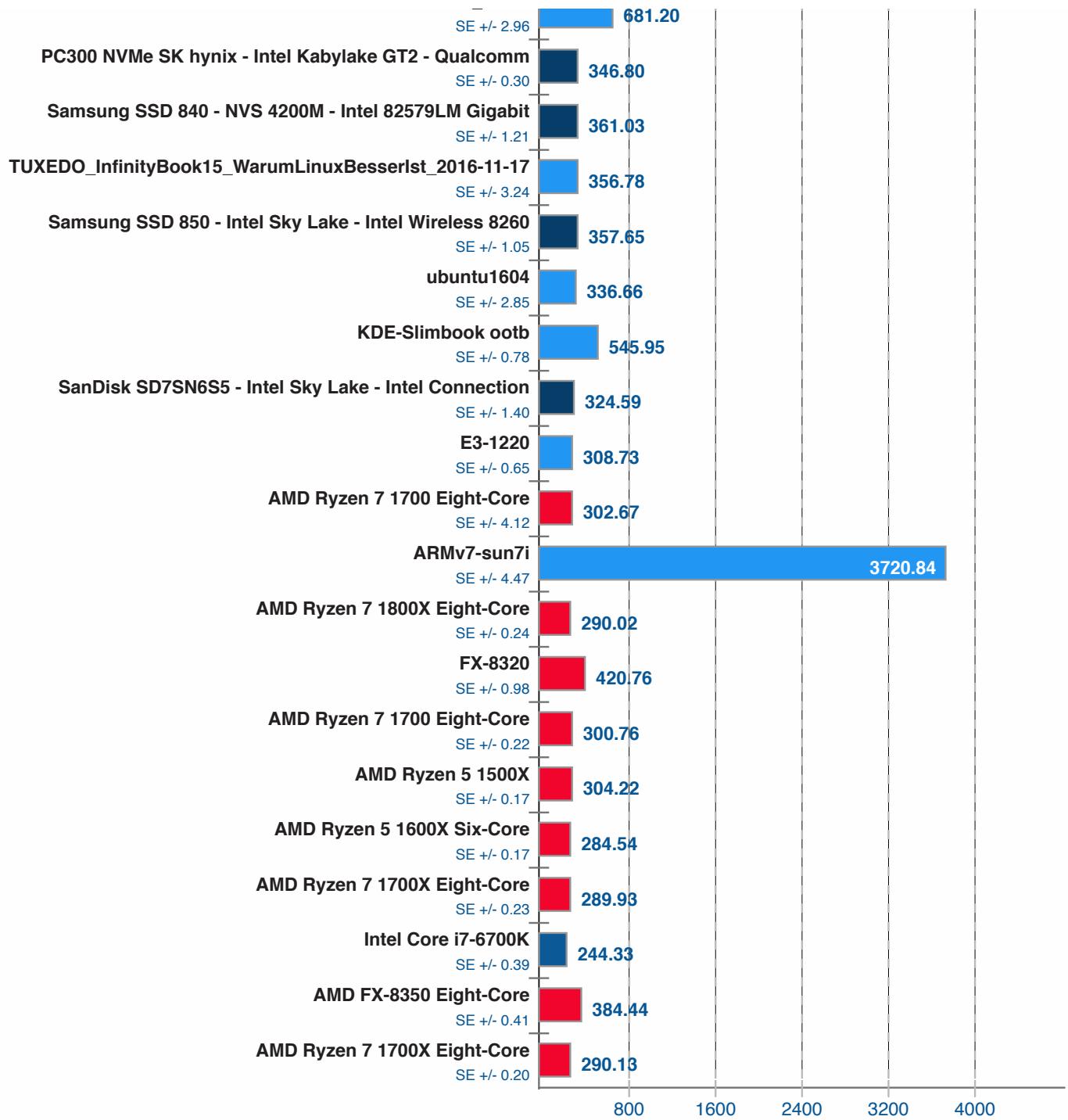
LZMA Compression

256MB File Compression

ptsli

OpenBenchmarking.org



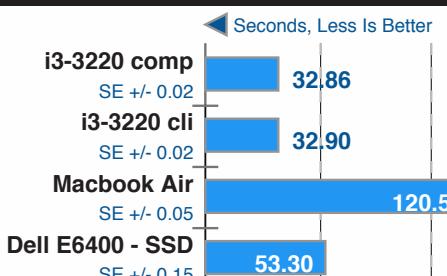


Phoronix Test Suite 7.0.0

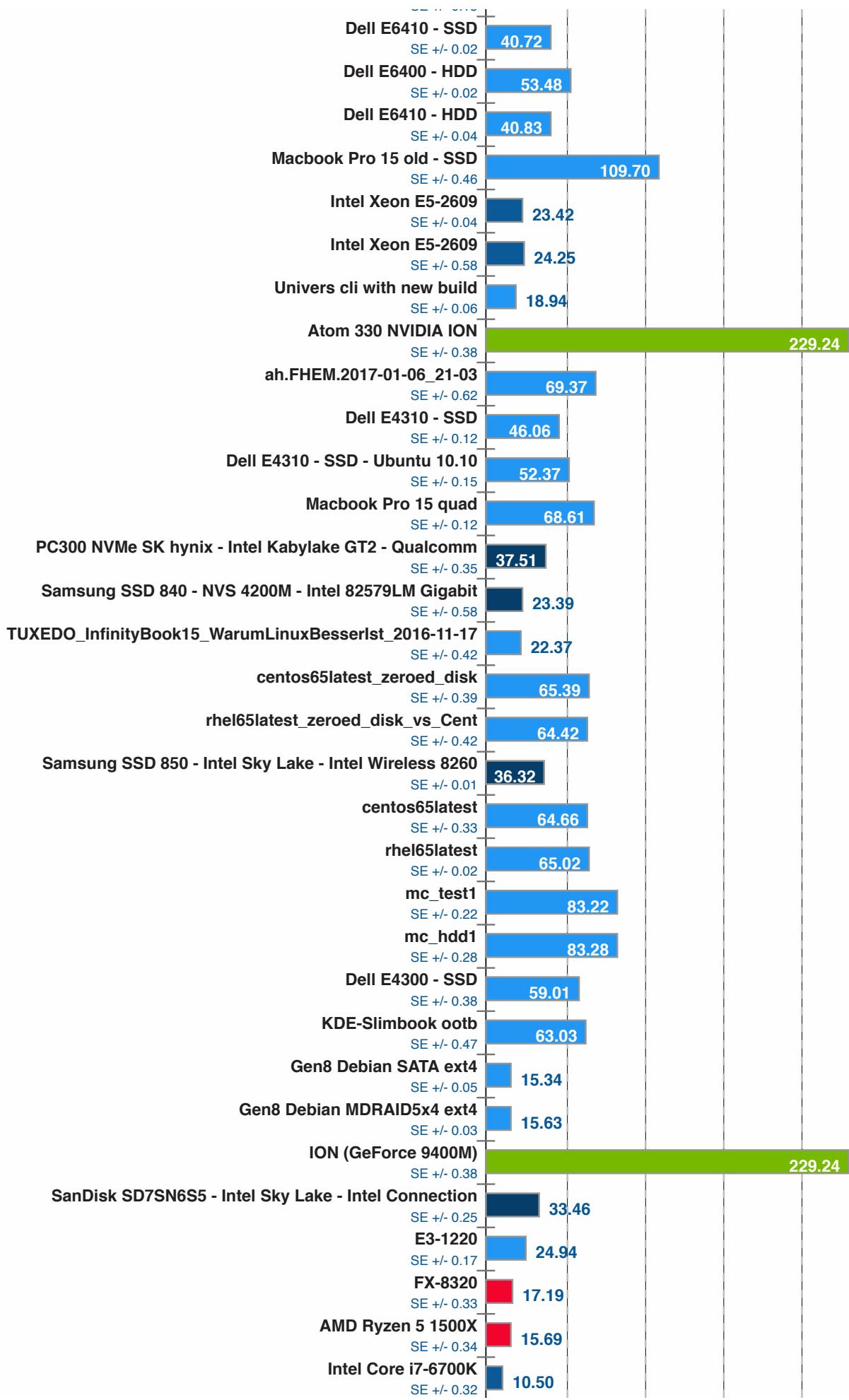
1. (CXX) g++ options: -O2

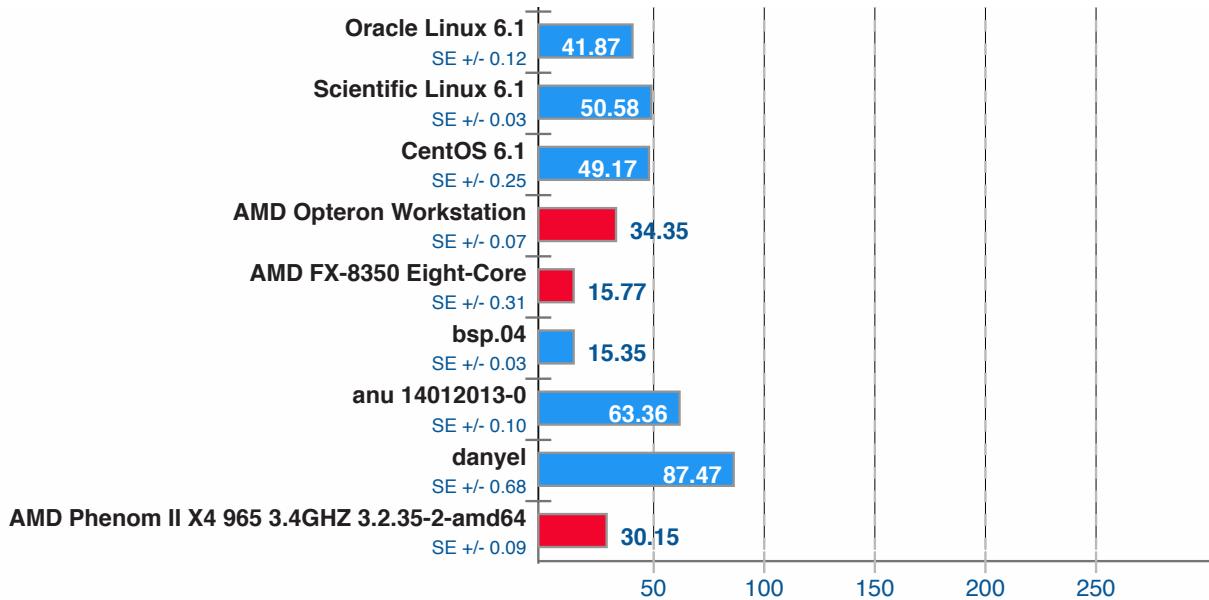
Timed MrBayes Analysis v3.1.2

Primate Phylogeny Analysis



OpenBenchmarking.org





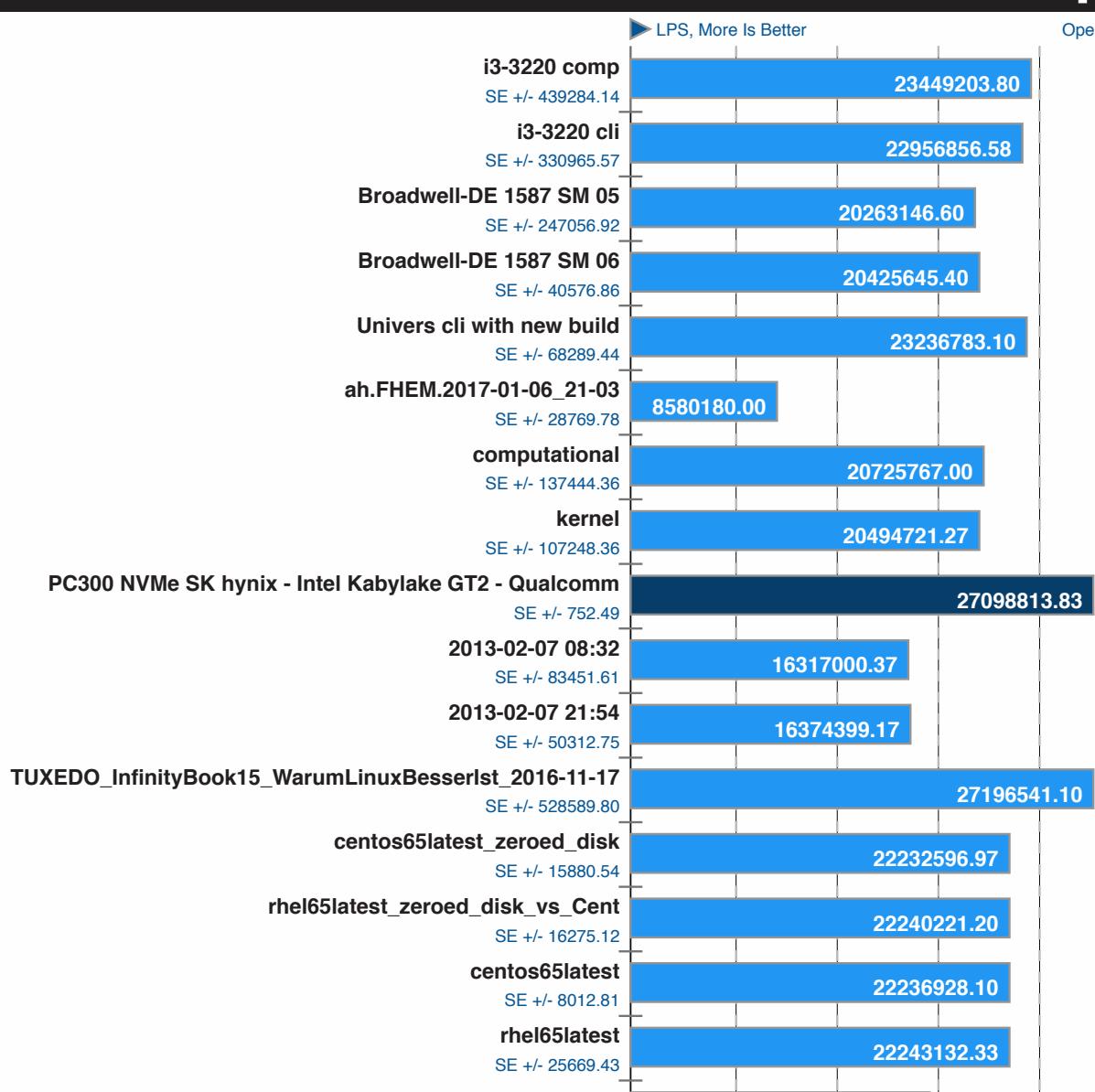
Phoronix Test Suite 7.0.0

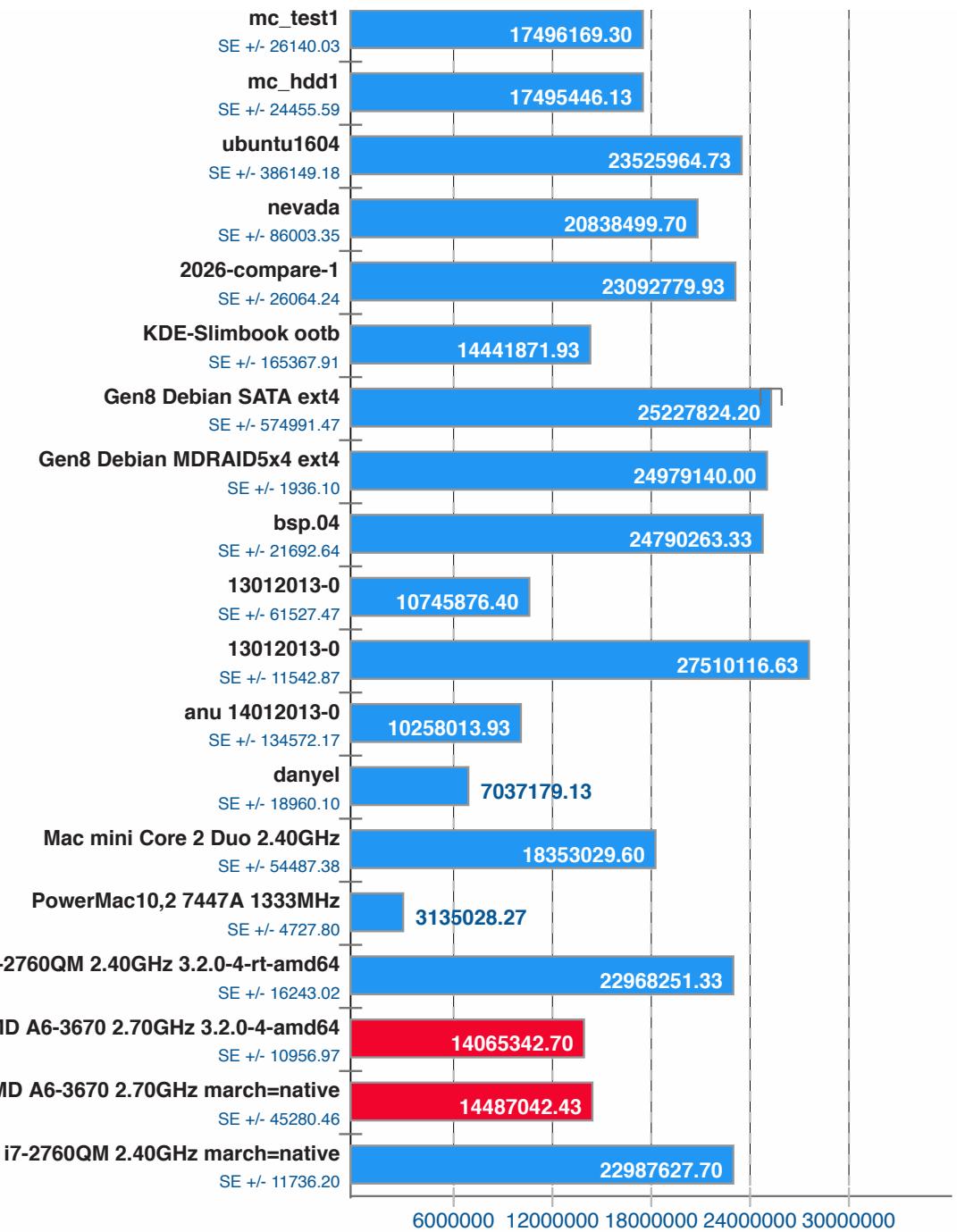
BYTE Unix Benchmark v3.6

Dhrystone 2



OpenBenchmarking.org



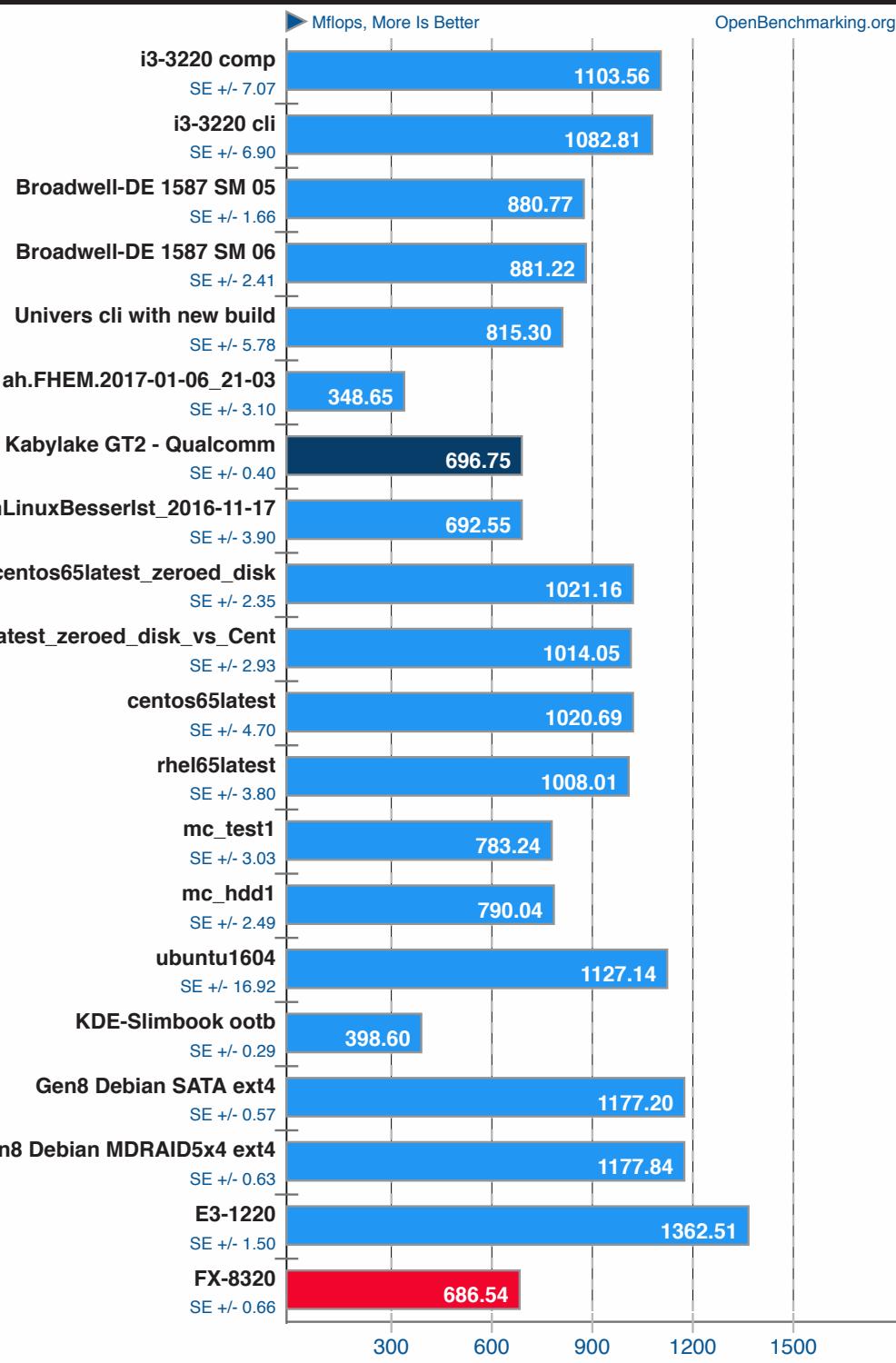


SciMark v2.0

Composite



OpenBenchmarking.org



Phoronix Test Suite 7.0.0



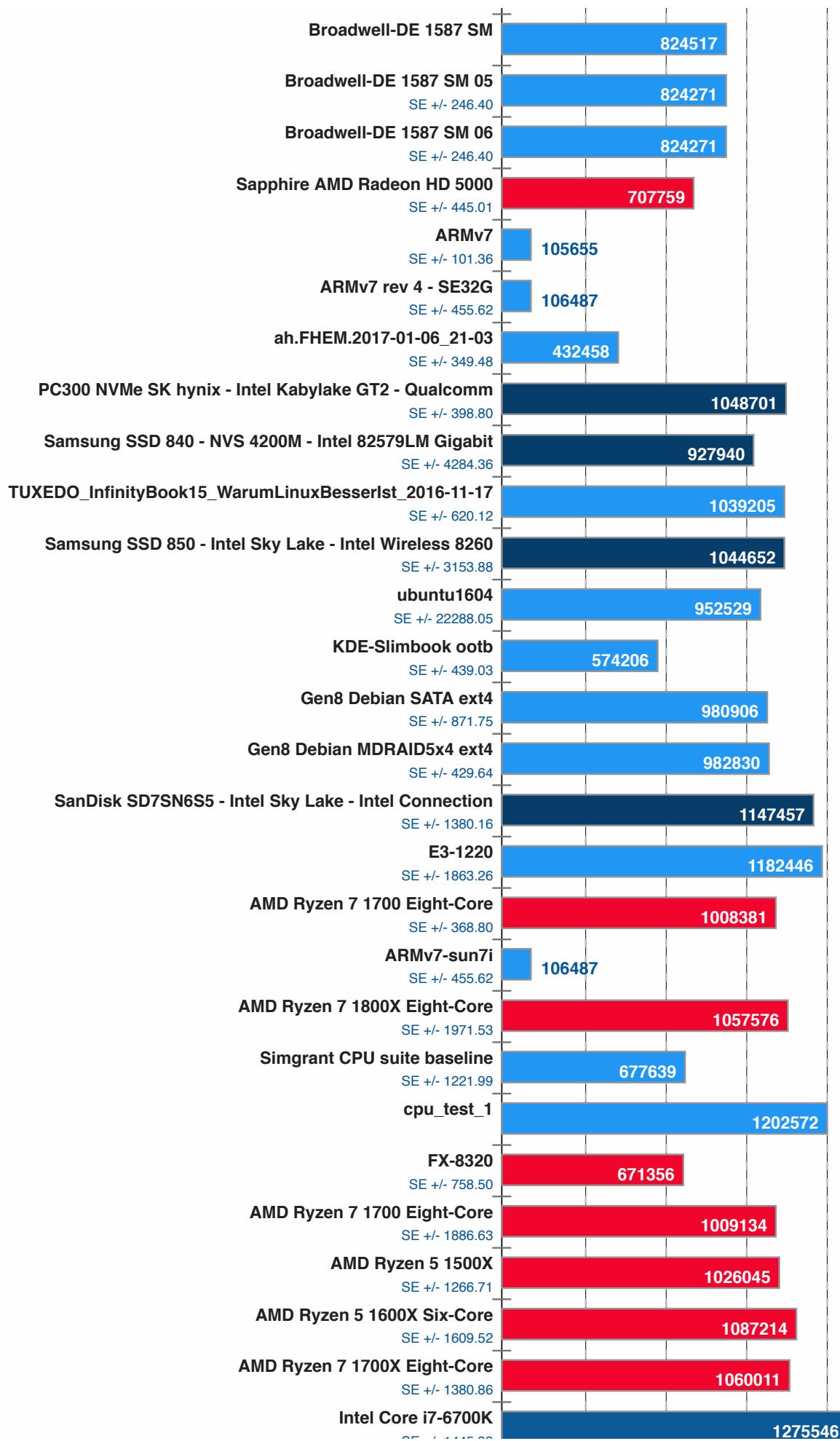
TSCP v1.81

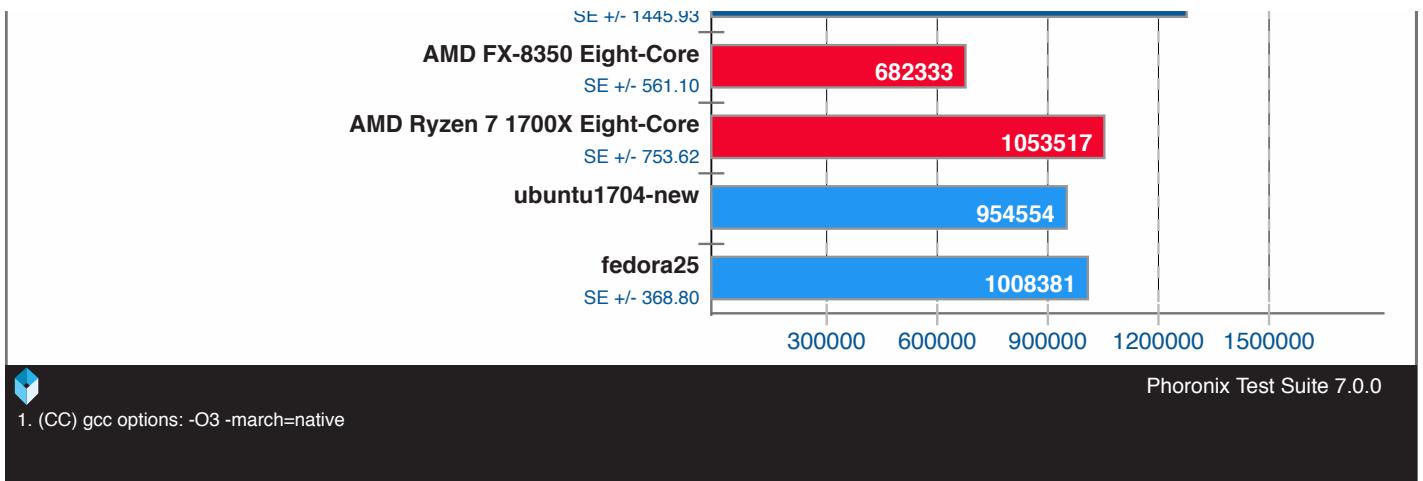
AI Chess Performance



OpenBenchmarking.org

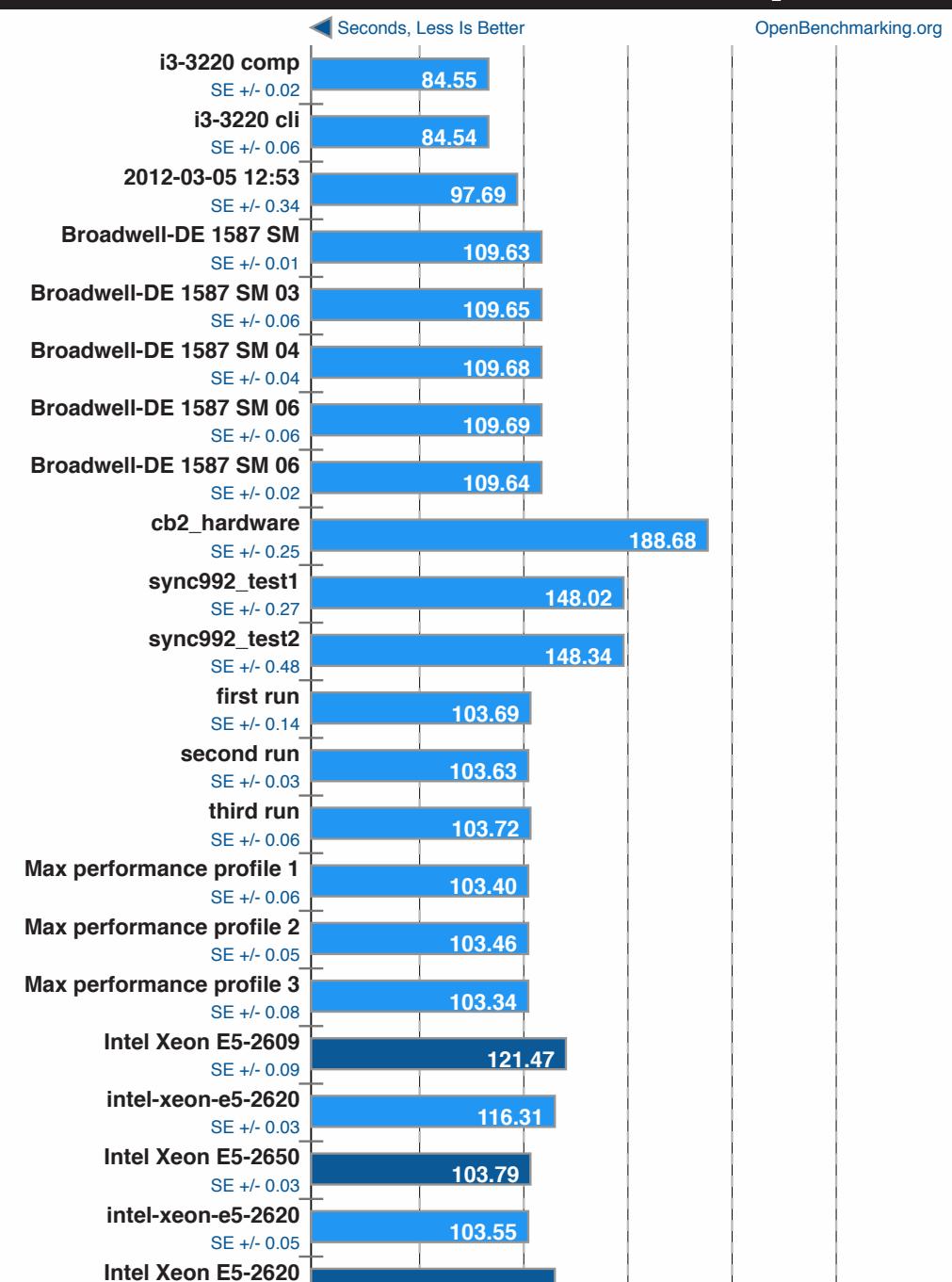


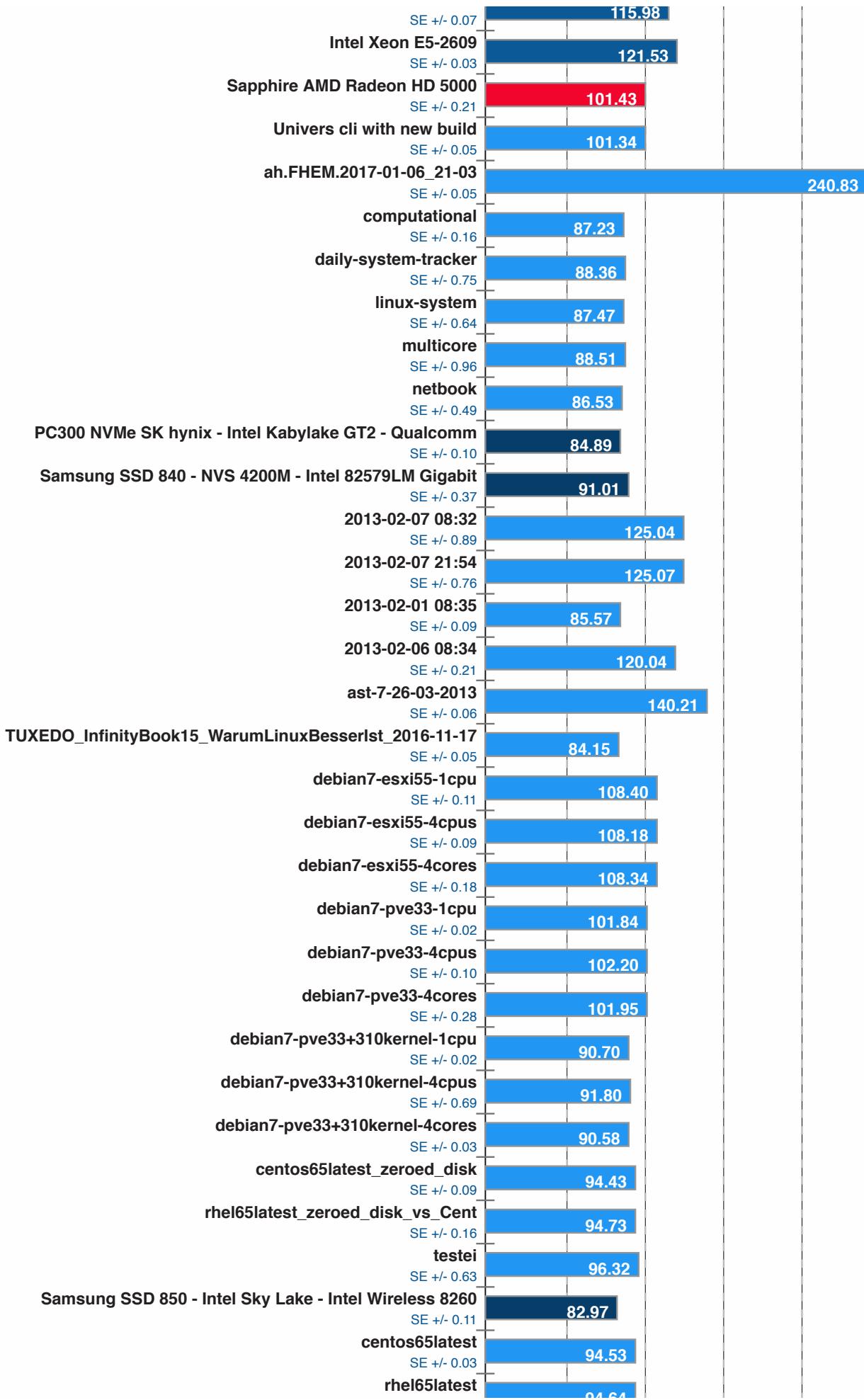


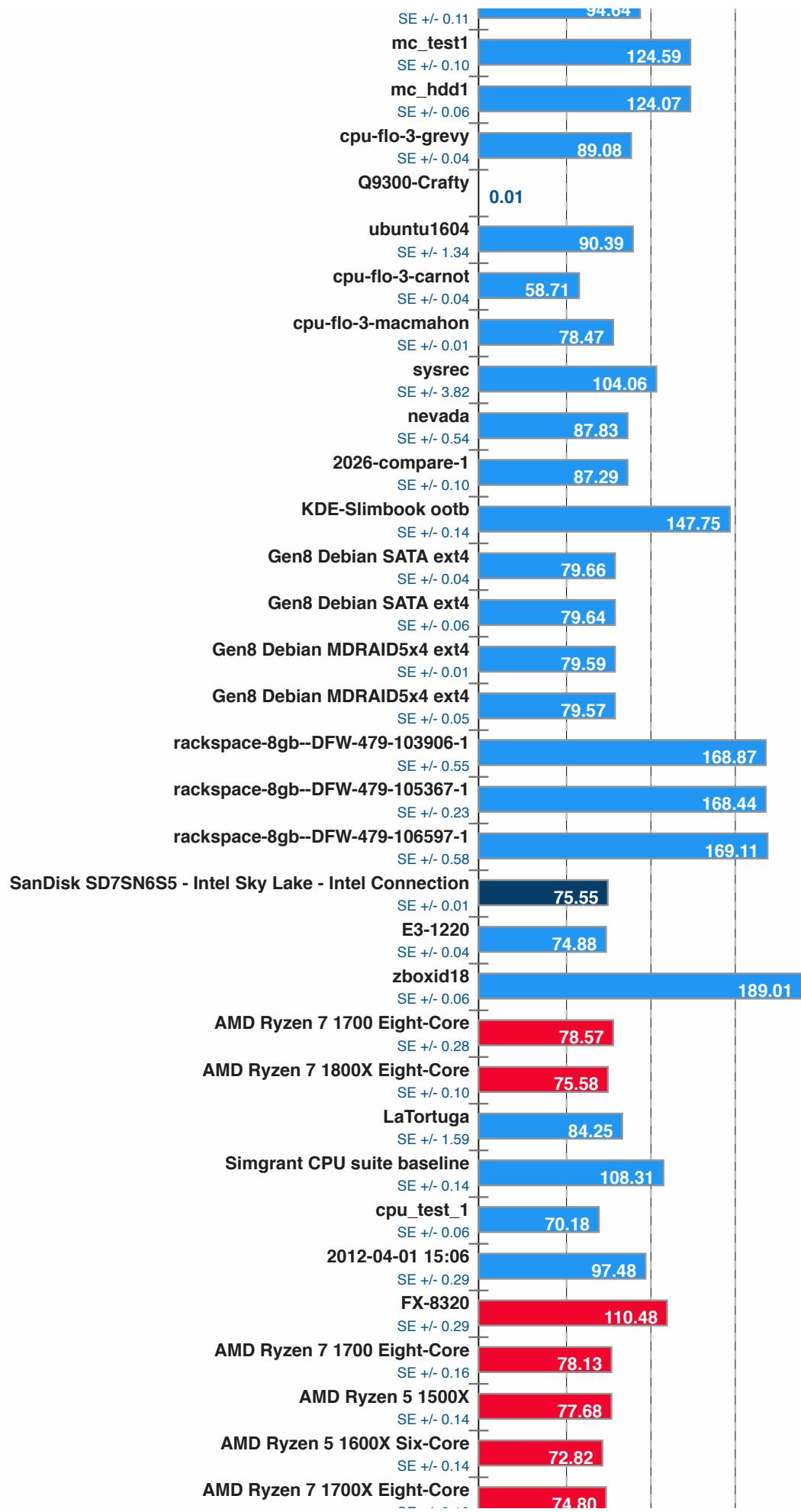


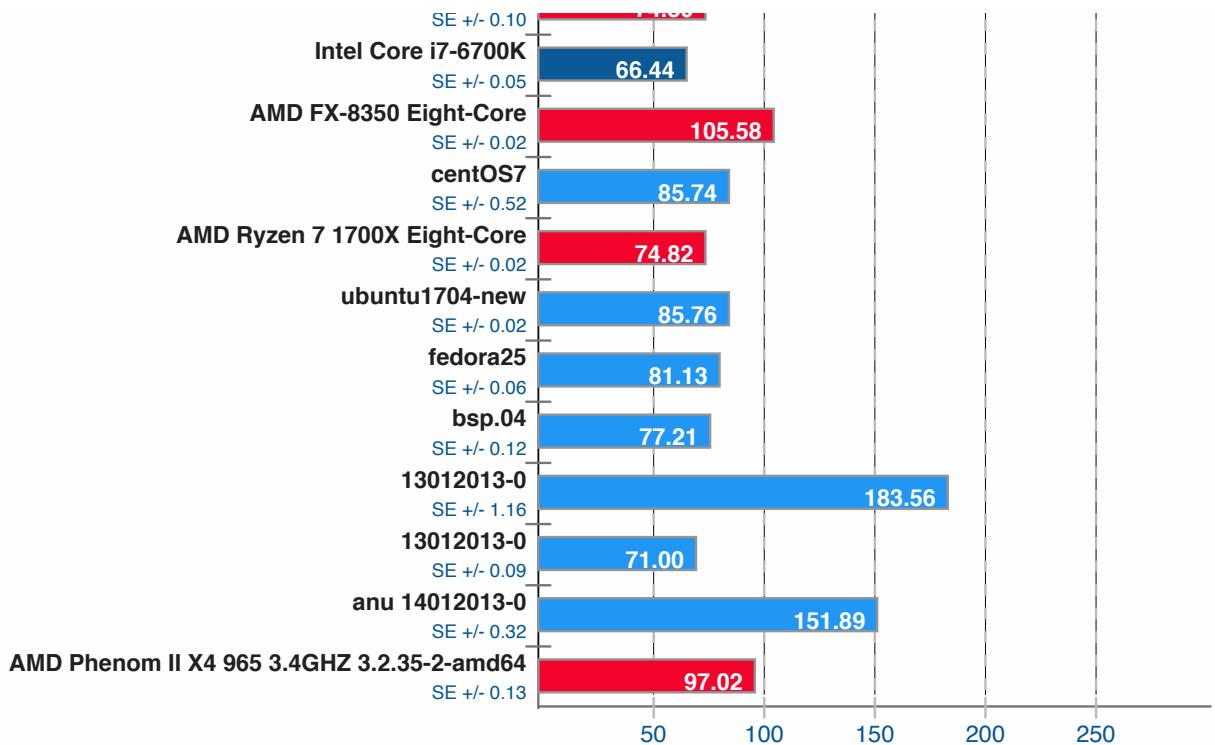
Crafty v23.4

Elapsed Time









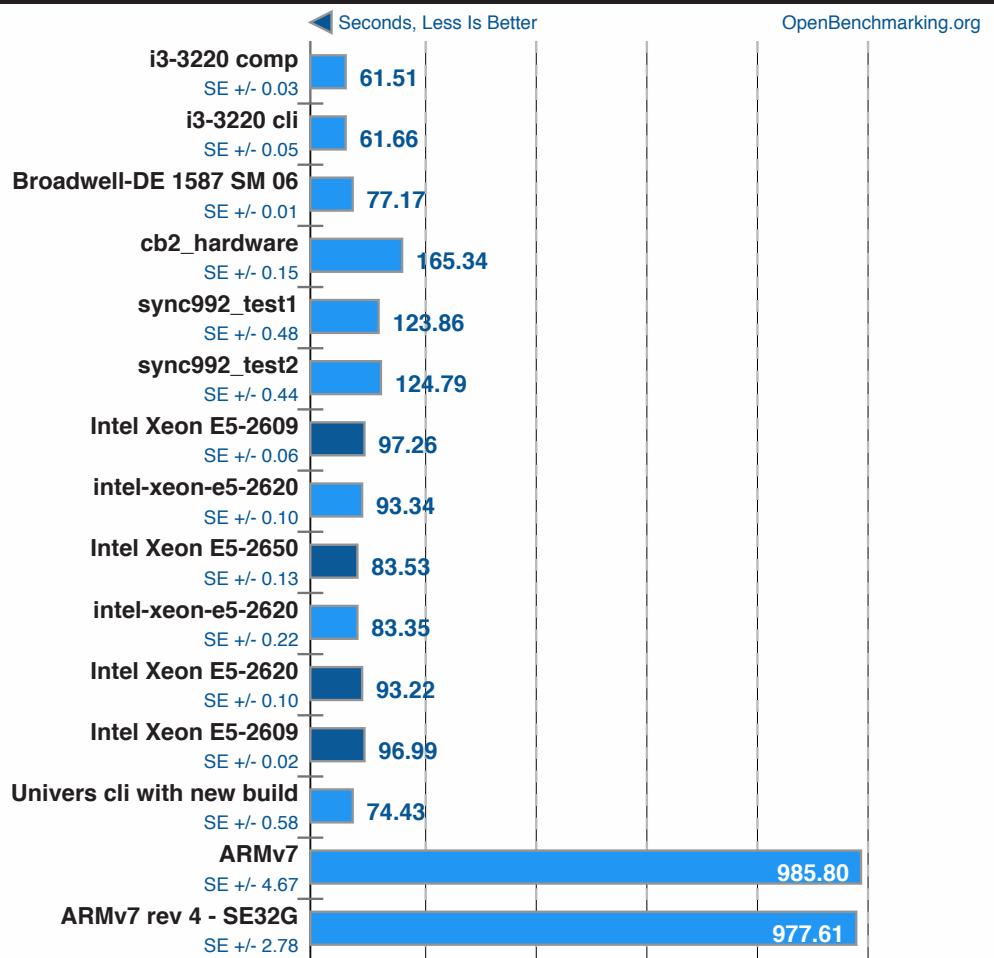
1. (CC) gcc options: -stdc++ -lm

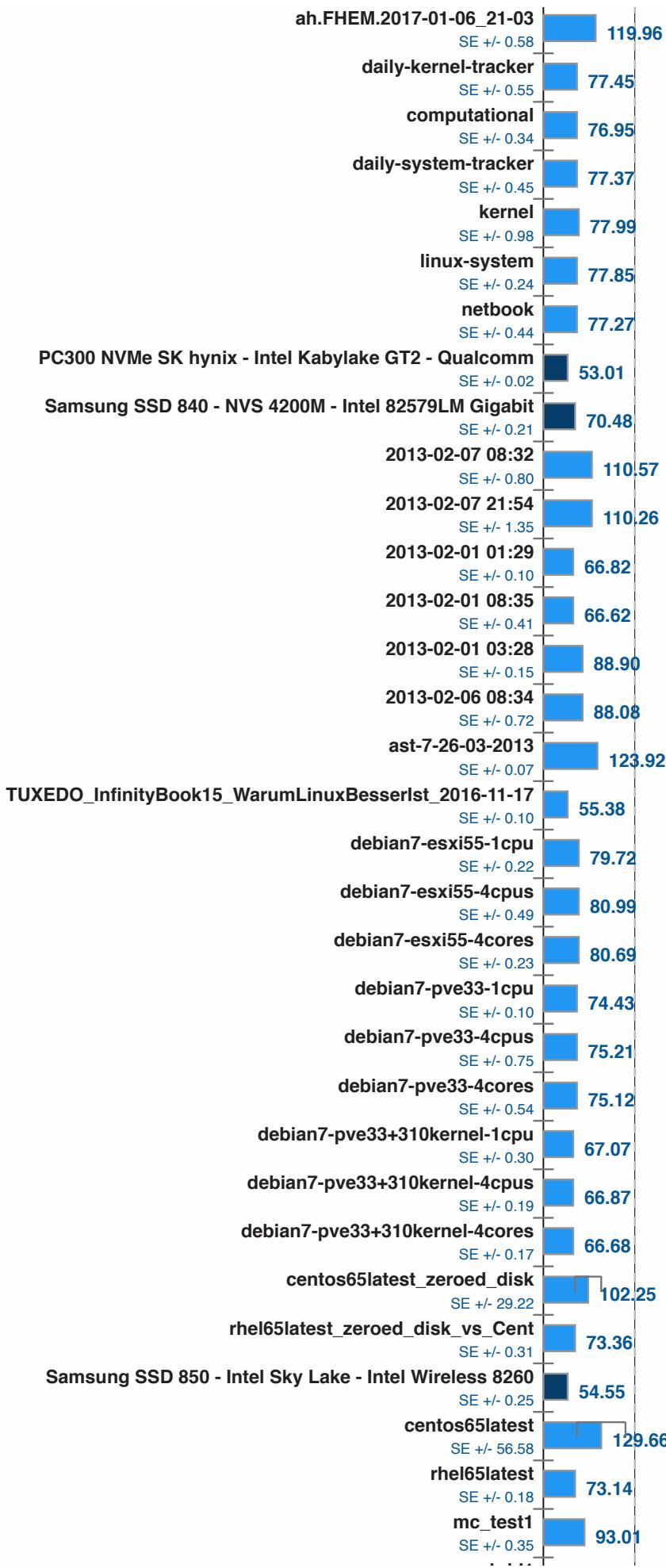
Phoronix Test Suite 7.0

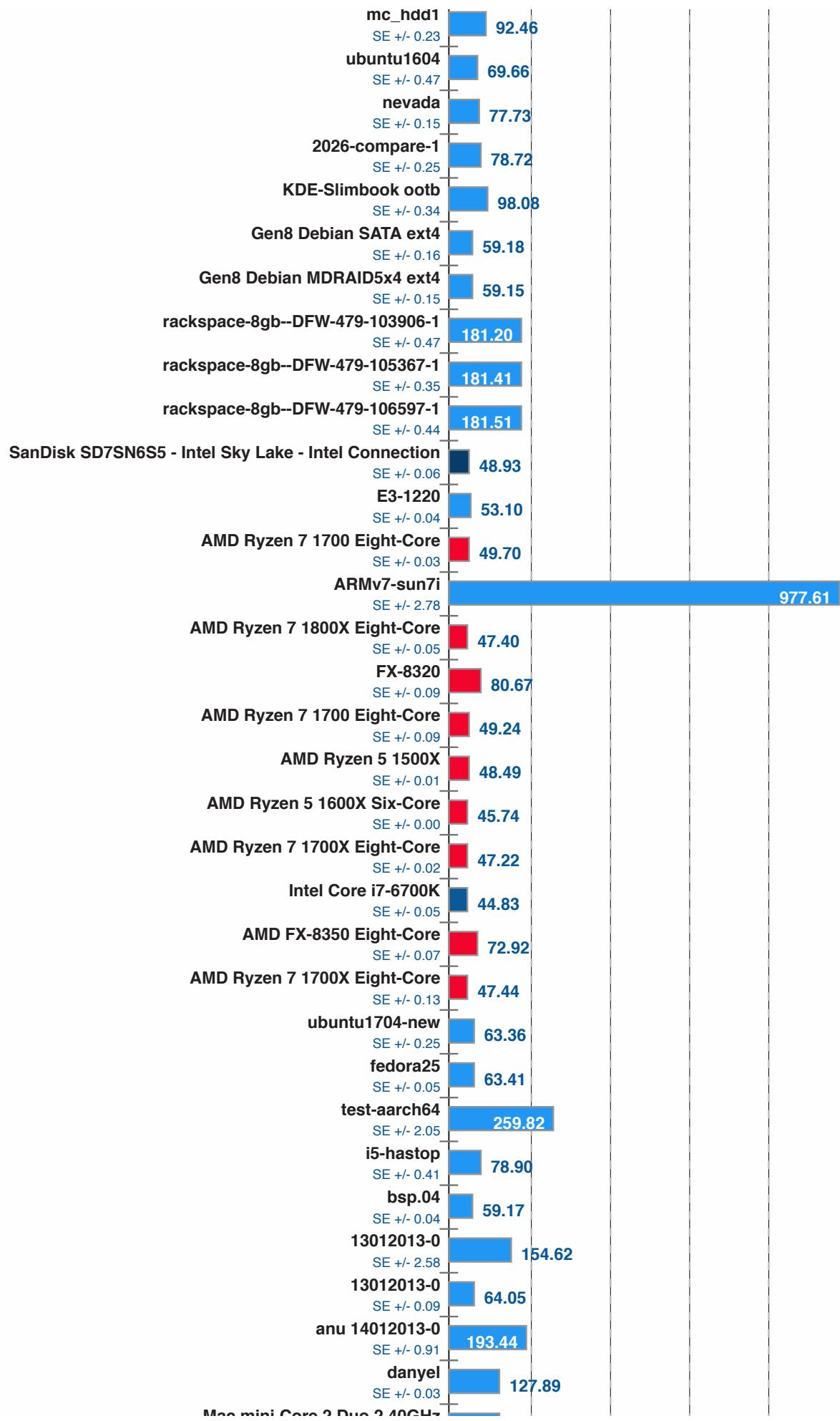
drawing

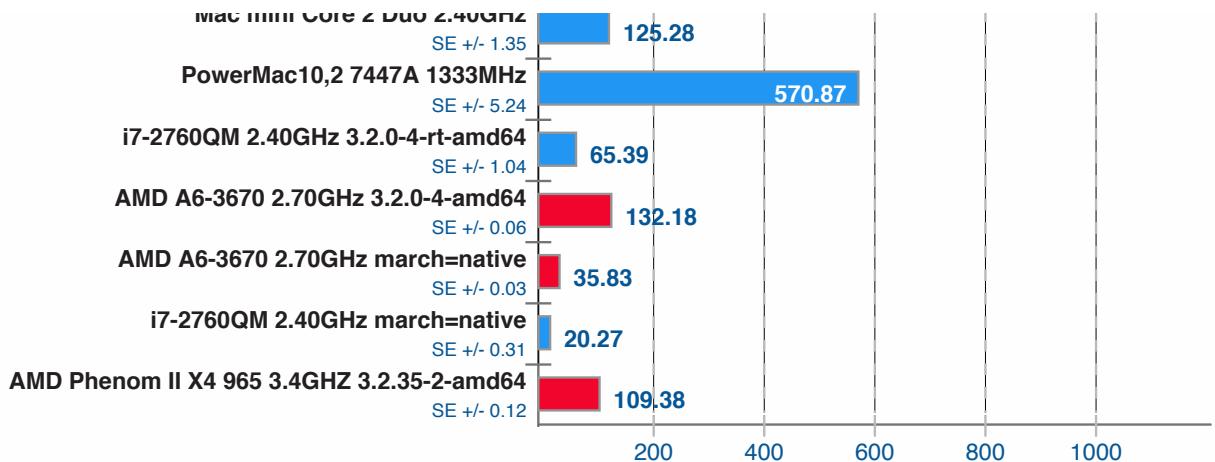
RAW To PPM Image Conversion

ptsli









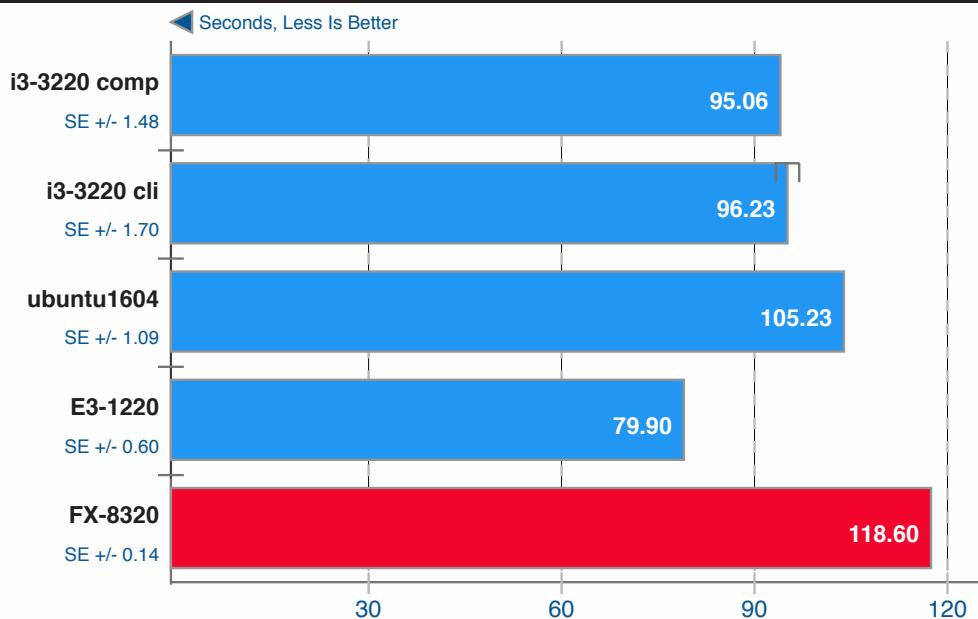
Phoronix Test Suite 7.0.0

Minion v1.8

Solitaire



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

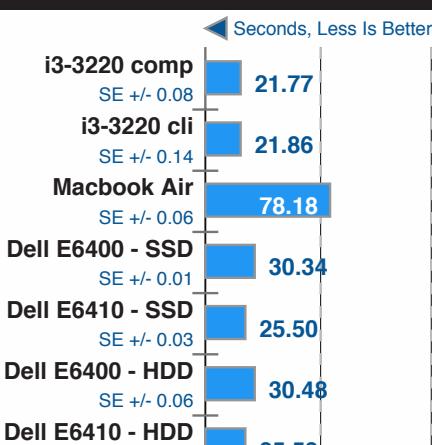
1. (CXX) g++ options: -std=gnu++11 -O3 -fomit-frame-pointer -rdynamic

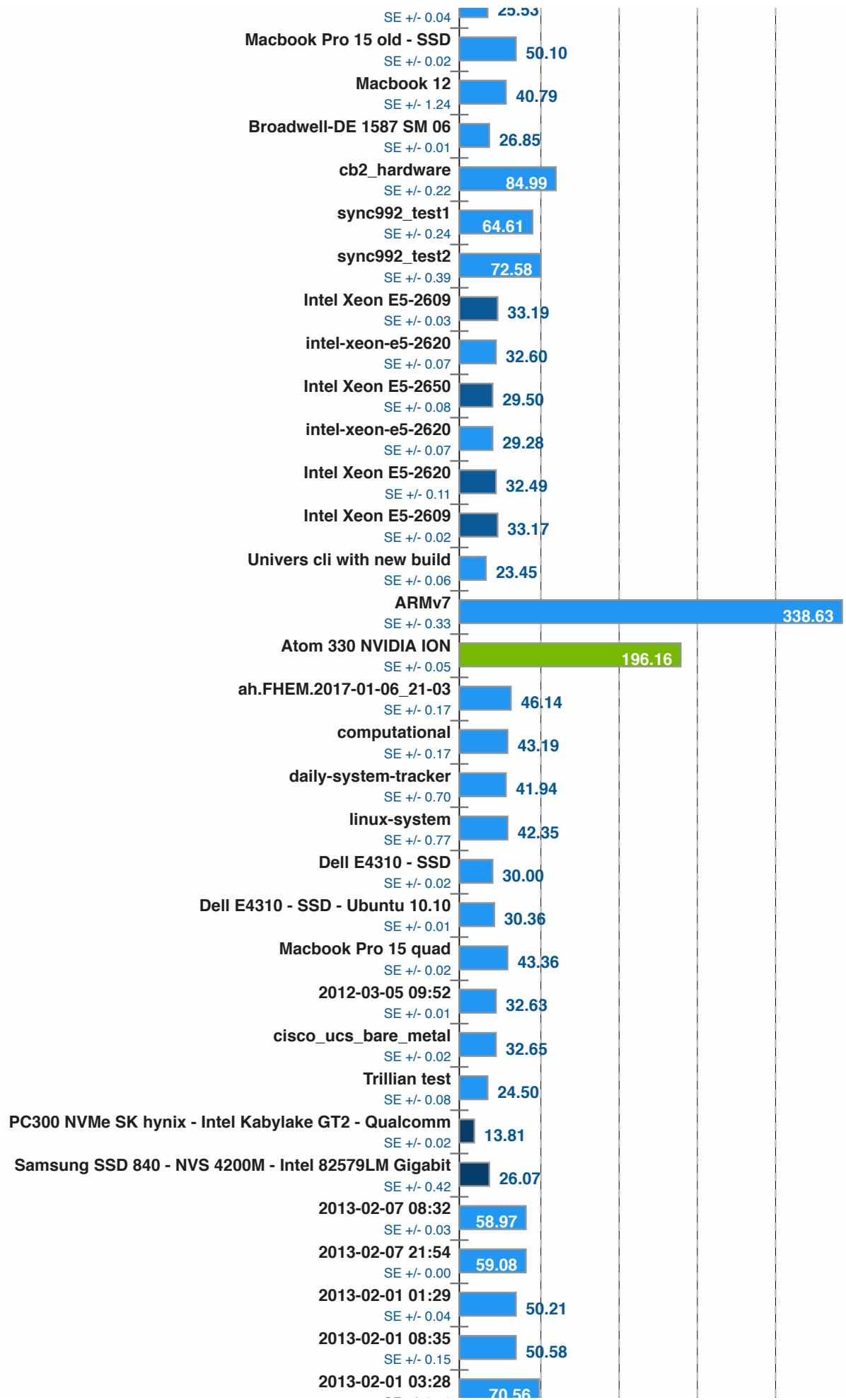
Sudokut v0.4

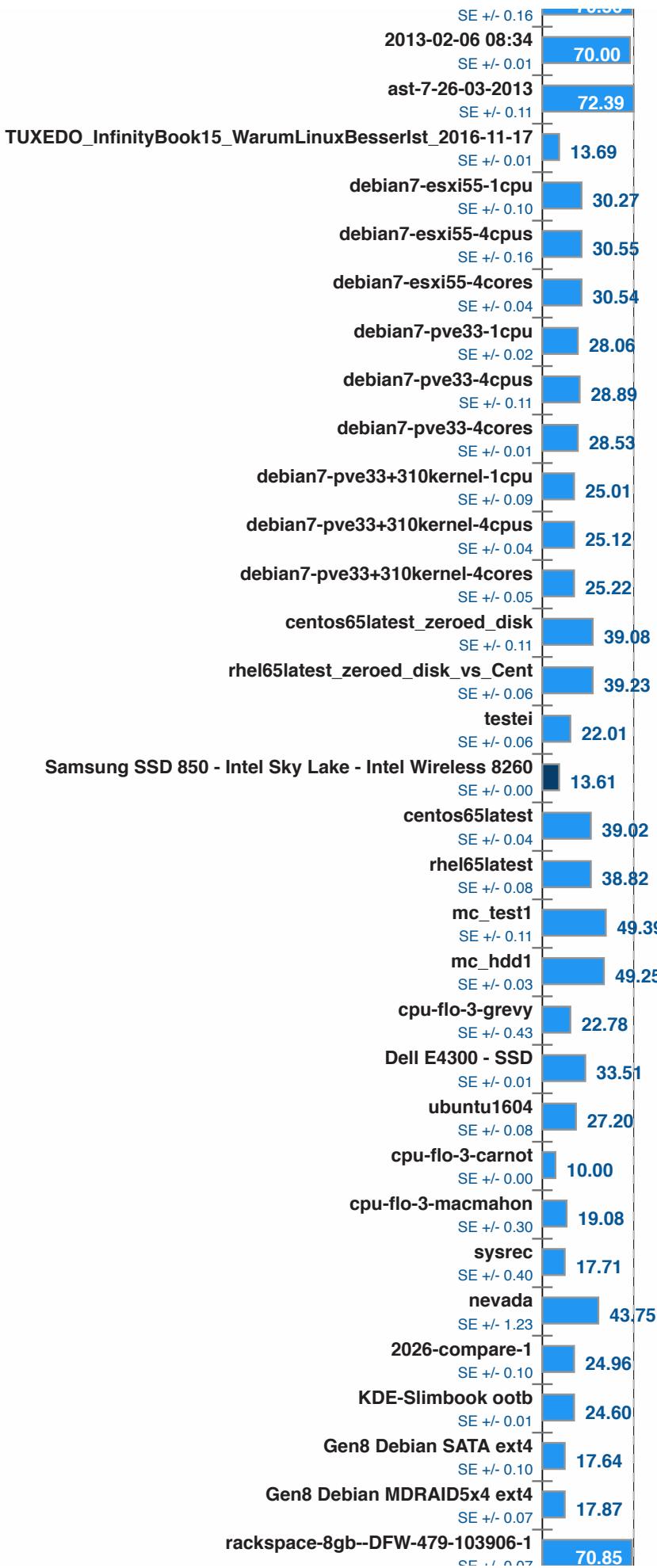
Total Time

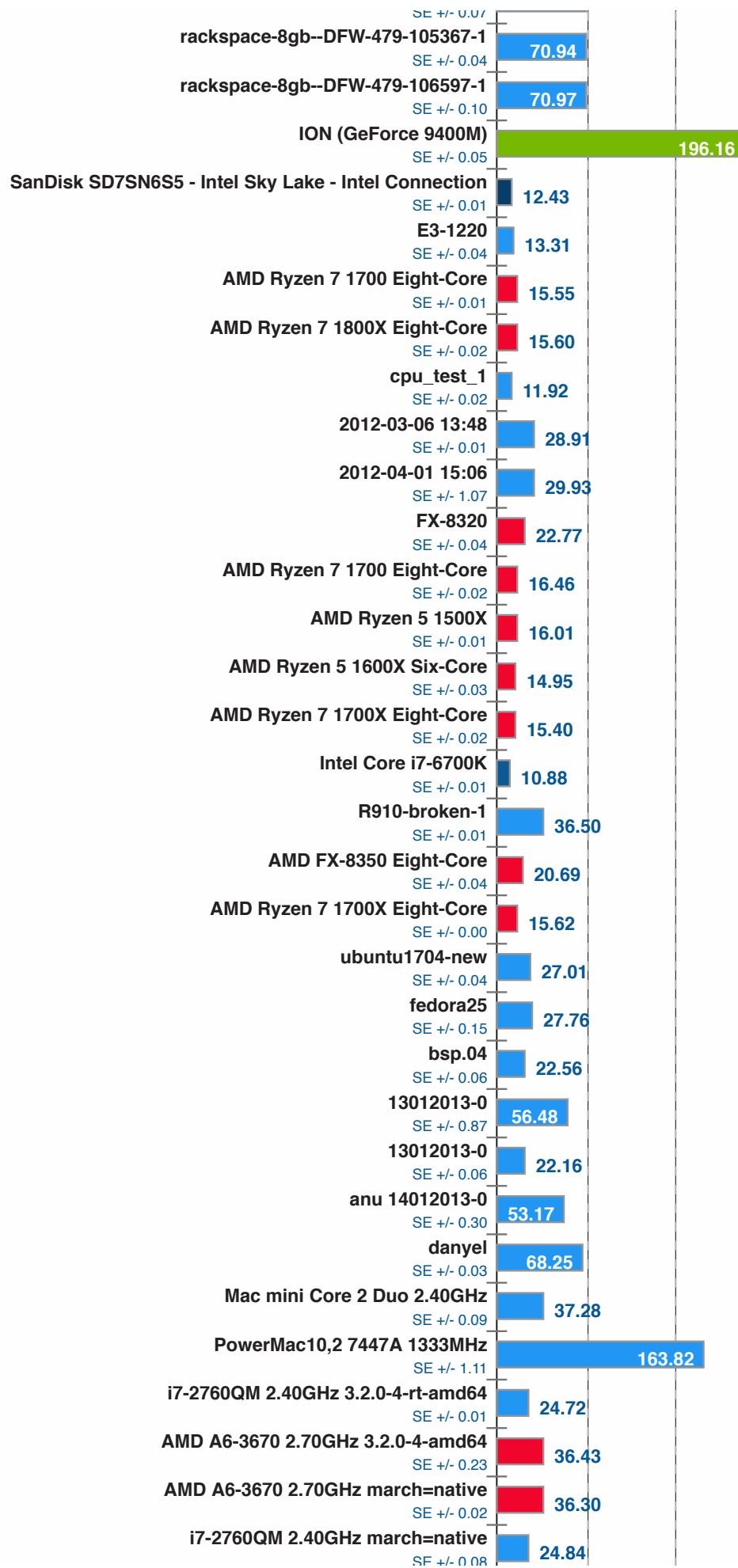


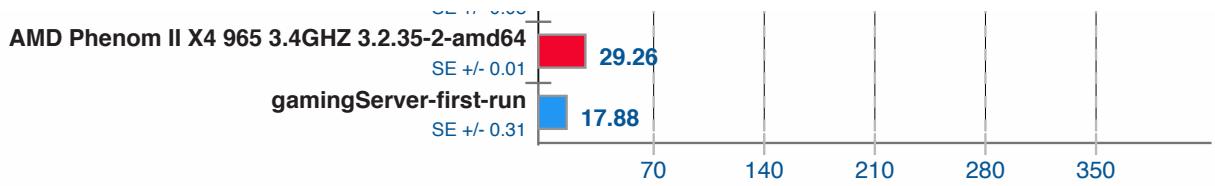
OpenBenchmarking.org









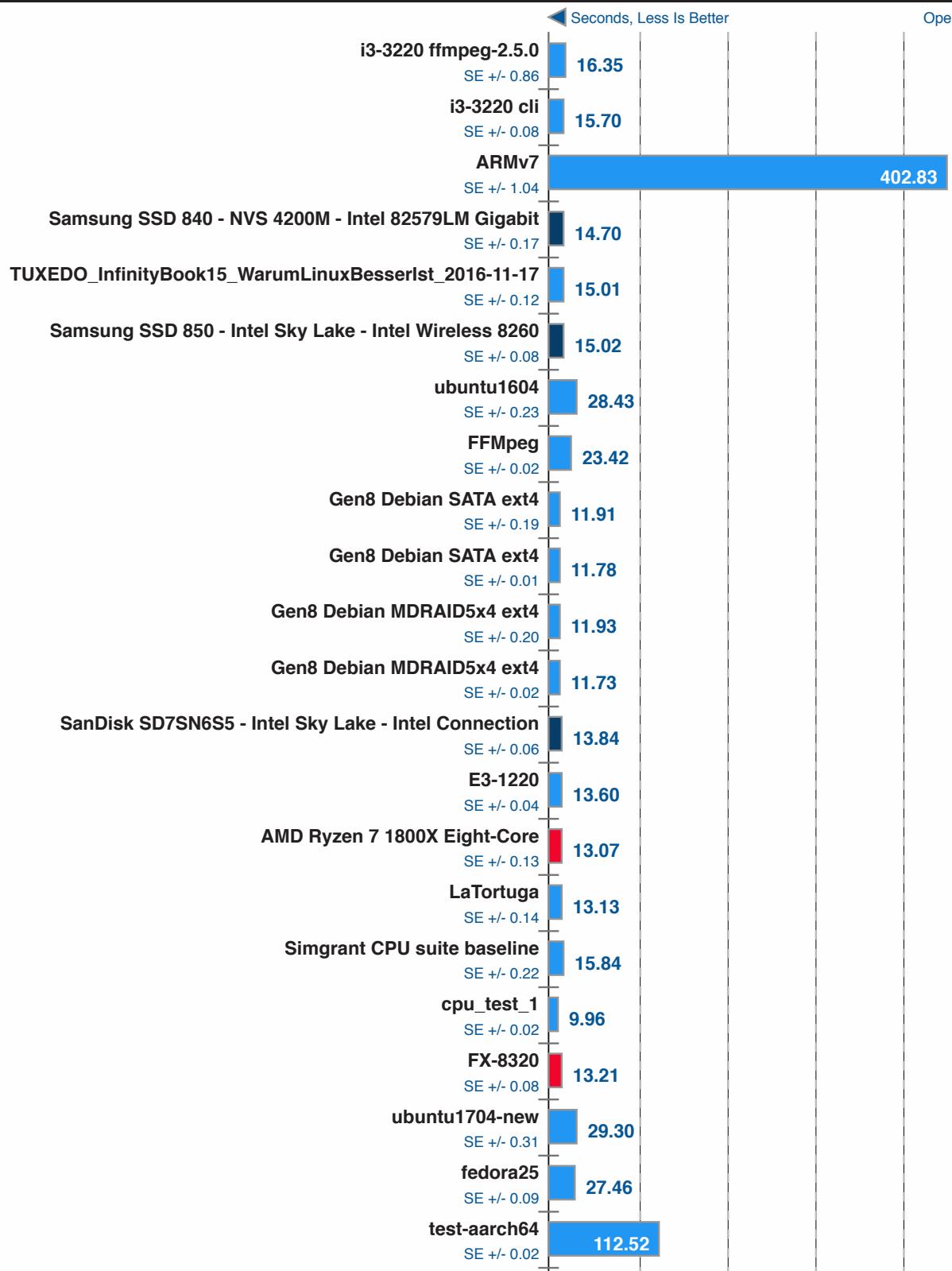


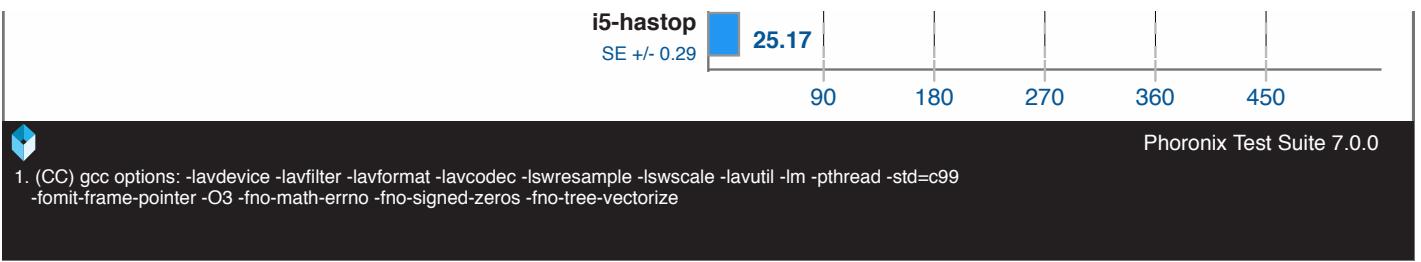
FFmpeg v2.8.1

H.264 HD To NTSC DV



OpenBenchmarking.org



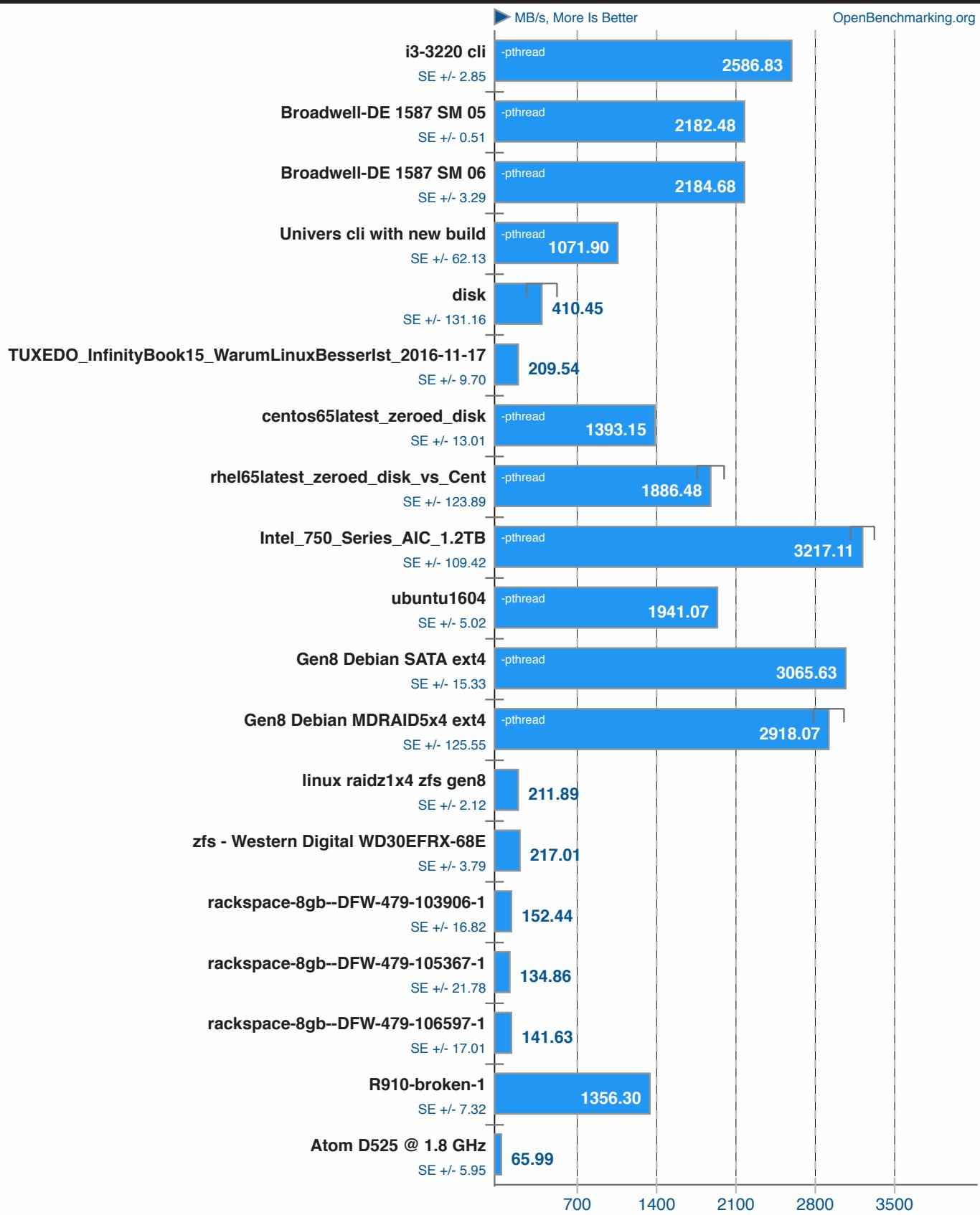


AIO-Stress v0.21

Random Write



OpenBenchmarking.org



1. (CC) gcc options: -lao

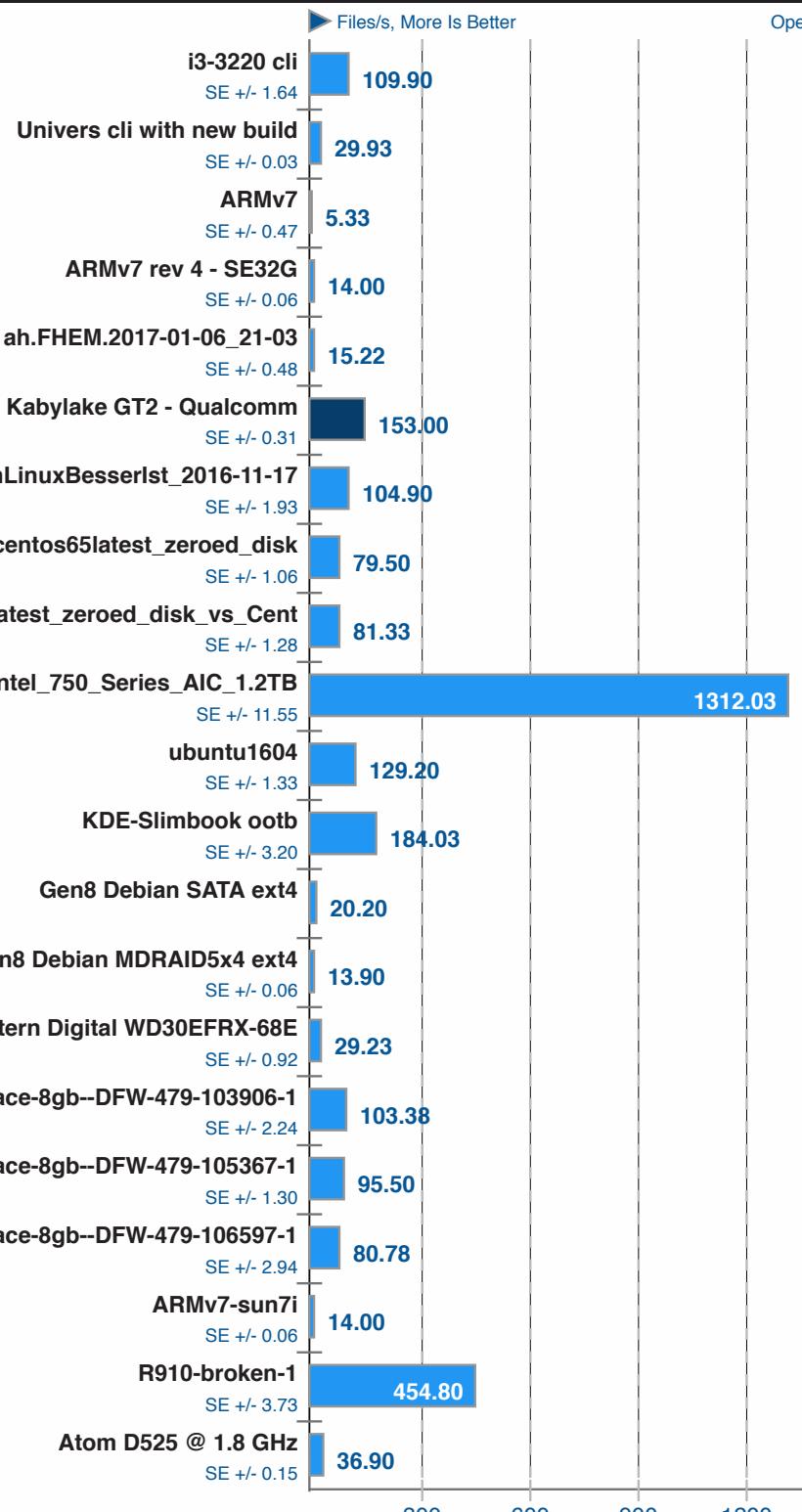
Phoronix Test Suite 7.0.0

FS-Mark v3.3

1000 Files, 1MB Size



OpenBenchmarking.org



1. (CC) gcc options: -static

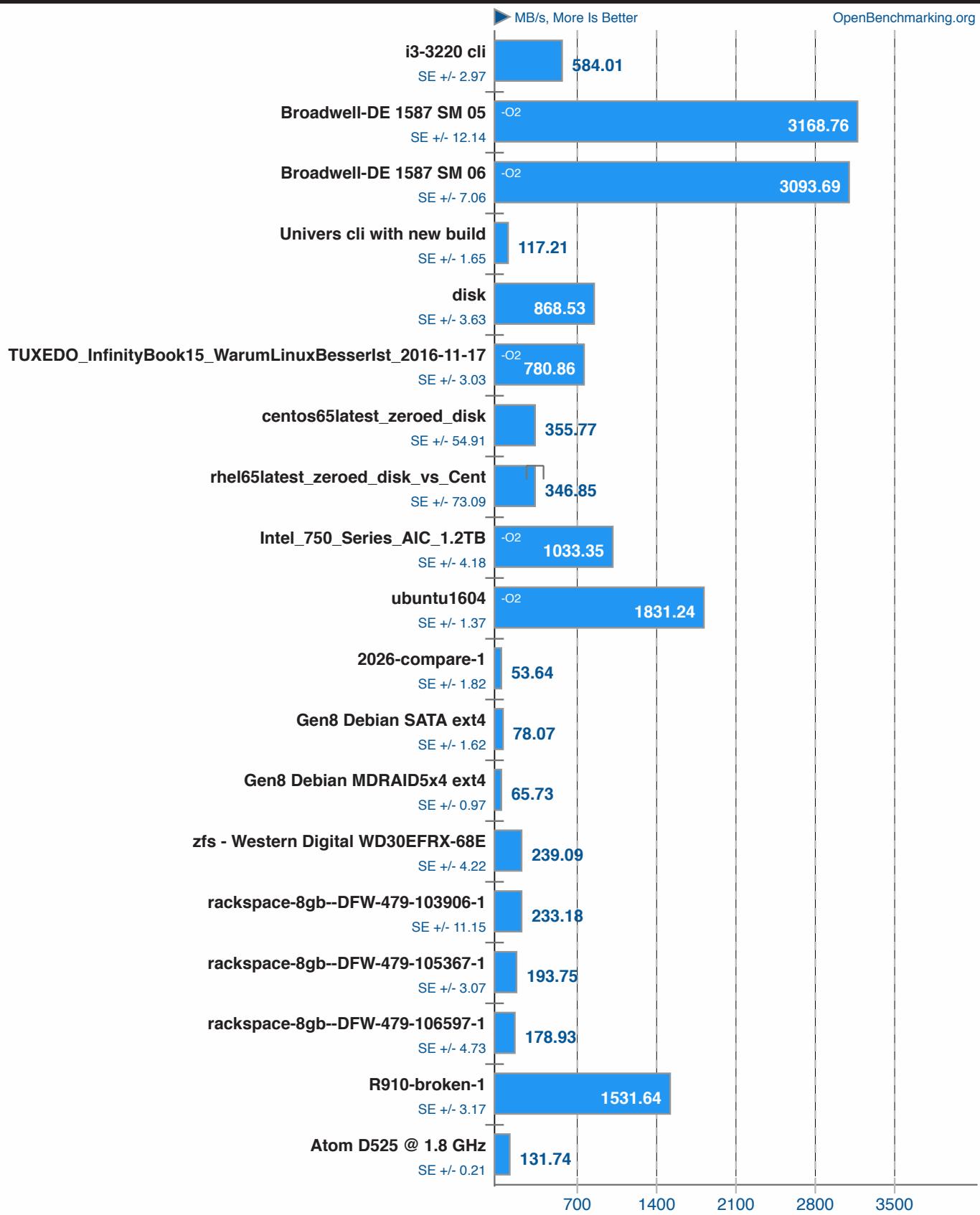
Phoronix Test Suite 7.0.0

Dbench v4.0

48 Clients



OpenBenchmarking.org



1. (CC) gcc options: -lpopt

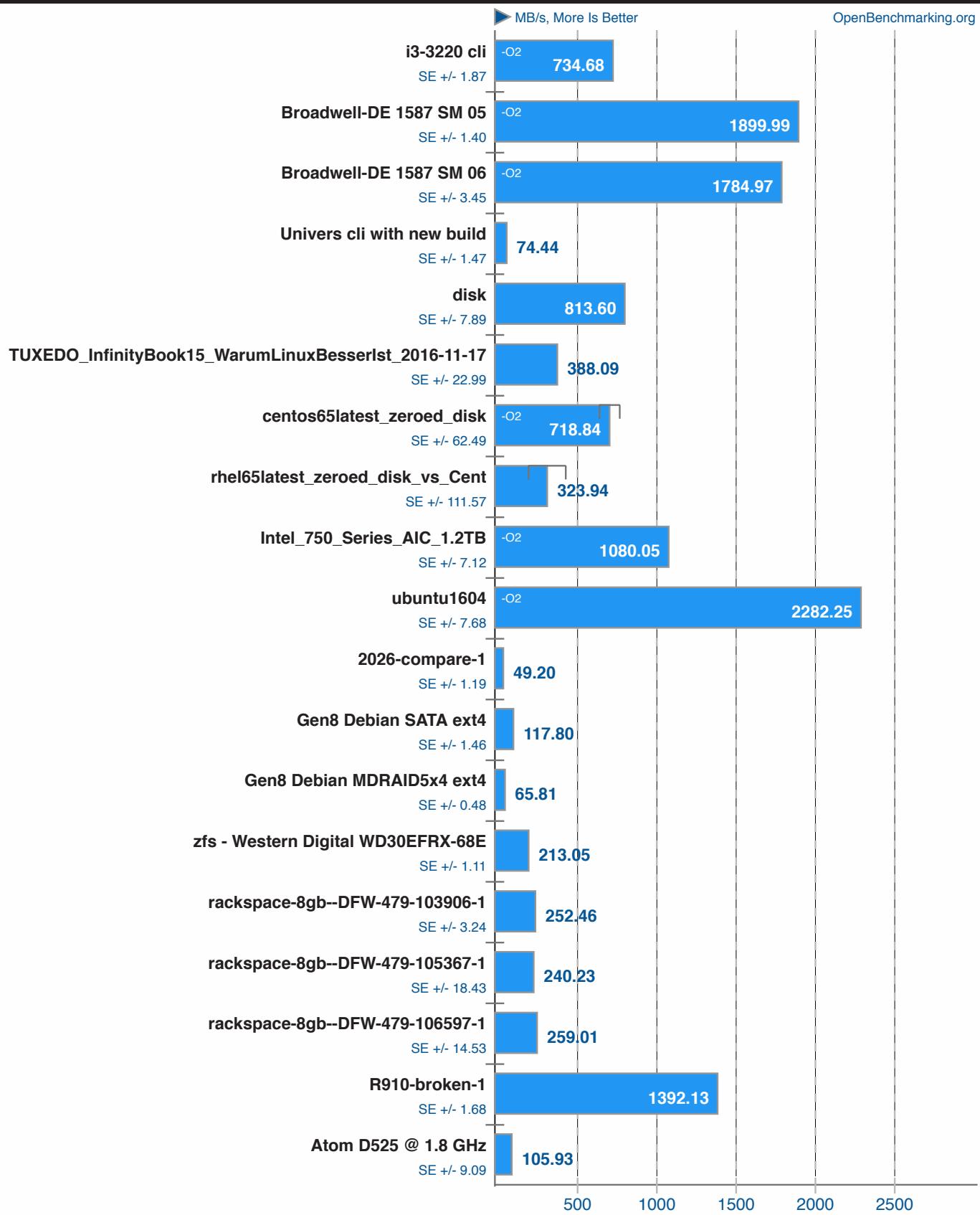
Phoronix Test Suite 7.0.0

Dbench v4.0

128 Clients



OpenBenchmarking.org



1. (CC) gcc options: -lpopt

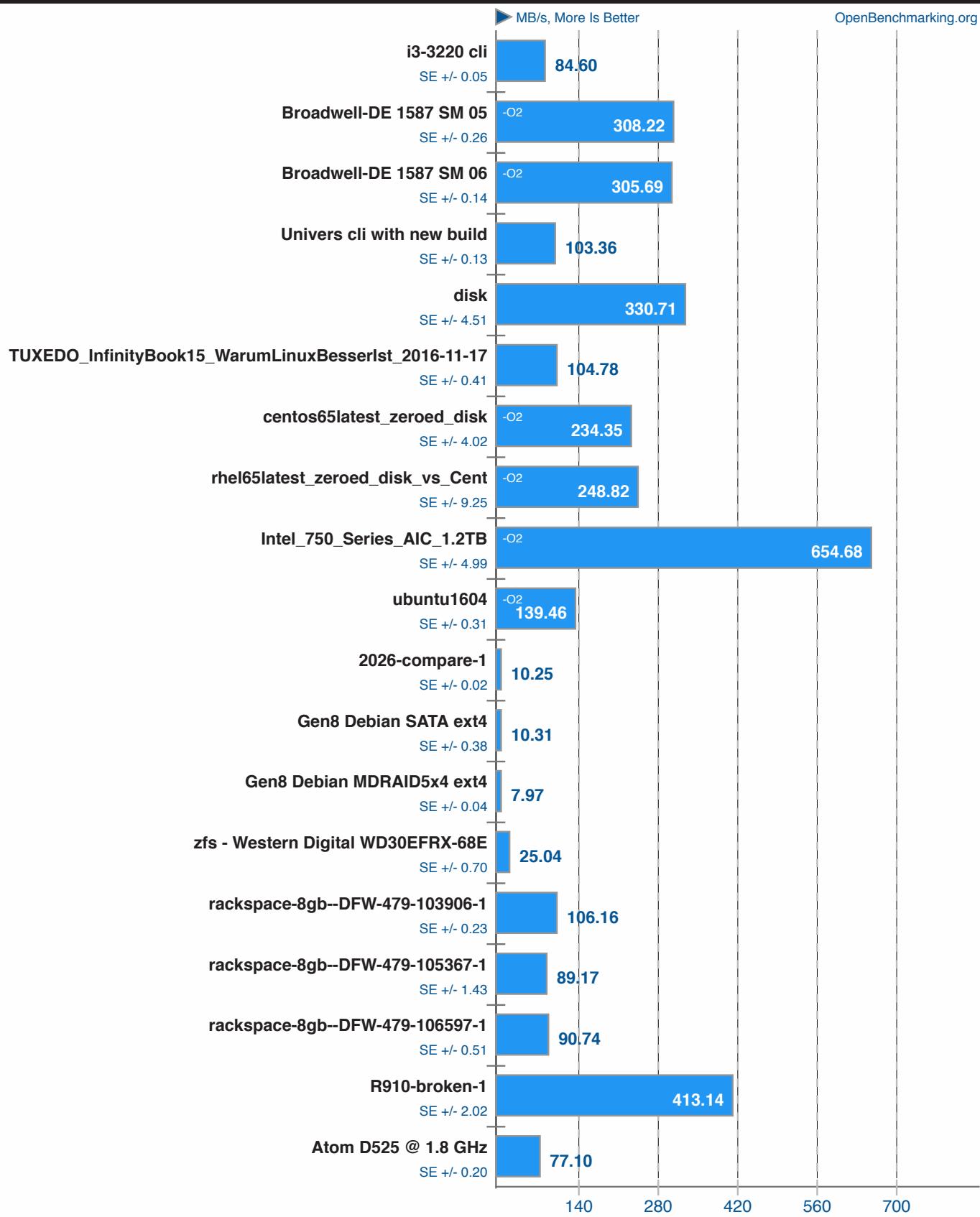
Phoronix Test Suite 7.0.0

Dbench v4.0

1 Clients



OpenBenchmarking.org



1. (CC) gcc options: -lpopt

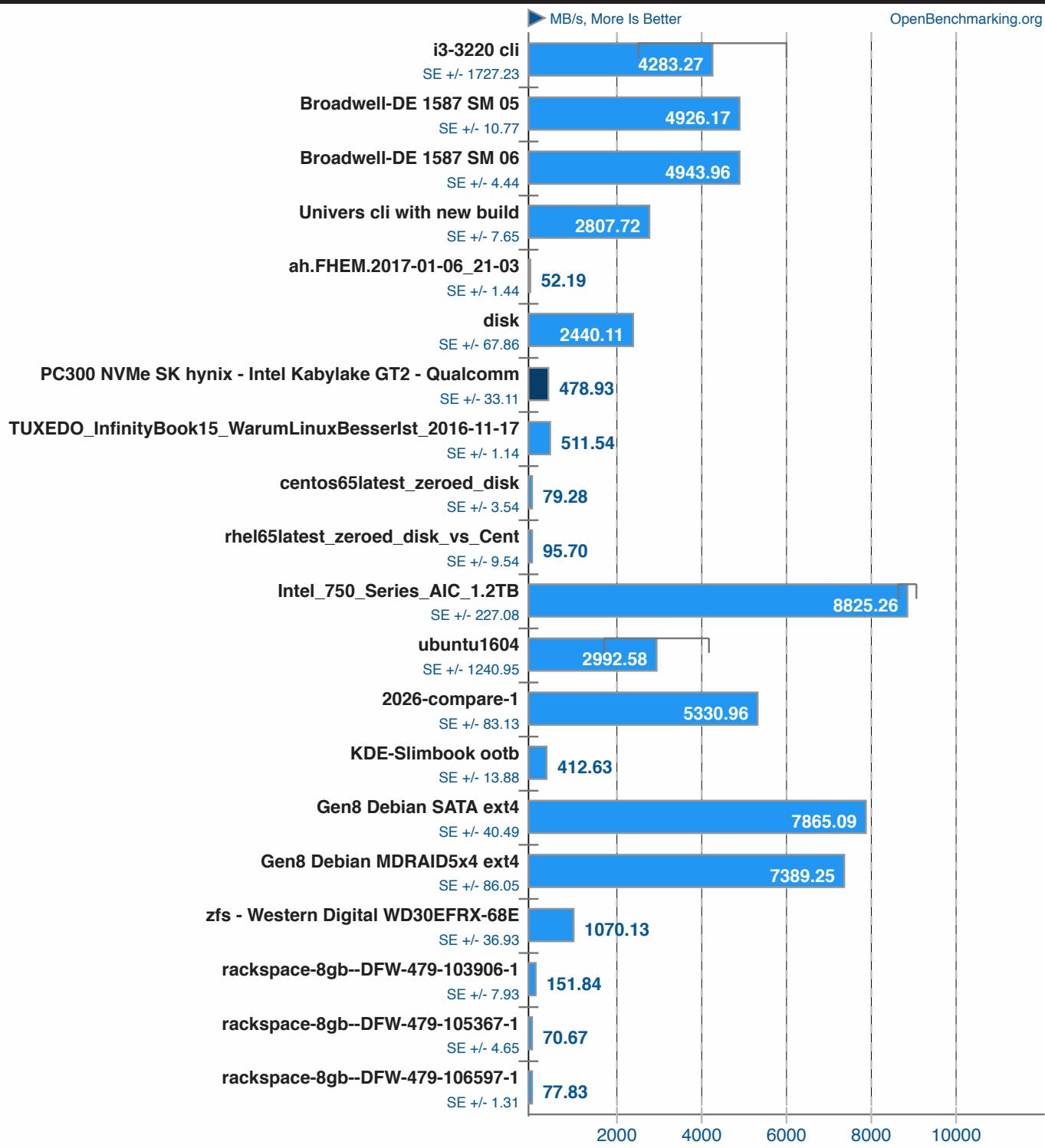
Phoronix Test Suite 7.0.0

IOzone v3.405

8GB Read Performance



OpenBenchmarking.org



1. (CC) gcc options: -O3

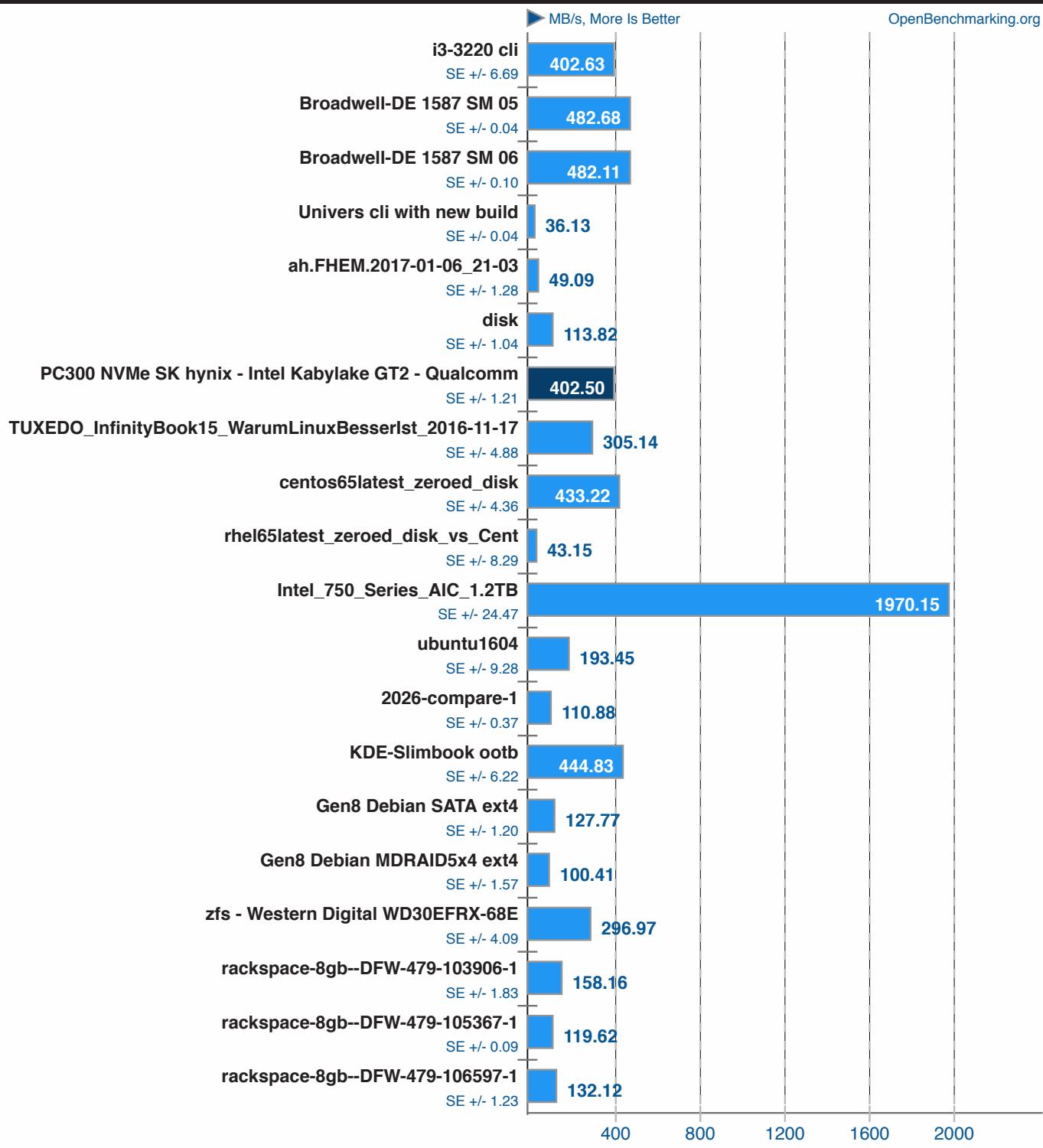
Phoronix Test Suite 7.0.0

IOzone v3.405

8GB Write Performance

ptsli

OpenBenchmarking.org



1. (CC) gcc options: -O3

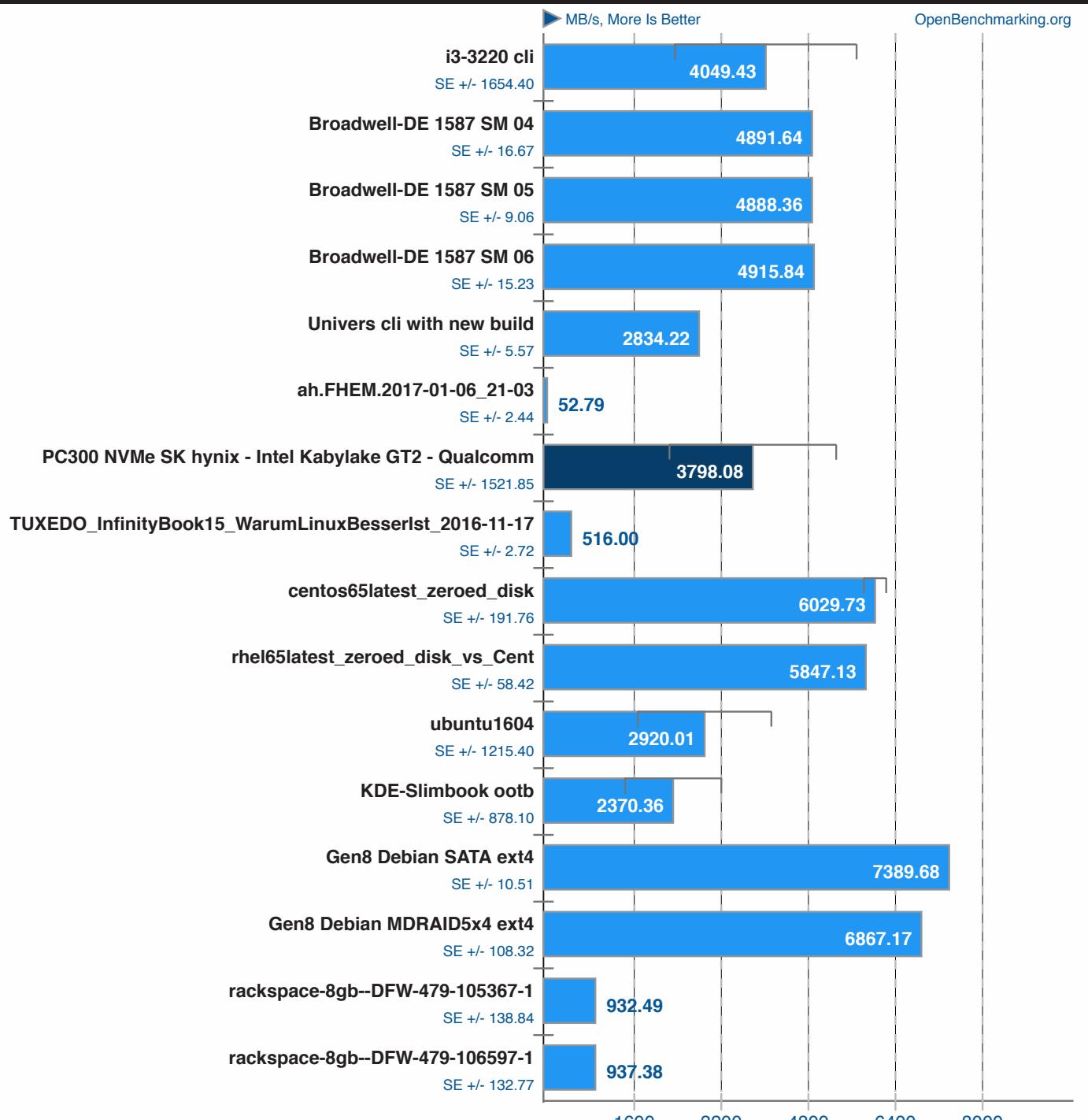
Phoronix Test Suite 7.0.0

IOzone v3.405

Size: 4GB - Disk Test: Read Performance



OpenBenchmarking.org



1. (CC) gcc options: -O3

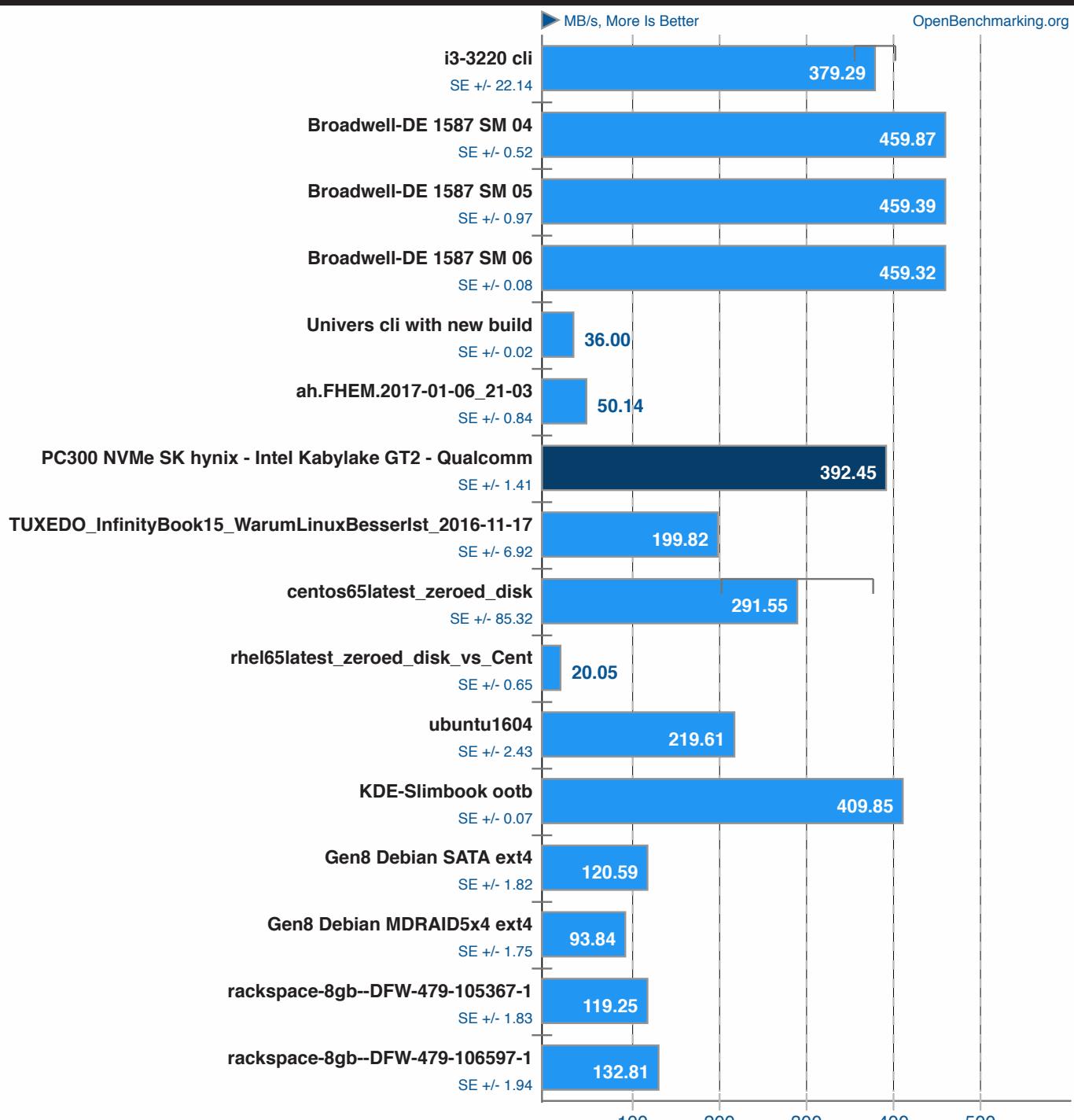
Phoronix Test Suite 7.0.0

IOzone v3.405

Size: 4GB - Disk Test: Write Performance



OpenBenchmarking.org



1. (CC) gcc options: -O3

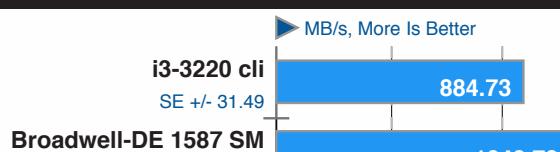
Phoronix Test Suite 7.0.0

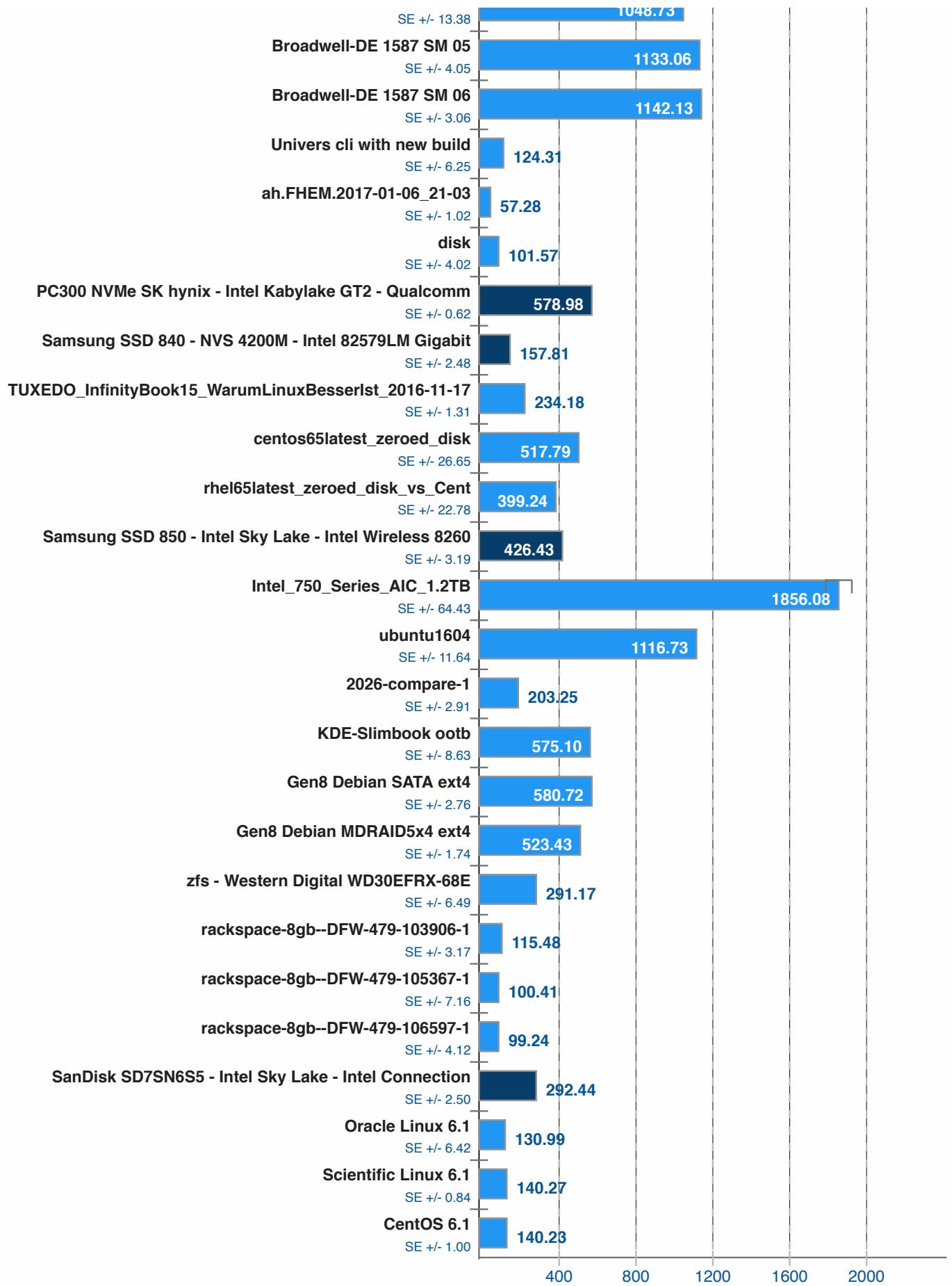
Compile Bench v0.6

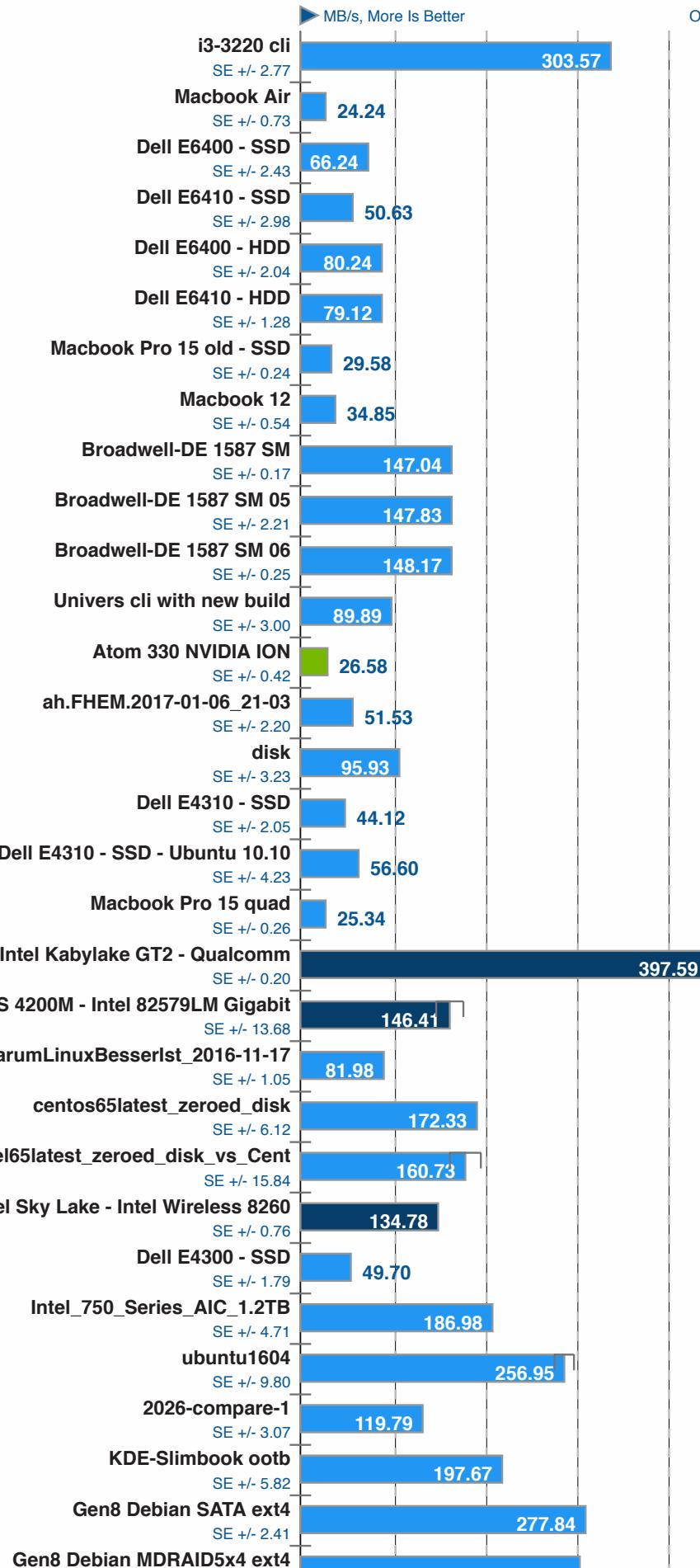
Test: Compile

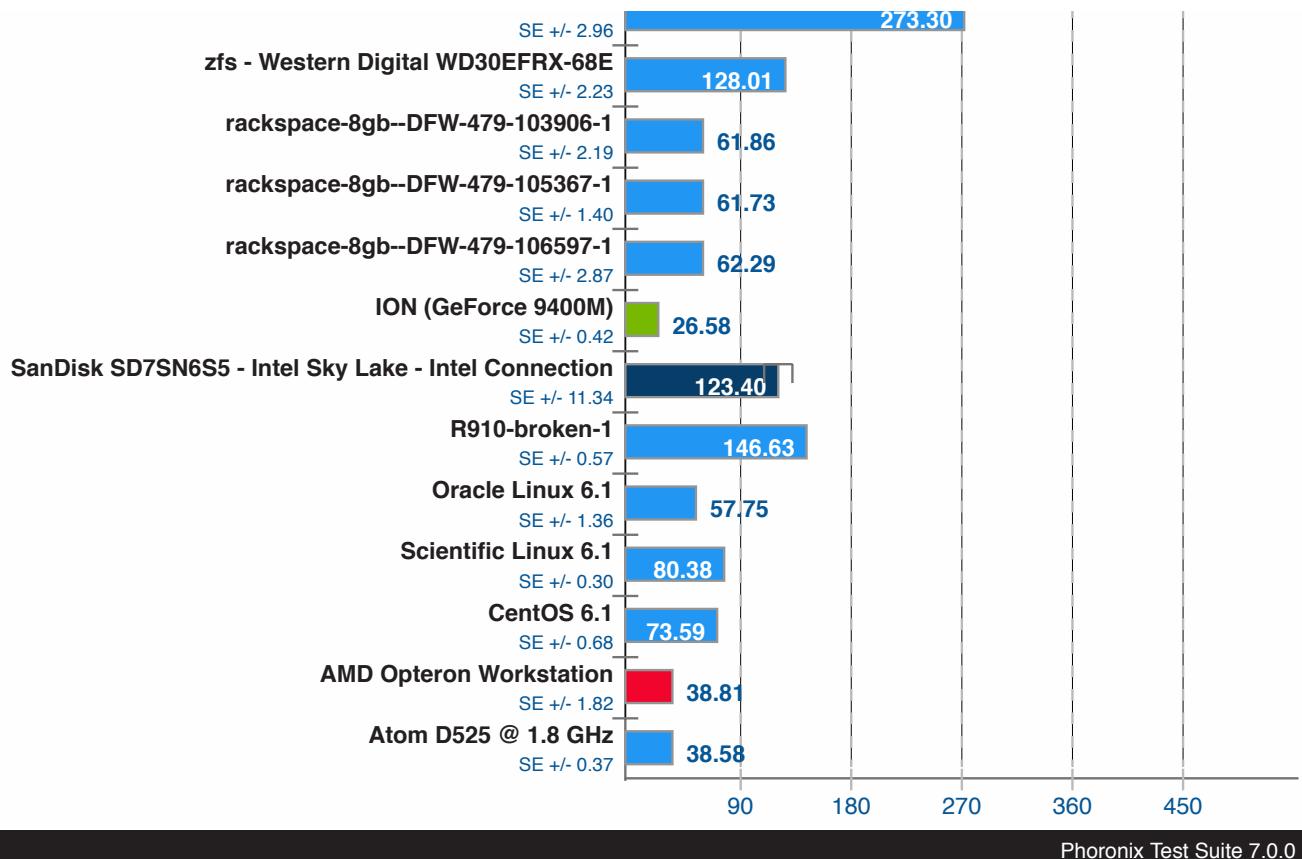


OpenBenchmarking.org





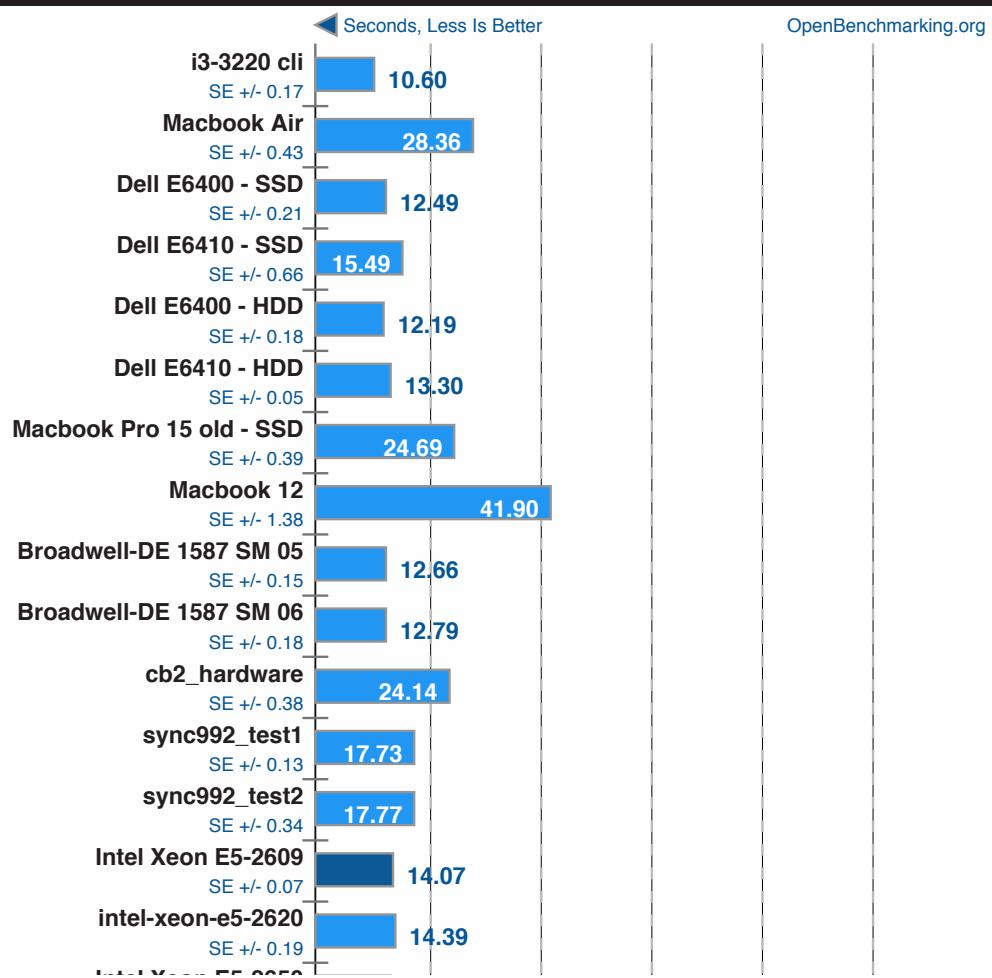


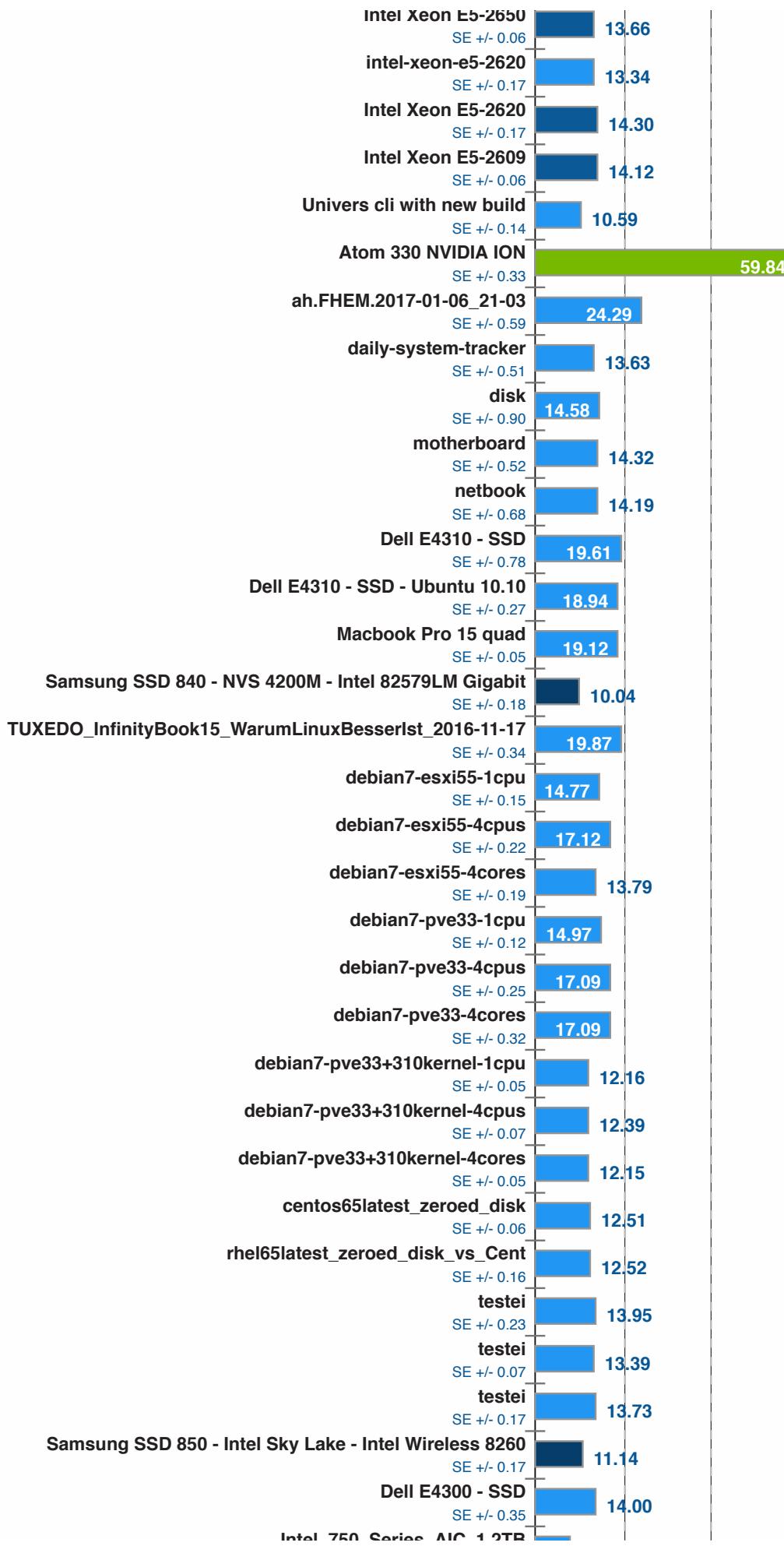


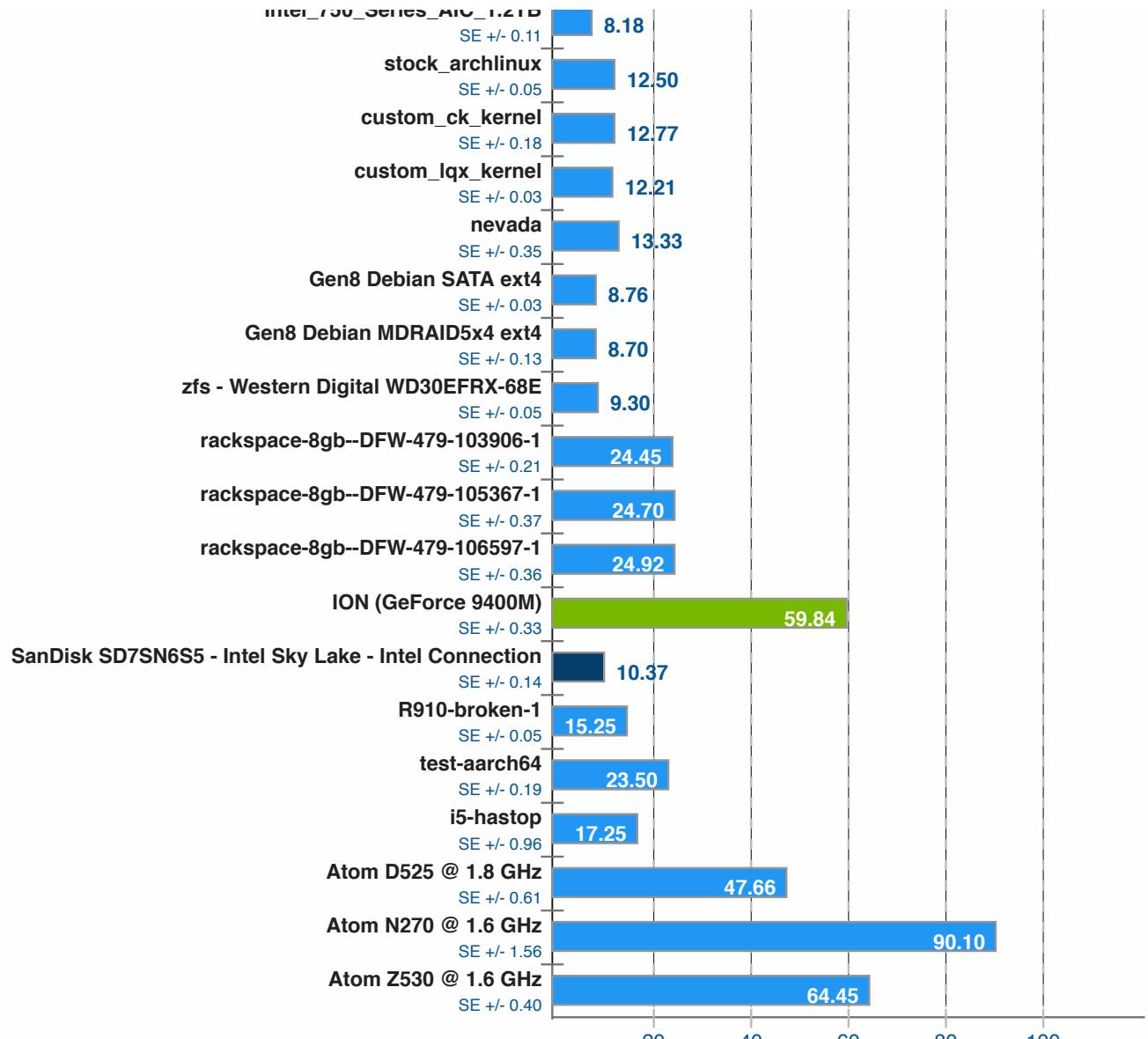
Phoronix Test Suite 7.0.0

Unpacking The Linux Kernel

linux-2.6.32.tar.bz2







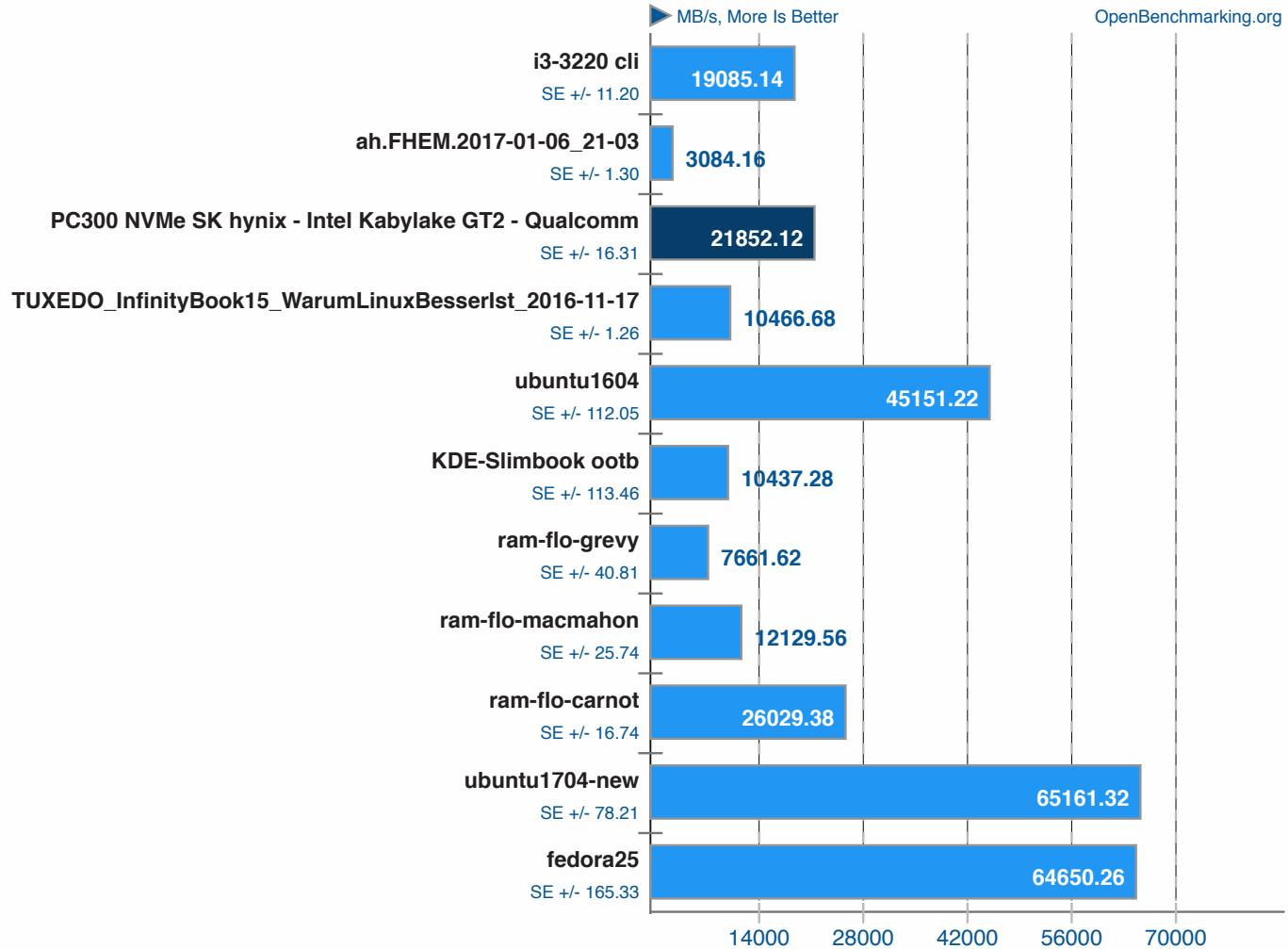
Phoronix Test Suite 7.0.0

Stream v2013-01-17

Type: Copy



OpenBenchmarking.org



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

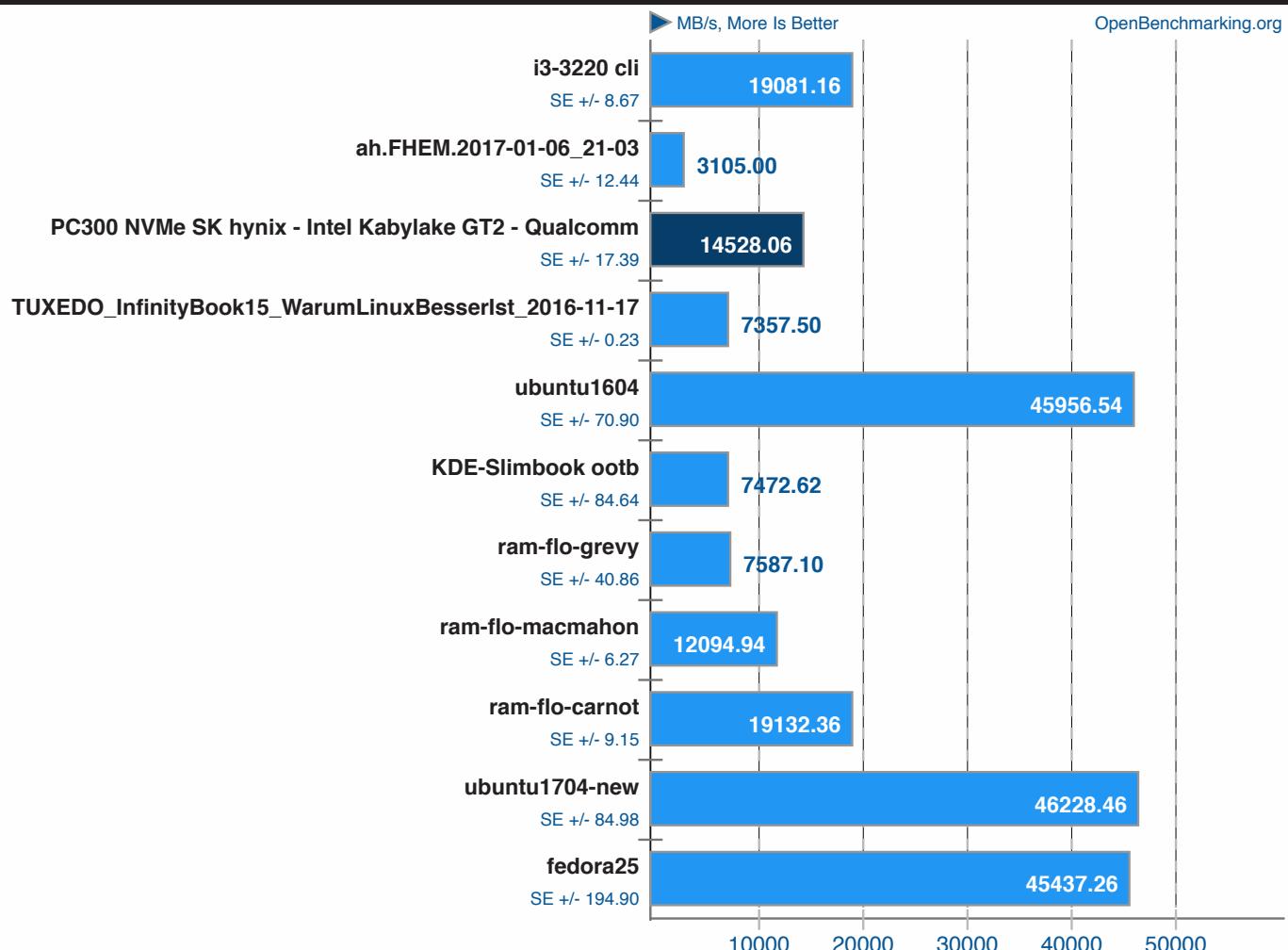
Phoronix Test Suite 7.0.0

Stream v2013-01-17

Type: Scale



OpenBenchmarking.org



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

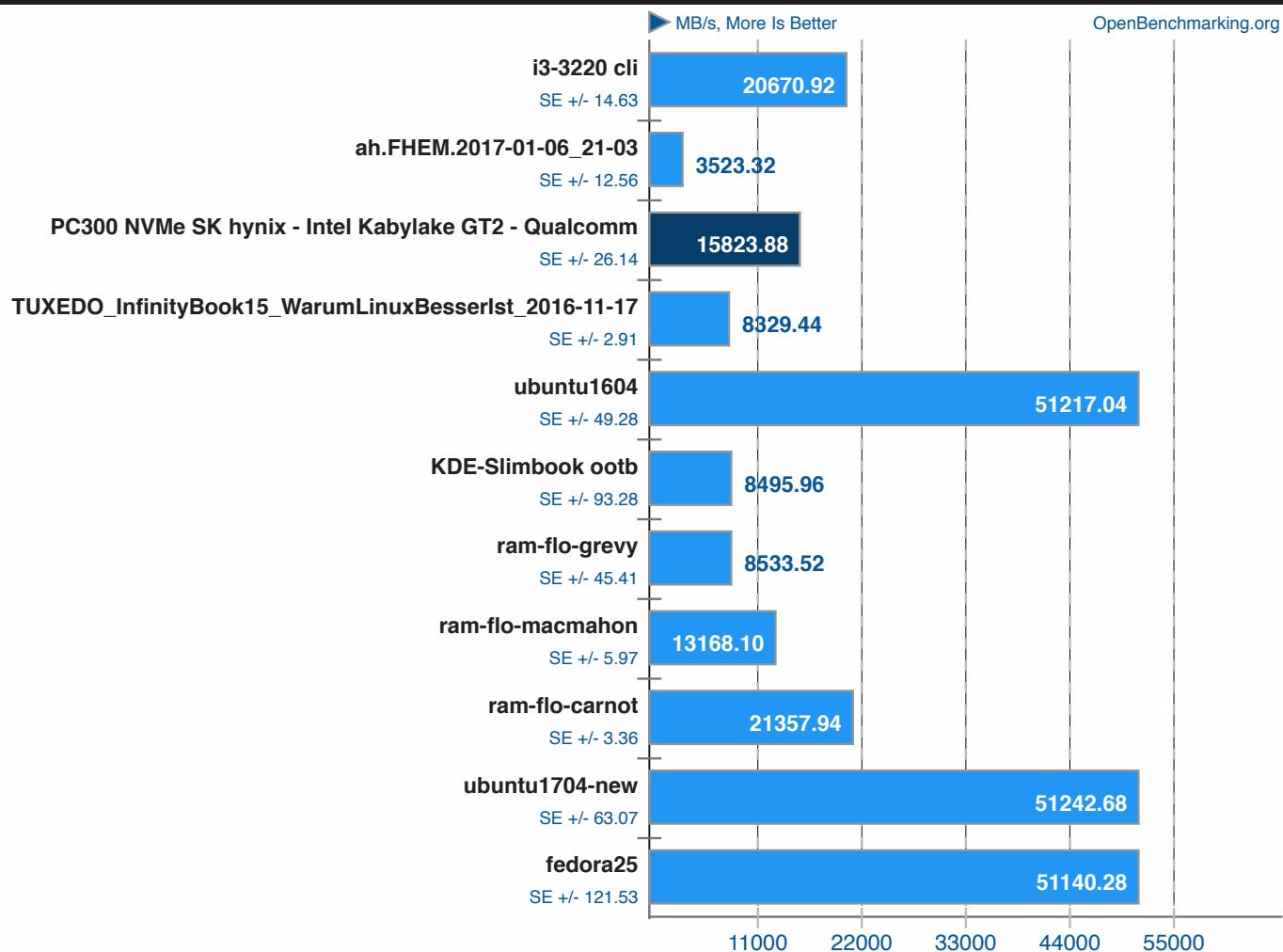
Phoronix Test Suite 7.0.0

Stream v2013-01-17

Type: Triad



OpenBenchmarking.org



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

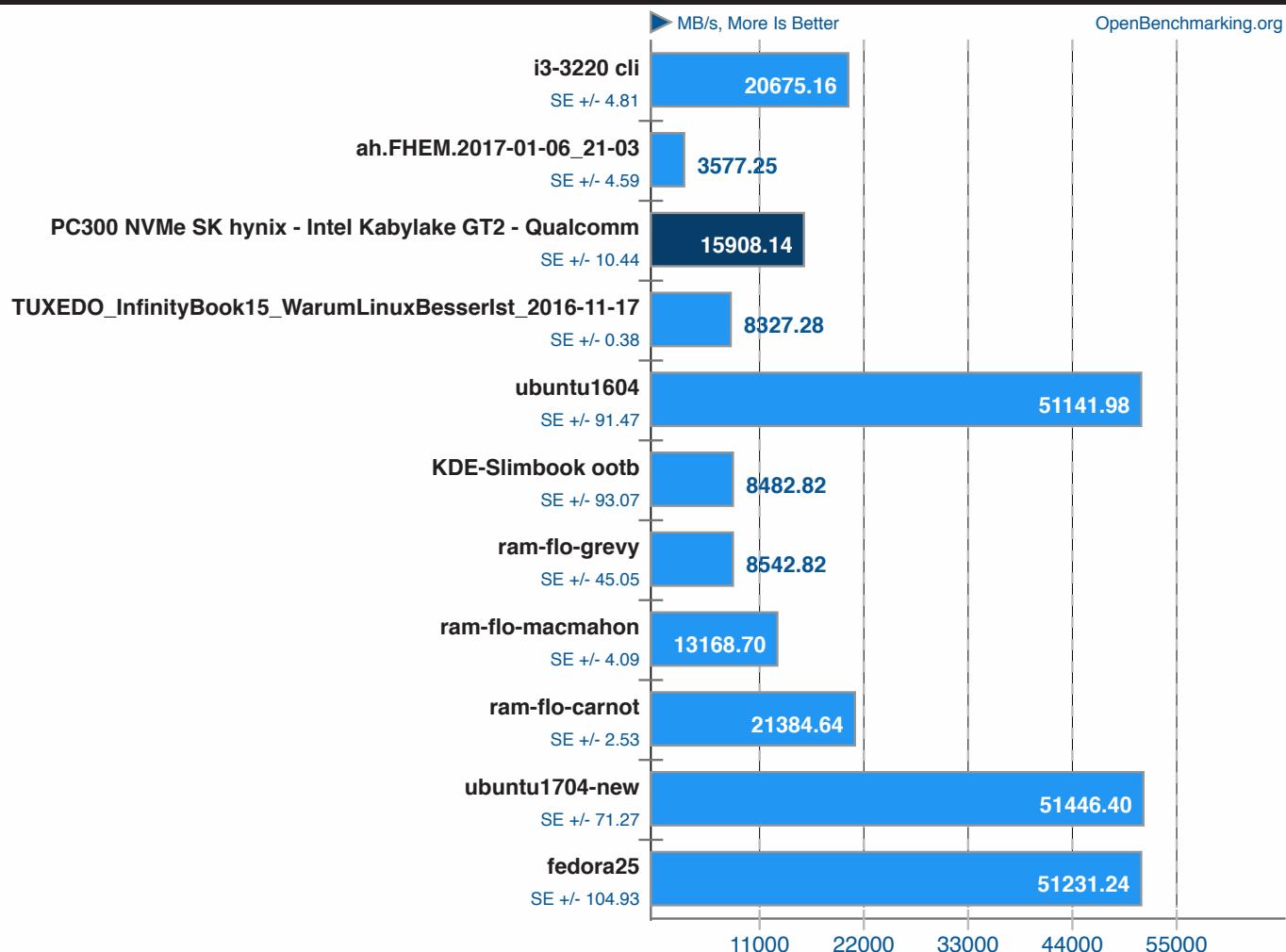
Phoronix Test Suite 7.0.0

Stream v2013-01-17

Type: Add



OpenBenchmarking.org



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

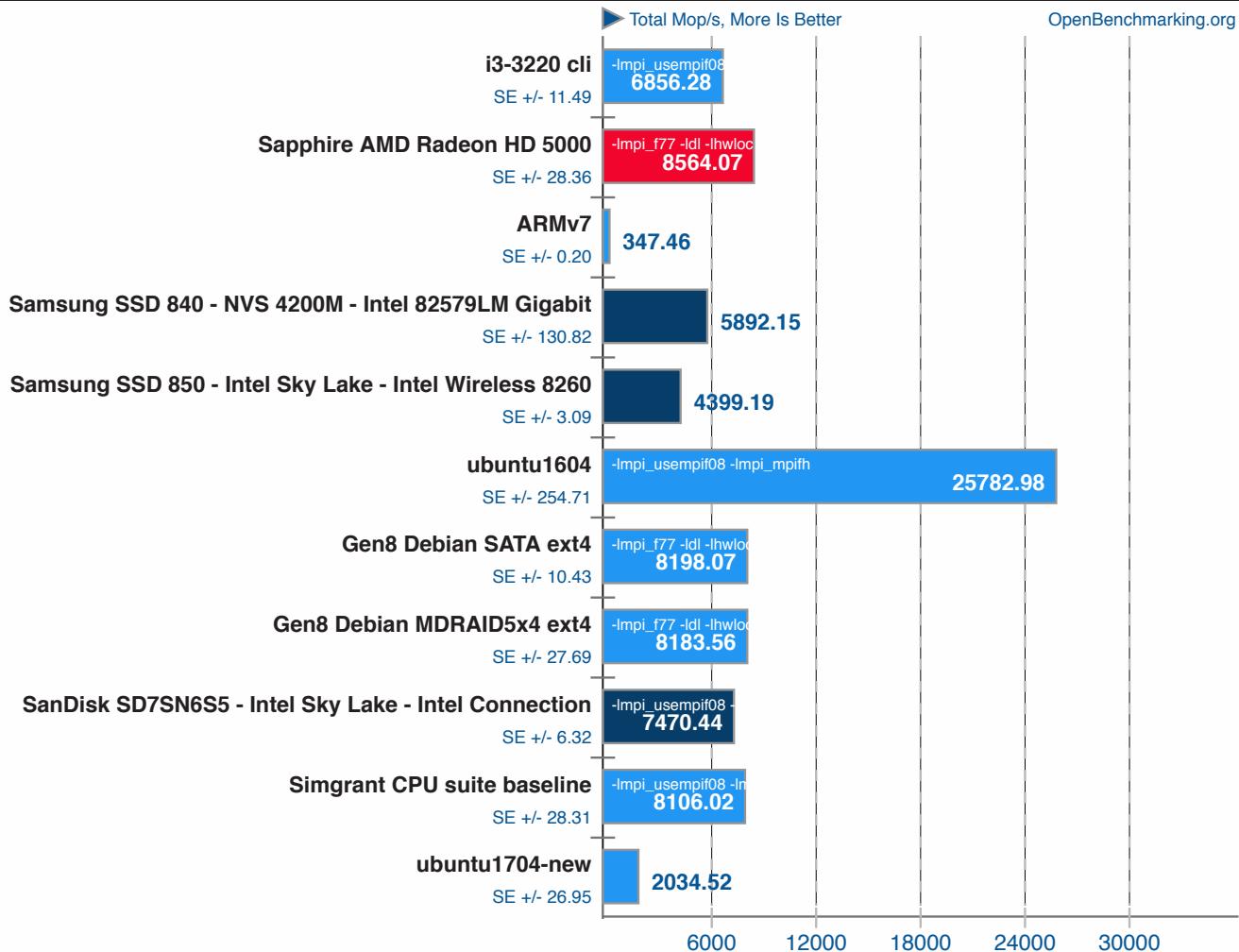
Phoronix Test Suite 7.0.0

NAS Parallel Benchmarks v3.3

Test / Class: LU.A



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

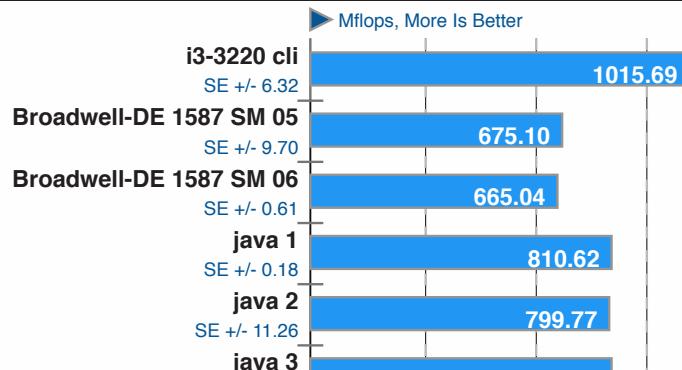
- (F9X) gfortran options: -O3 -march=native -pthread -lmpi
- i3-3220 cli: Open MPI 1.10.2
- ARMv7: Open MPI 1.6.5
- Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit: Open MPI 1.6.5
- Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260: Open MPI 1.10.2
- ubuntu1604: Open MPI 1.10.2
- Gen8 Debian SATA ext4: Open MPI 1.6.5
- Gen8 Debian MDRAID5x4 ext4: Open MPI 1.6.5
- SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection: Open MPI 1.10.2
- Simgrant CPU suite baseline: Open MPI 1.10.2

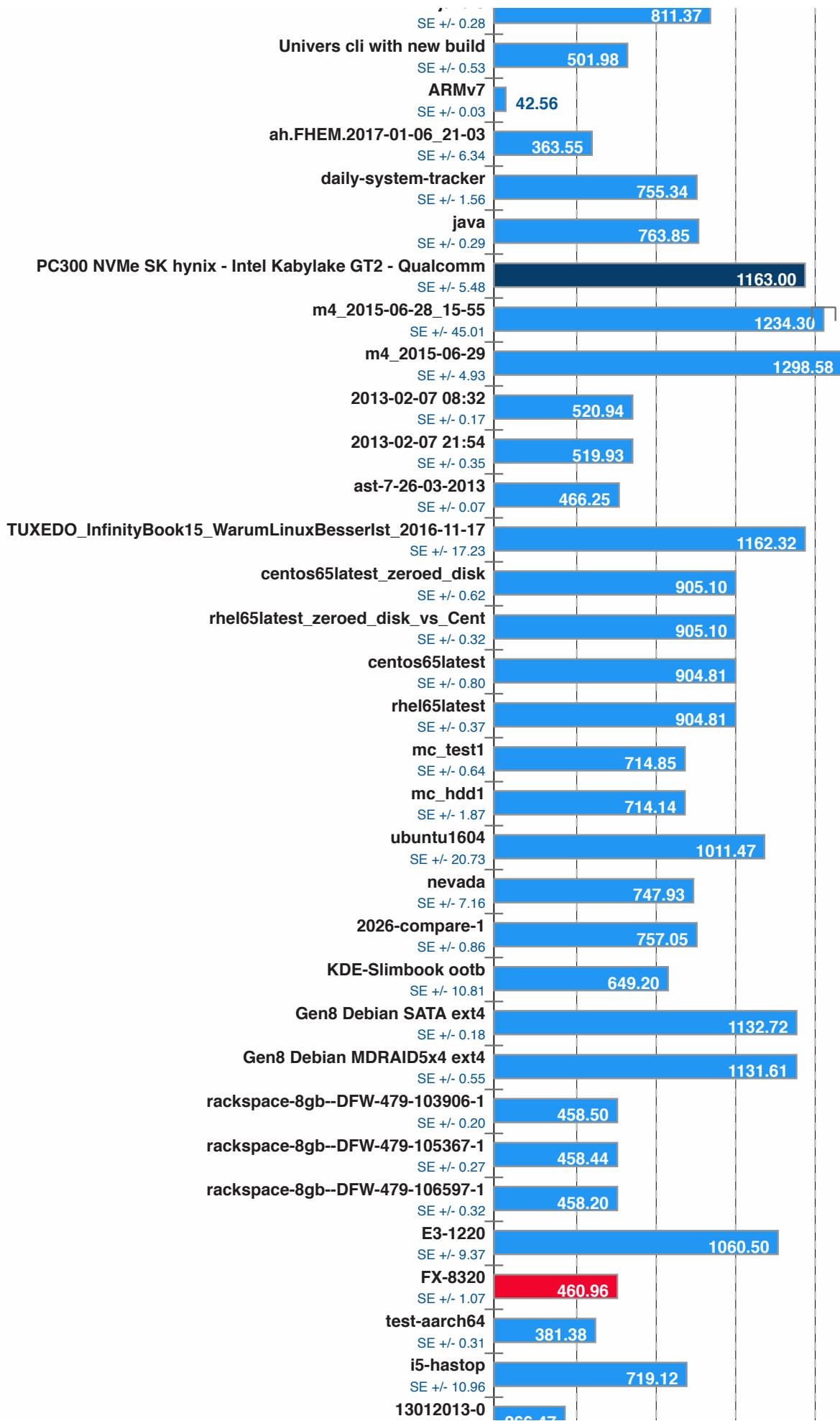
Java SciMark v2.0

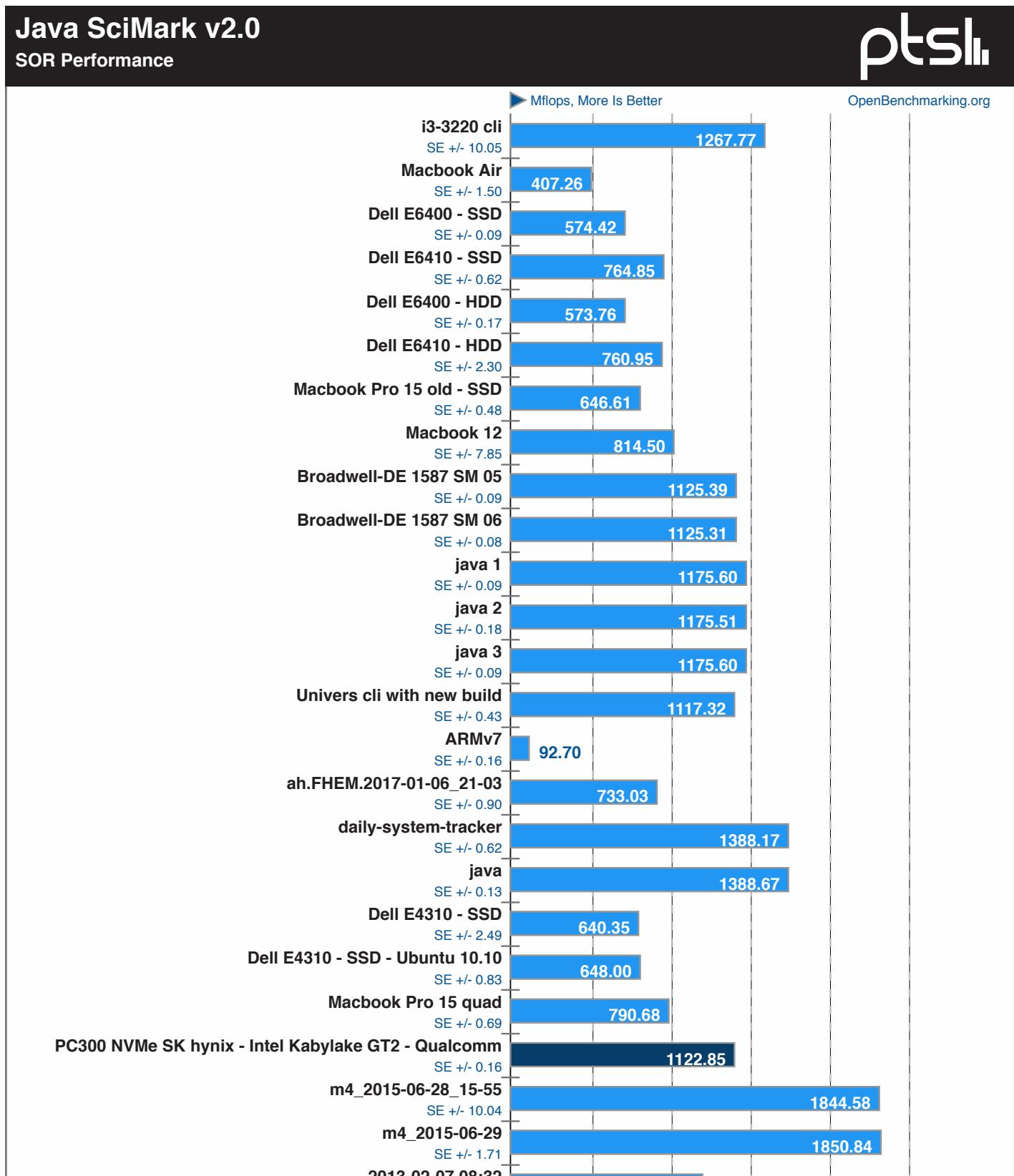
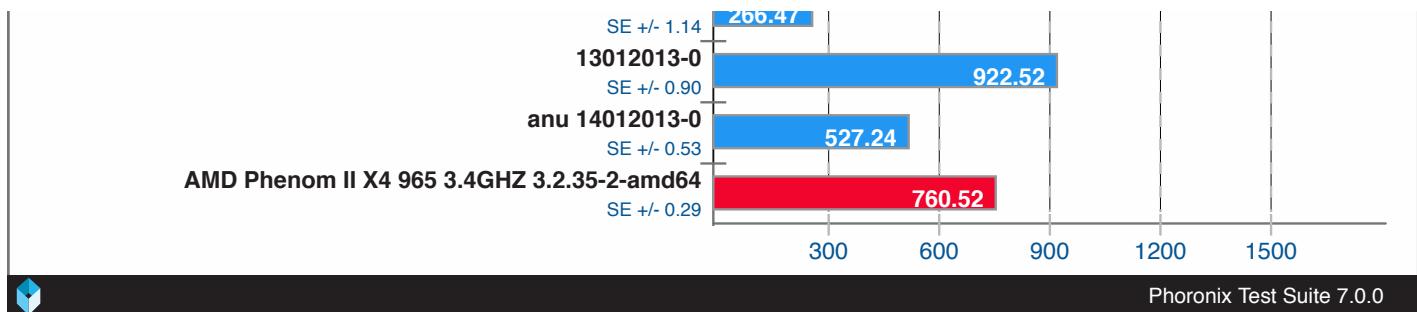
FFT Performance

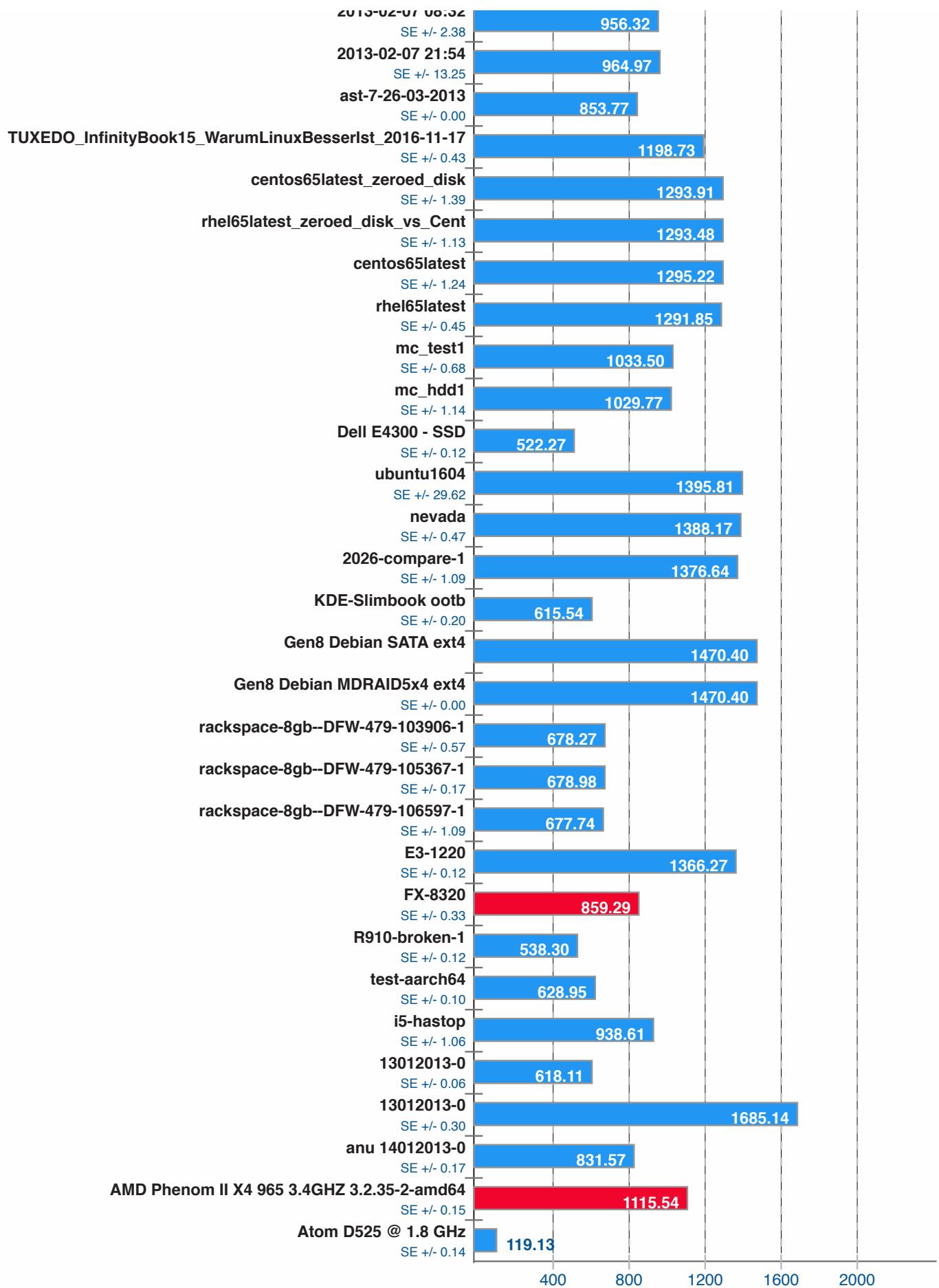


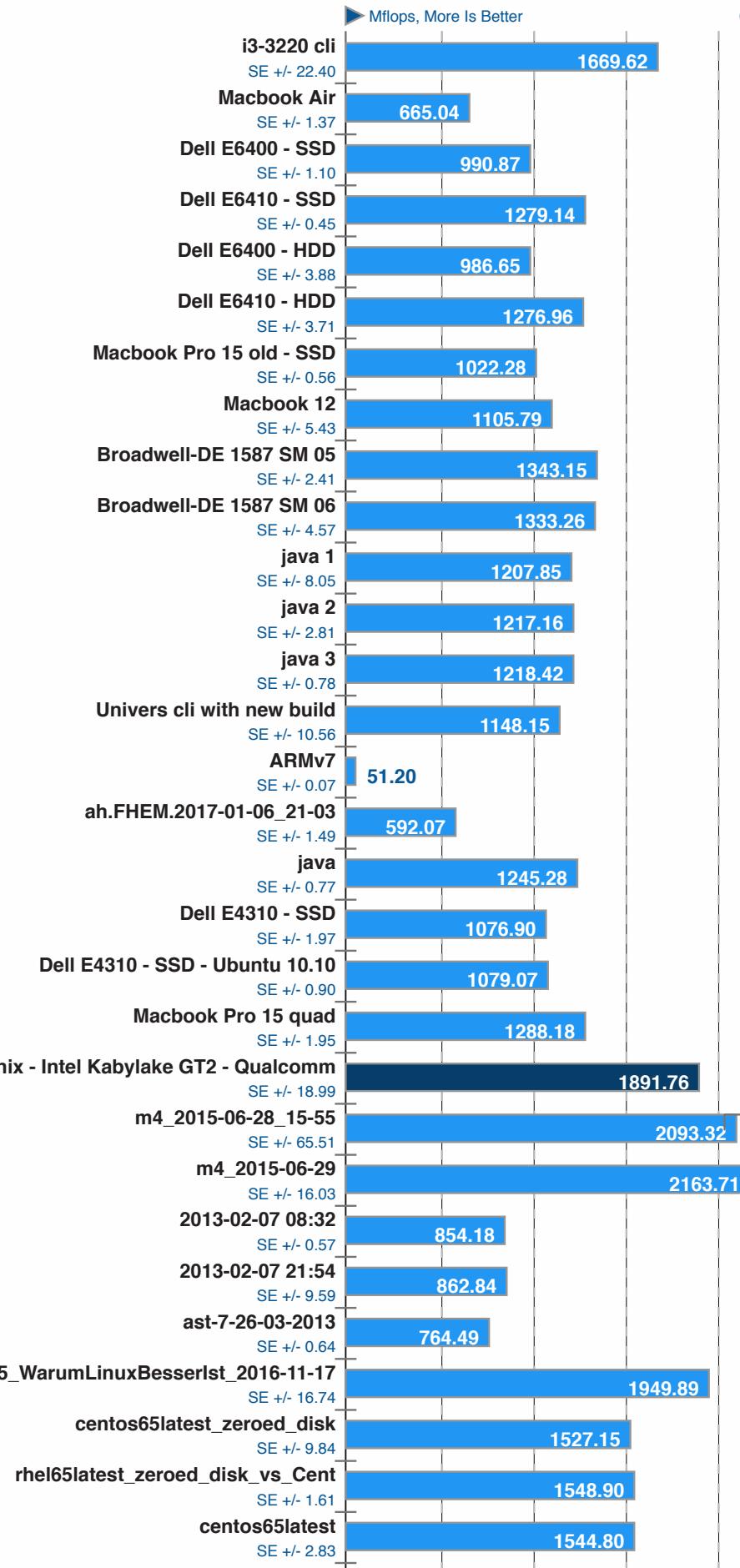
OpenBenchmarking.org

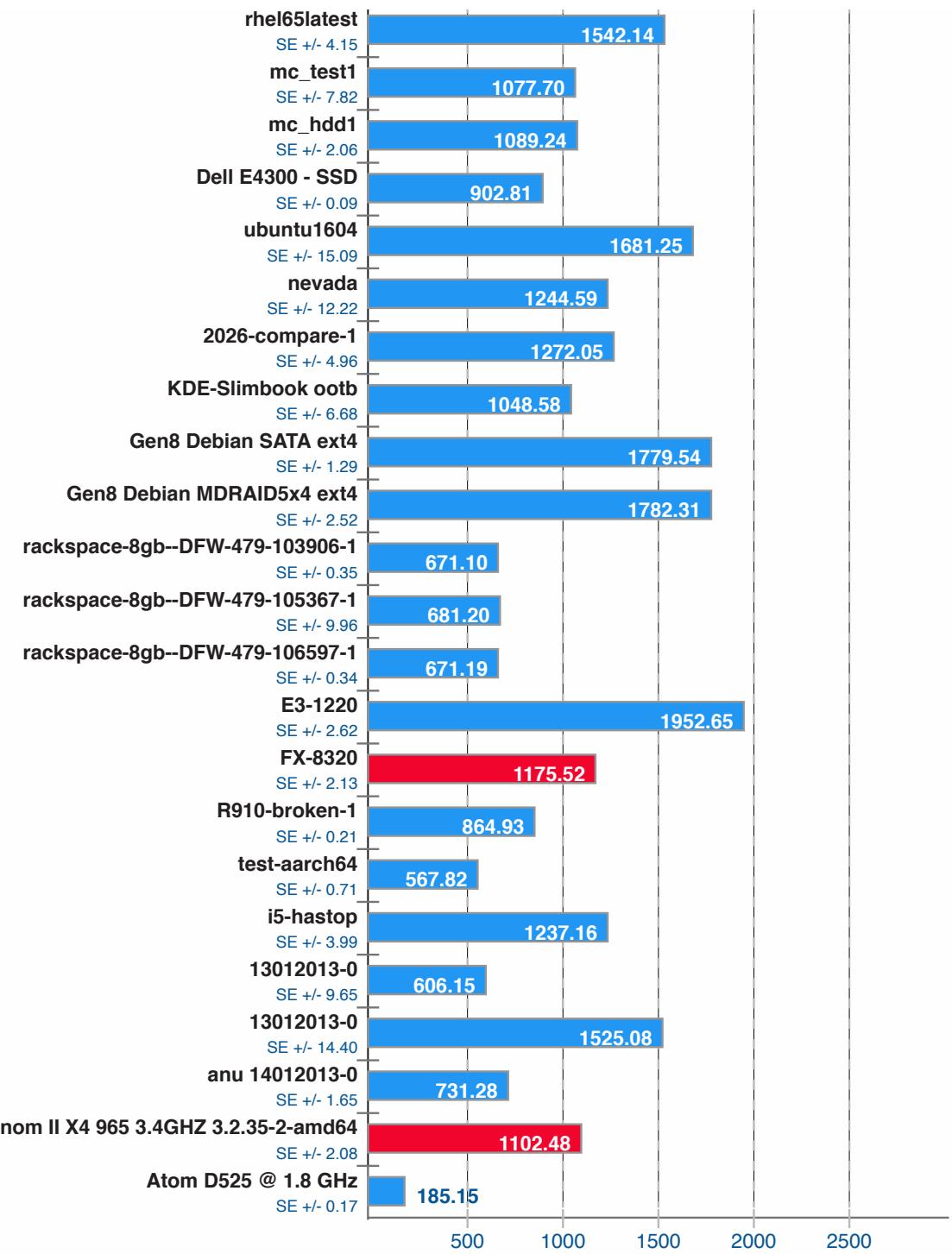








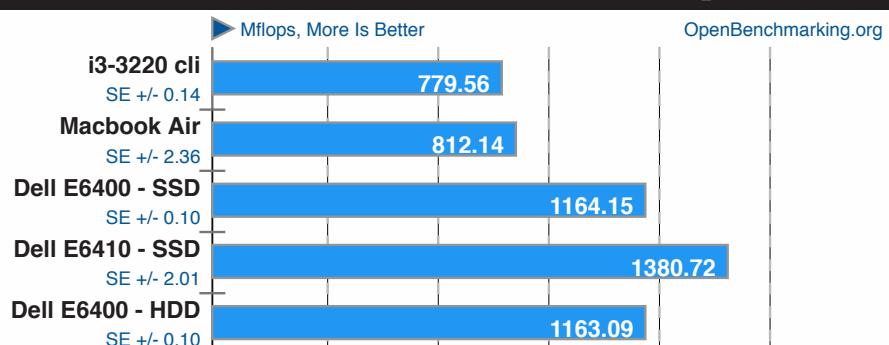


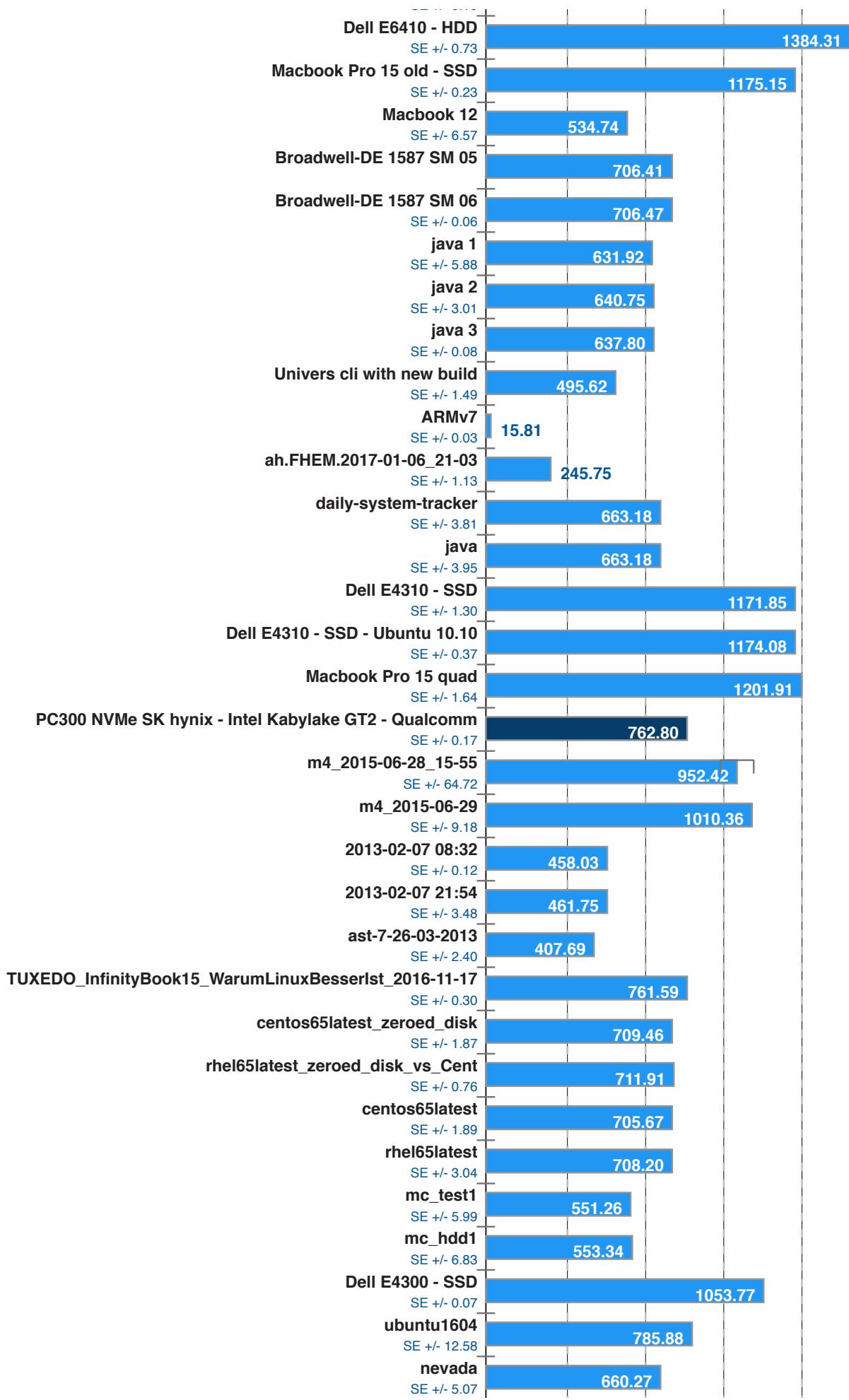


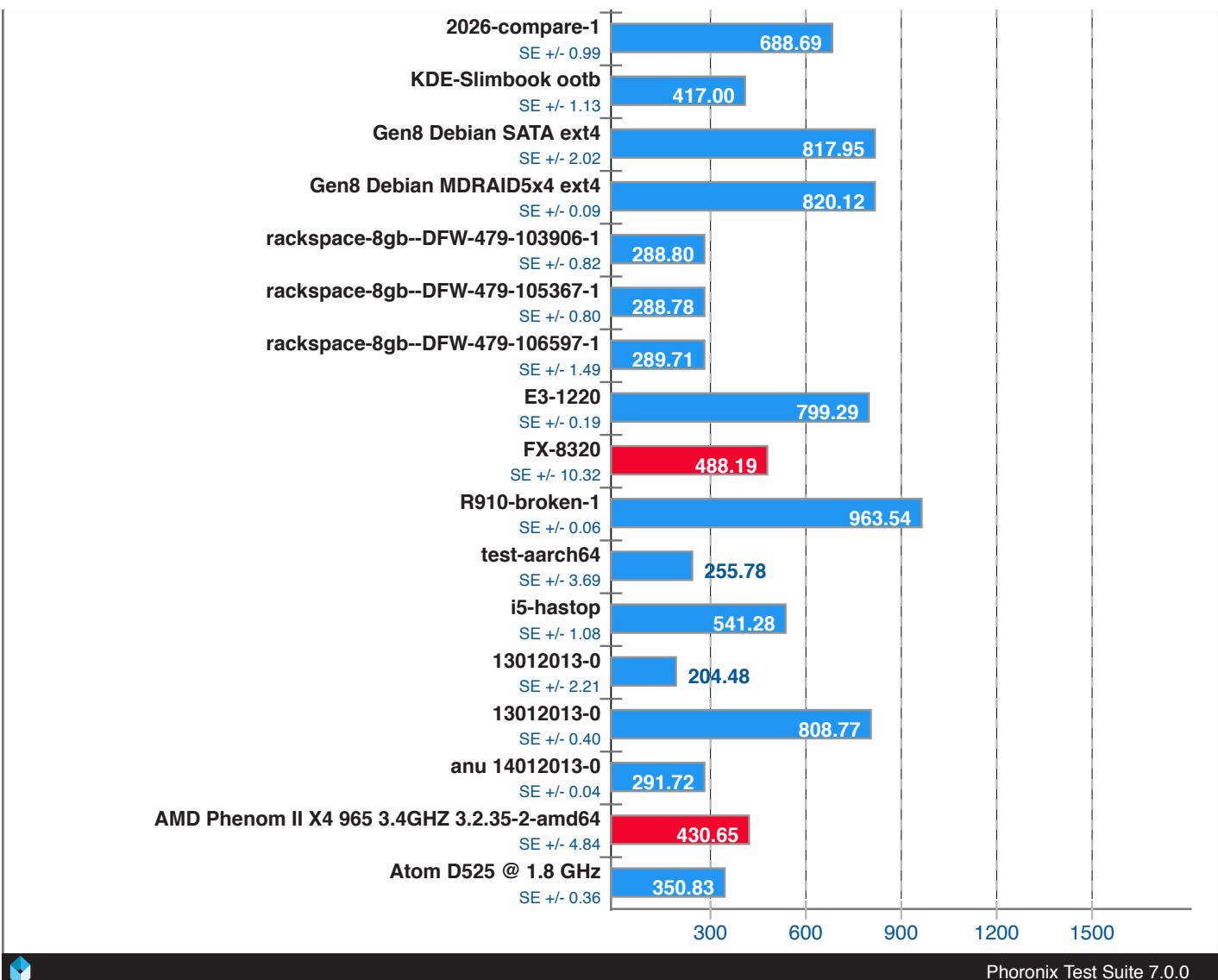
Phoronix Test Suite 7.0.0

Java SciMark v2.0

Monte Carlo Performance



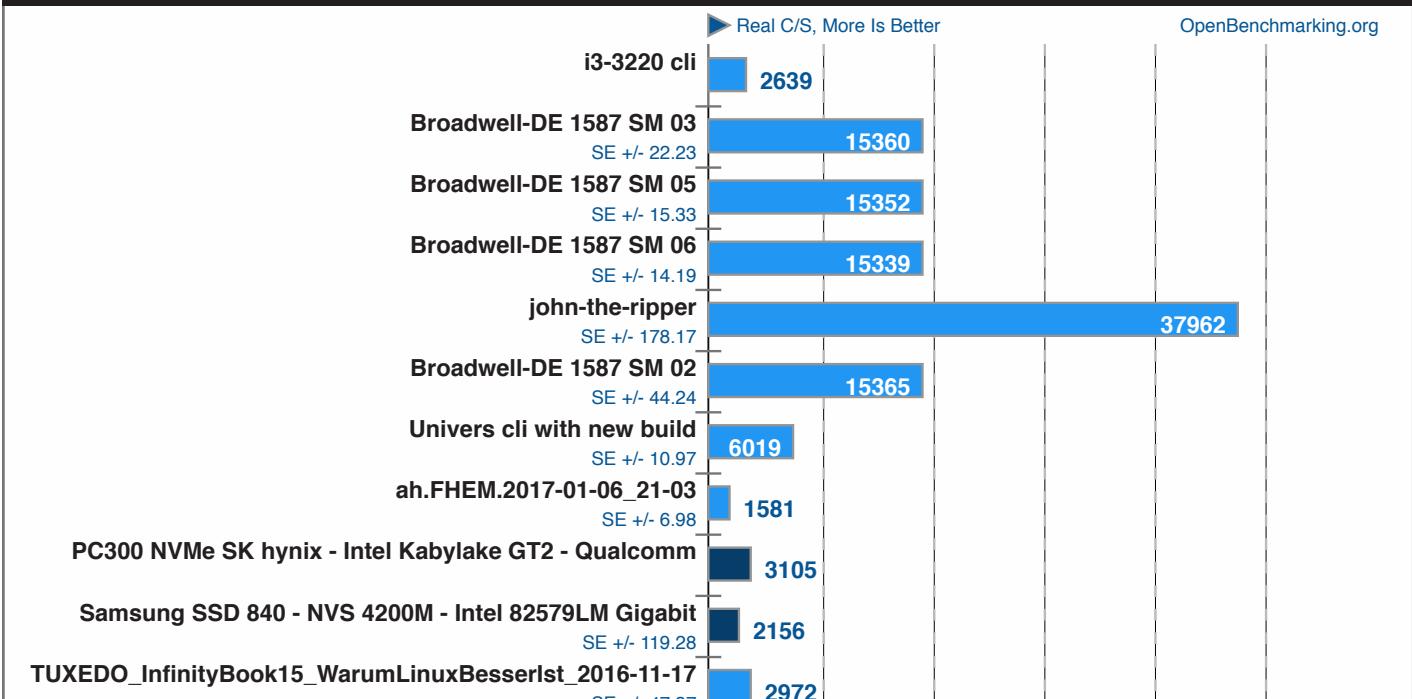


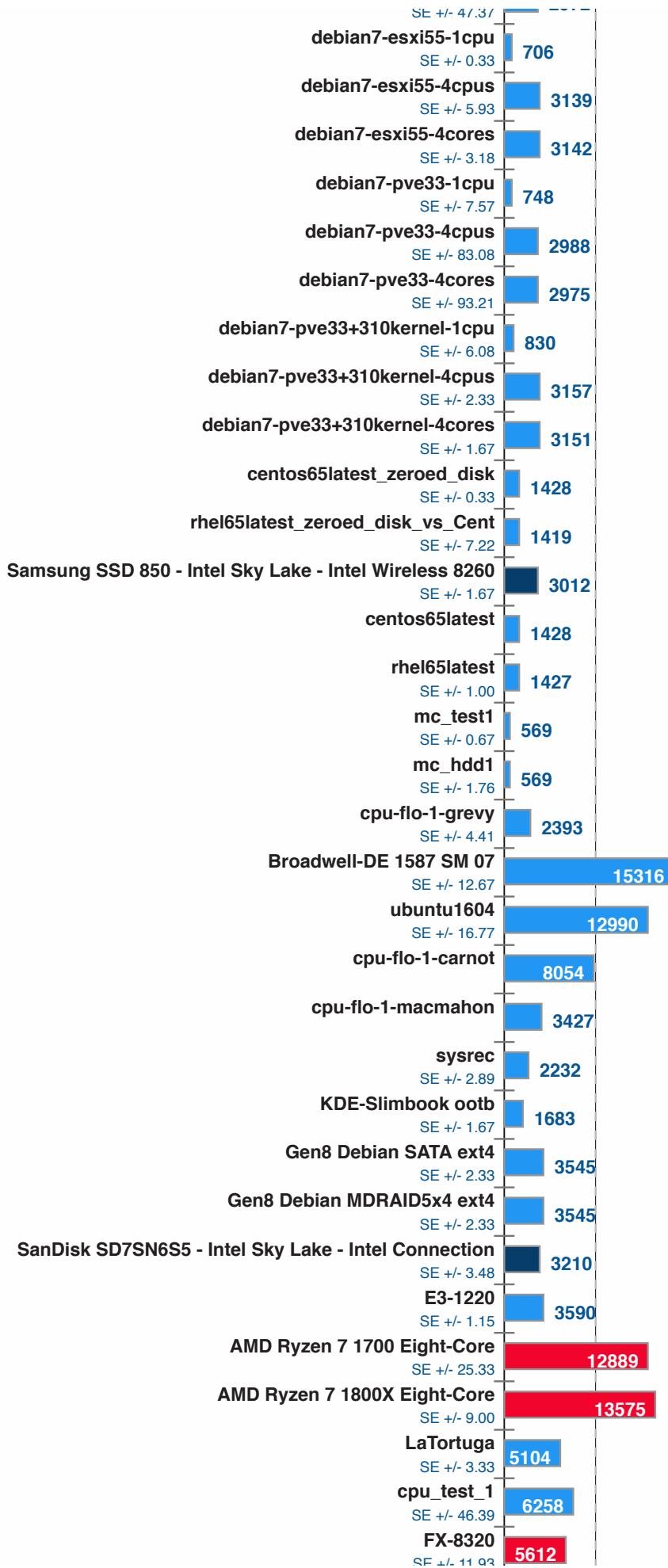


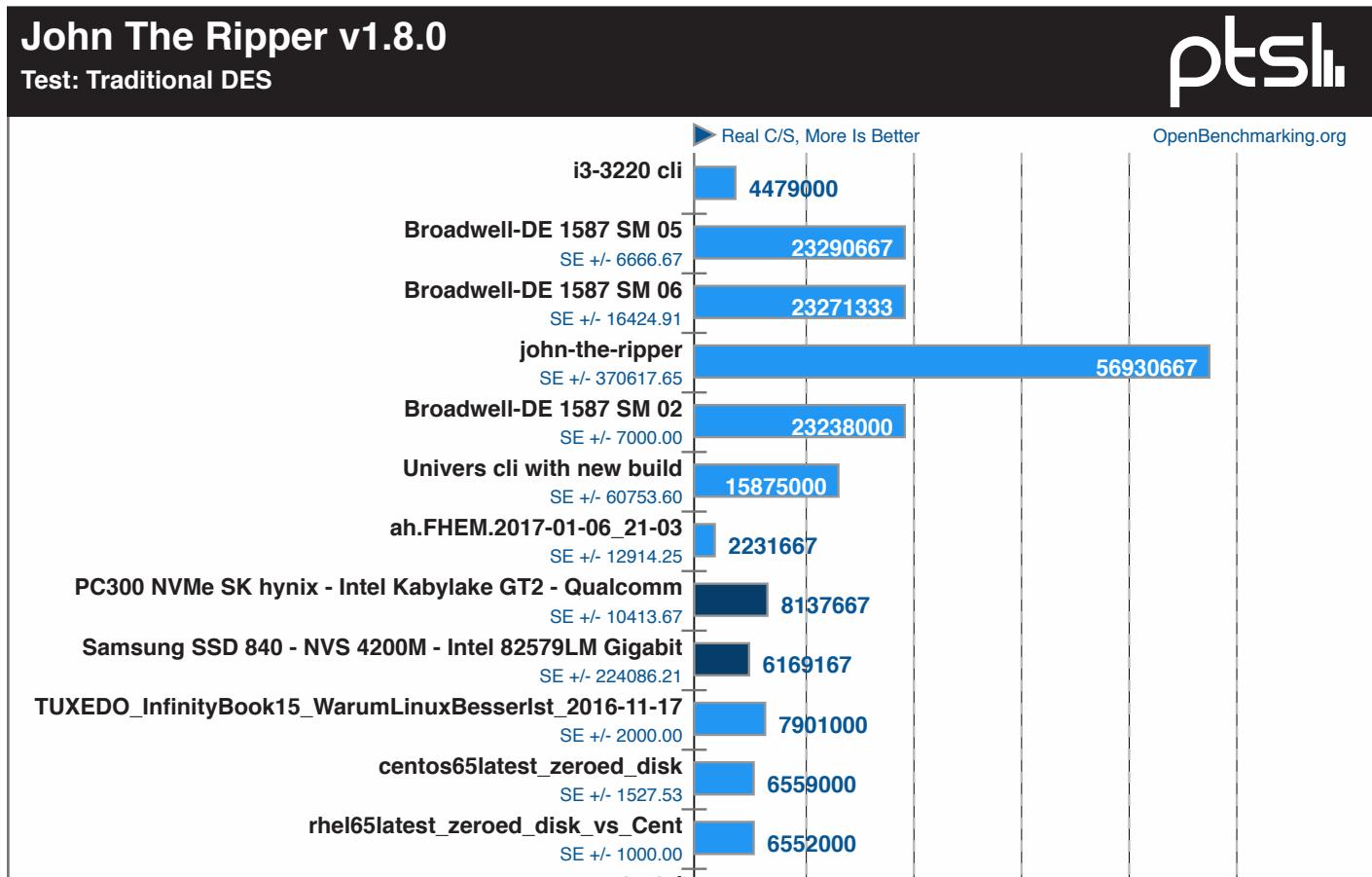
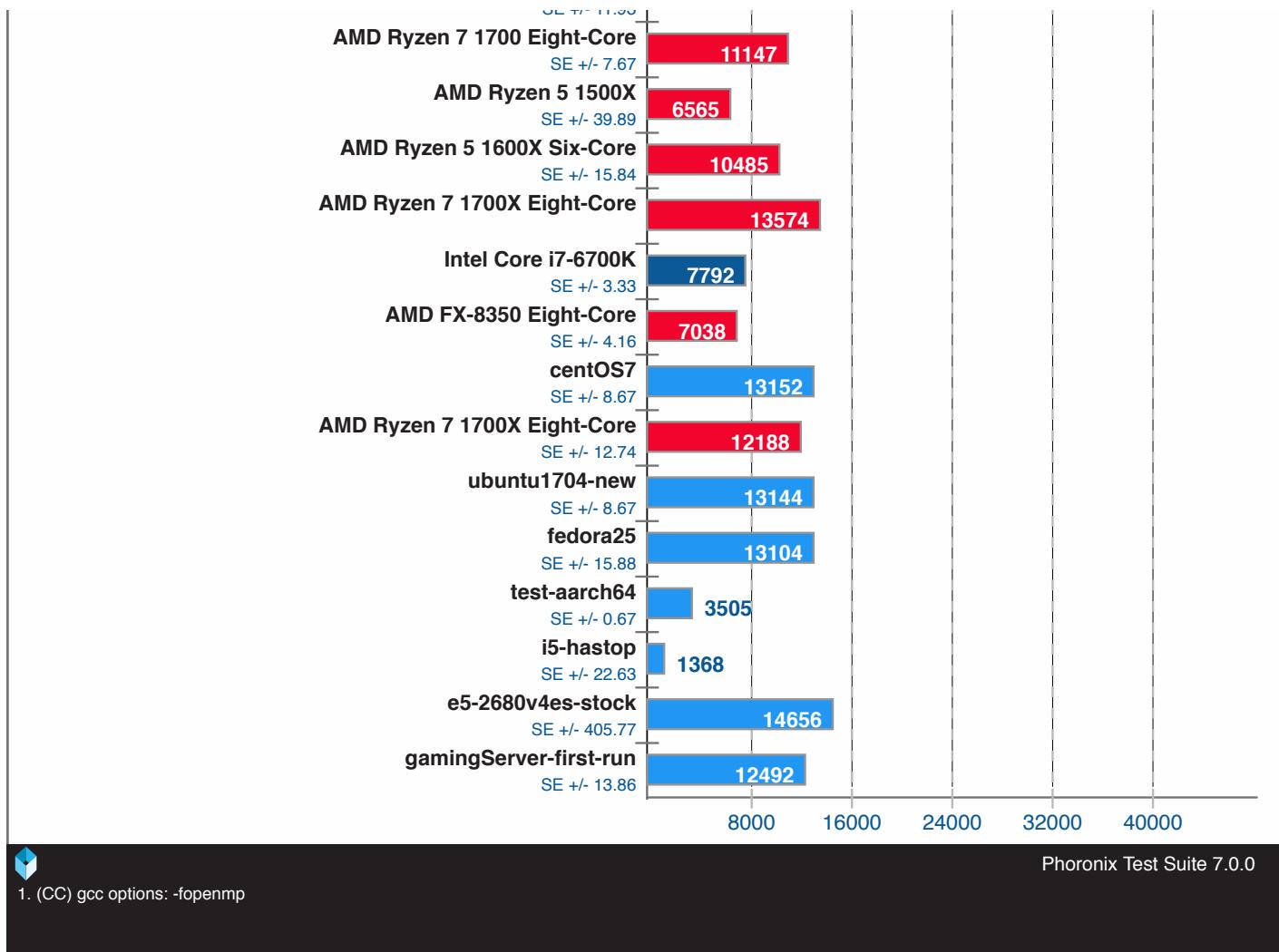
John The Ripper v1.8.0

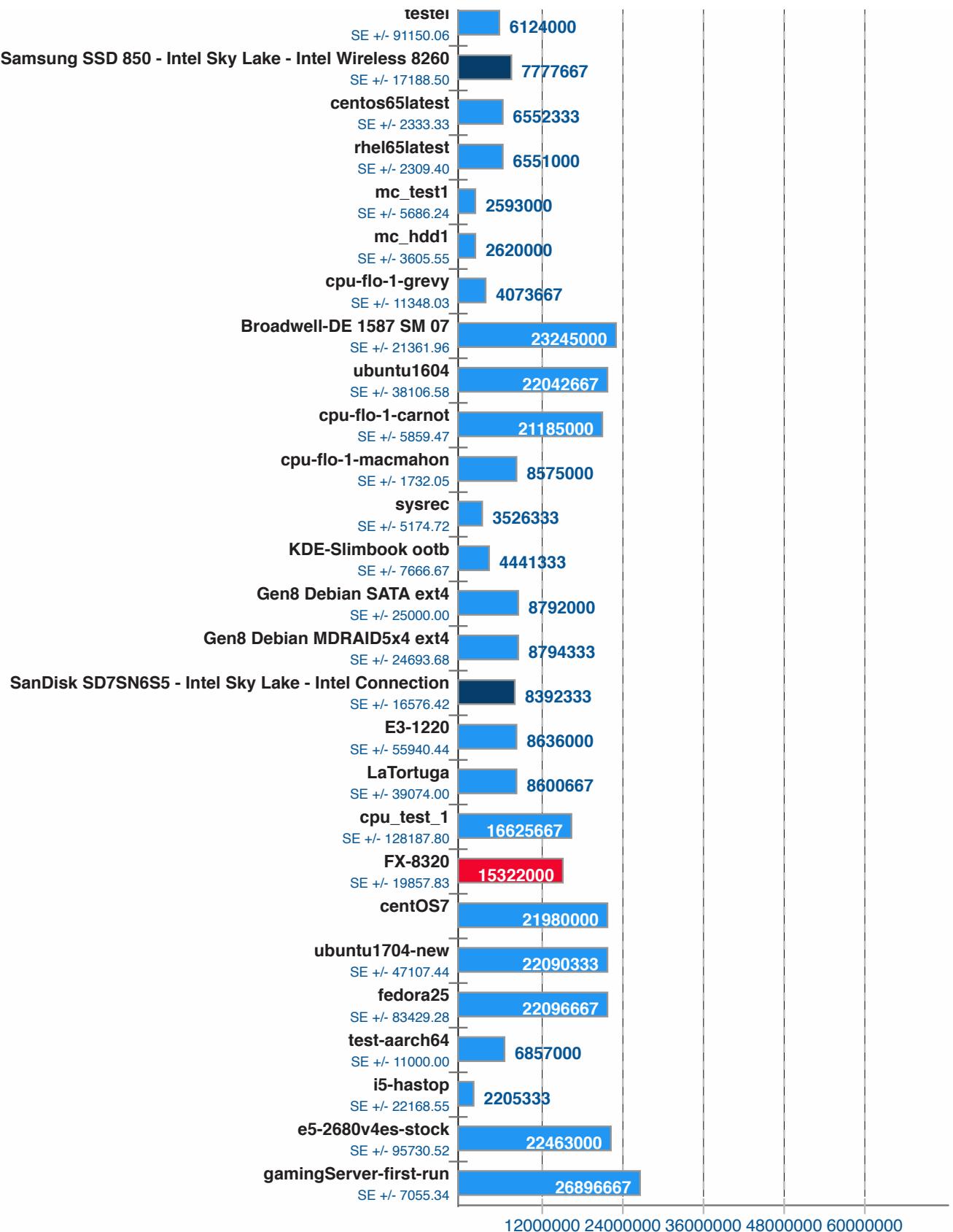
Test: Blowfish

ptsli









1. (CC) gcc options: -fopenmp

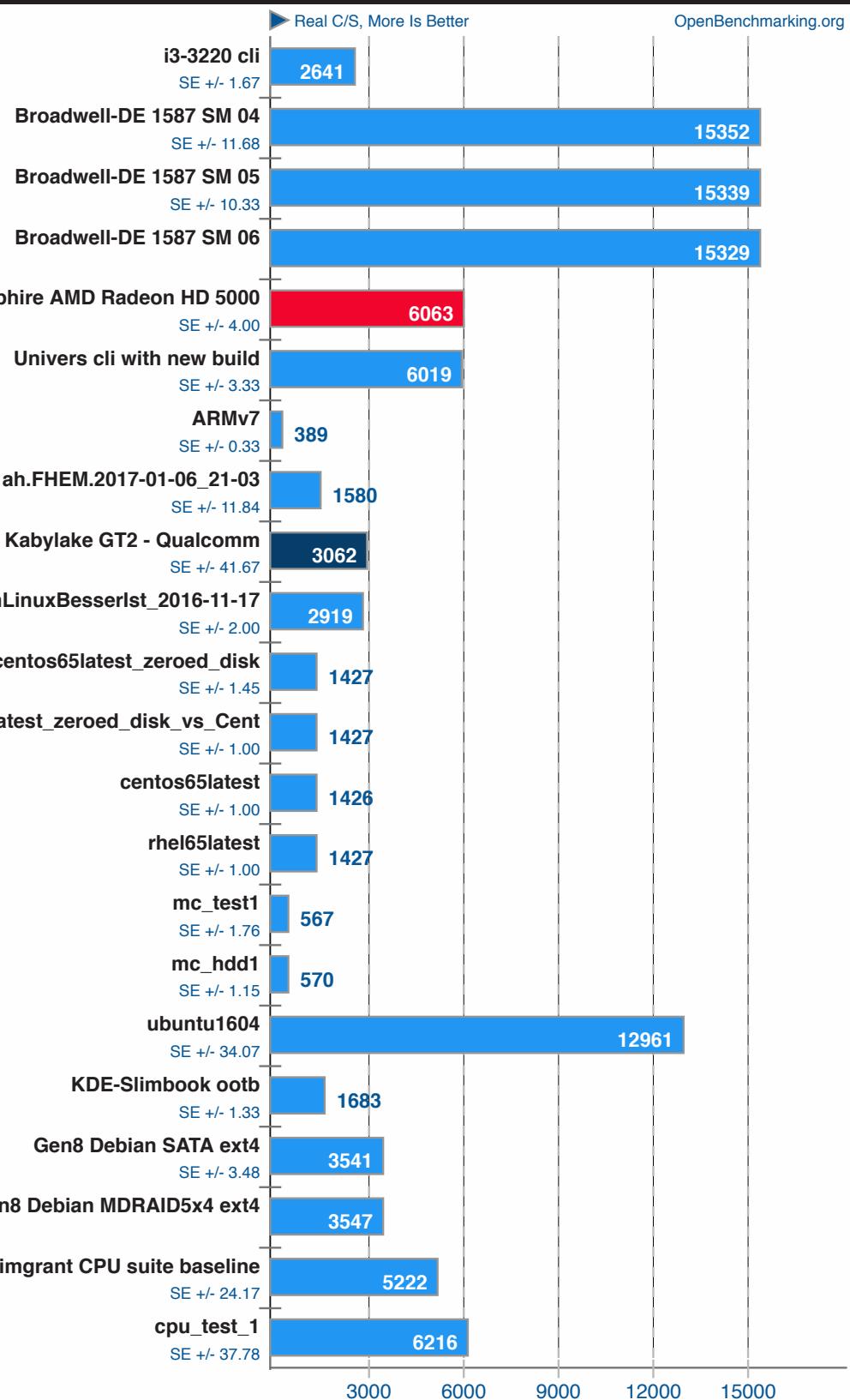
Phoronix Test Suite 7.0.0

John The Ripper v1.8.0

Blowfish

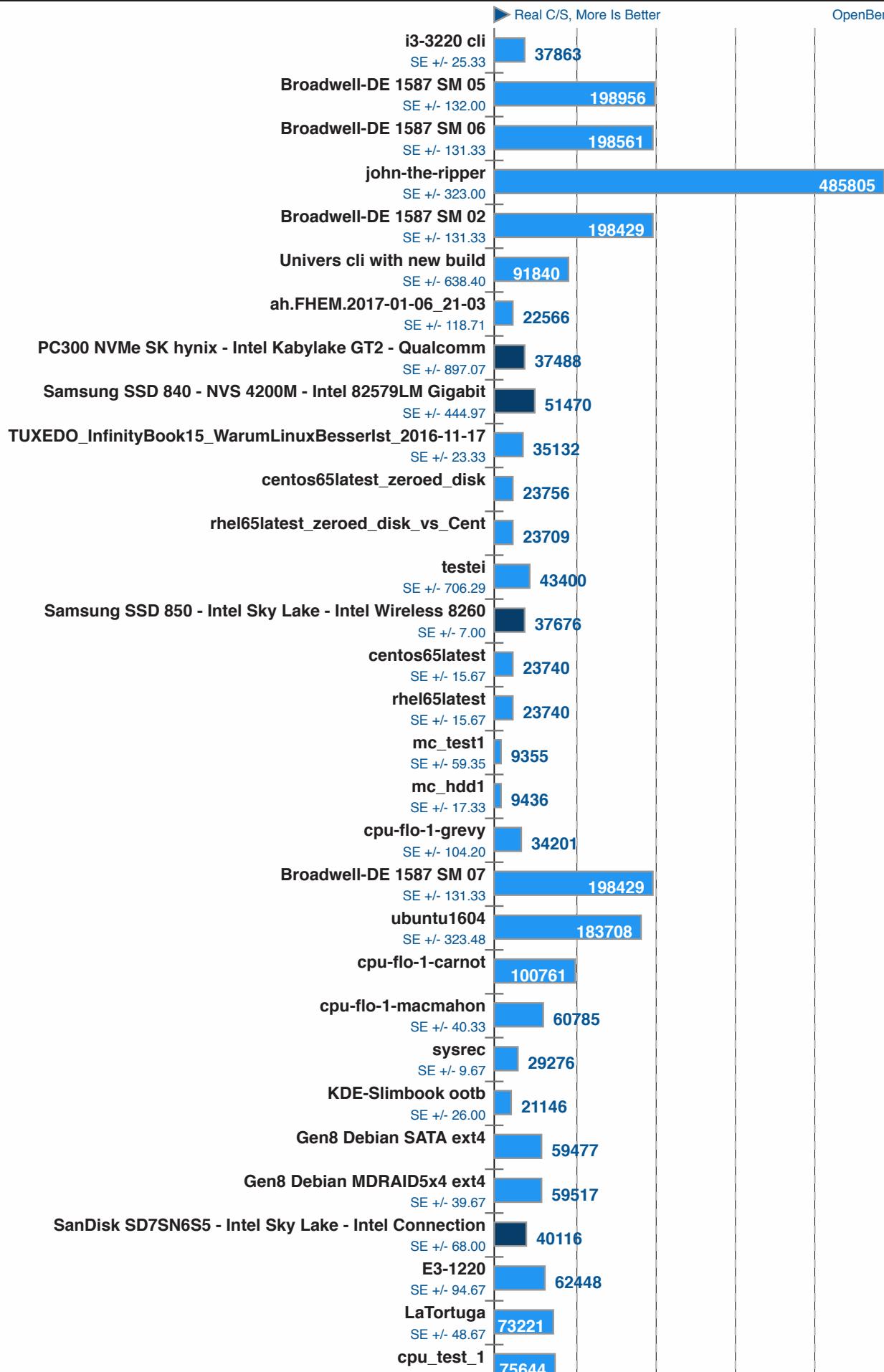
ptsli.

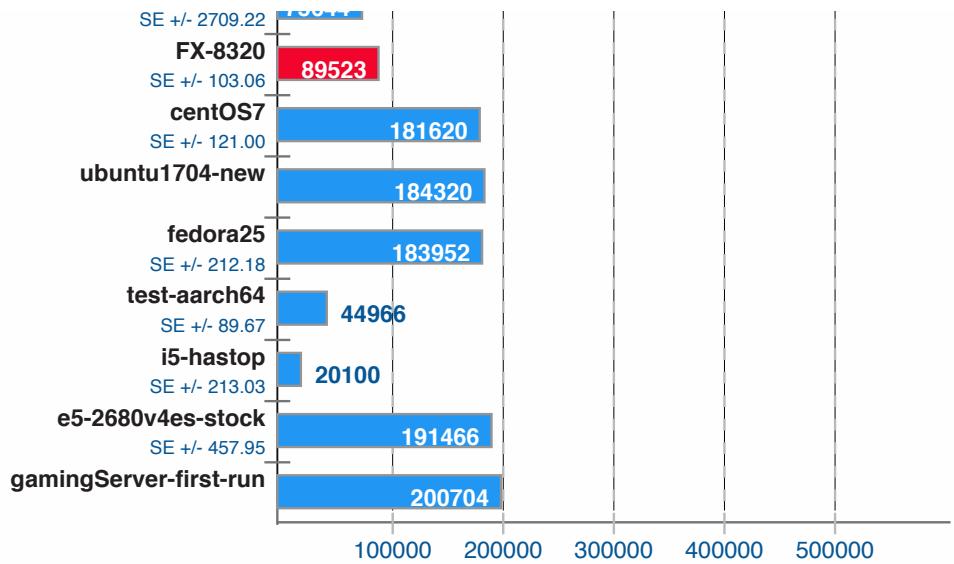
OpenBenchmarking.org



1. (CC) gcc options: -fopenmp

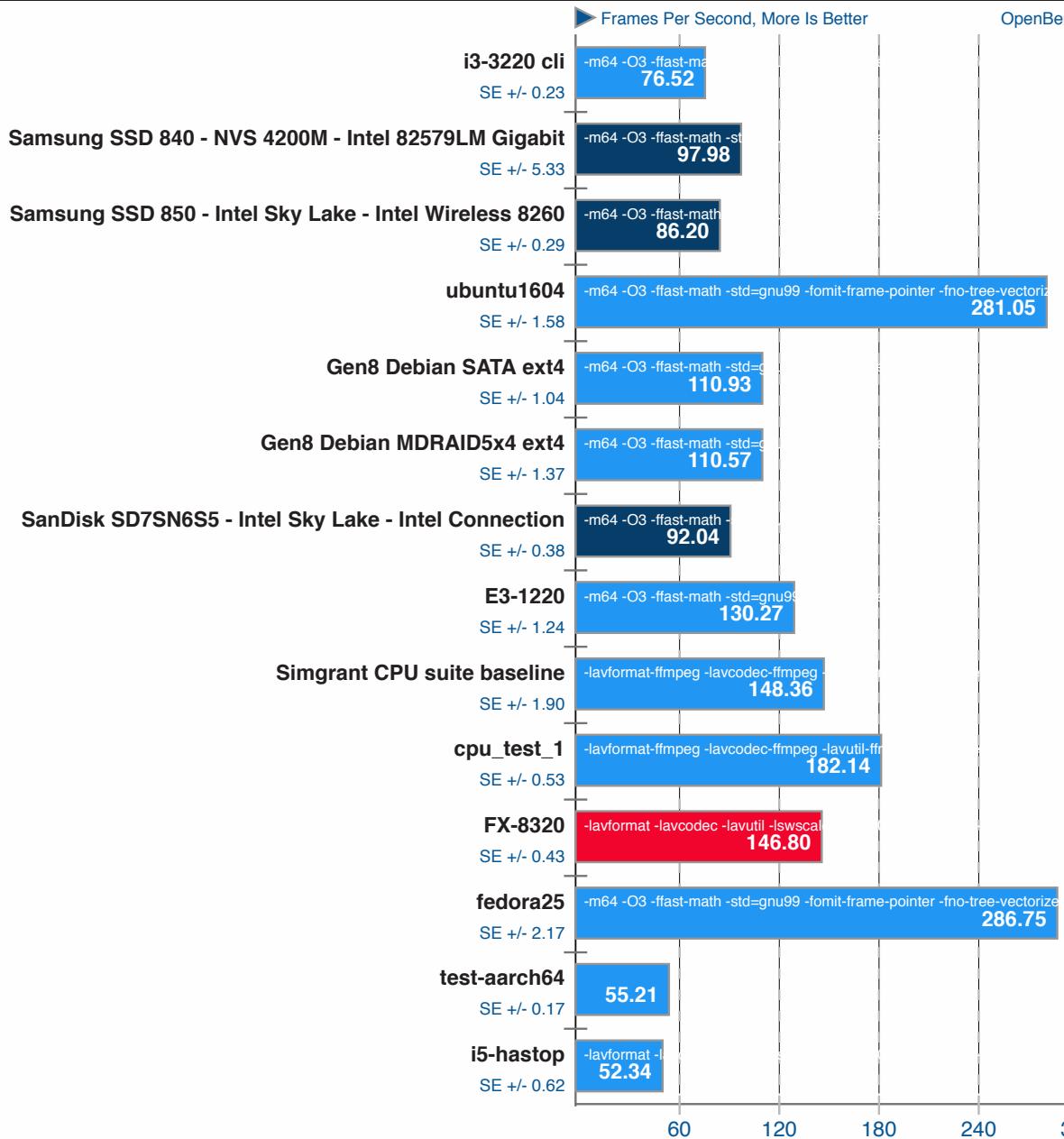
Phoronix Test Suite 7.0.0





1. (CC) gcc options: -fopenmp

Phoronix Test Suite 7.0.0



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

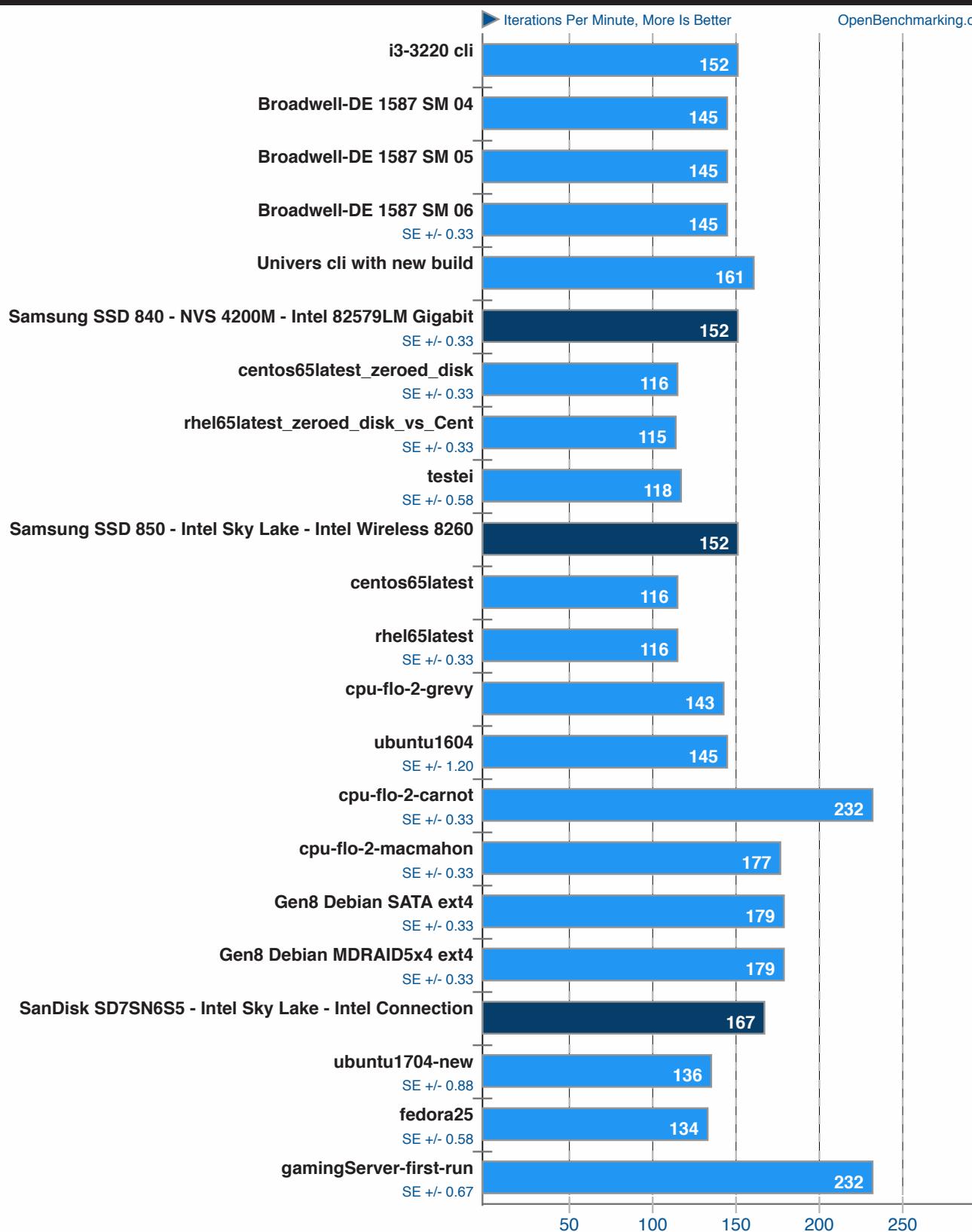
Phoronix Test Suite 7.0.0

GraphicsMagick v1.3.19

Operation: HWB Color Space

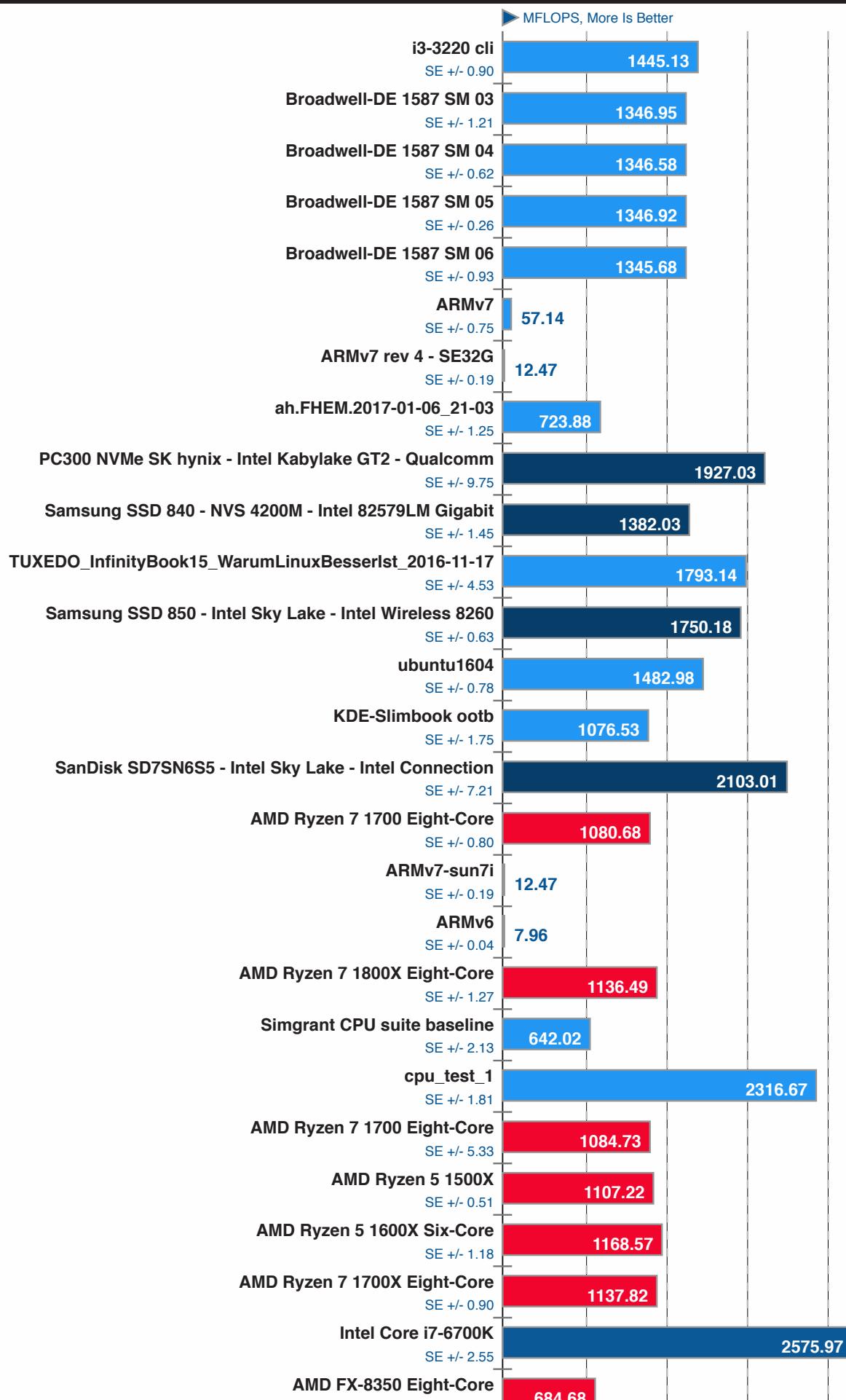


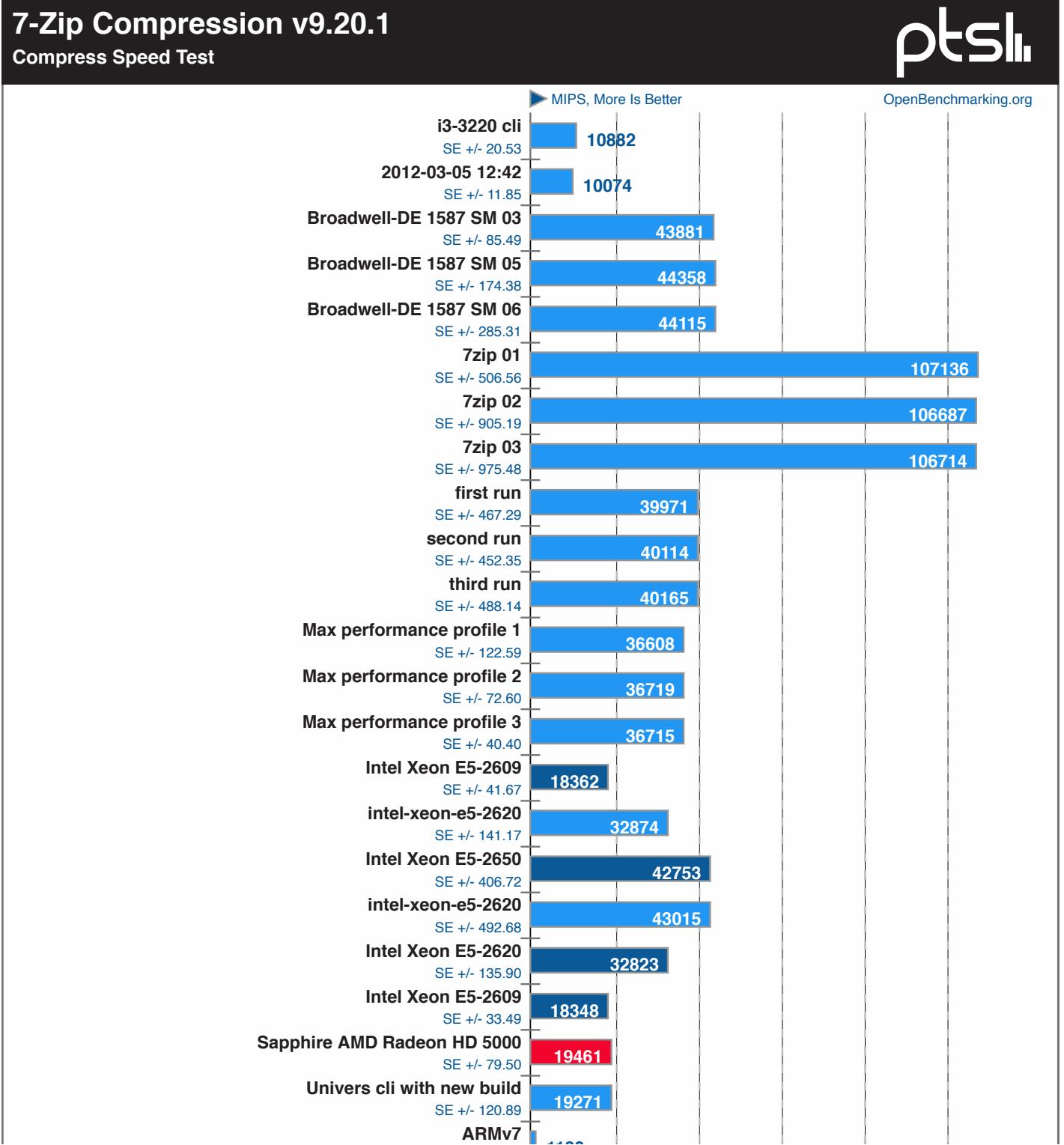
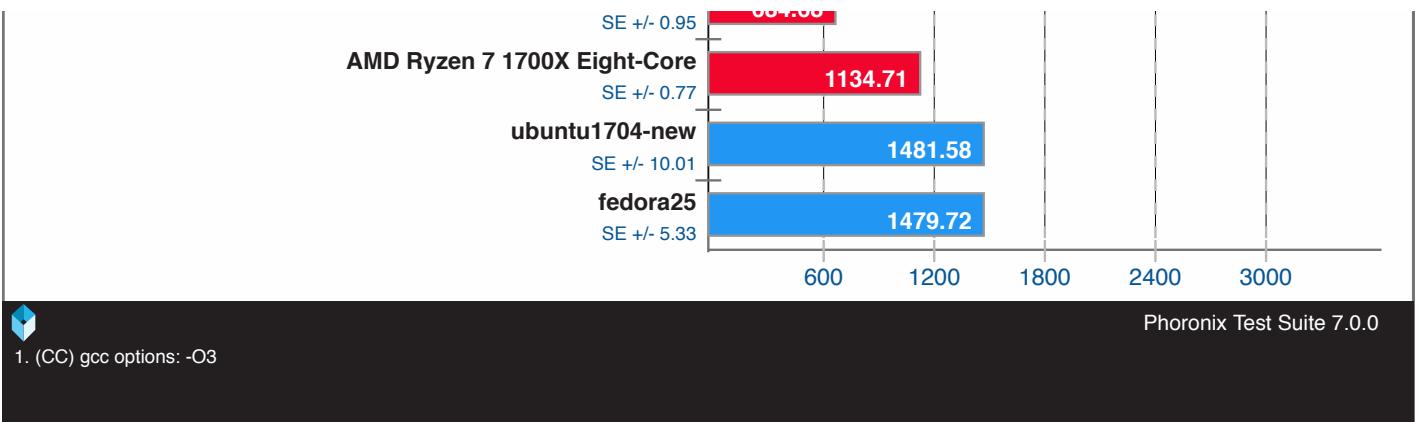
OpenBenchmarking.org

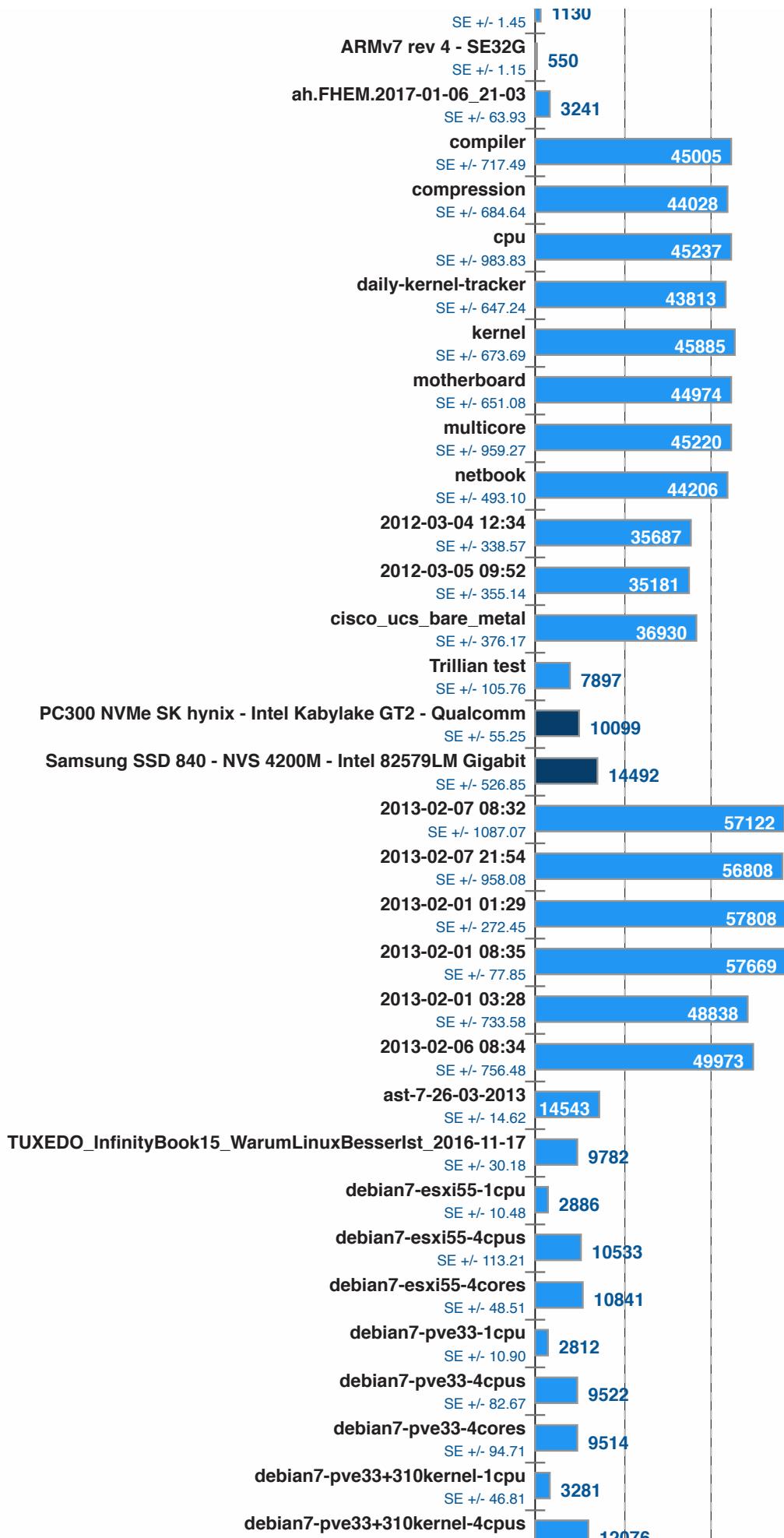


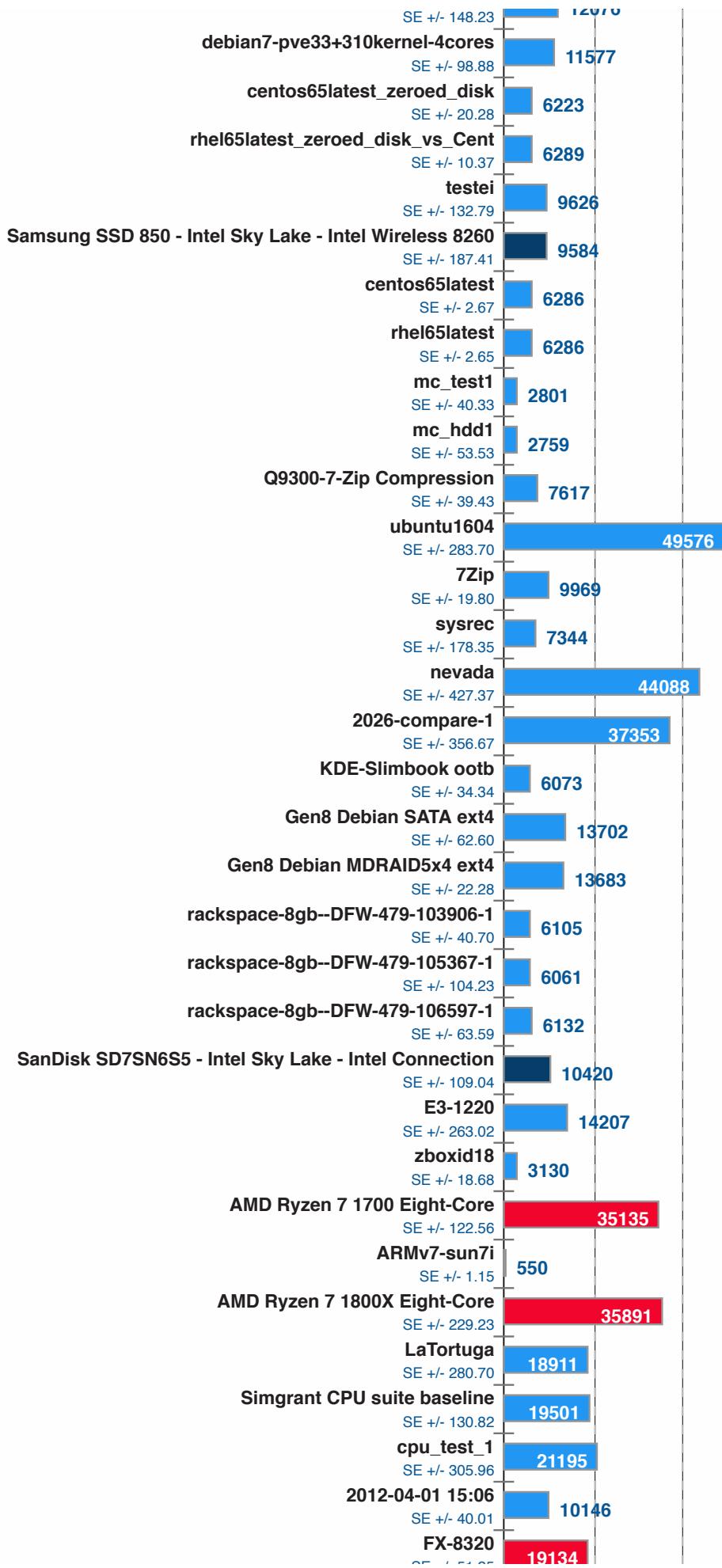
Phoronix Test Suite 7.0.0

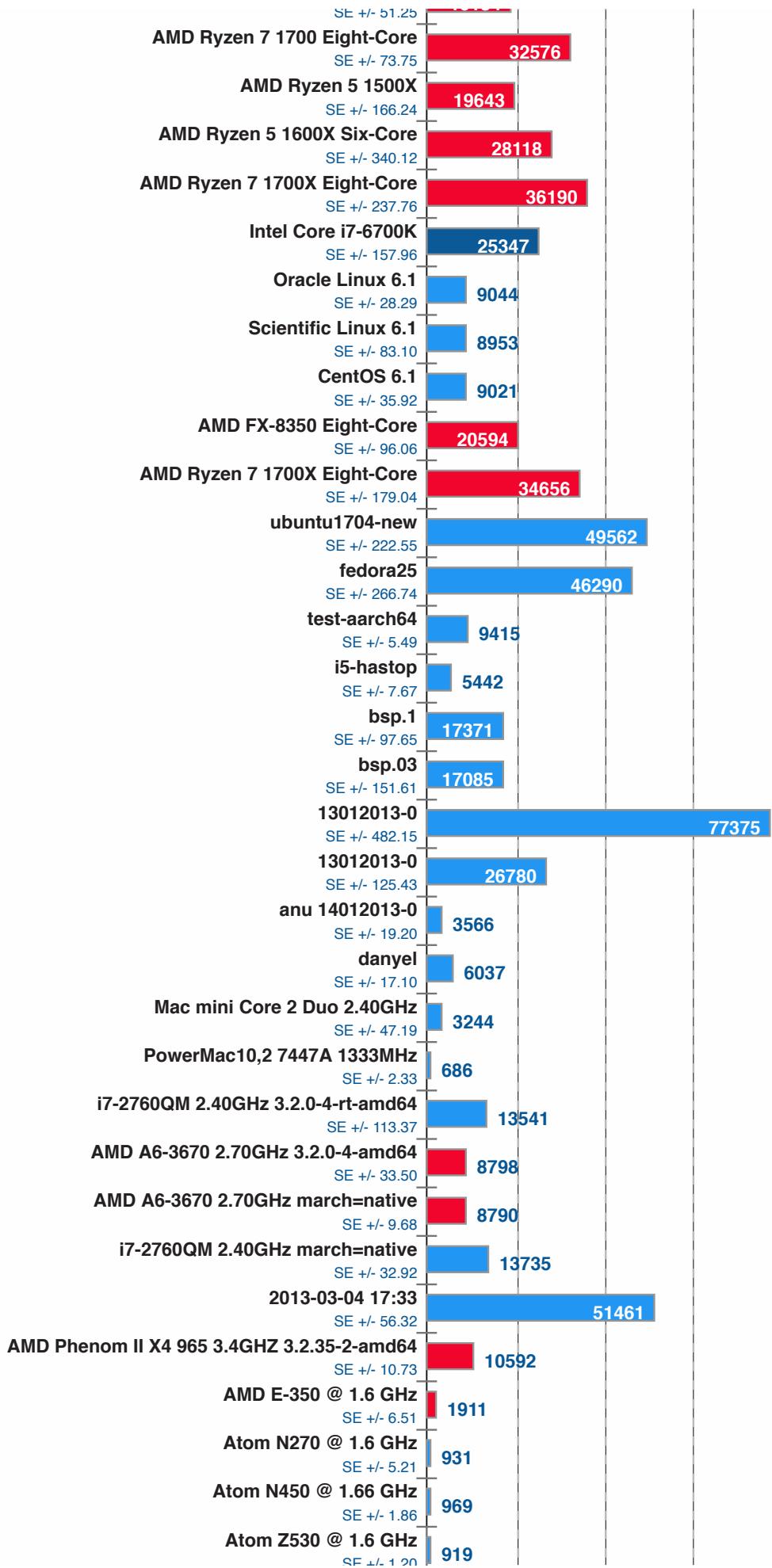
1. (CC) gcc options: -fopenmp -O2 -pthread -lz -lm -lgomp -lpthread











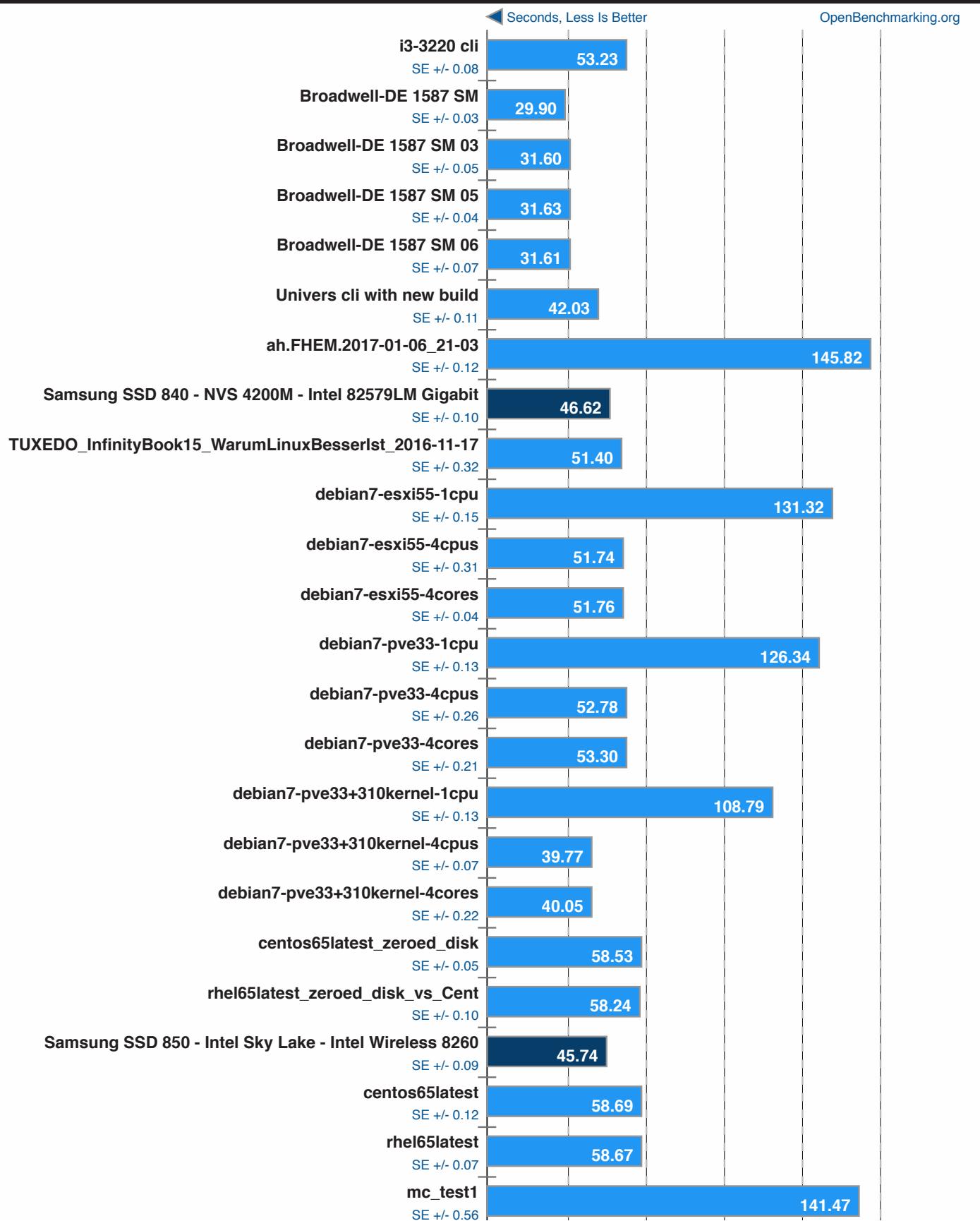


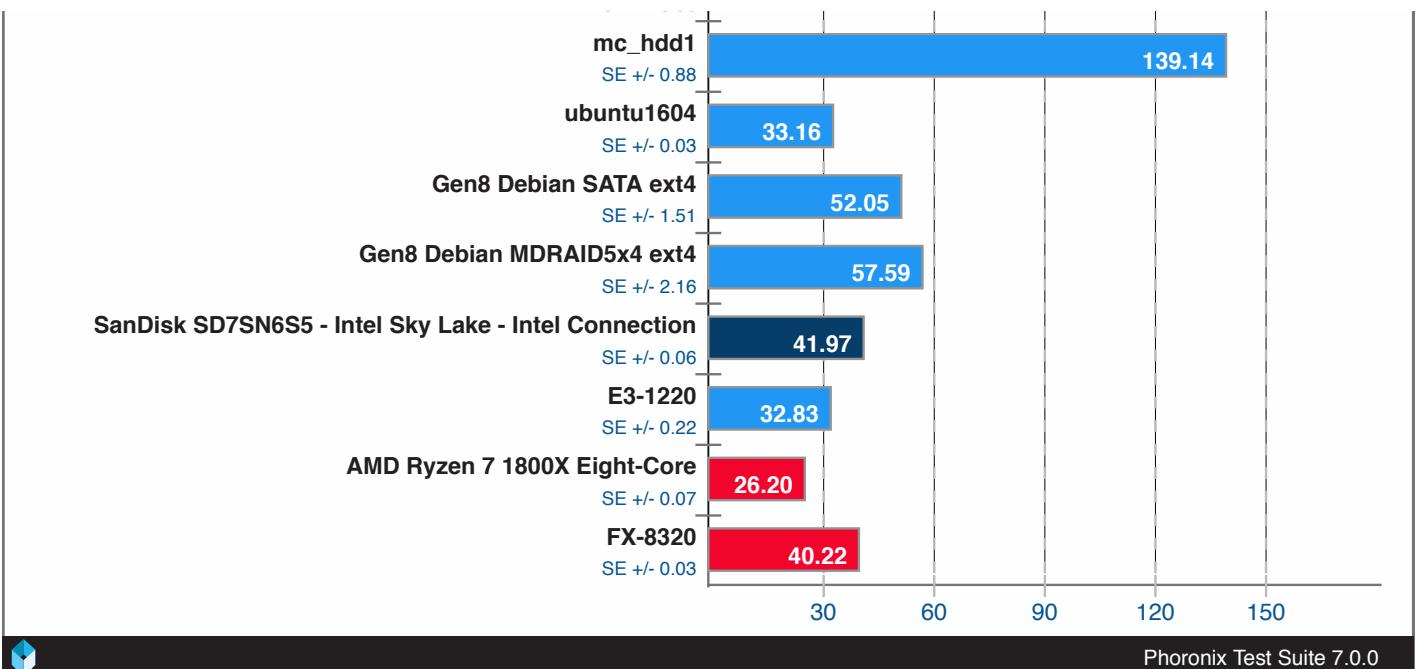
Timed Apache Compilation v2.4.7

Time To Compile

ptsli

OpenBenchmarking.org





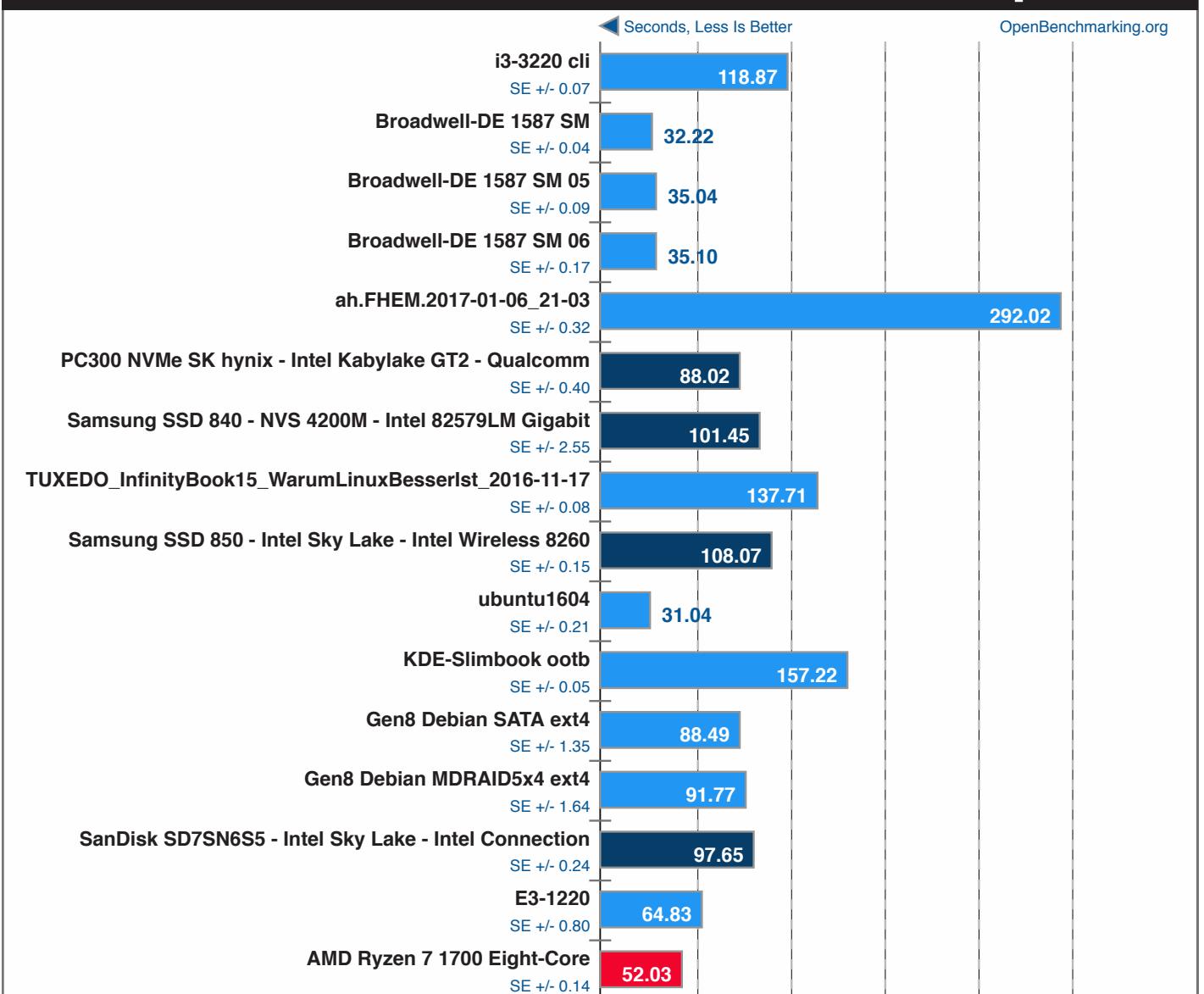
Phoronix Test Suite 7.0.0

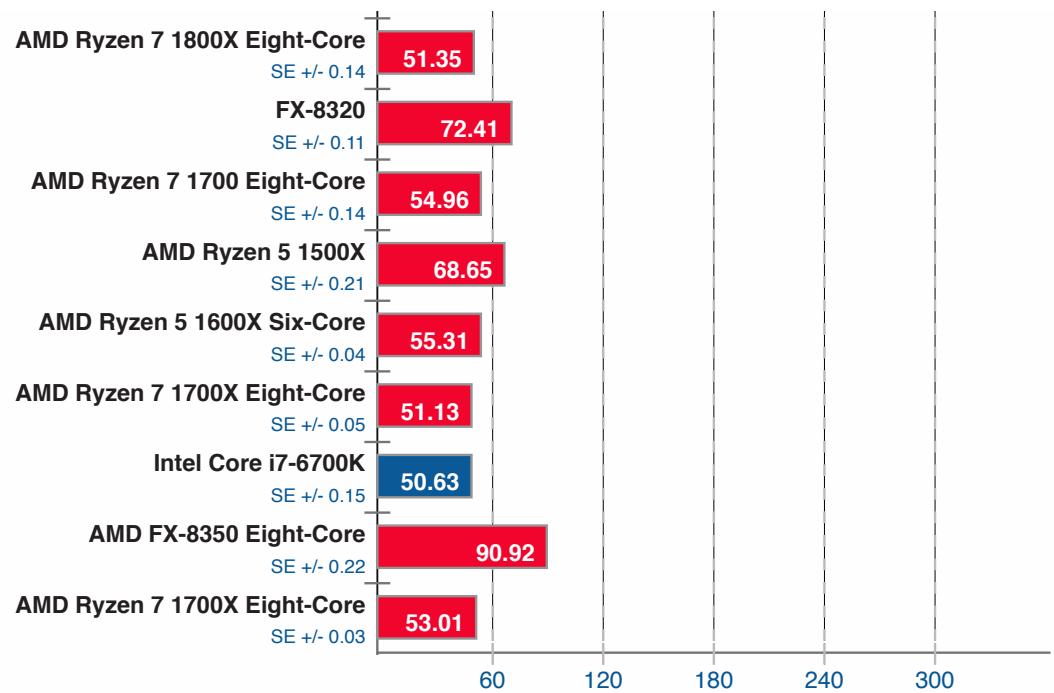
Timed ImageMagick Compilation v6.9.0

Time To Compile

ptsli

OpenBenchmarking.org





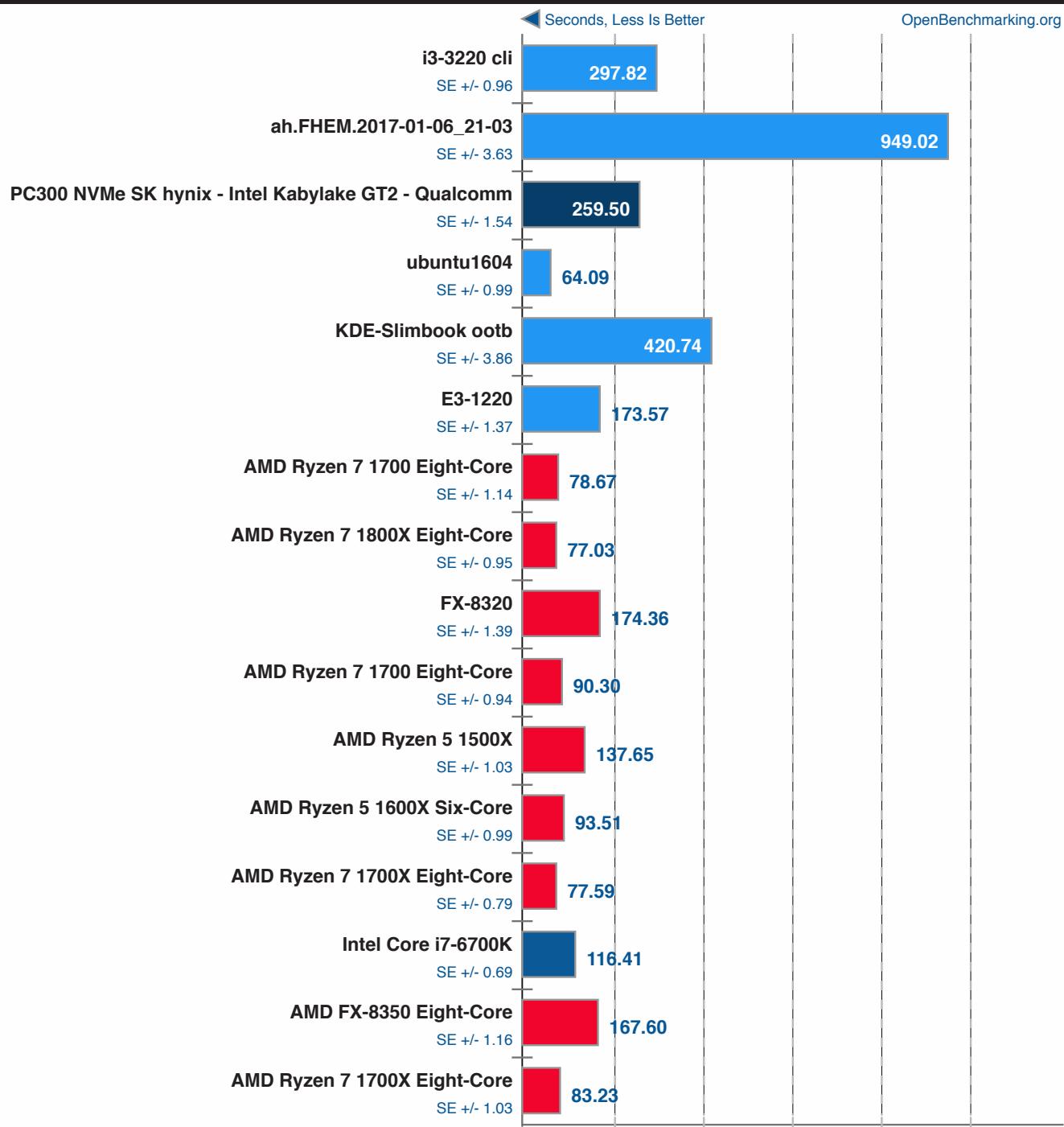
Phoronix Test Suite 7.0.0

Timed Linux Kernel Compilation v4.9

Time To Compile



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

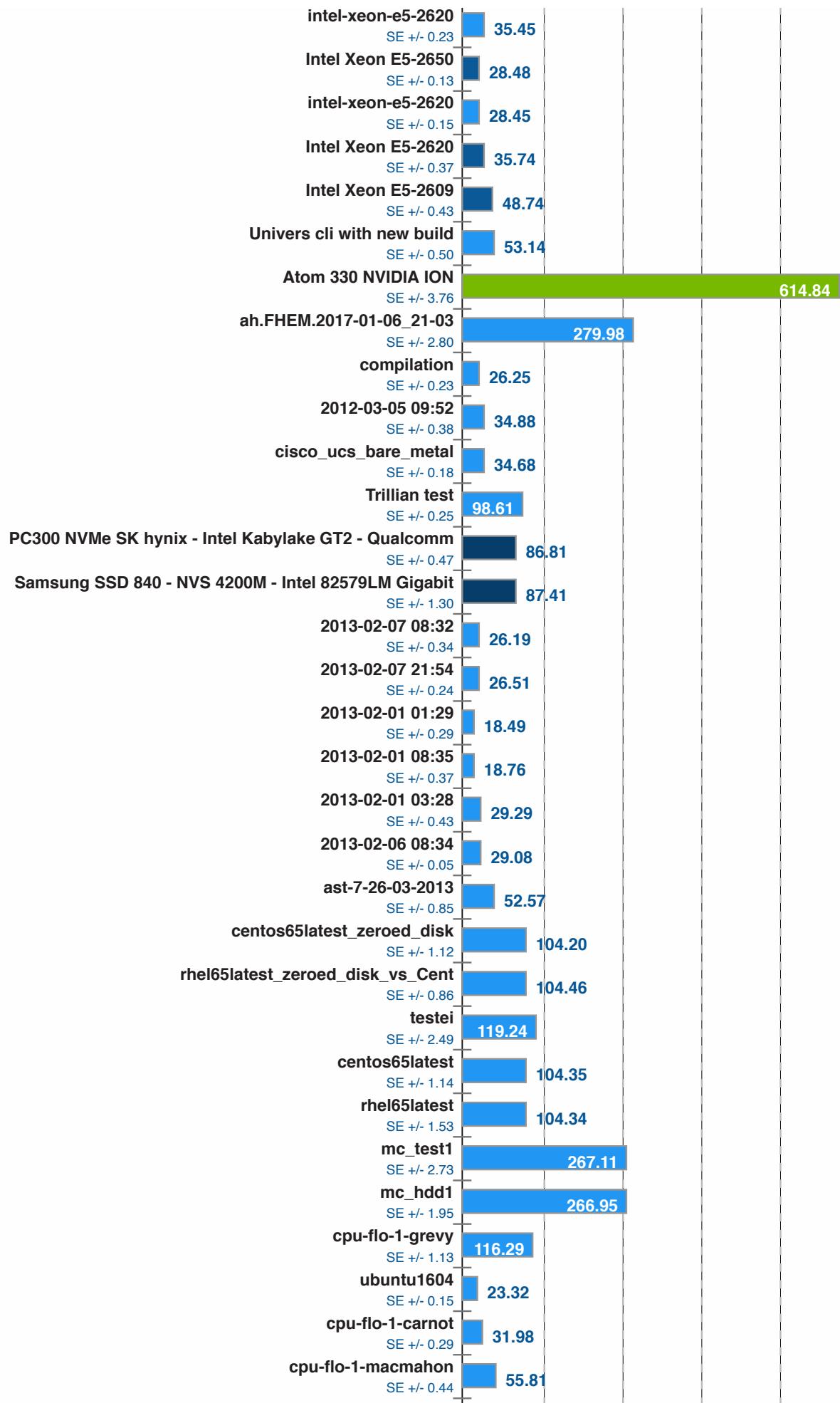
Timed MPlayer Compilation v1.0-rc3

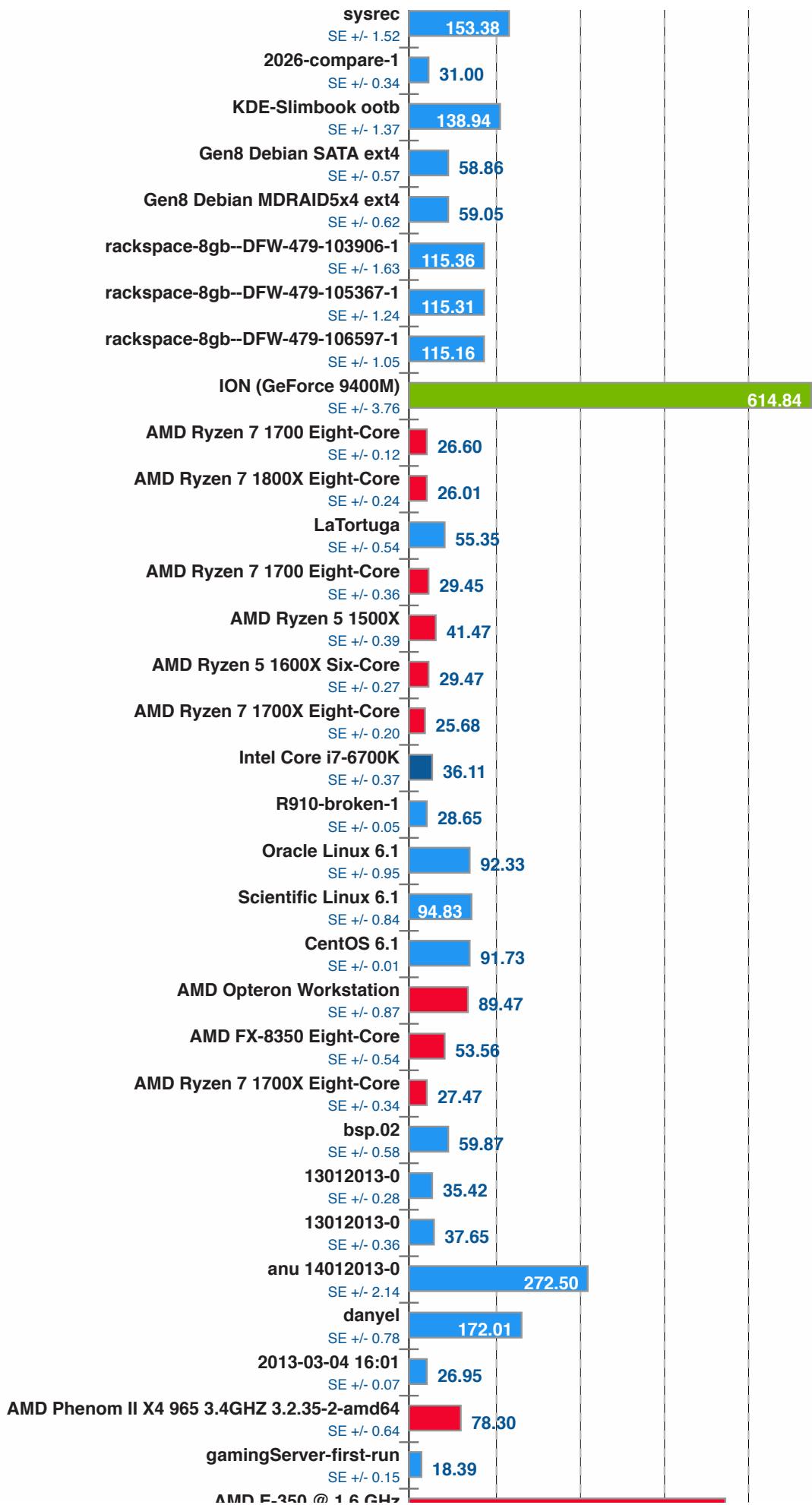
Time To Compile

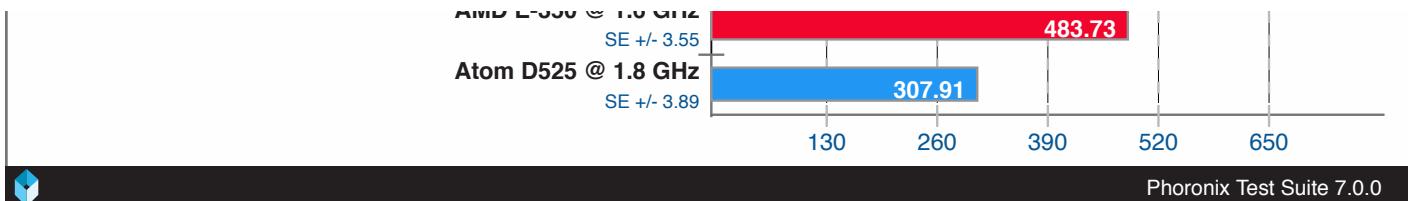


OpenBenchmarking.org







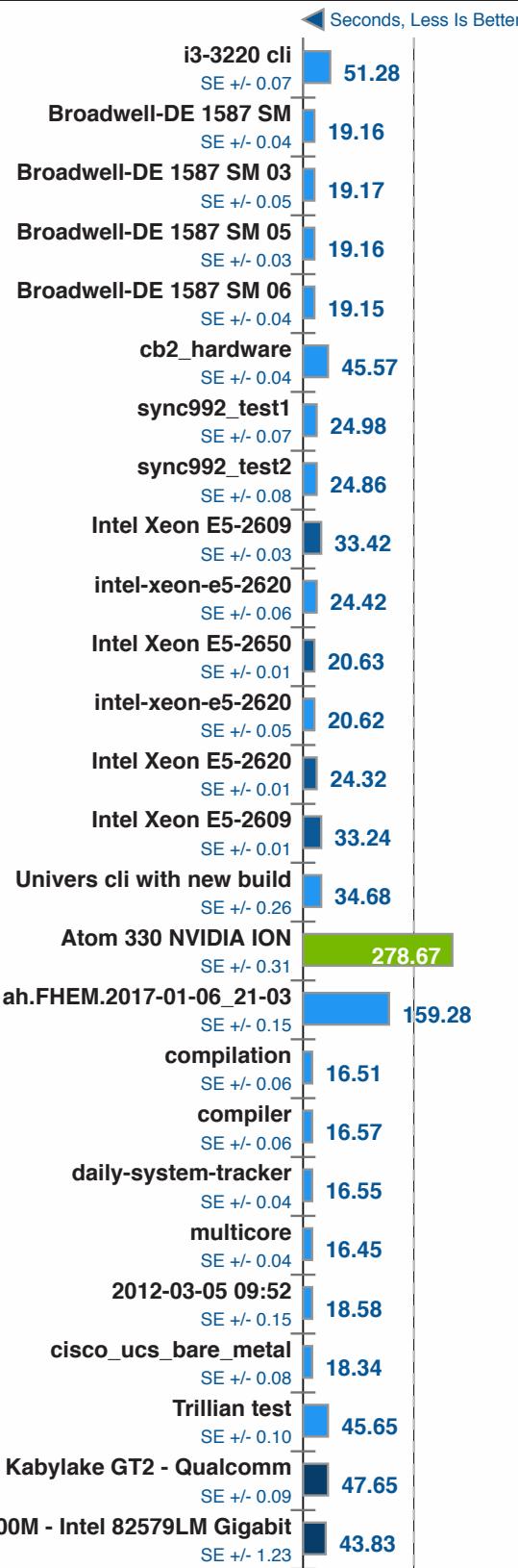


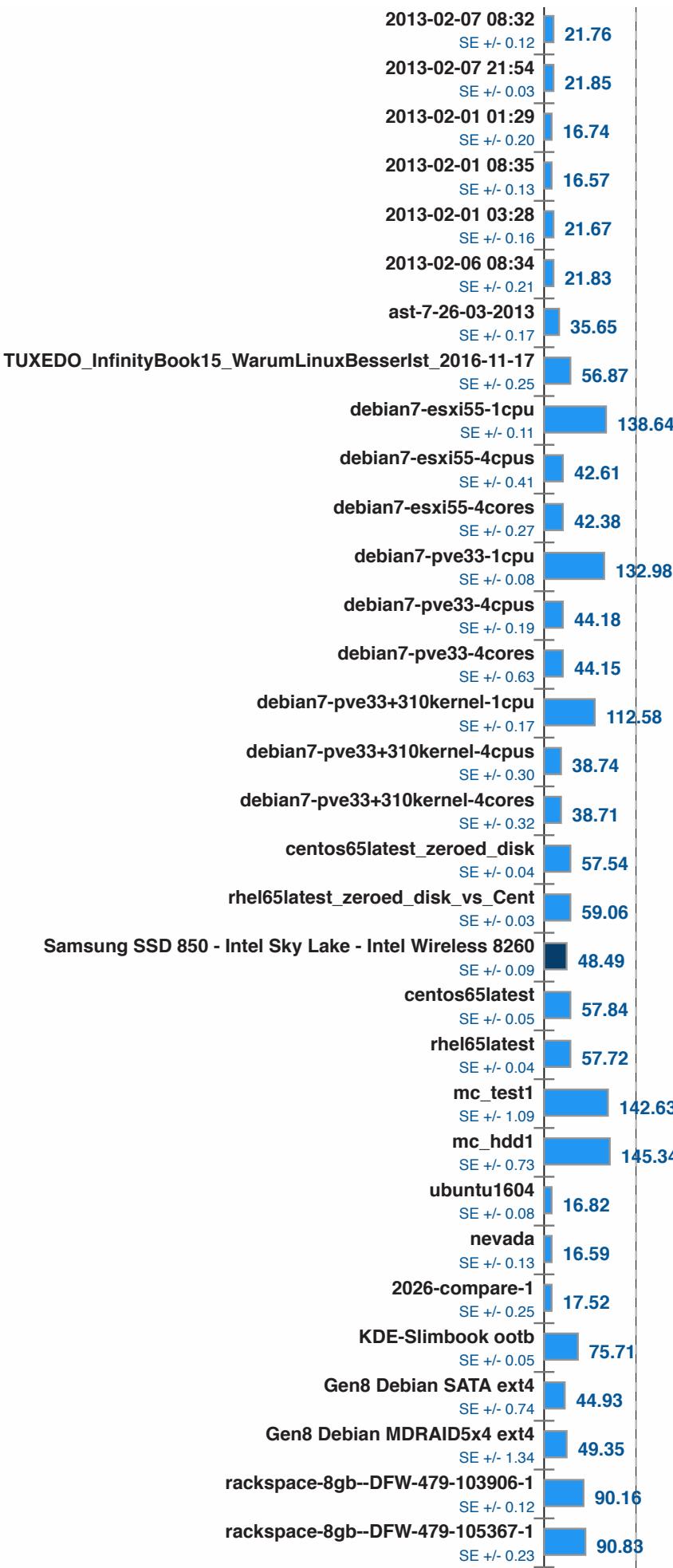
Timed PHP Compilation v5.2.9

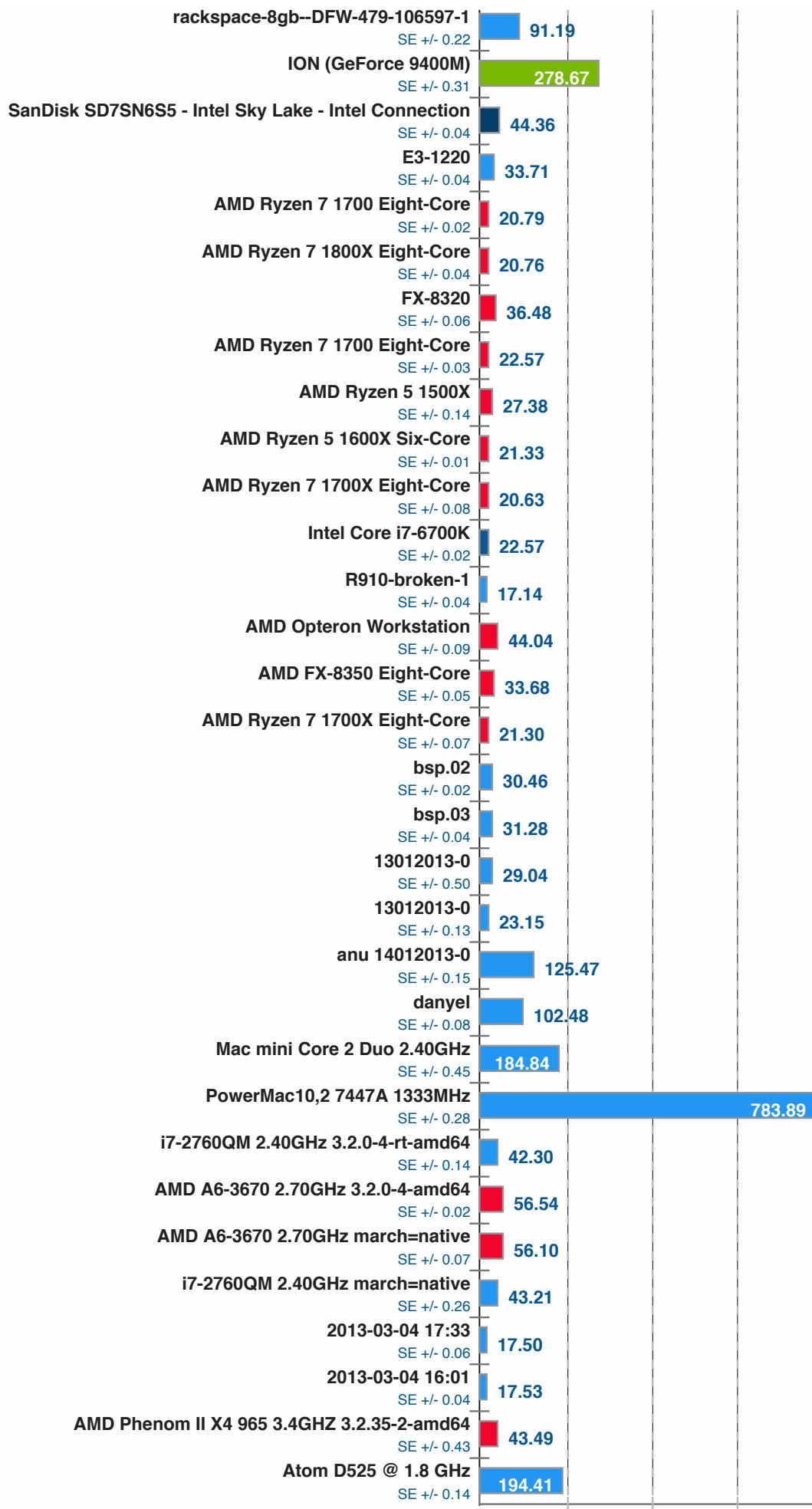
Time To Compile



OpenBenchmarking.org





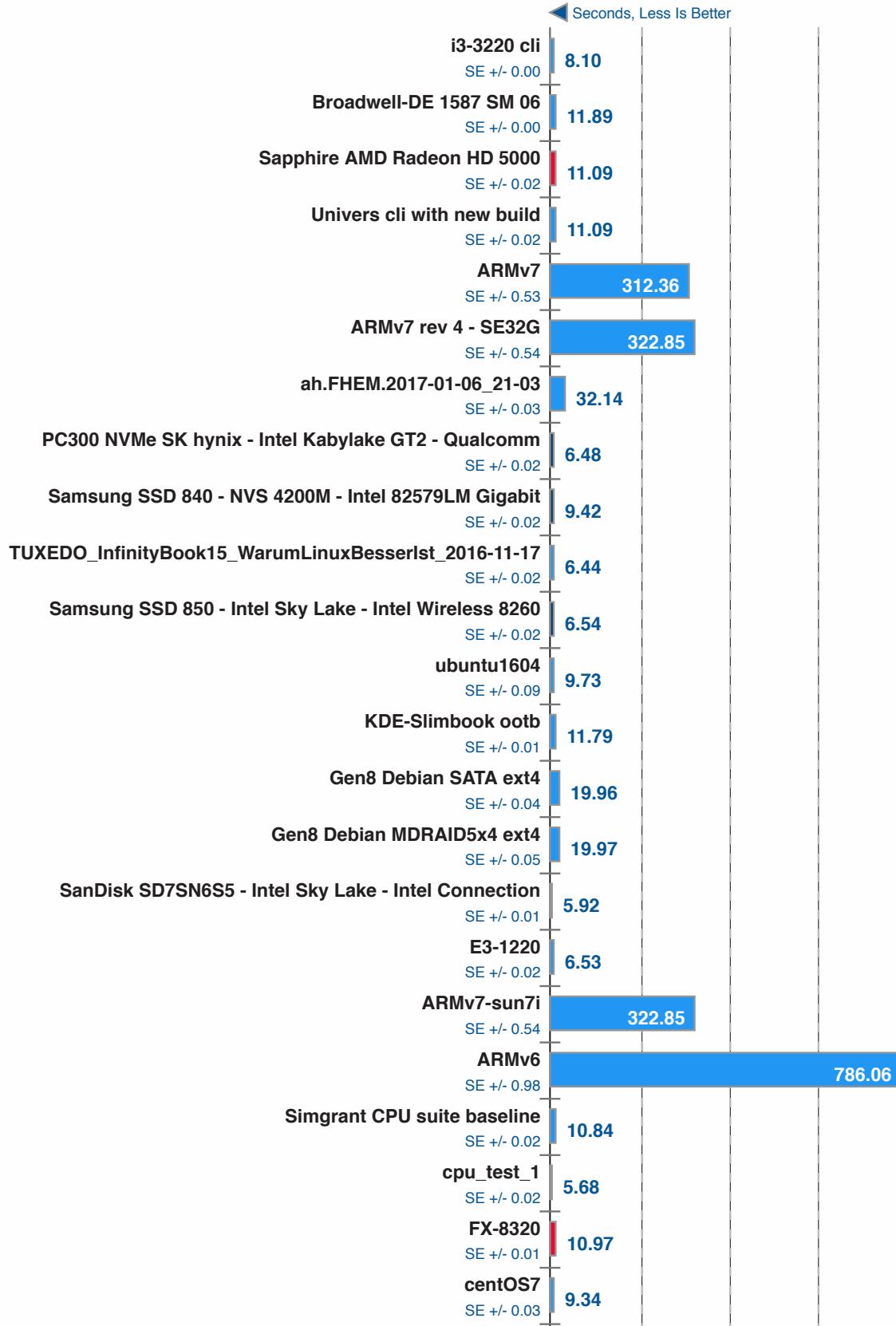


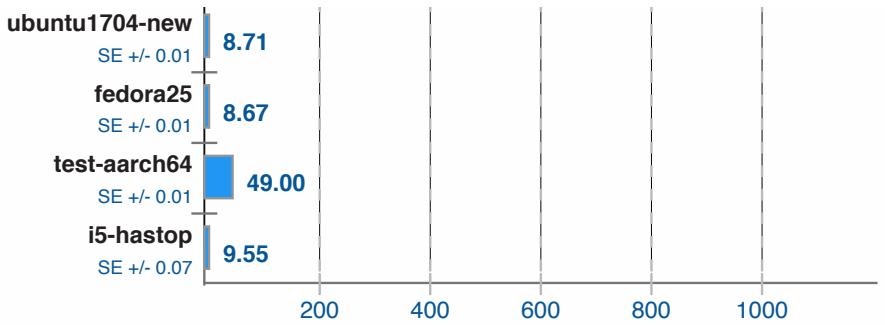


FLAC Audio Encoding v1.3.1

WAV To FLAC

OpenBenchmarking.org





1. (CXX) g++ options: -O2 -fvisibility=hidden -fno-rtti

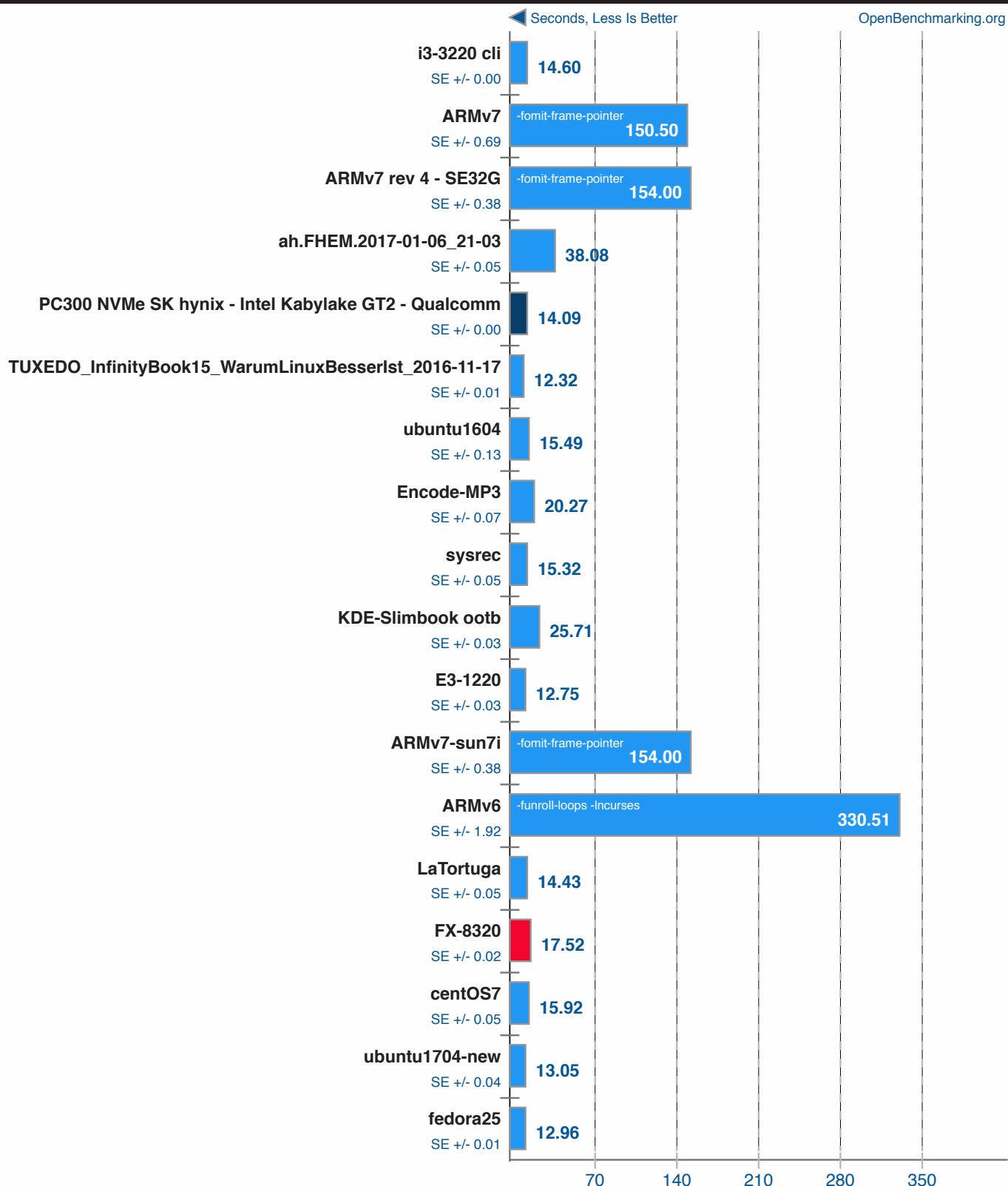
Phoronix Test Suite 7.0.0

LAME MP3 Encoding v3.99.3

WAV To MP3



OpenBenchmarking.org



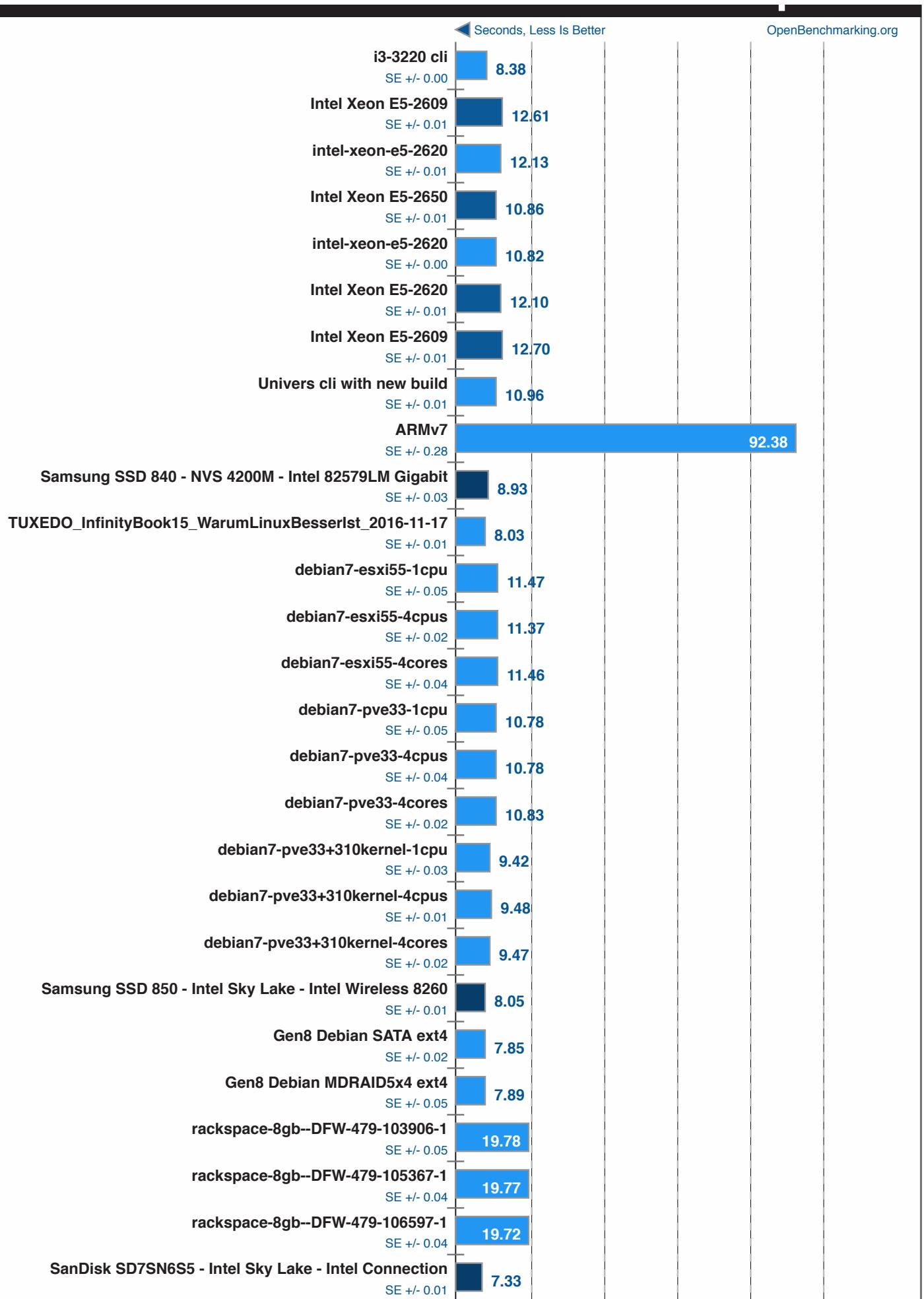
Phoronix Test Suite 7.0.0

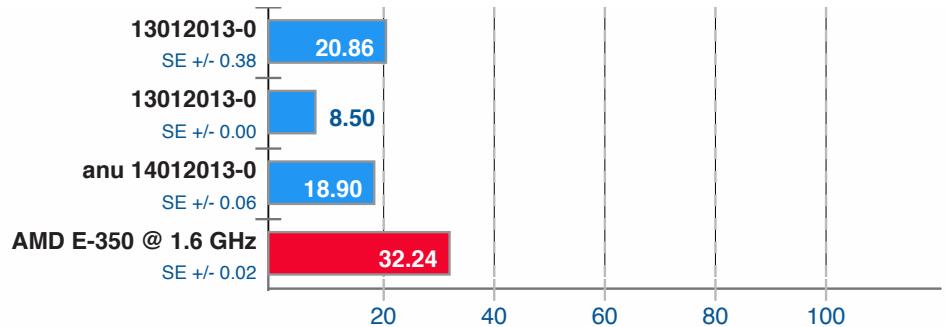
1. (CC) gcc options: -O3 -ffast-math -fschedule-insns2 -fbranch-count-reg -fforce-addr -pipe -lm

Ogg Encoding v1.3.0

WAV To Ogg







Phoronix Test Suite 7.0.0

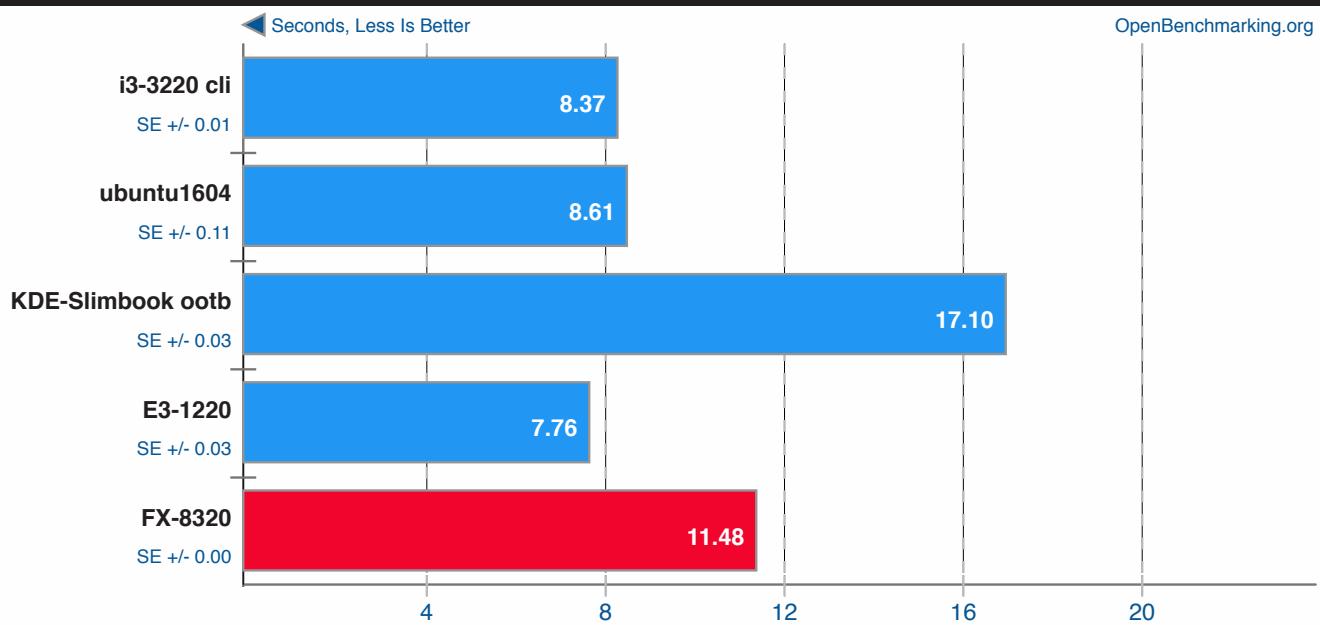
1. (CC) gcc options: -O2 -ffast-math -fsigned-char

WavPack Audio Encoding v5.1

WAV To WavPack



OpenBenchmarking.org



1. (CC) gcc options: -O2 -lm

Phoronix Test Suite 7.0.0

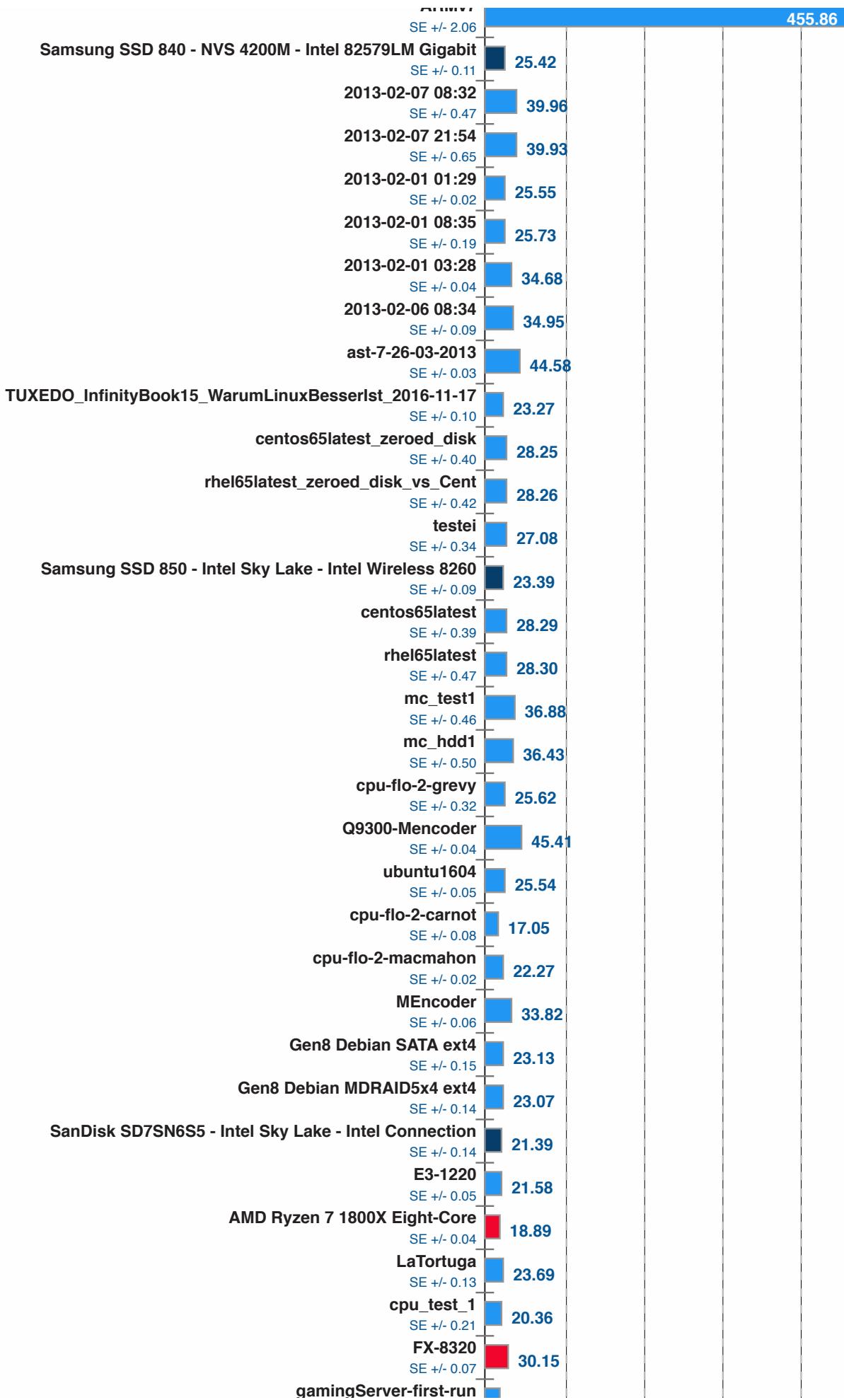
Mencoder v1.1

AVI To LAVC



OpenBenchmarking.org







1. (CC) gcc options: -lm -ffast-math -lz -ldl -lpthread -rdynamic

Phoronix Test Suite 7.0.0

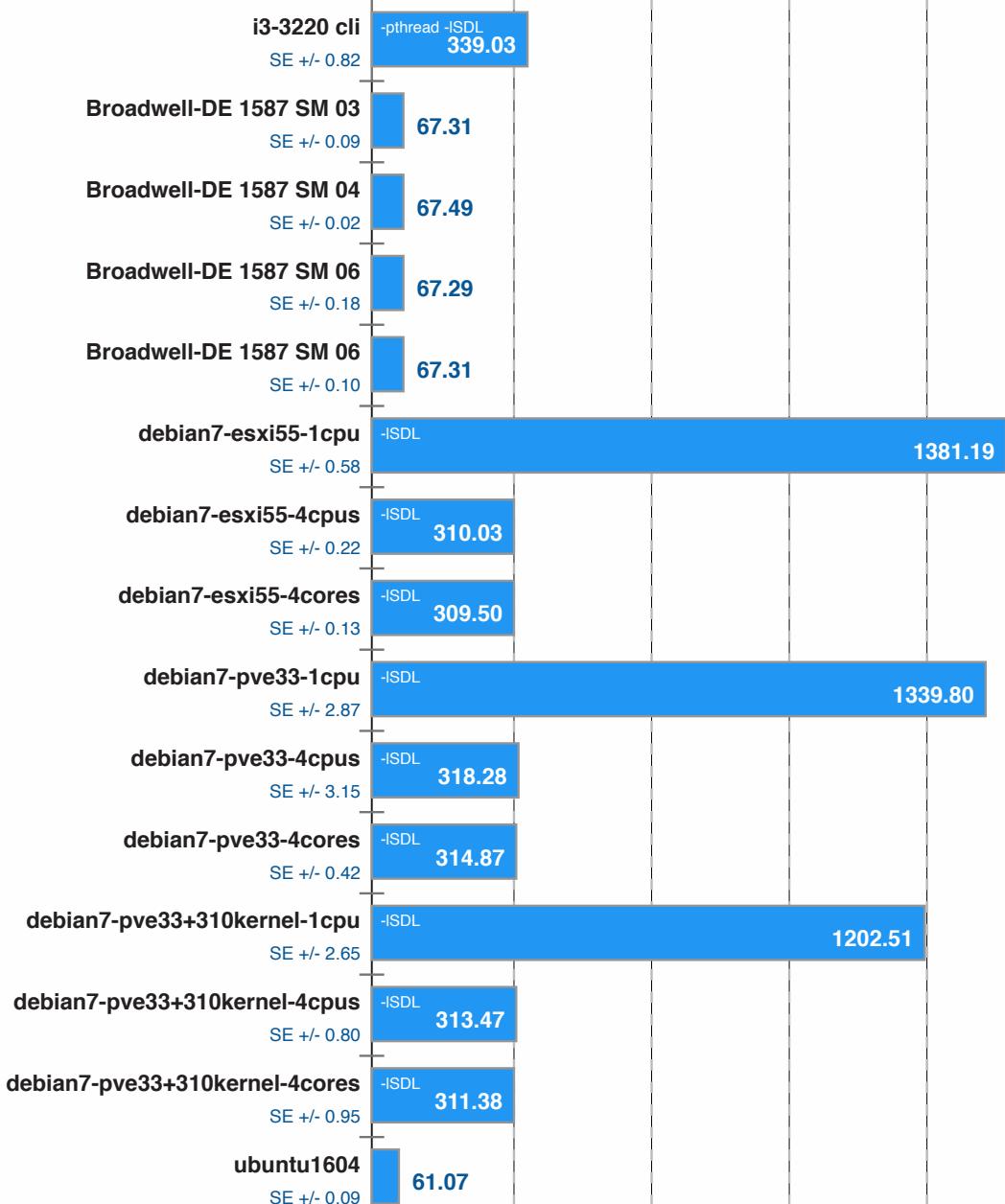
POV-Ray v3.7.0

Total Time

ptsli

OpenBenchmarking.org

Seconds, Less Is Better



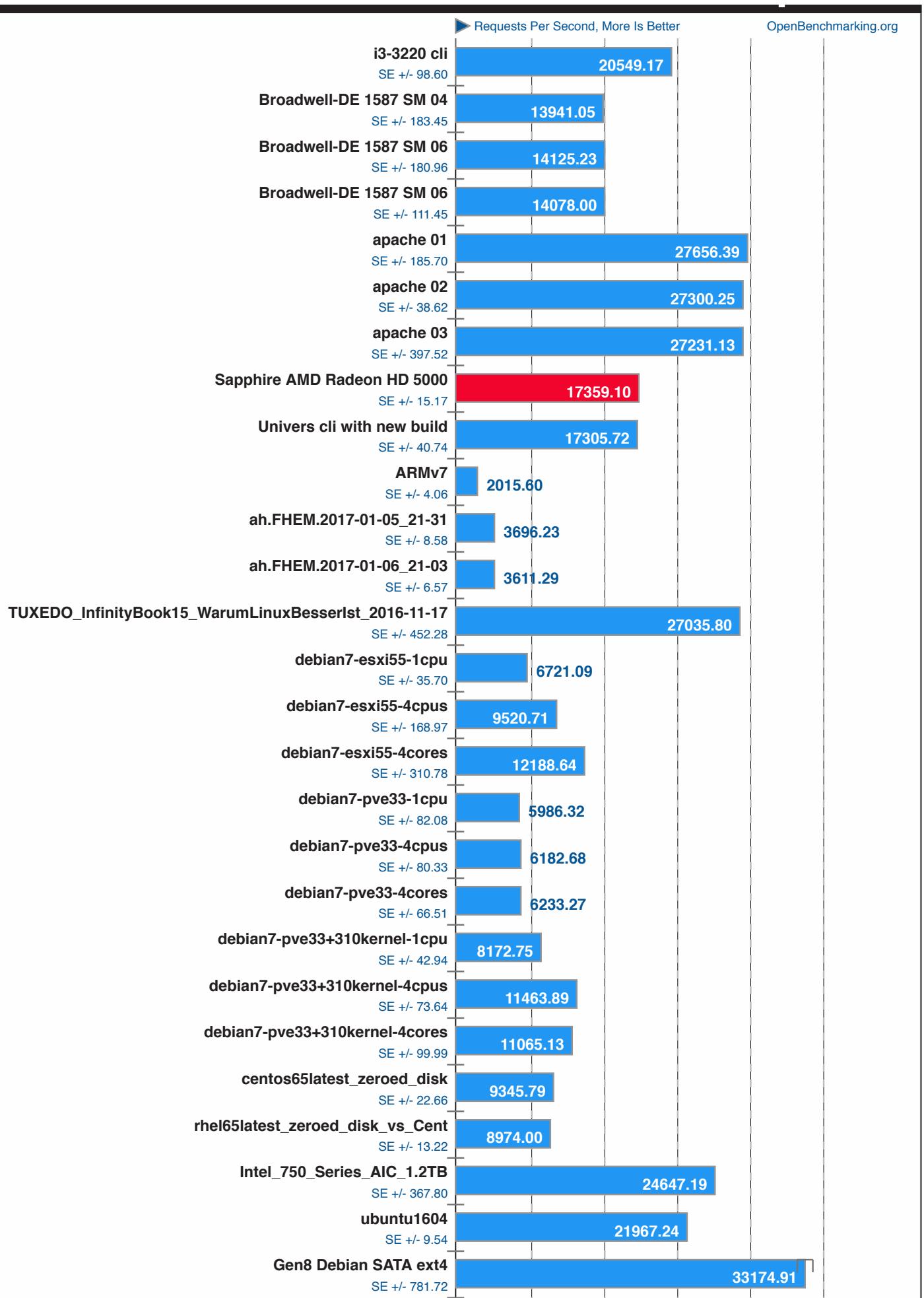
1. (CXX) g++ options: -pipe -O3 -ffast-math -march=native -fX11 -ltiff -ljpeg -lpng -lz -lrt -lm -lboost_thread -lboost_system

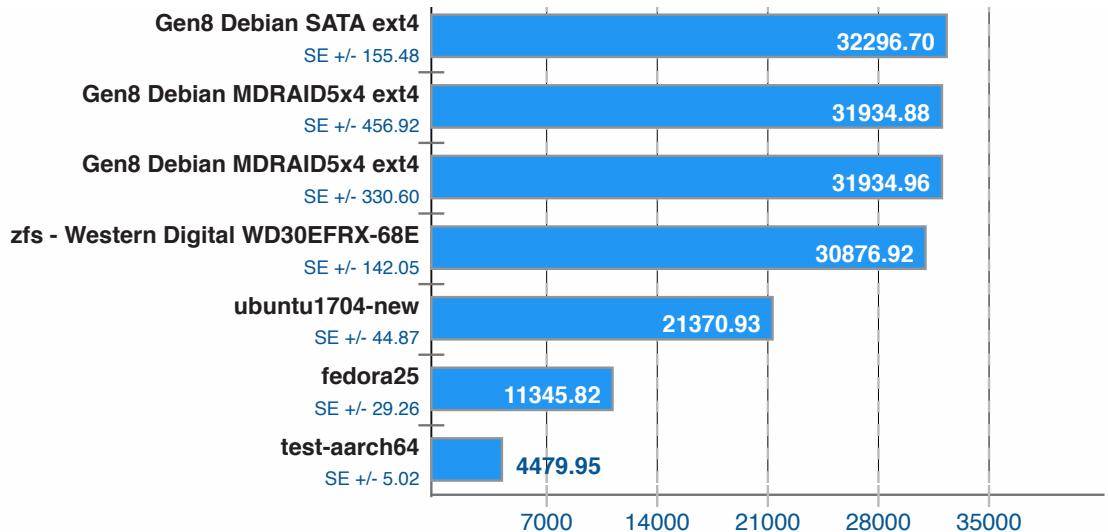
Phoronix Test Suite 7.0.0

Apache Benchmark v2.4.7

Static Web Page Serving

ptsli





1. (CC) gcc options: -shared -fPIC -O2 -pthread

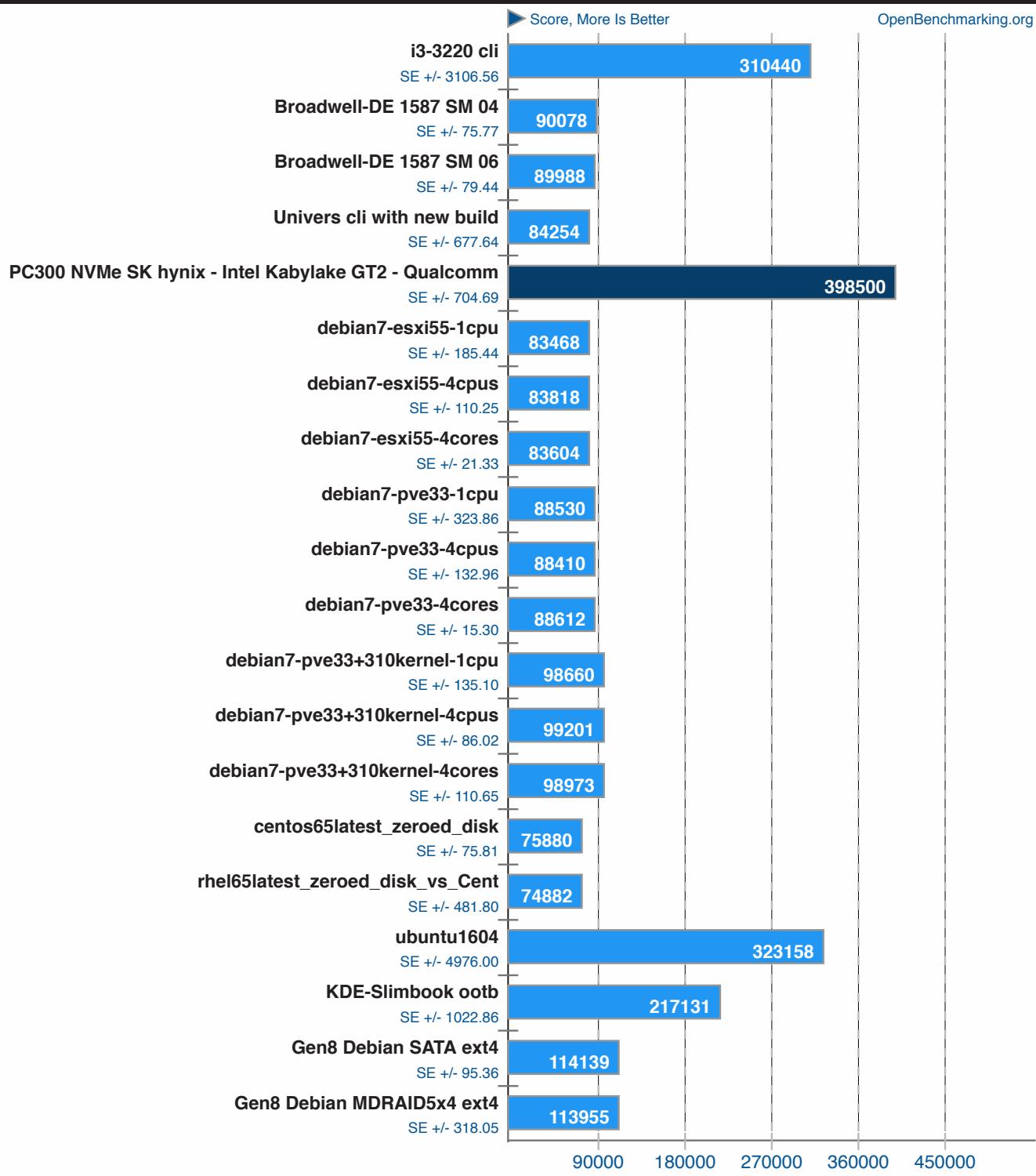
Phoronix Test Suite 7.0.0

PHPBench v0.8.1

PHP Benchmark Suite



OpenBenchmarking.org



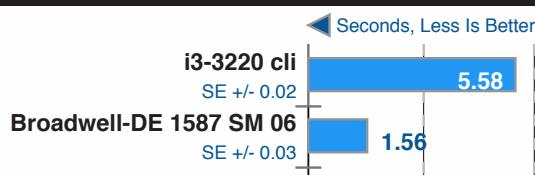
Phoronix Test Suite 7.0.0

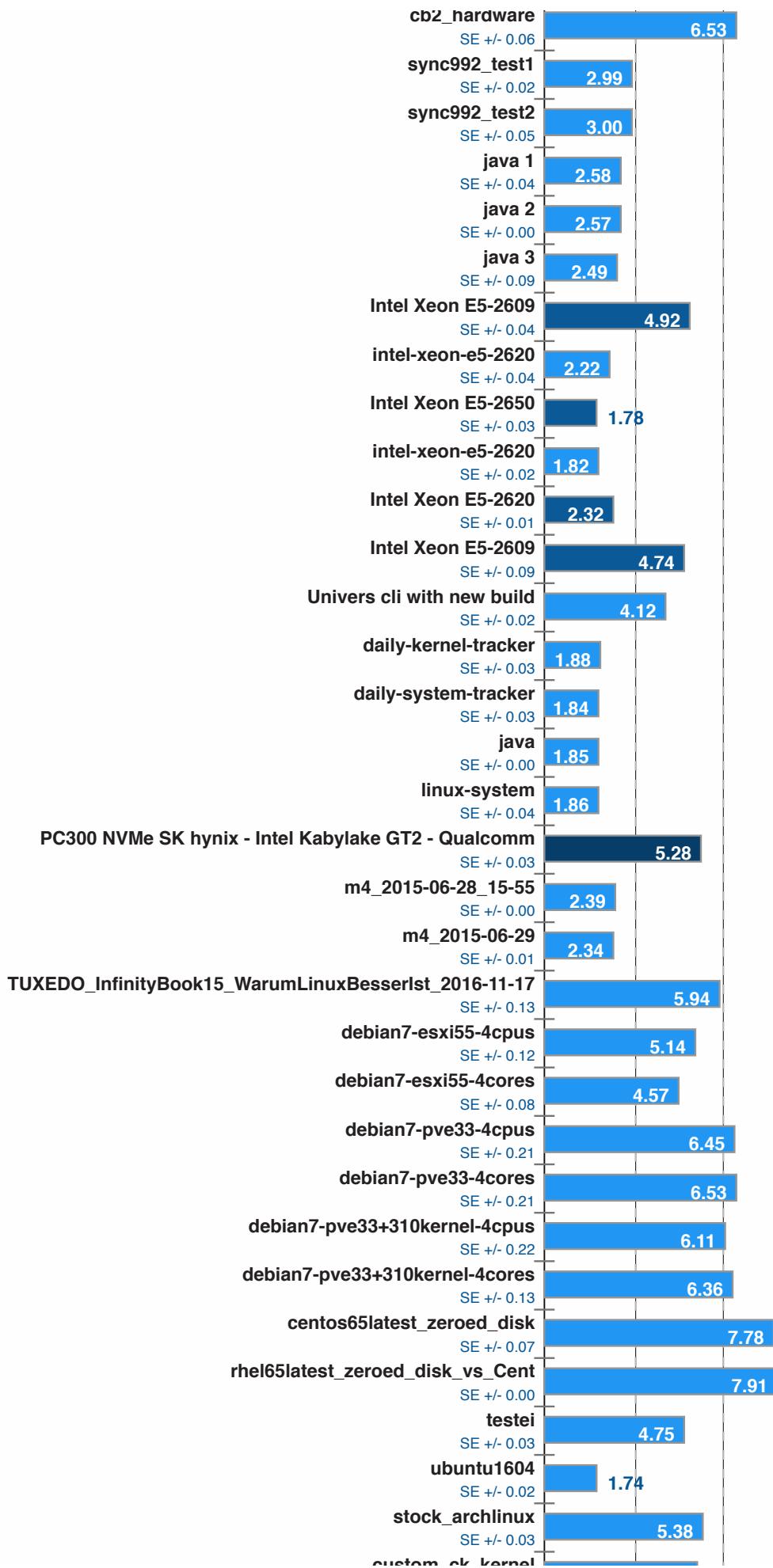
Sunflow Rendering System v0.07.2

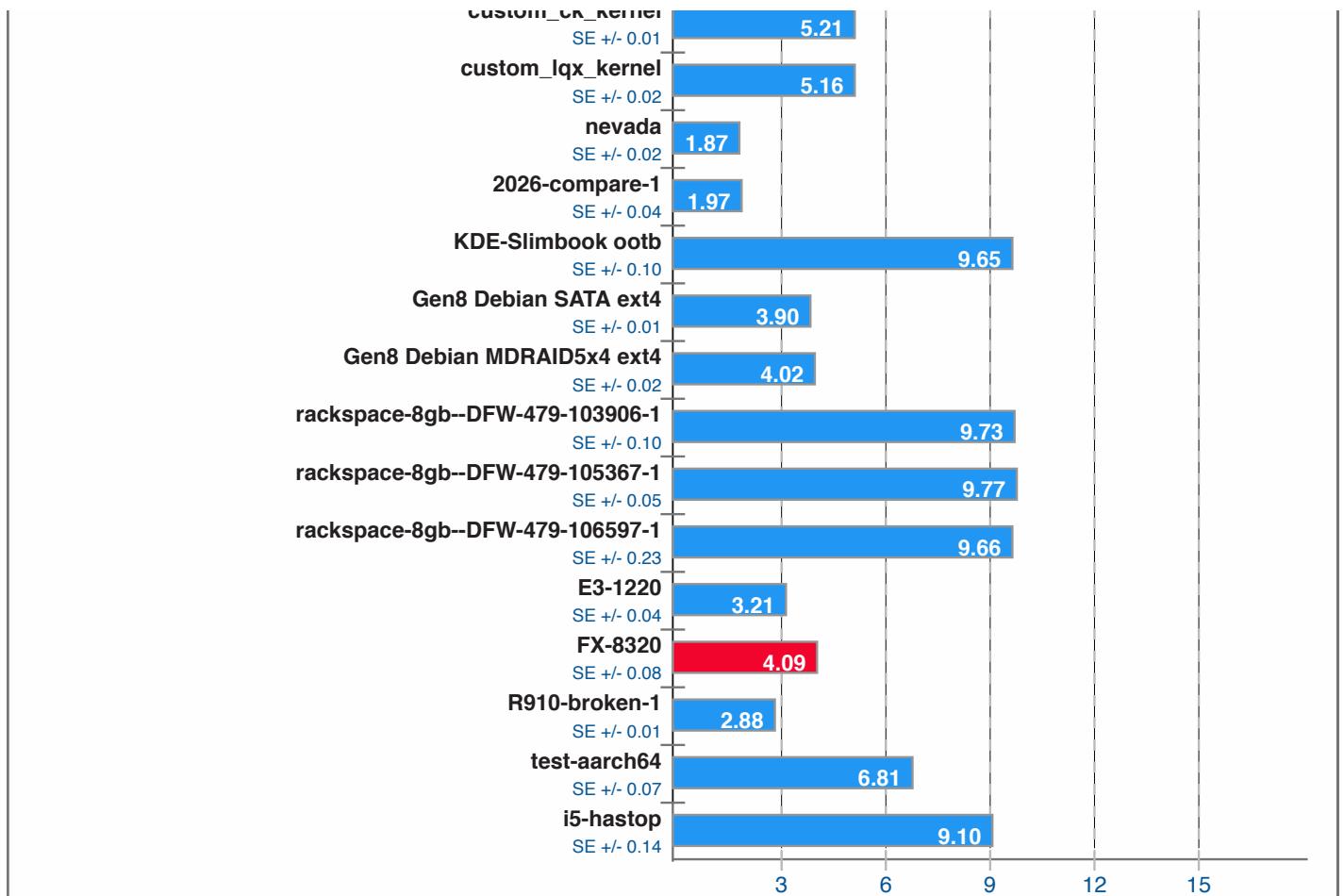
Global Illumination + Image Synthesis



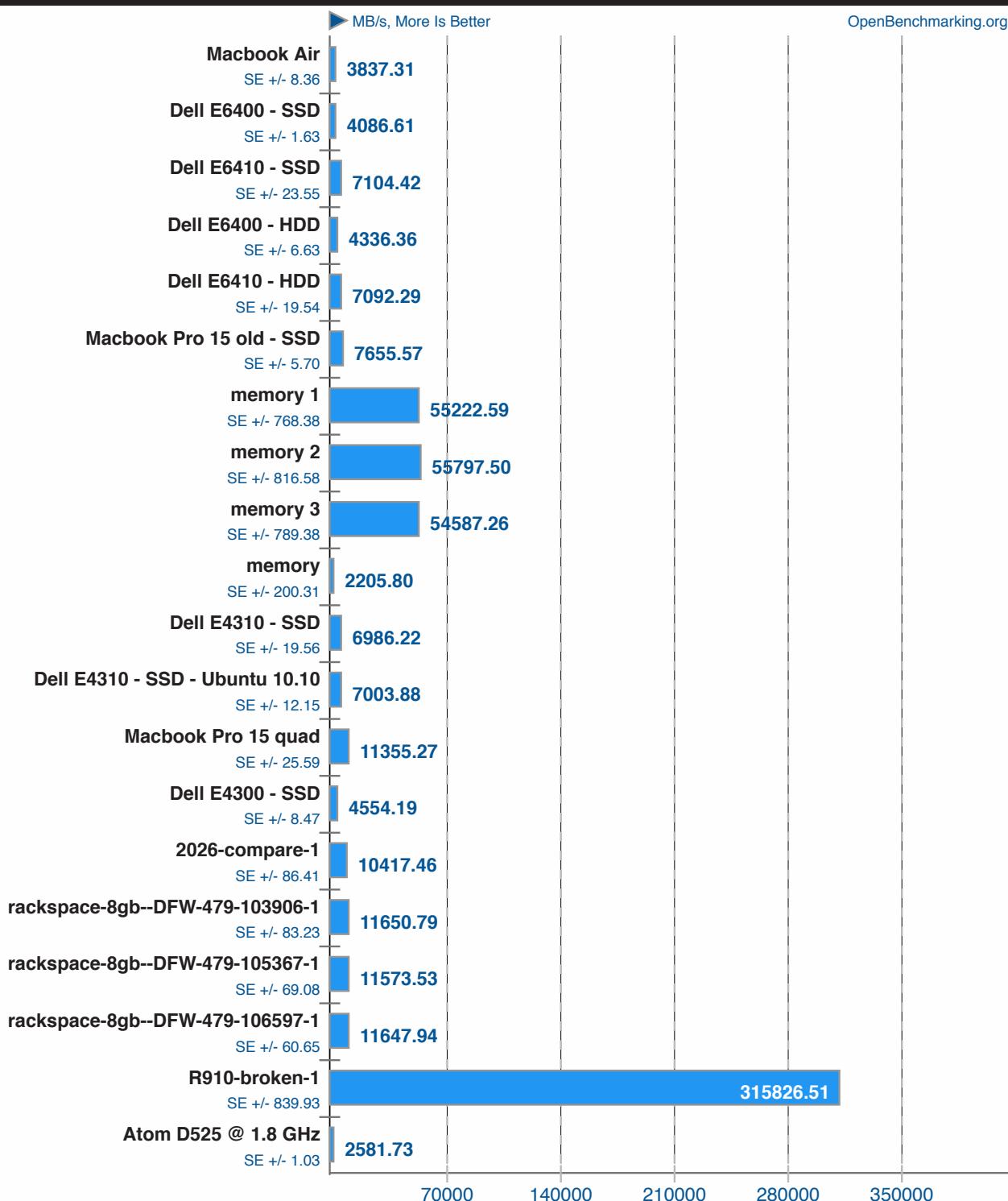
OpenBenchmarking.org

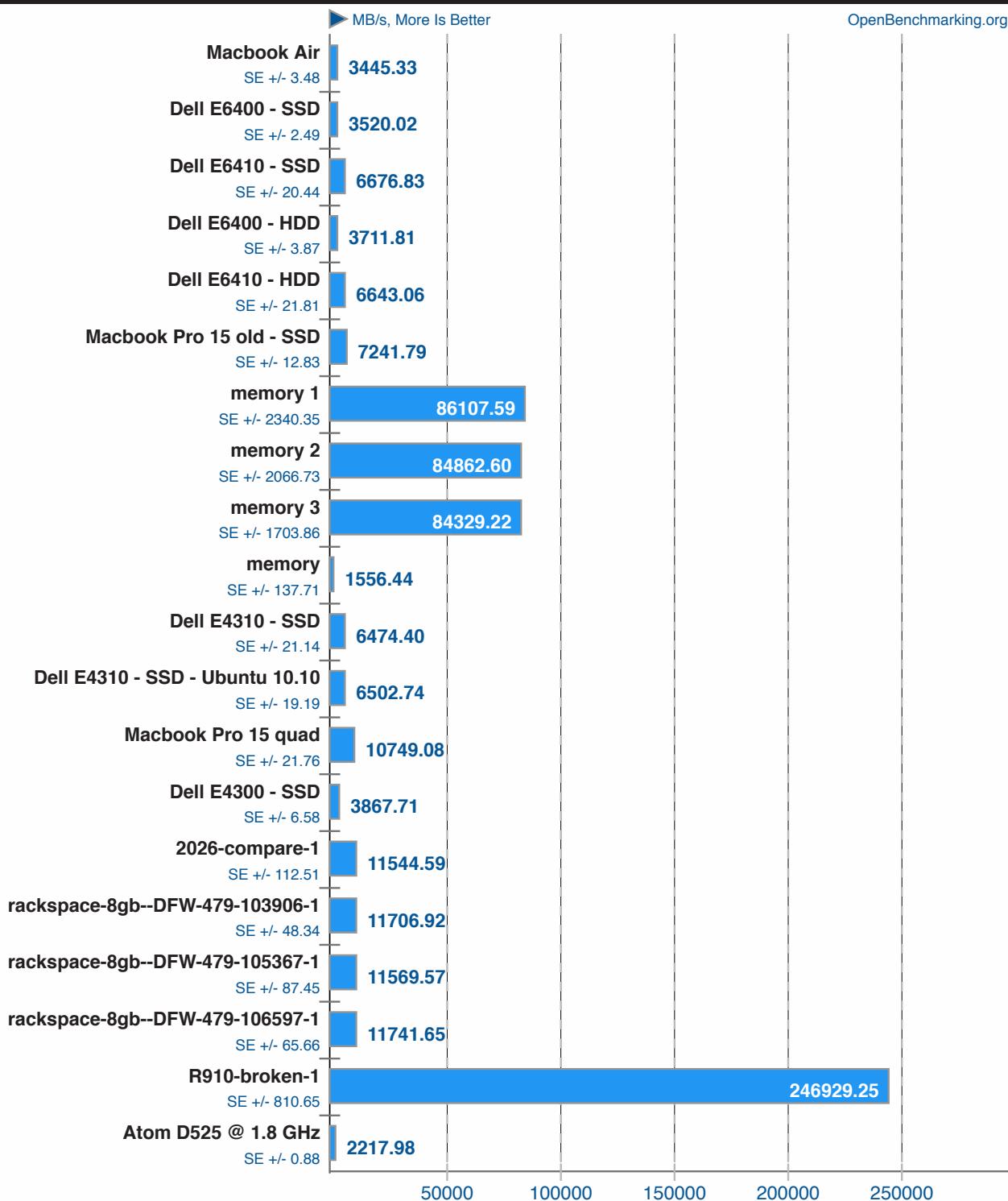






Phoronix Test Suite 7.0.0



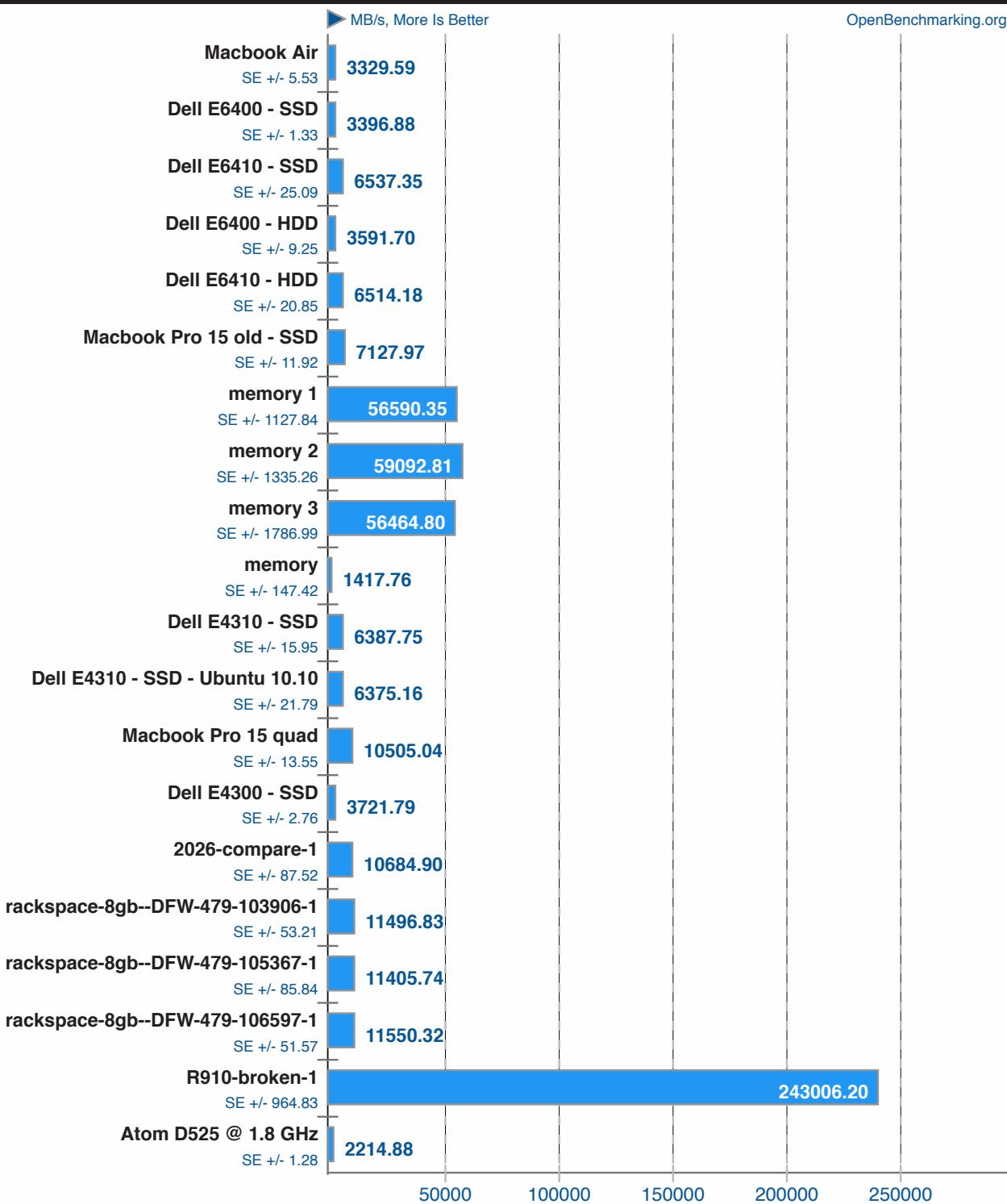


Stream v2009-04-11

Scale

ptsli

OpenBenchmarking.org



1. (CC) gcc options: -O2 -fopenmp

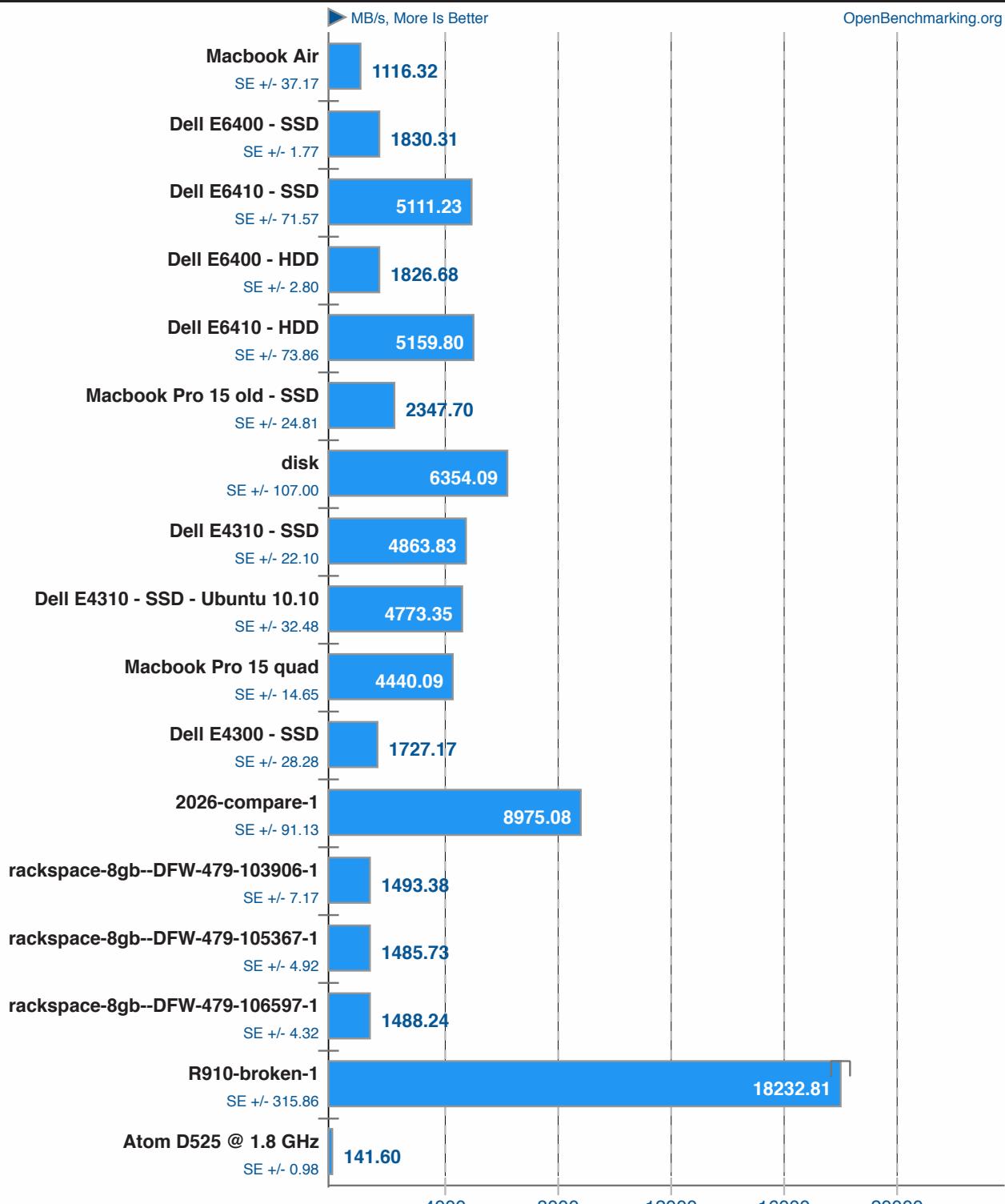
Phoronix Test Suite 7.0.0

Threaded I/O Tester v0.3.3

64MB Random Read - 32 Threads

ptsli

OpenBenchmarking.org



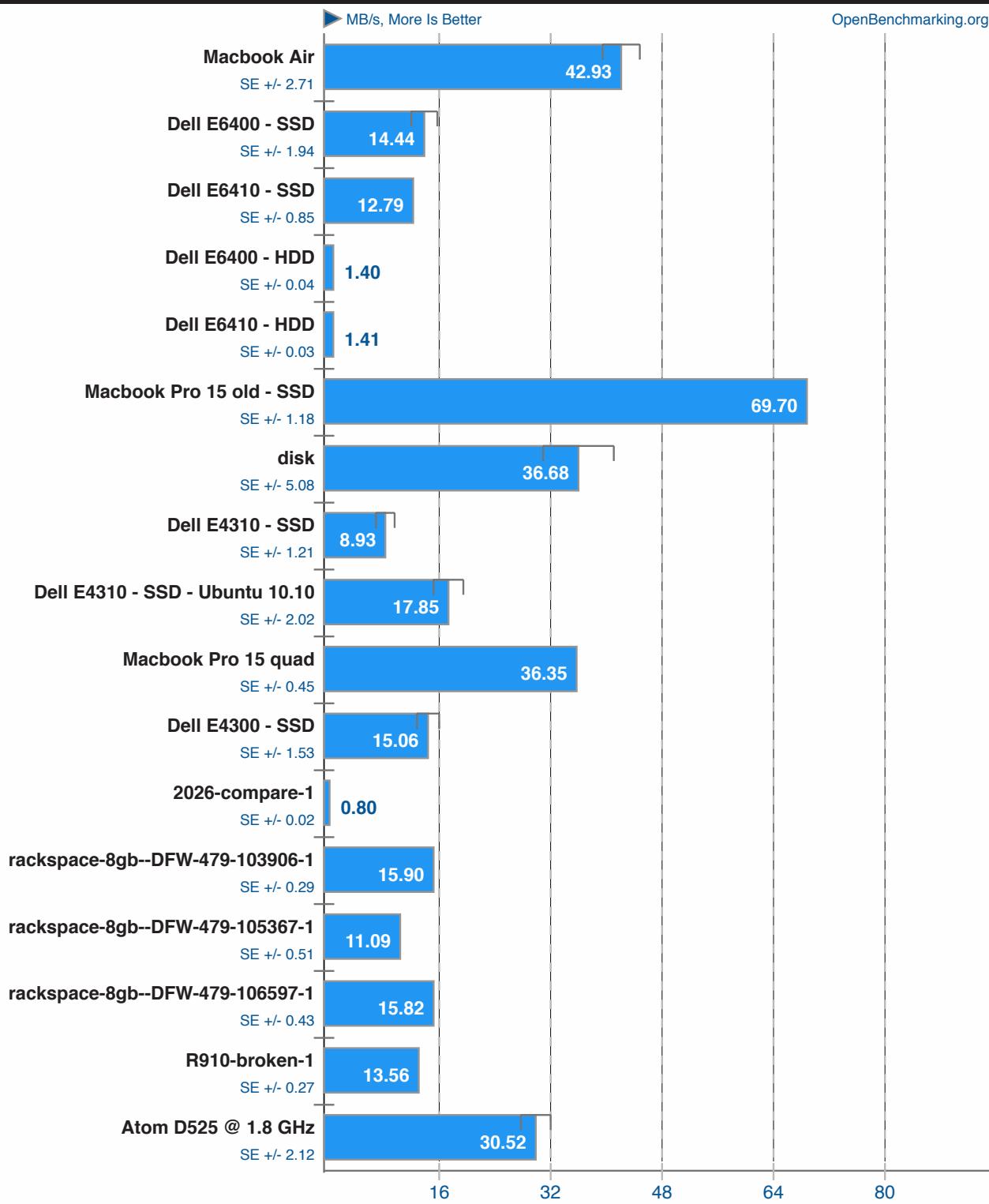
Phoronix Test Suite 7.0.0

Threaded I/O Tester v0.3.3

64MB Random Write - 32 Threads



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

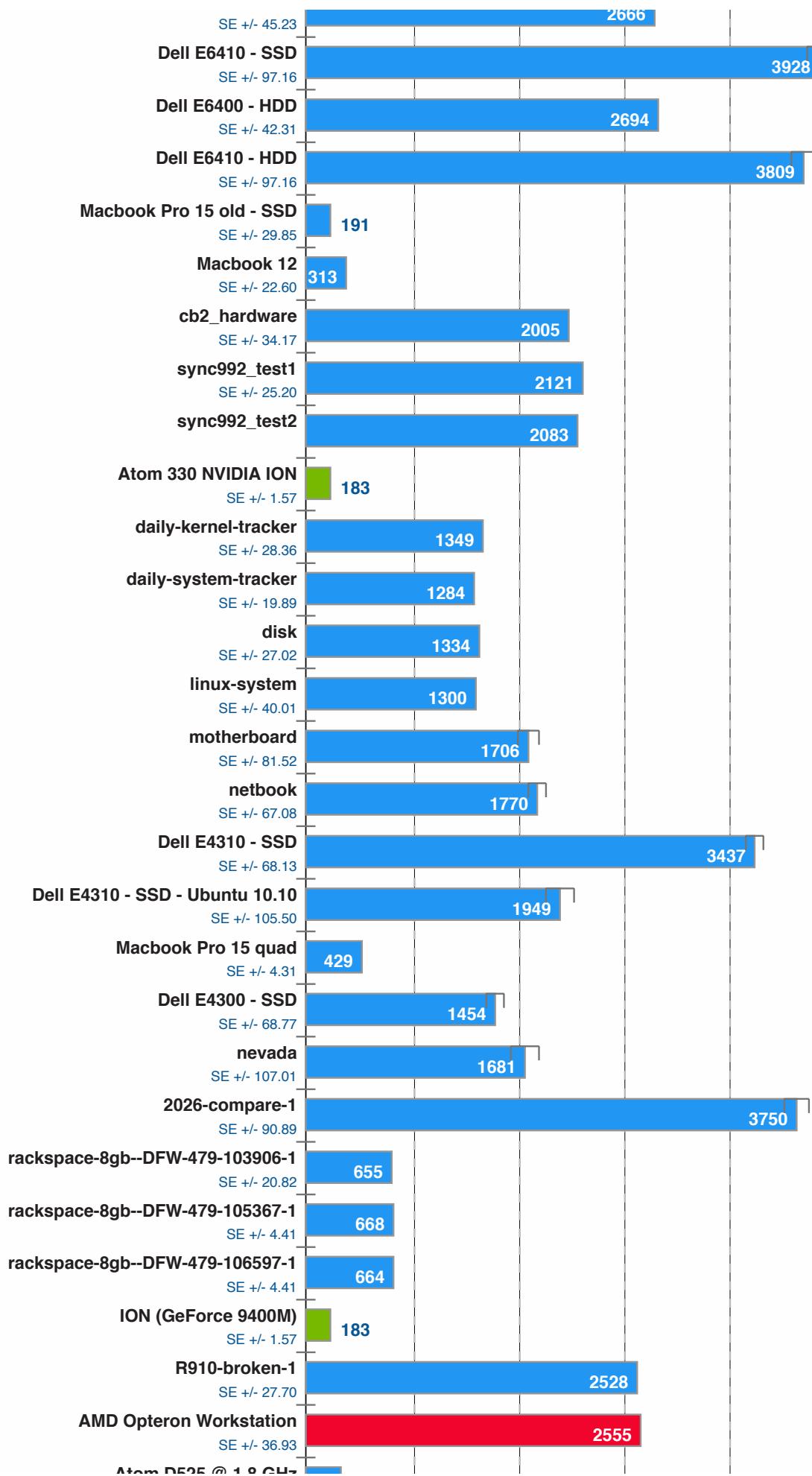
PostMark v1.51

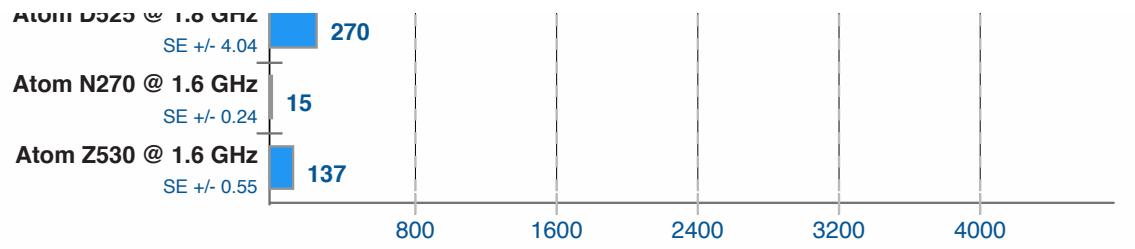
Disk Transaction Performance



OpenBenchmarking.org







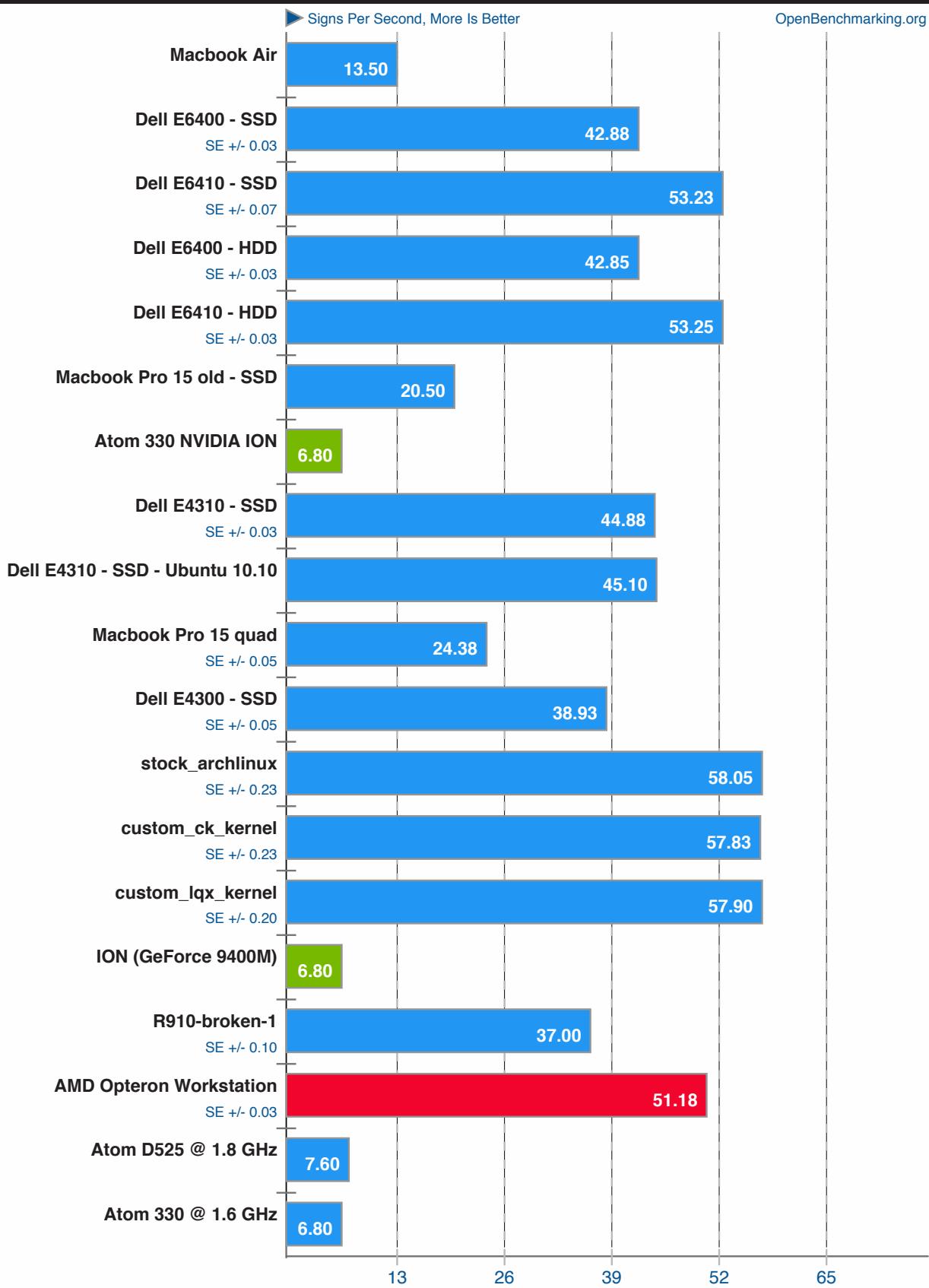
Phoronix Test Suite 7.0.0

OpenSSL v1.0.0a

RSA 4096-bit Performance

ptsli

OpenBenchmarking.org



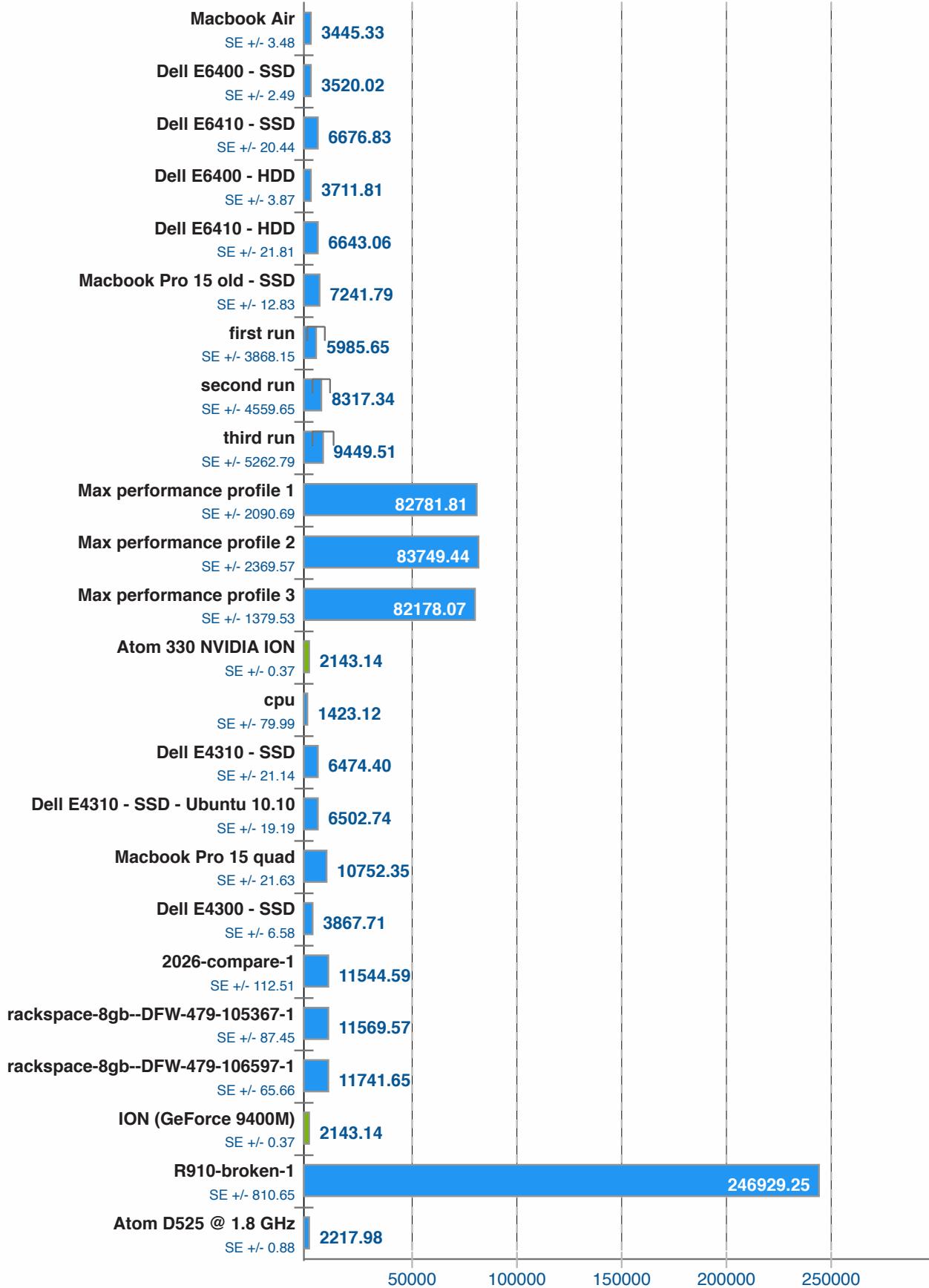
Phoronix Test Suite 7.0.0

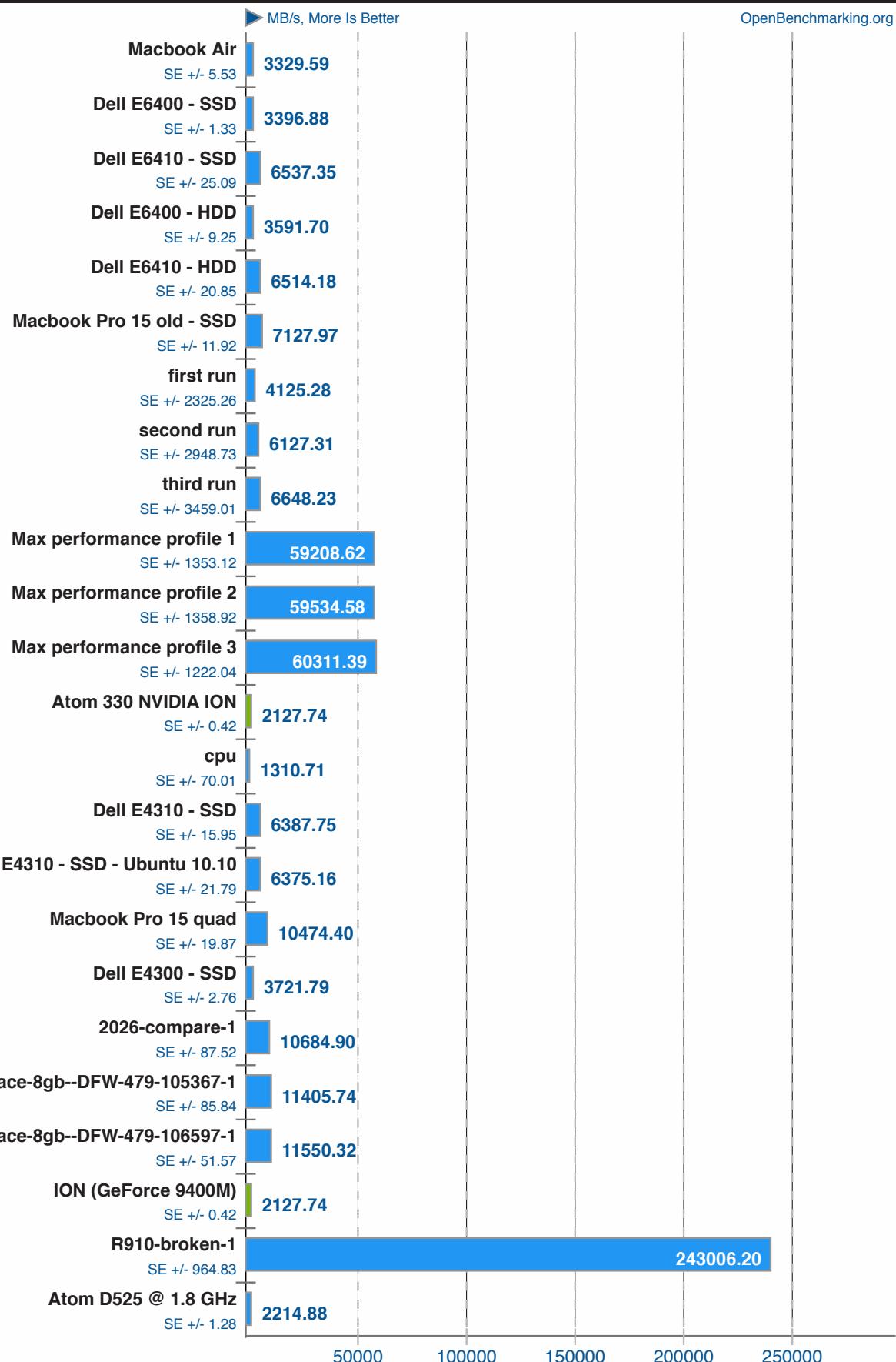
Stream v2009-04-11

Type: Copy

ptsli

MB/s, More Is Better



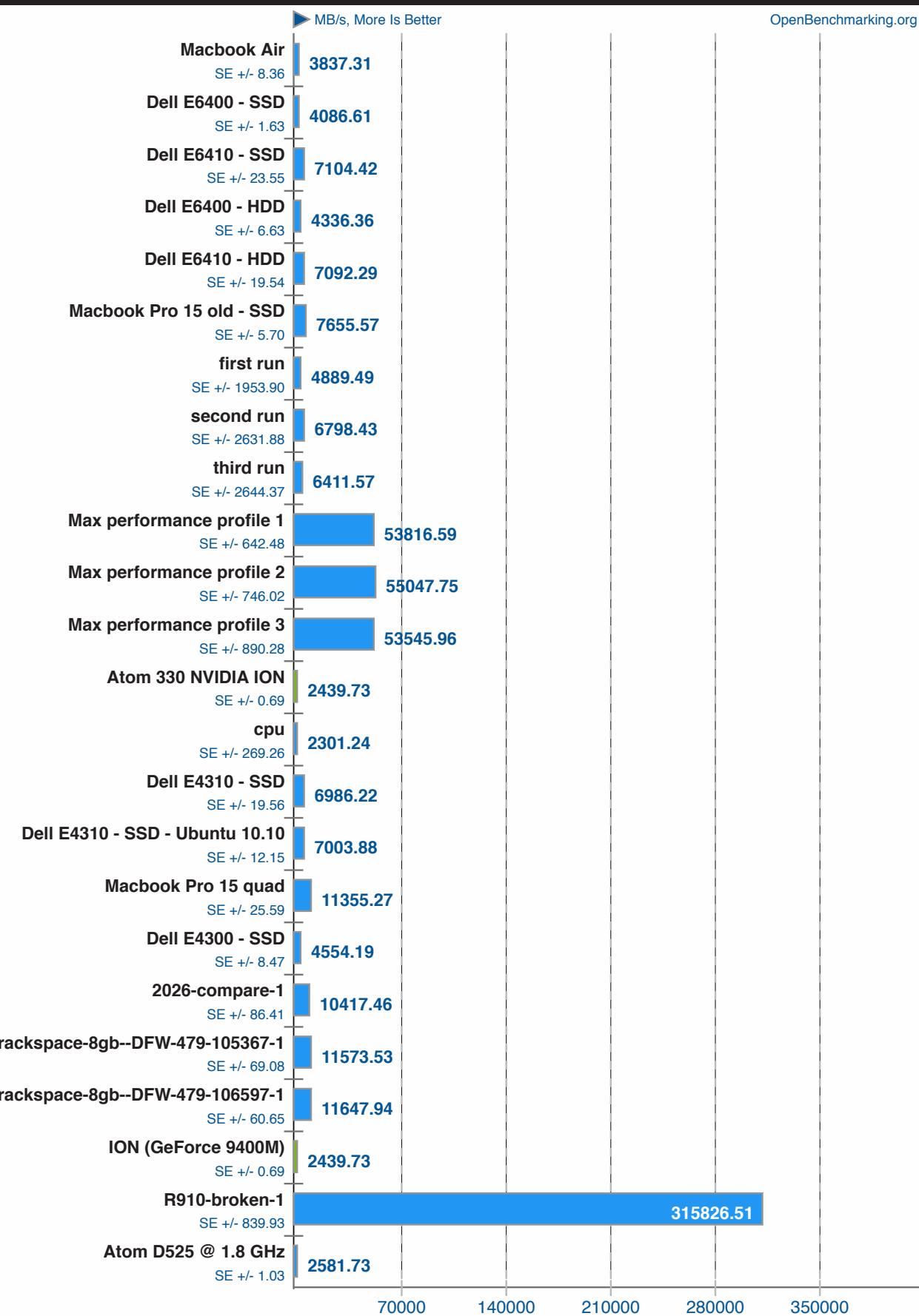


Stream v2009-04-11

Type: Add



OpenBenchmarking.org



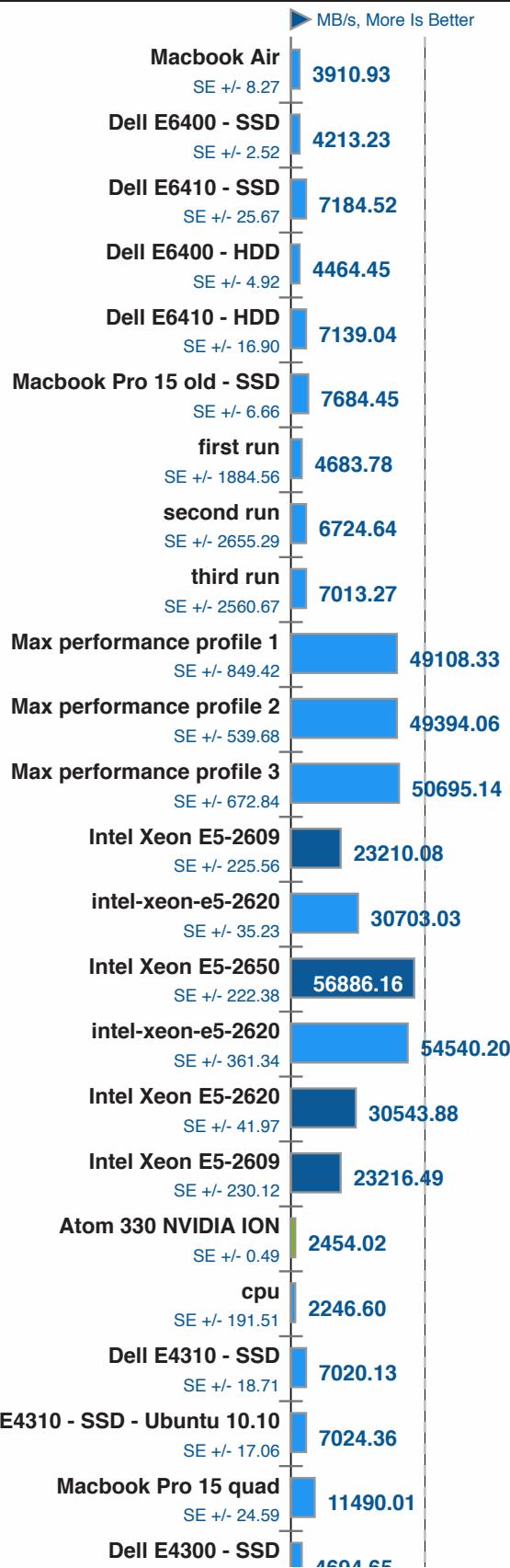


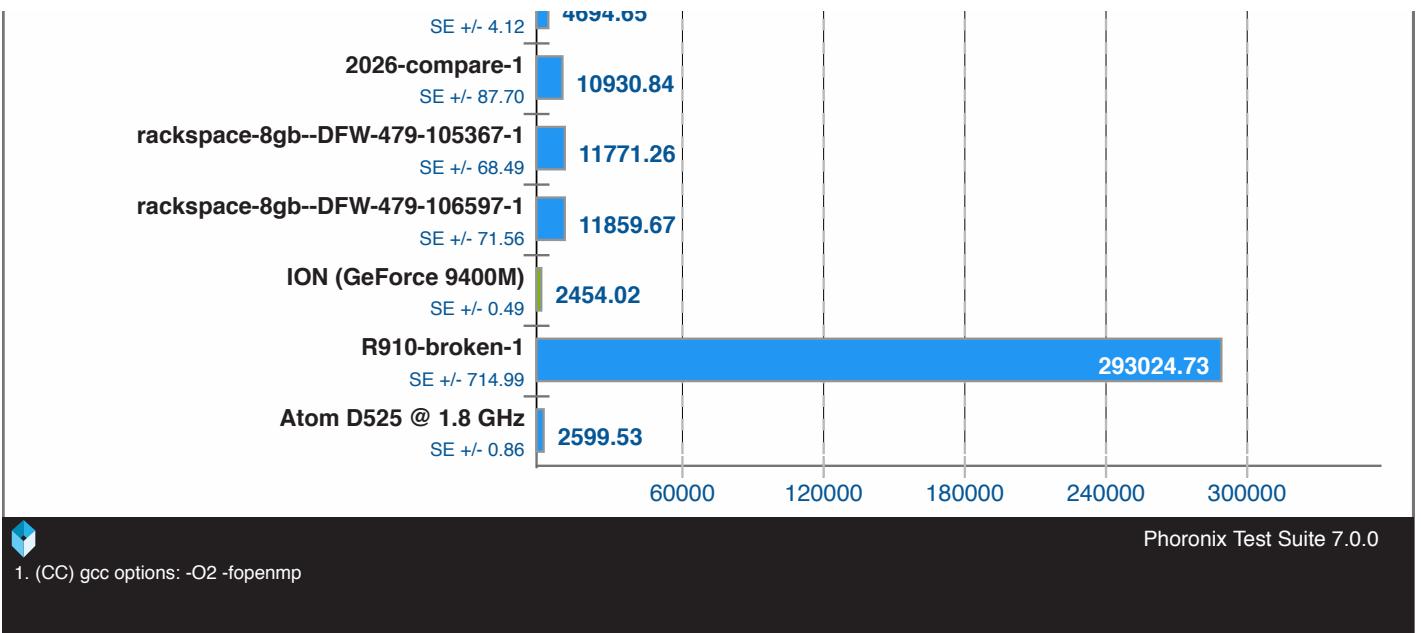
Stream v2009-04-11

Type: Triad



OpenBenchmarking.org



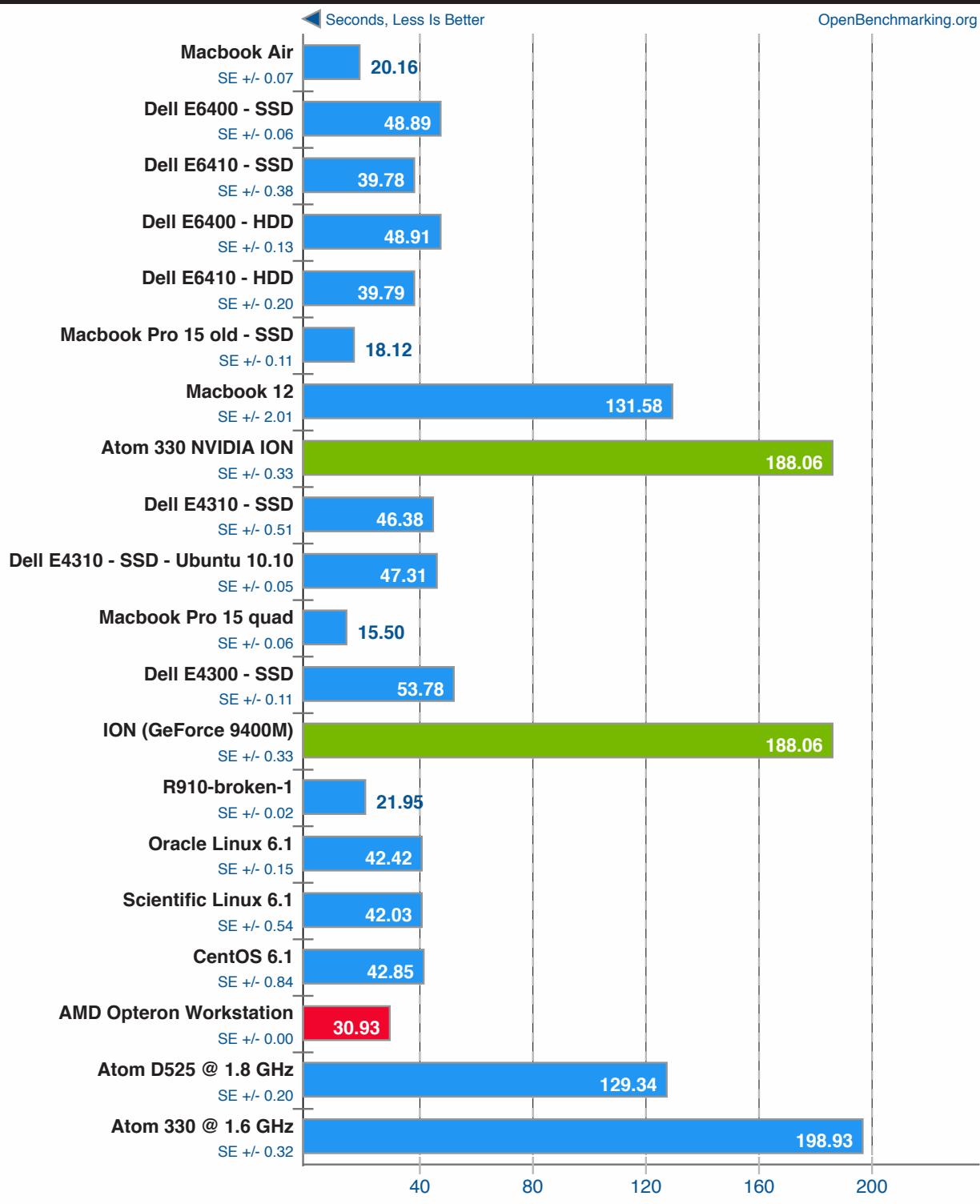


Timed Apache Compilation v2.2.17

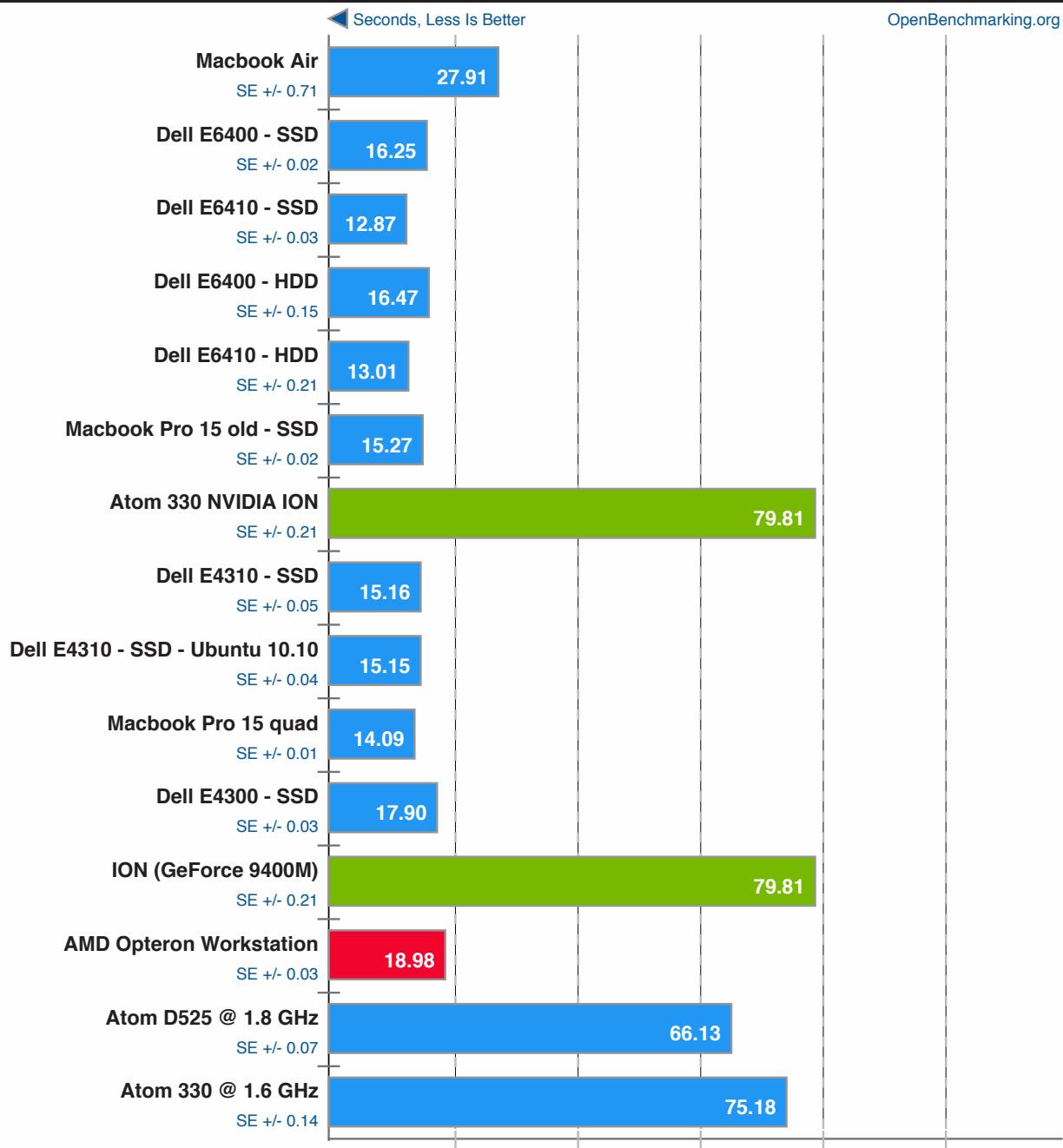
Time To Compile

ptsli

OpenBenchmarking.org



Phoronix Test Suite 7.0.0

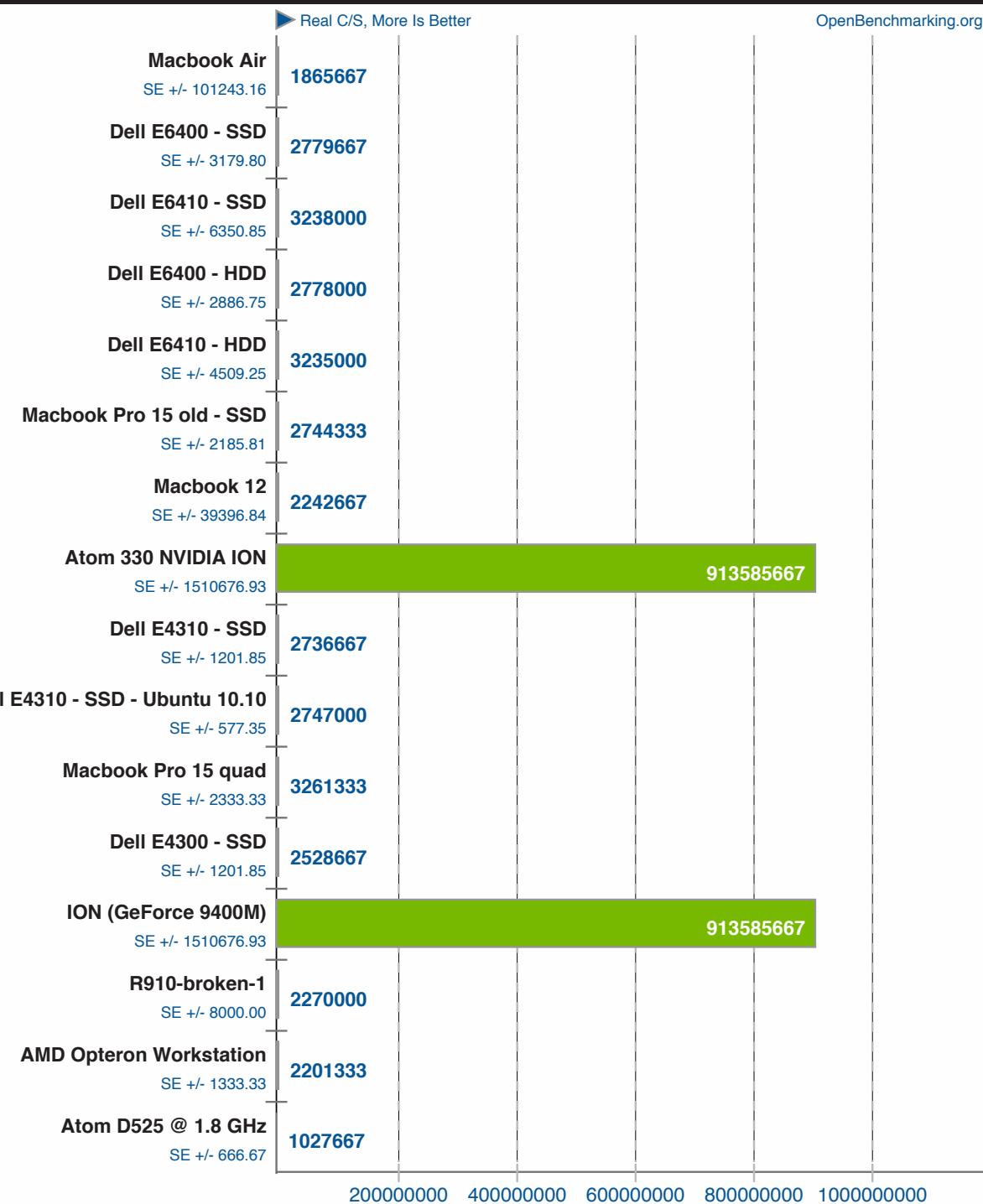


John The Ripper v1.7.3.1

Test: Traditional DES



OpenBenchmarking.org



1. (CC) gcc options: -m64

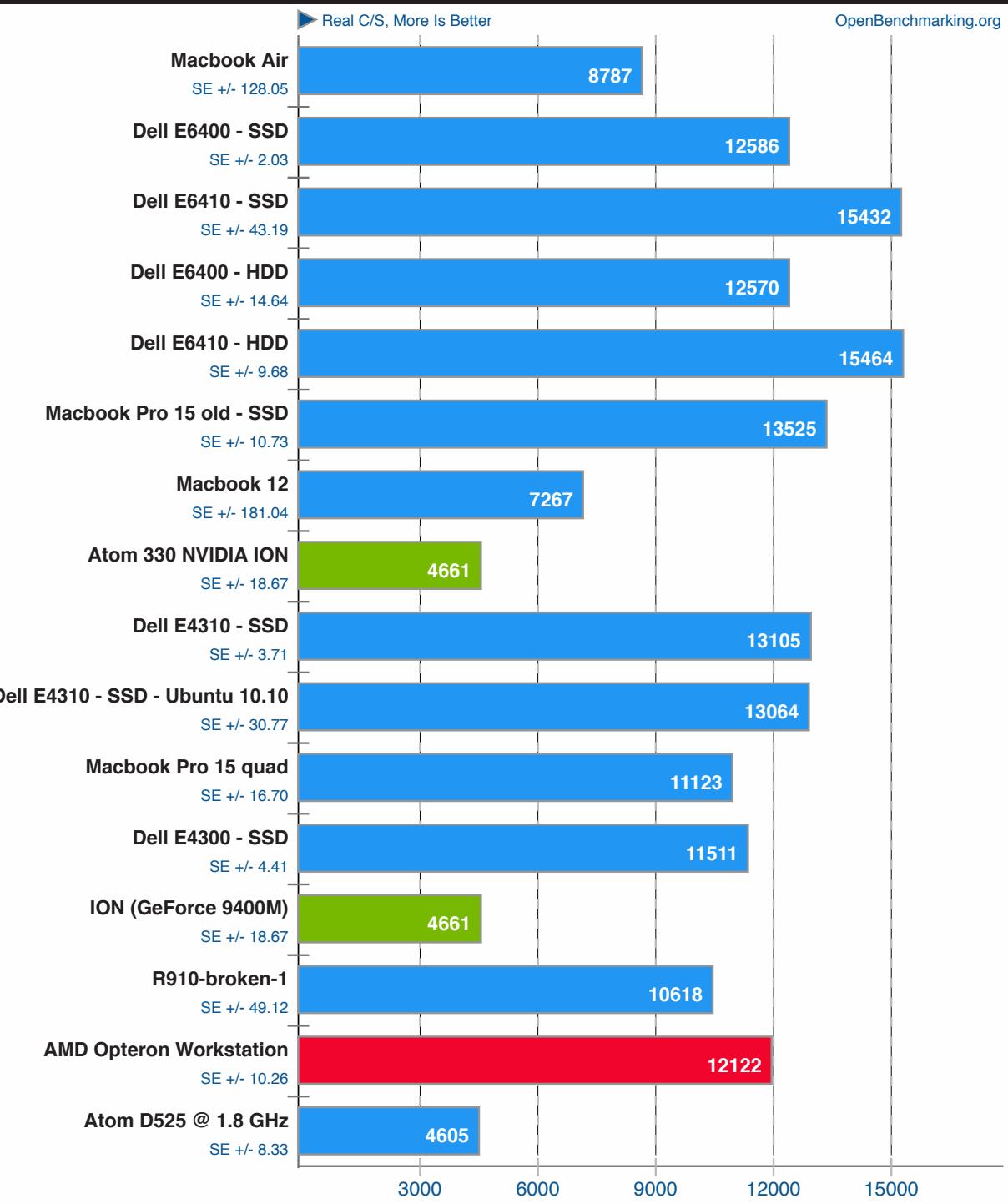
Phoronix Test Suite 7.0.0

John The Ripper v1.7.3.1

Test: MD5

ptsli.

OpenBenchmarking.org



1. (CC) gcc options: -m64

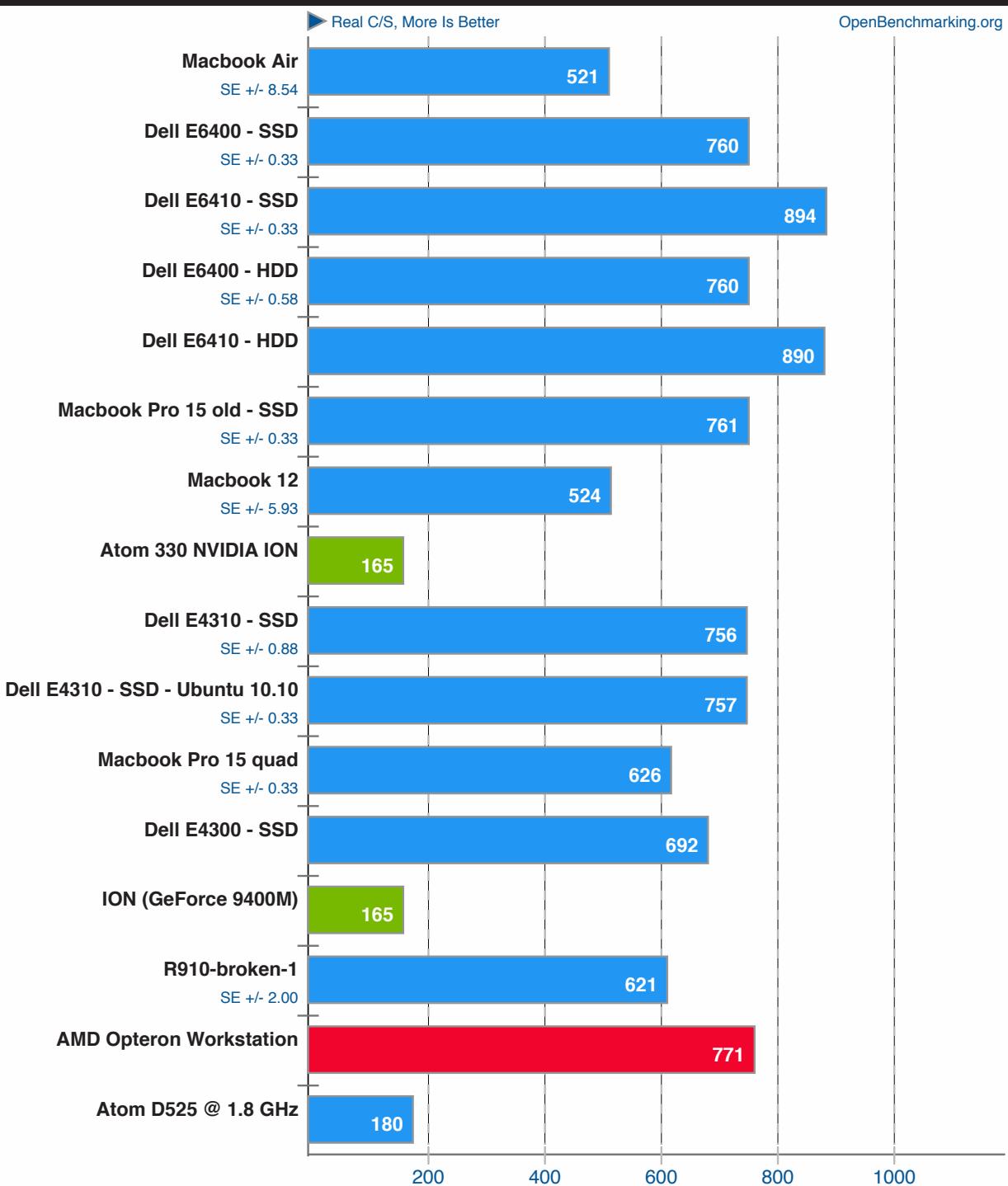
Phoronix Test Suite 7.0.0

John The Ripper v1.7.3.1

Test: Blowfish

ptsli

OpenBenchmarking.org



1. (CC) gcc options: -m64

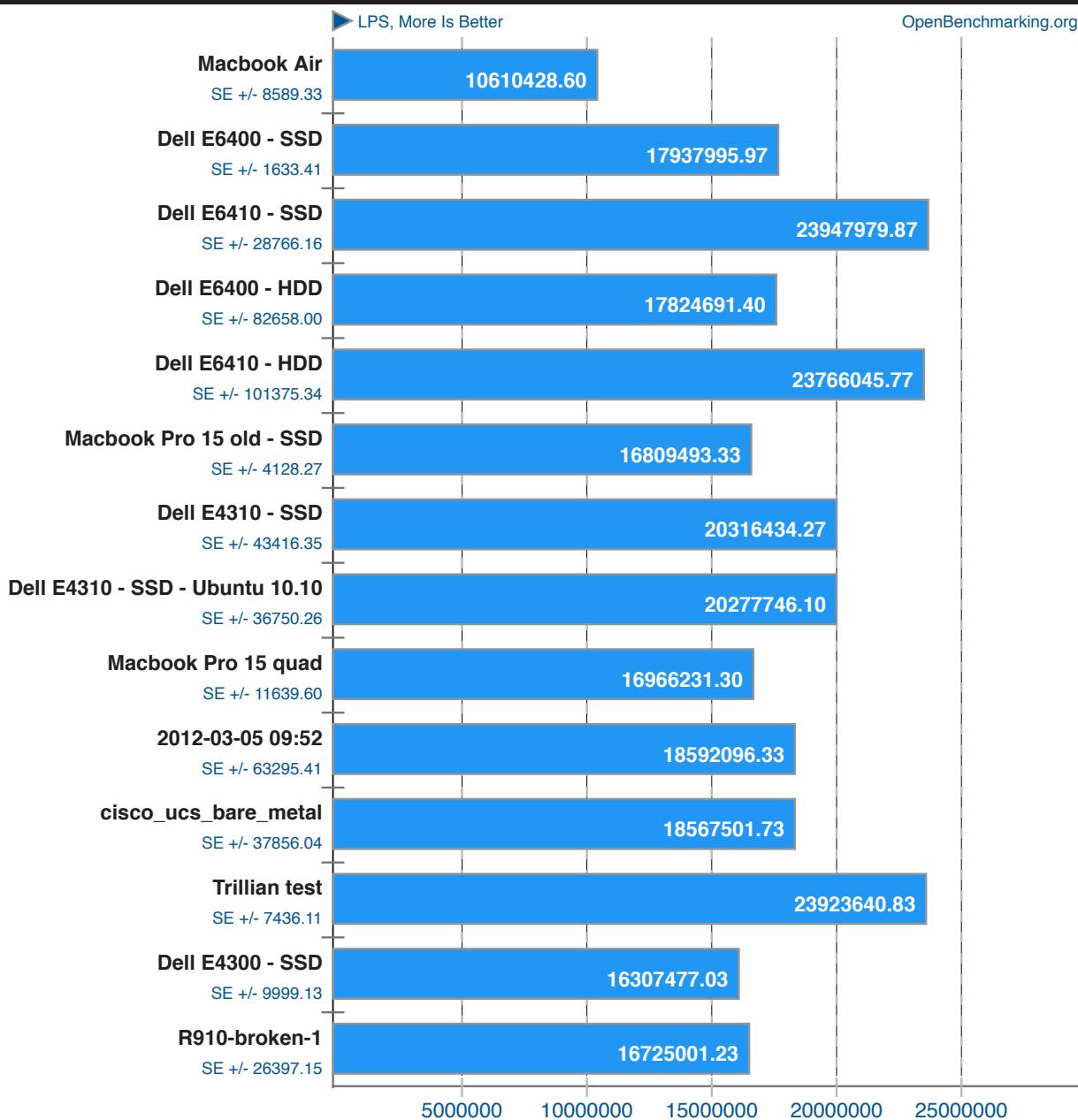
Phoronix Test Suite 7.0.0

BYTE Unix Benchmark v3.6

Dhrystone 2



OpenBenchmarking.org



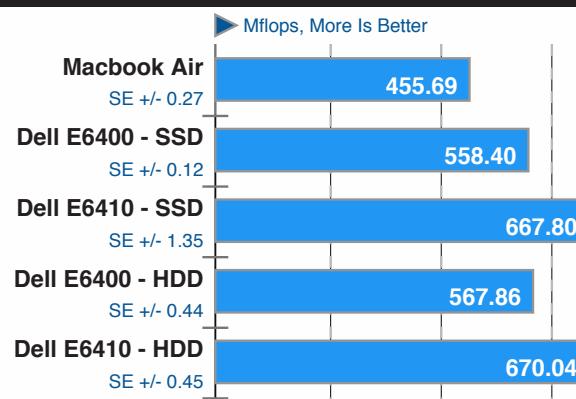
Phoronix Test Suite 7.0.0

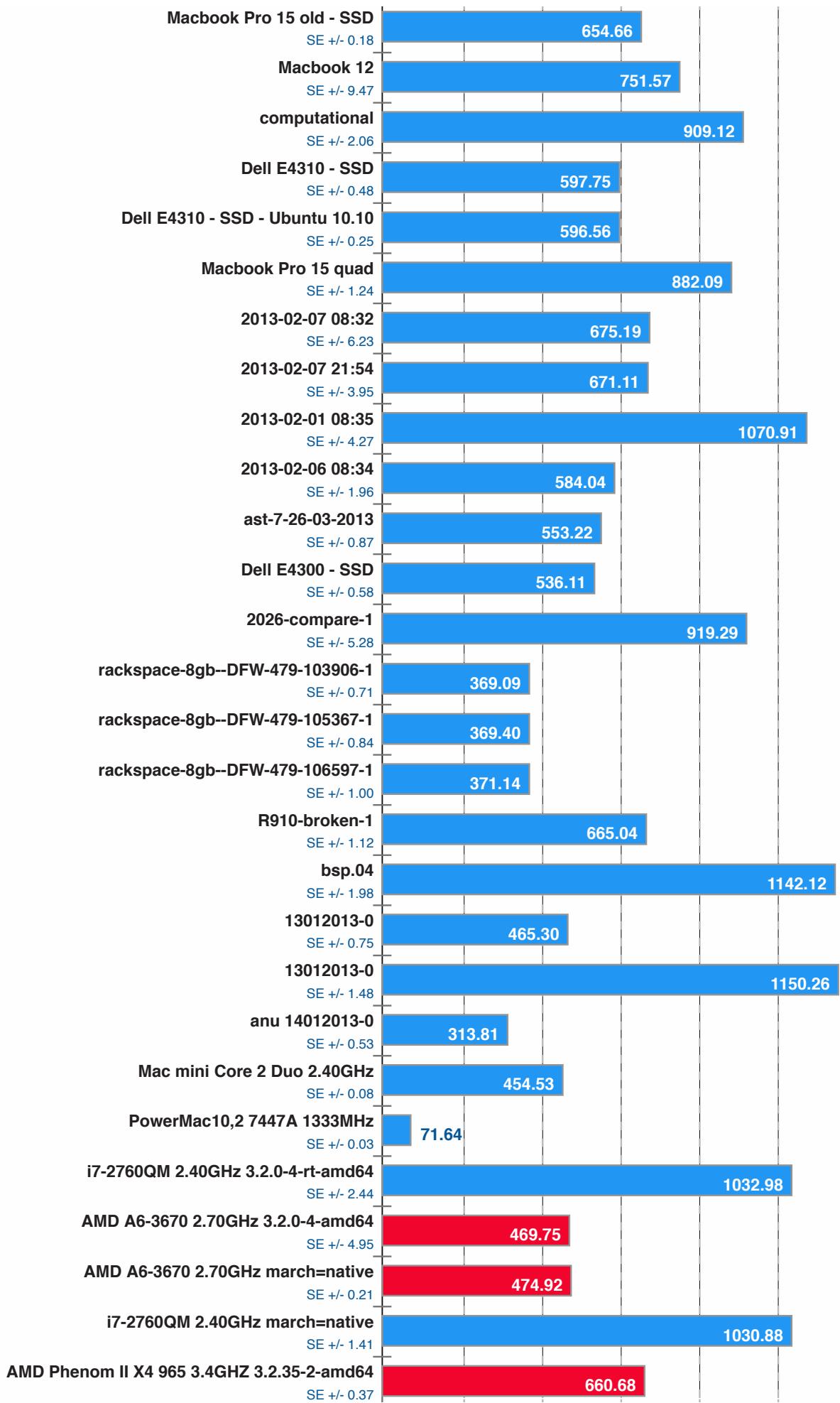
SciMark v2.0

Composite



OpenBenchmarking.org



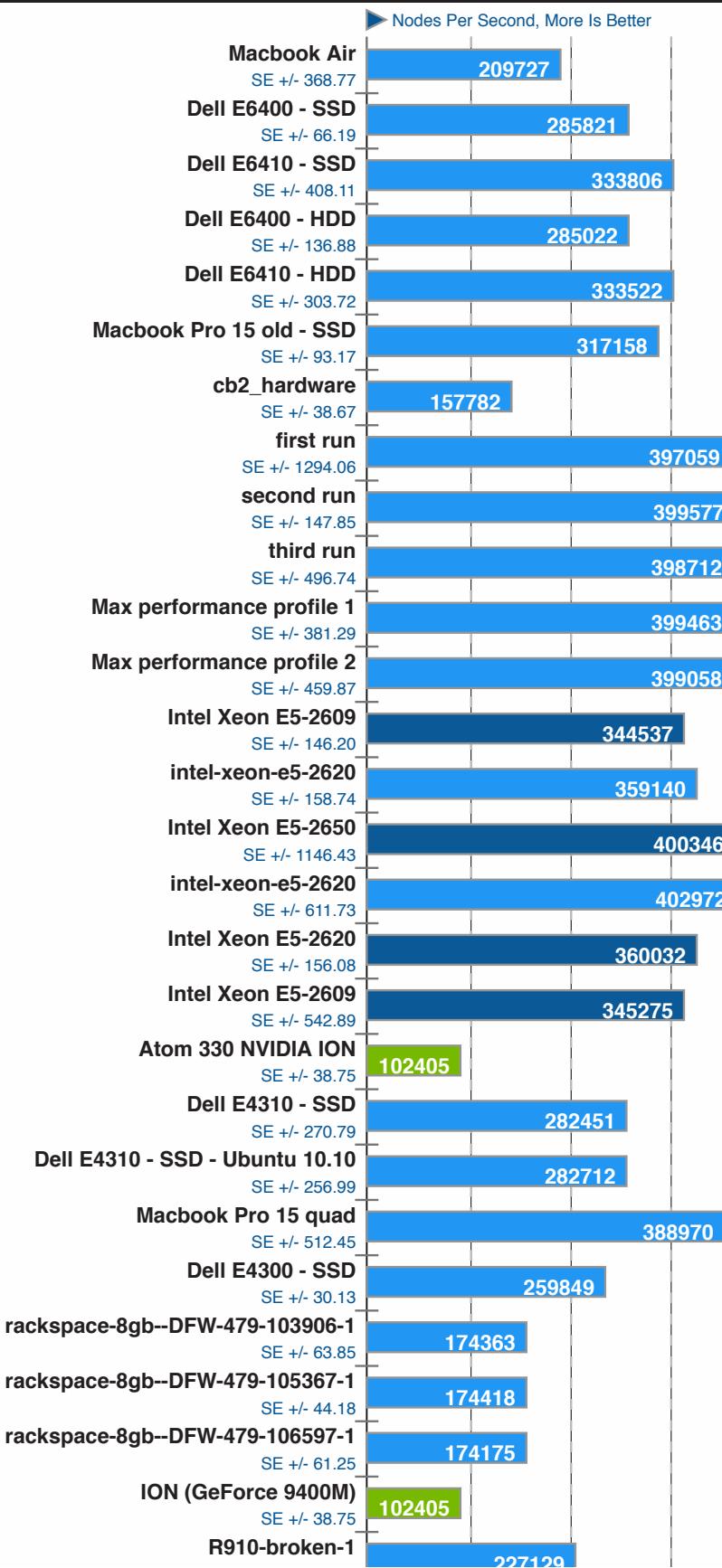


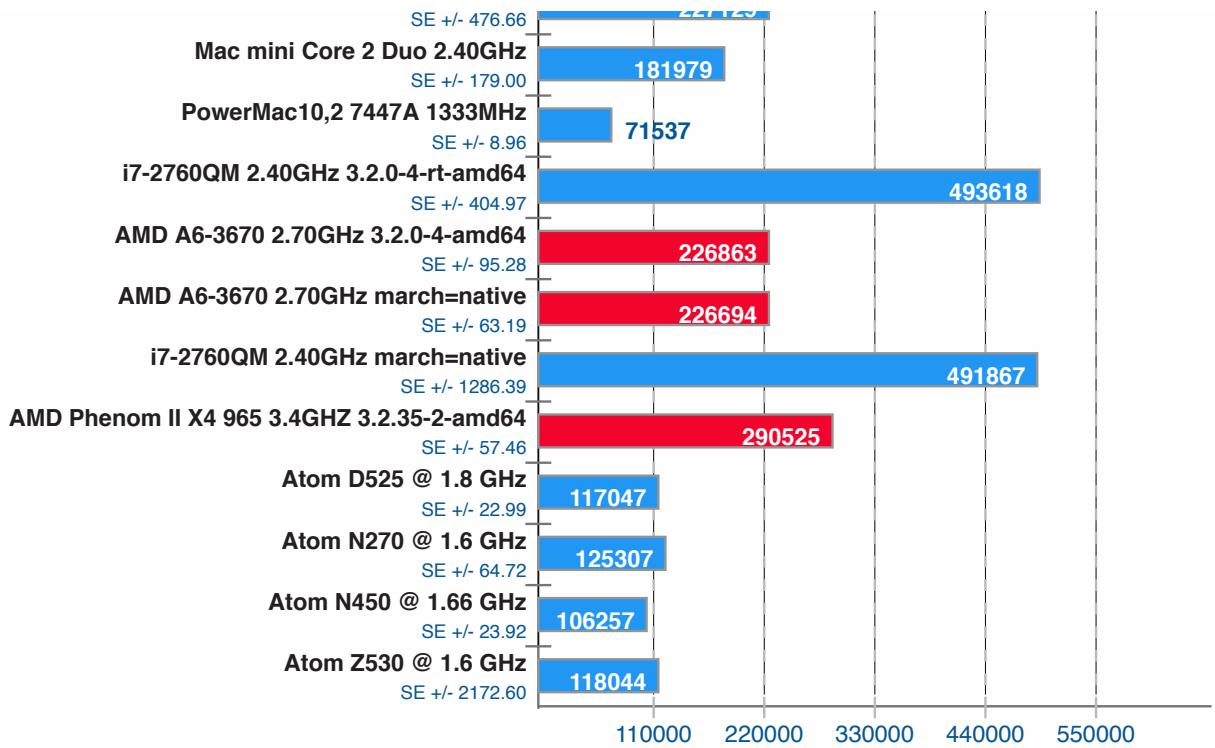
TSCP v1.81

AI Chess Performance



OpenBenchmarking.org





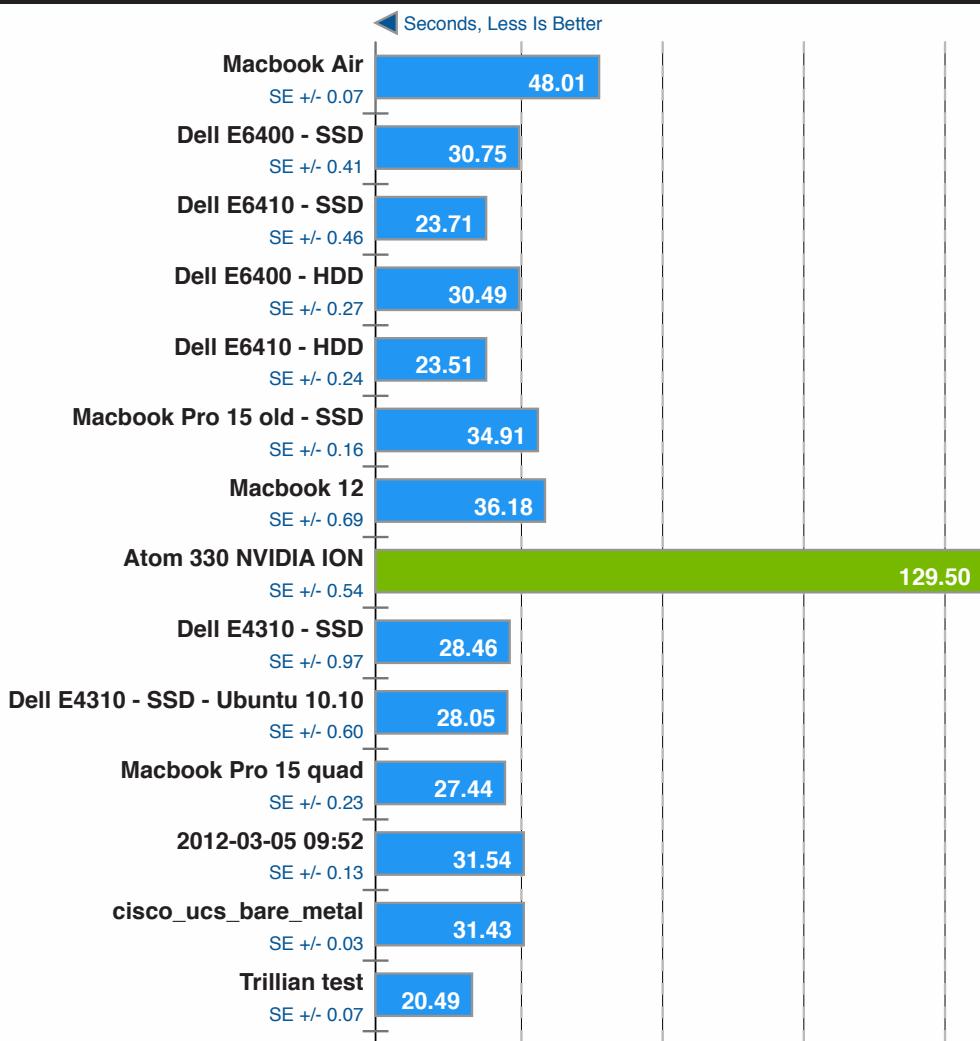
Phoronix Test Suite 7.0.0

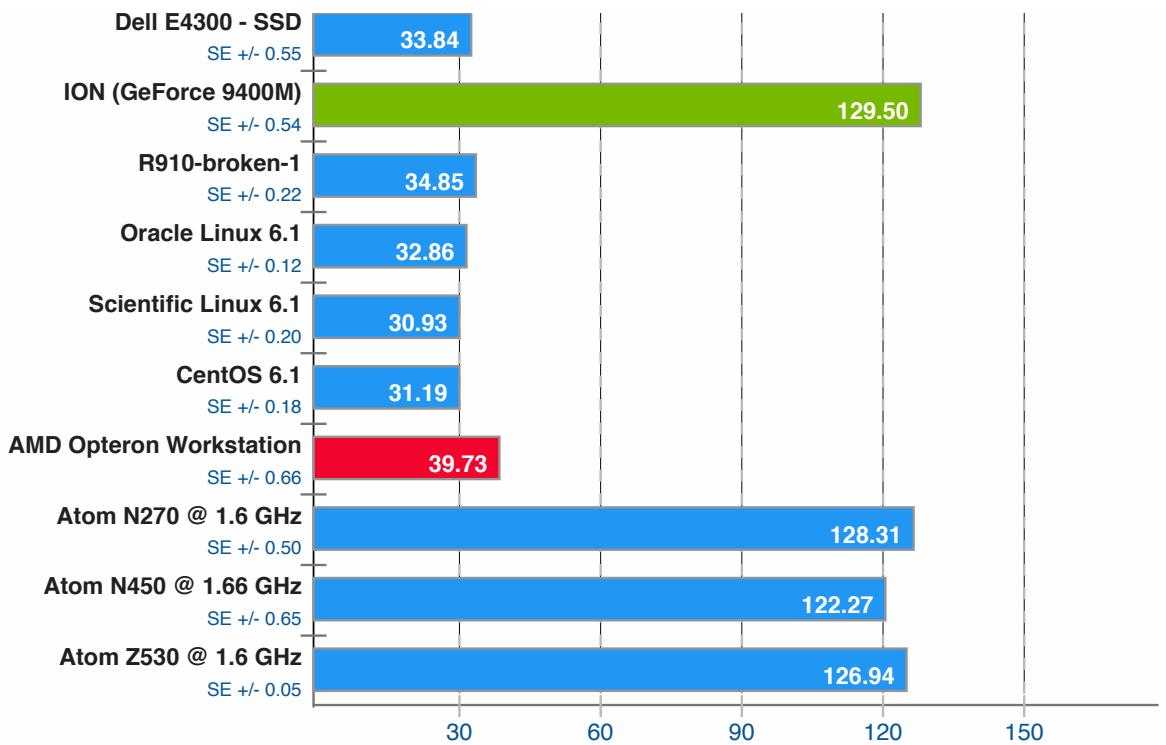
drawing

RAW To PPM Image Conversion



OpenBenchmarking.org





1. (CC) gcc options: -O4 -lm

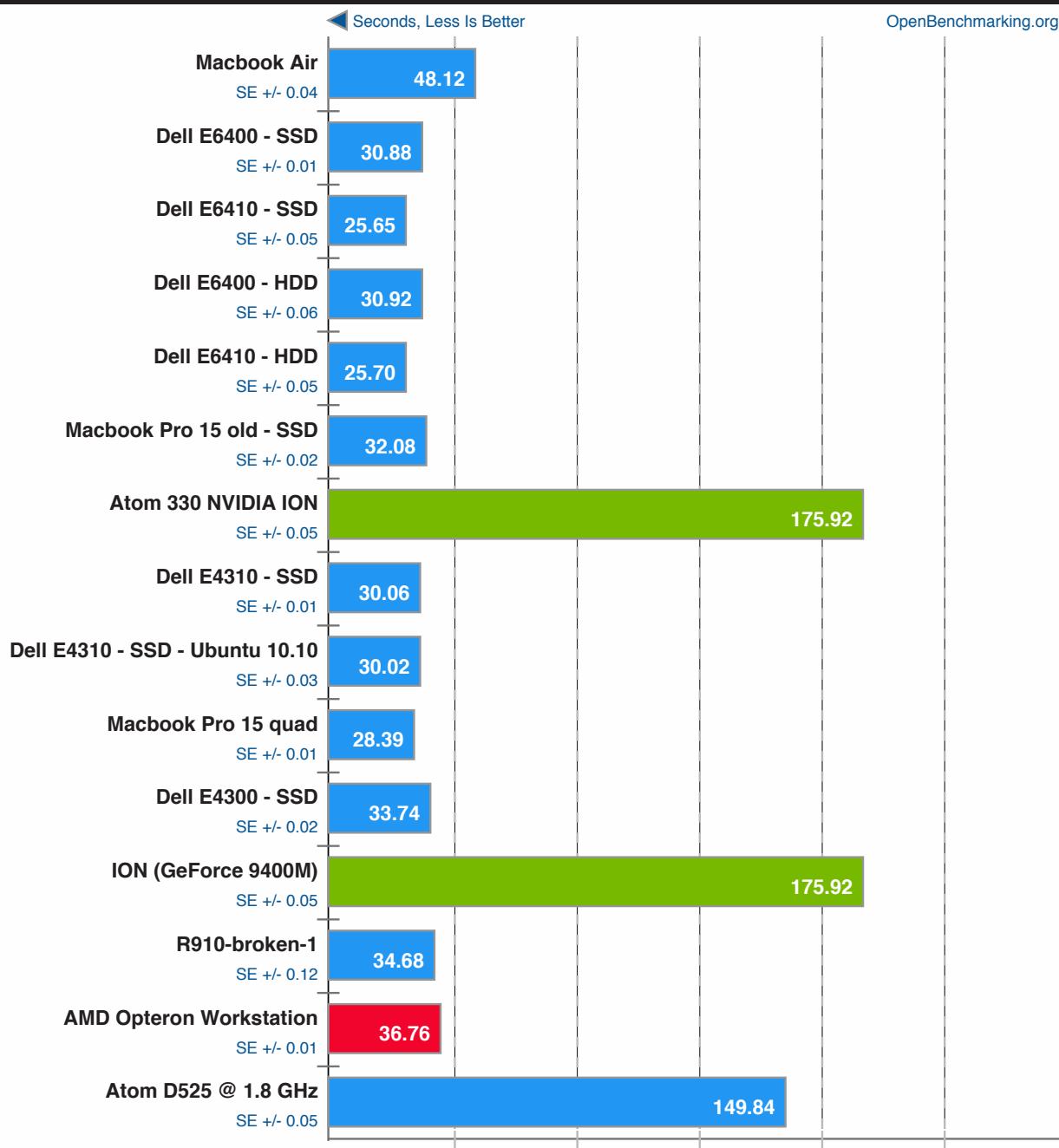
Phoronix Test Suite 7.0.0

Timed MAFFT Alignment v6.706

Multiple Sequence Alignment



OpenBenchmarking.org



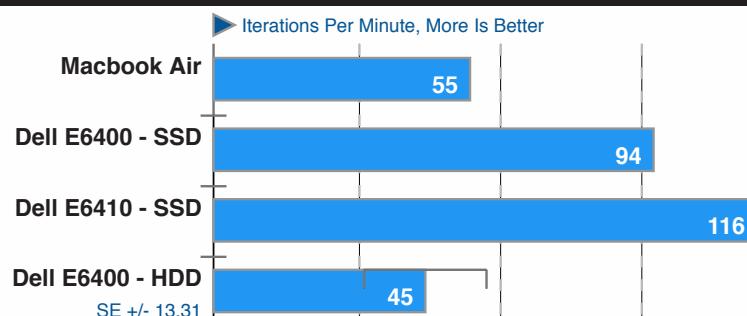
Phoronix Test Suite 7.0.0

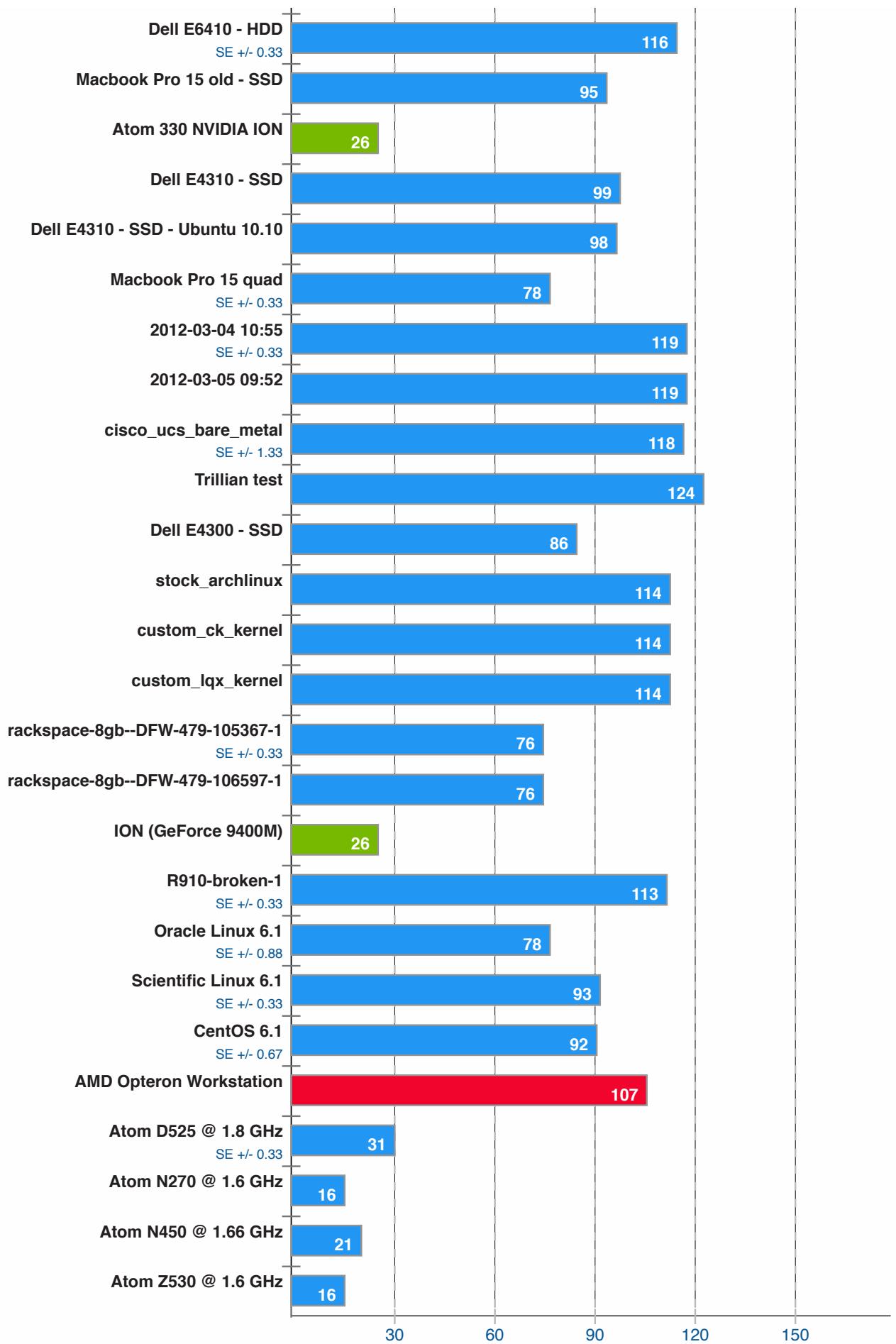
GraphicsMagick v1.3.12

Operation: HWB Color Space



OpenBenchmarking.org



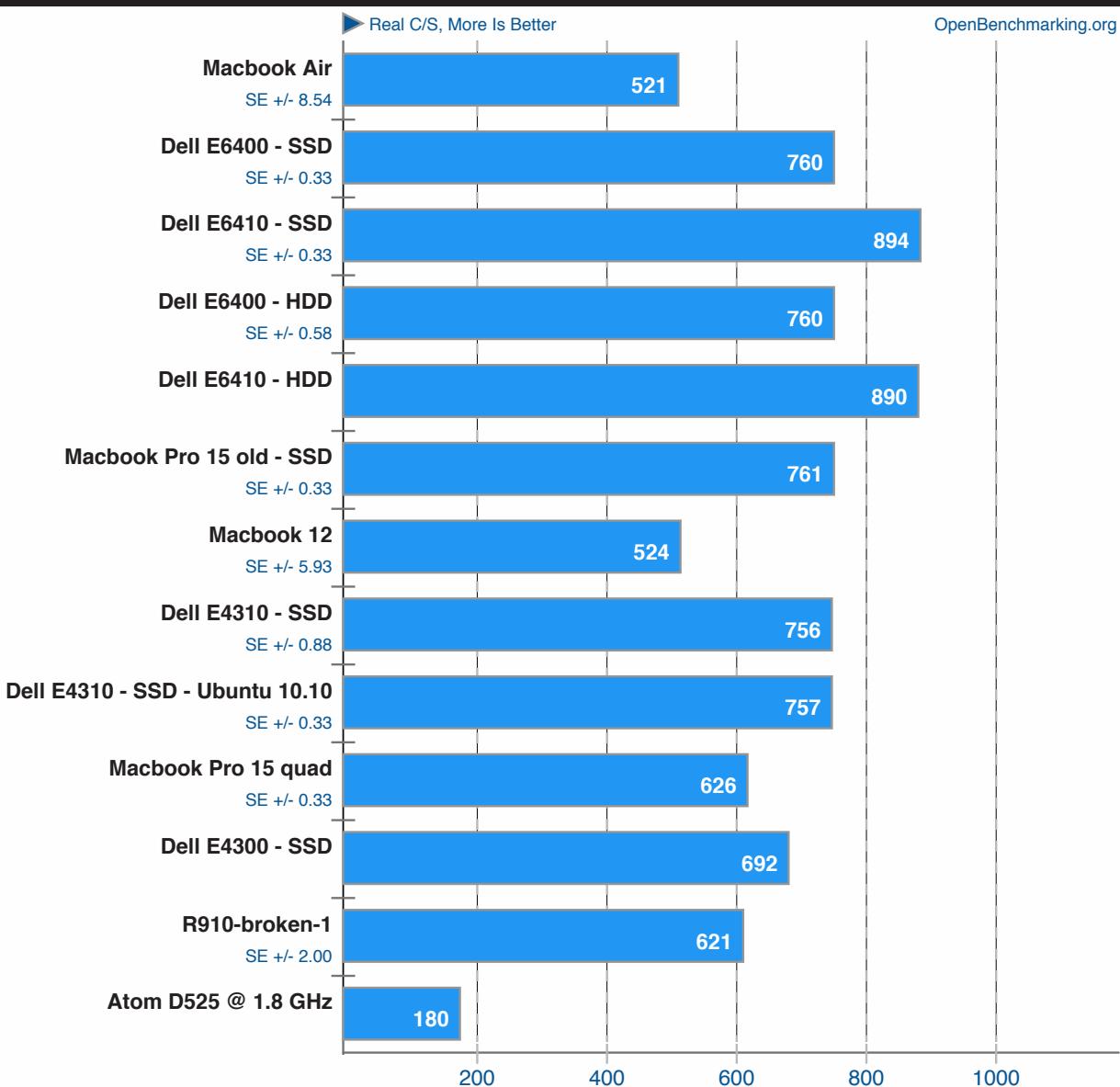


John The Ripper v1.7.3.1

Blowfish

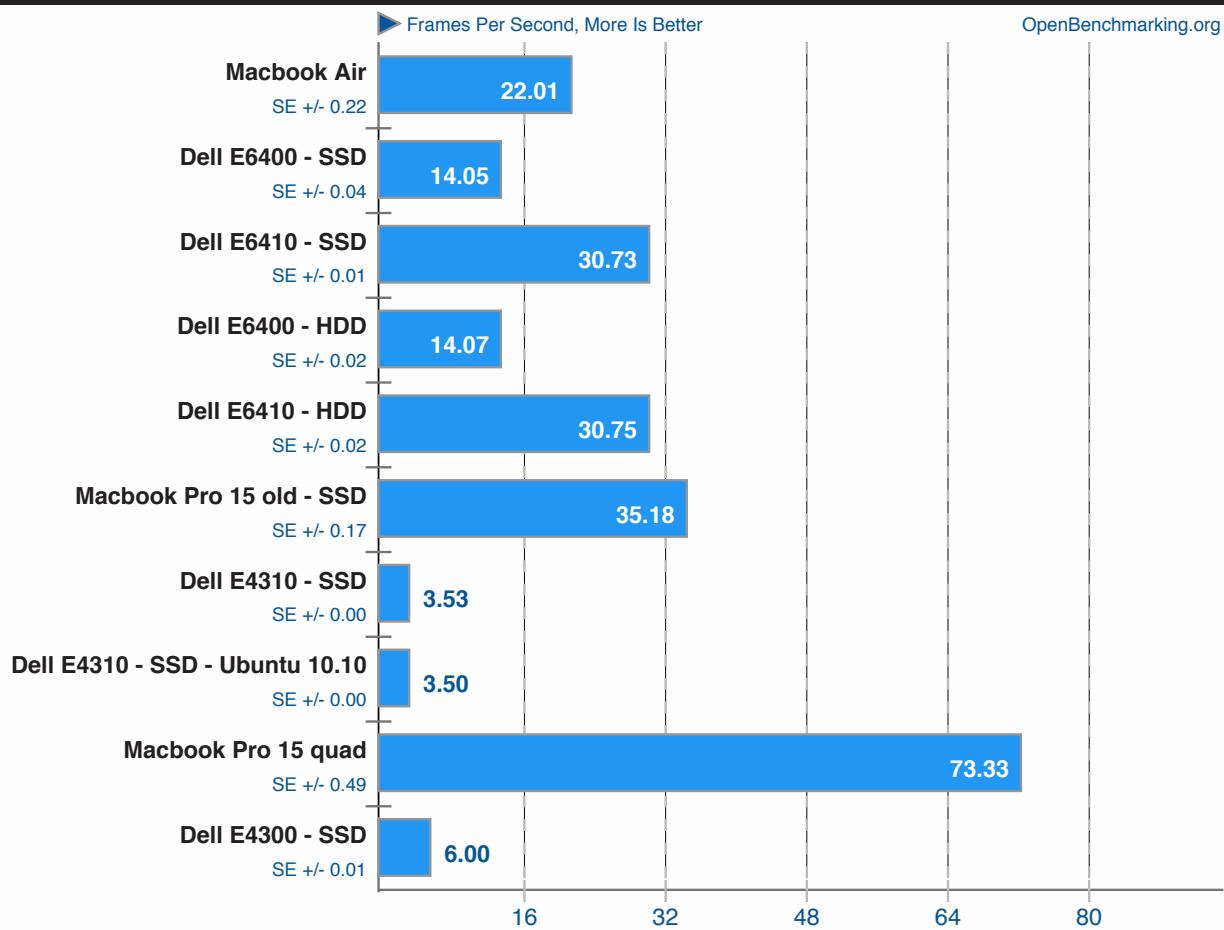
ptsli

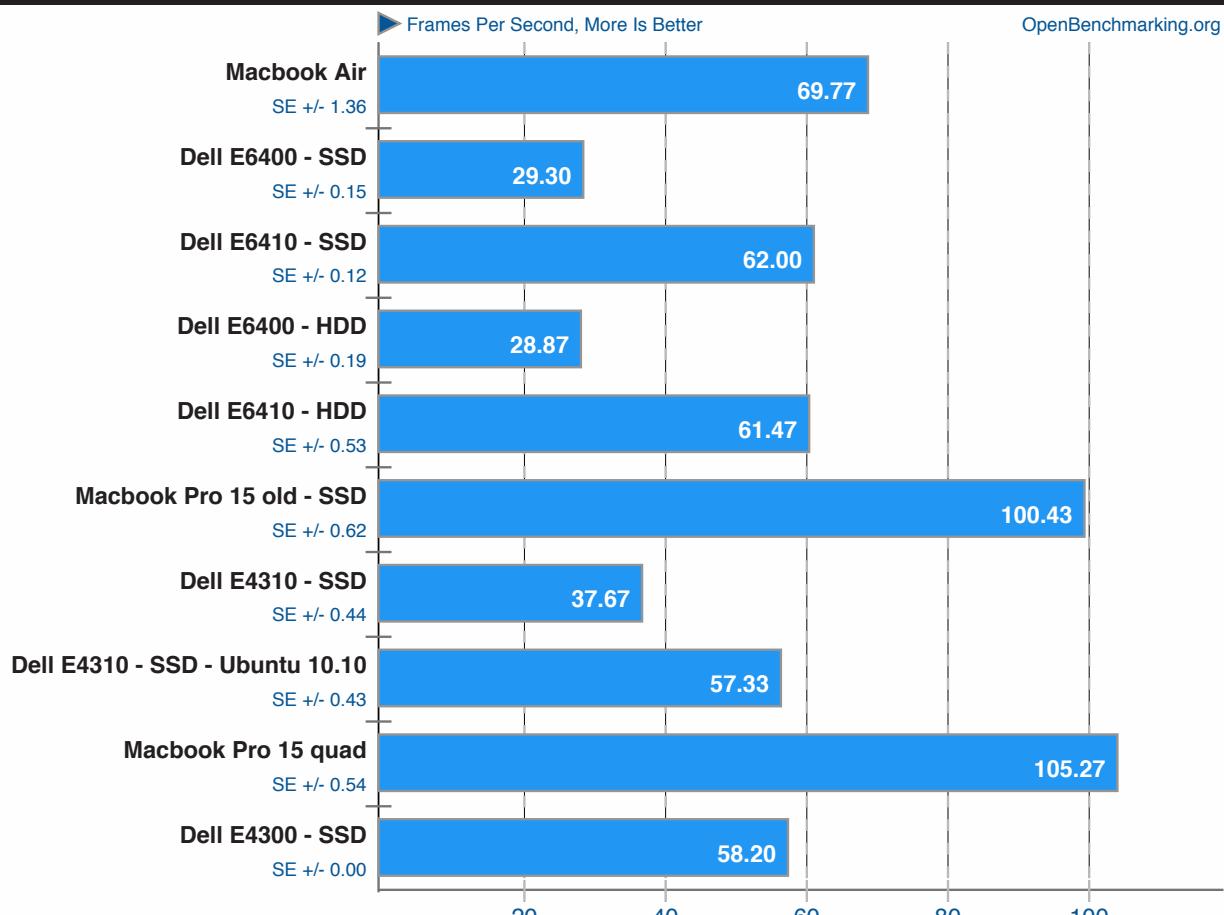
OpenBenchmarking.org

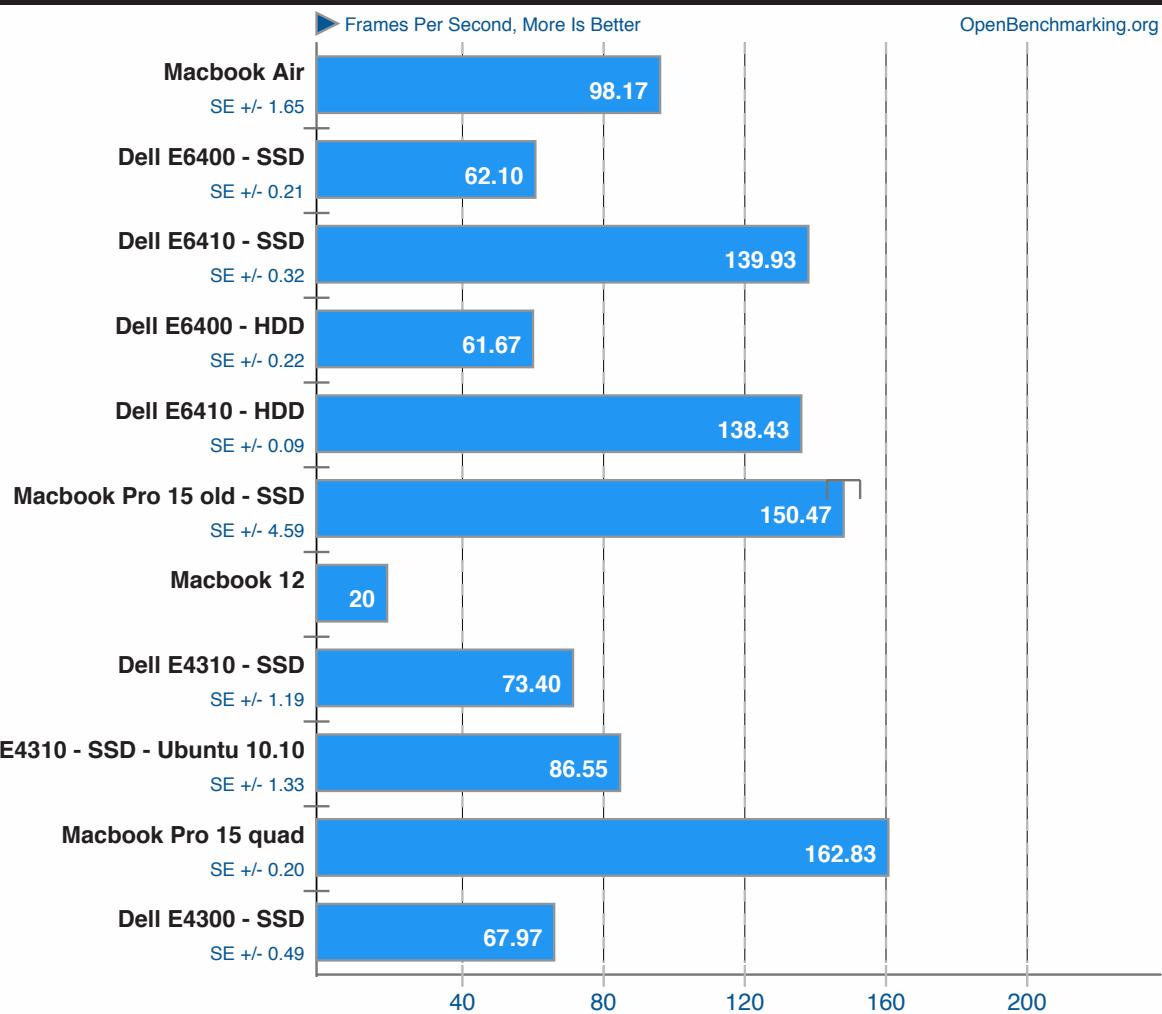


1. (CC) gcc options: -m64

Phoronix Test Suite 7.0.0





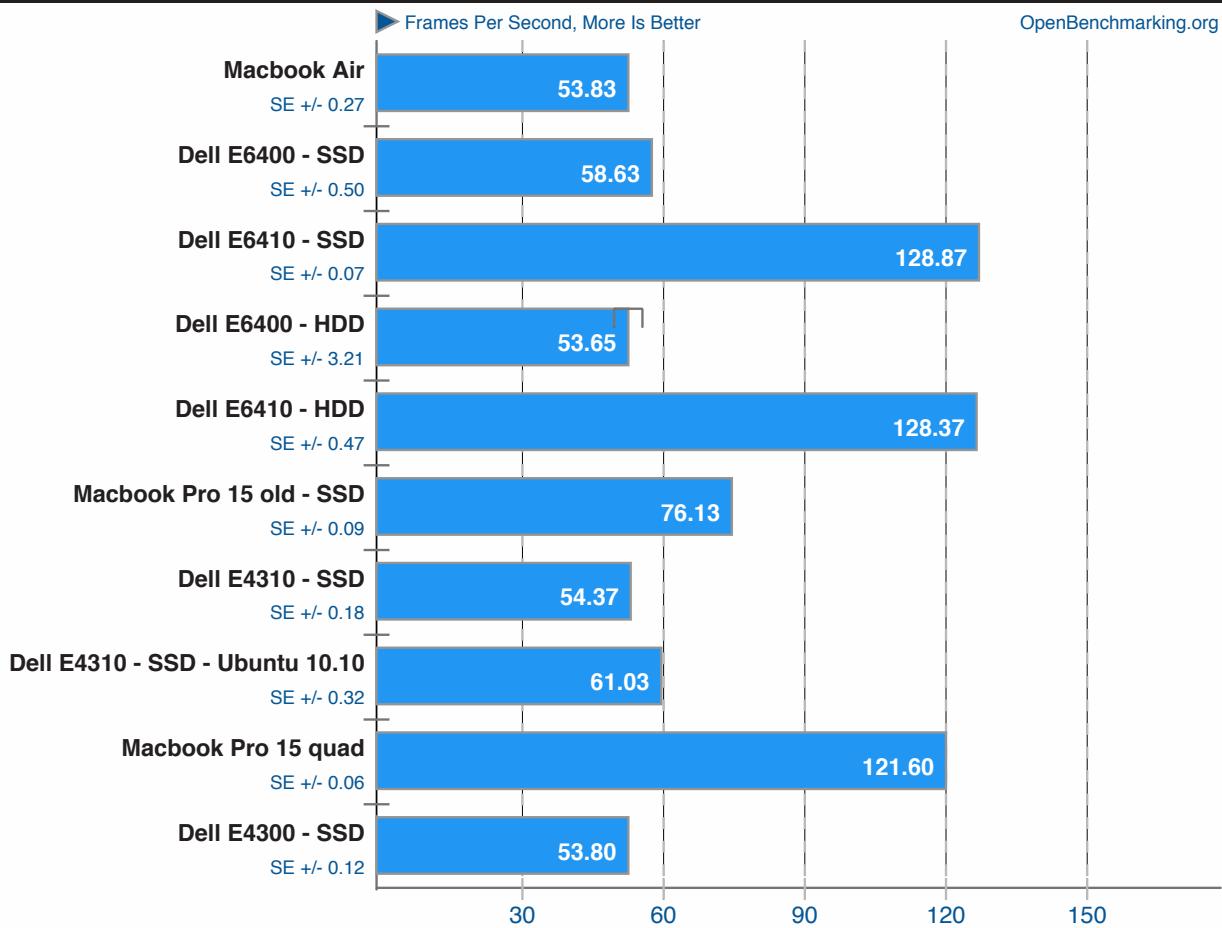


Urban Terror v4.1

1440 x 900

ptsli.

OpenBenchmarking.org



Phoronix Test Suite 7.0.0

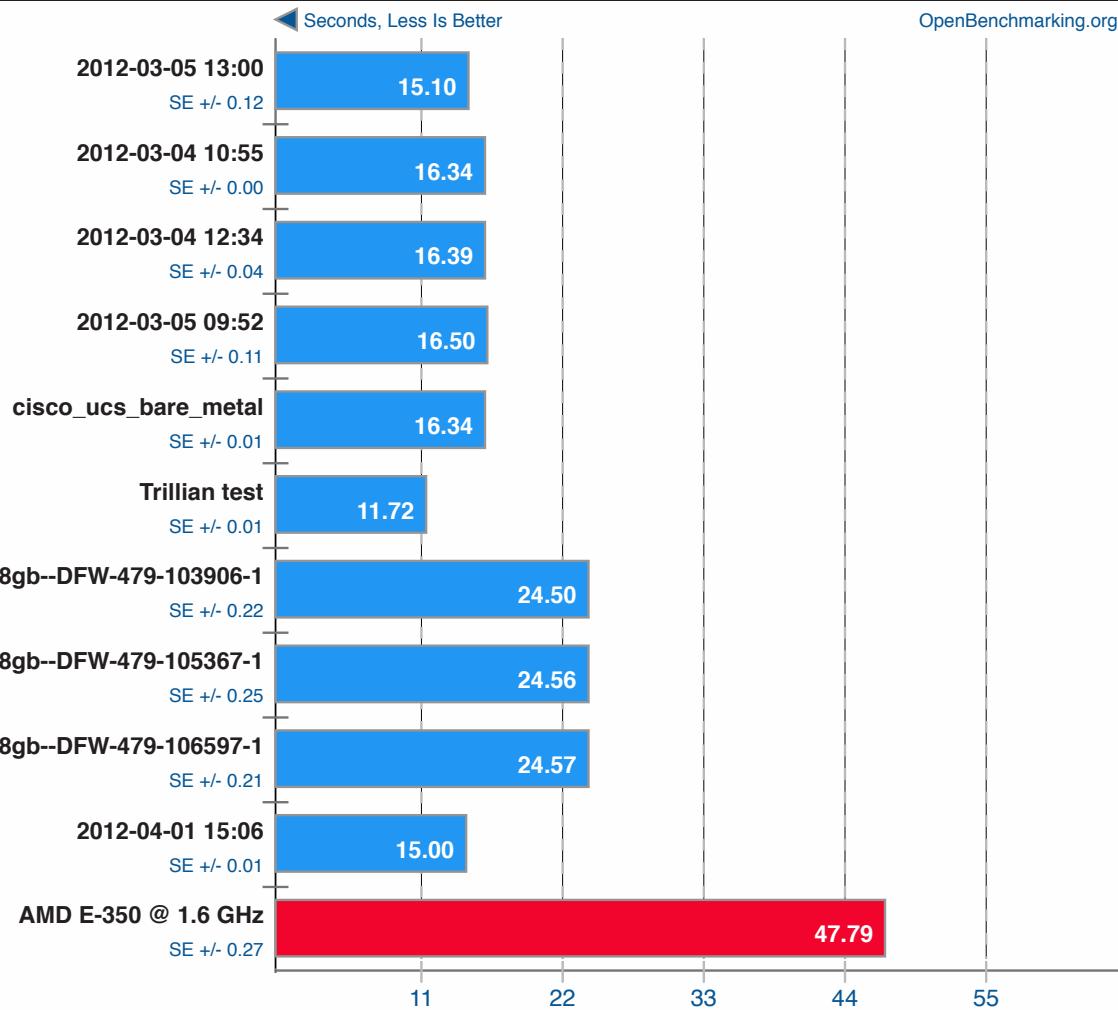


FFmpeg v0.10

AVI To NTSC VCD



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

1. (CC) gcc options: -lavdevice -lavfilter -lavformat -lavcodec -lswresample -lswscale -lavutil -ldl -lm -pthread -lbz2

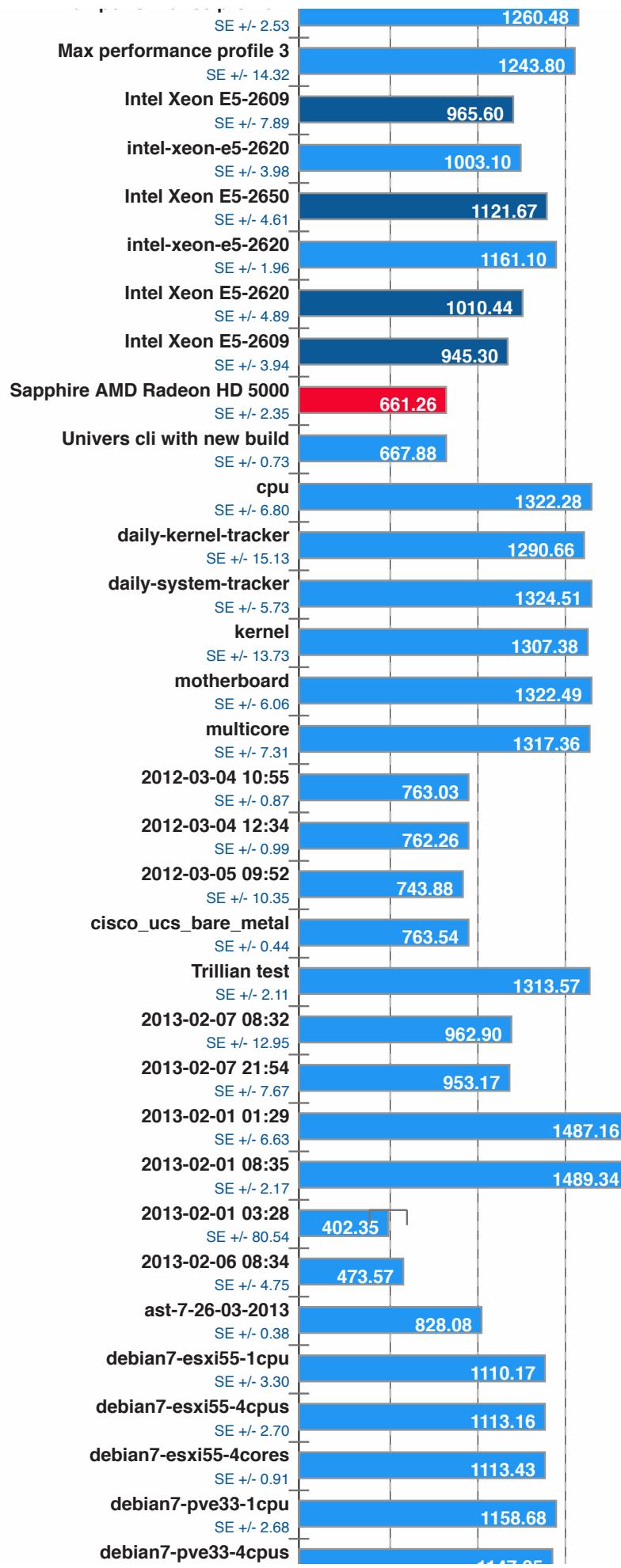
Himeno Benchmark v3.0

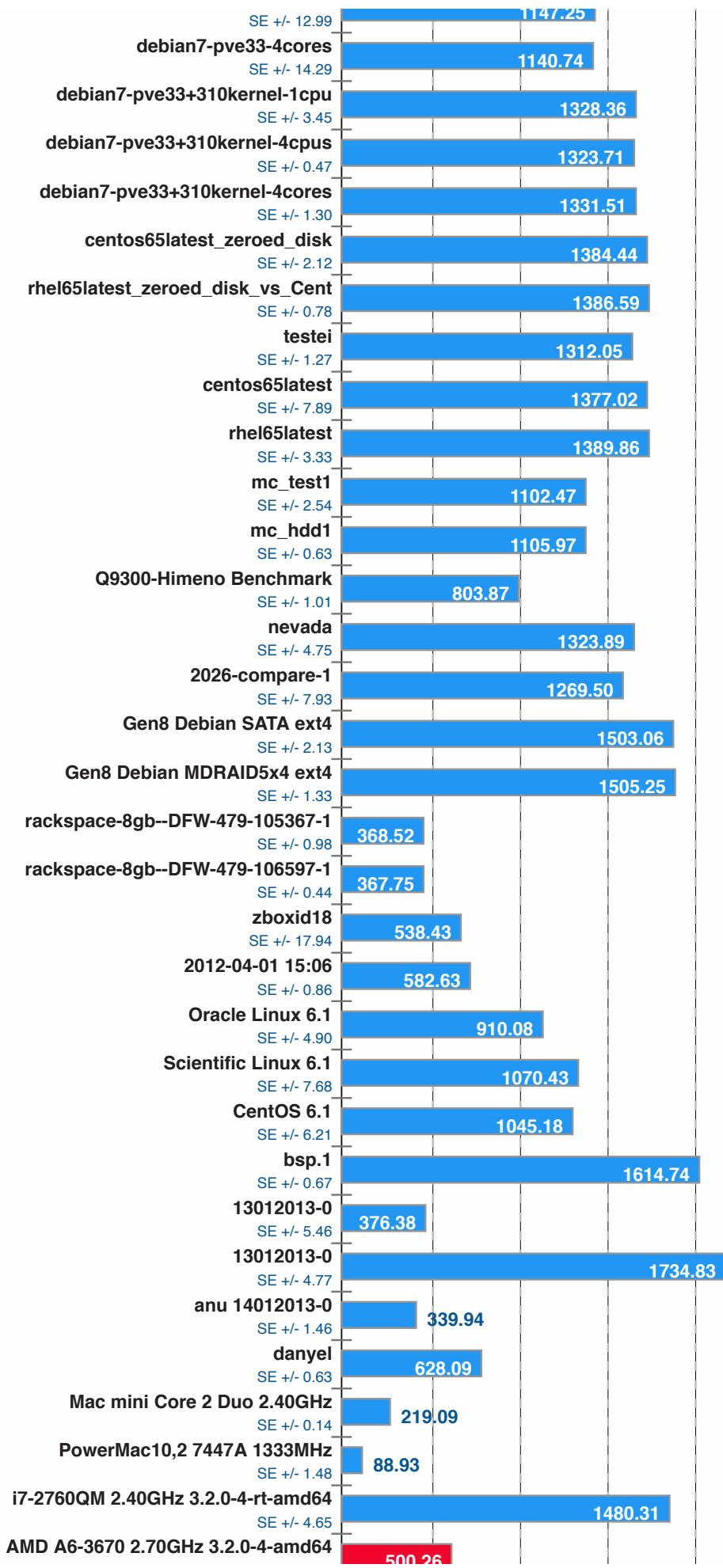
Poisson Pressure Solver

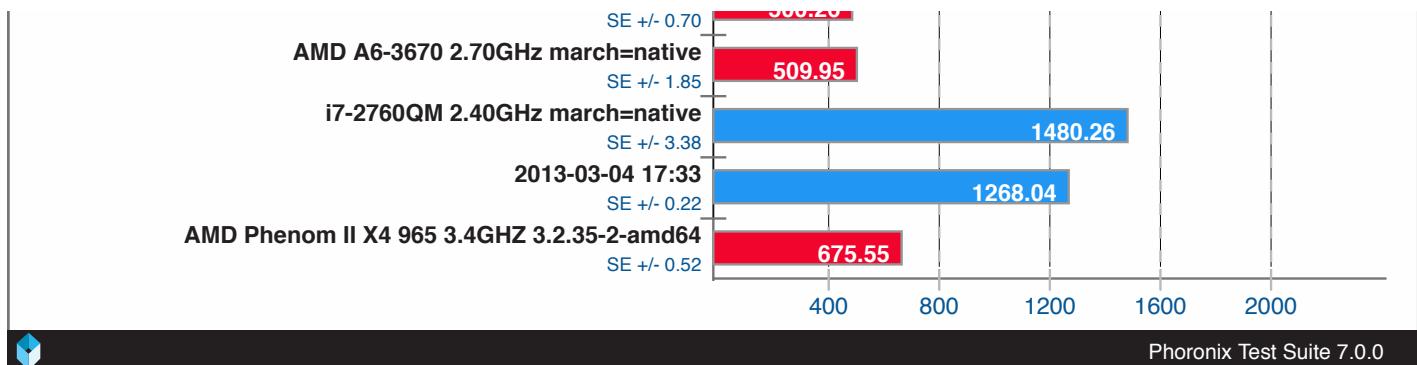


OpenBenchmarking.org









Phoronix Test Suite 7.0.0

Timed Linux Kernel Compilation v4.3

Time To Compile



OpenBenchmarking.org

Seconds, Less Is Better

Broadwell-DE 1587 SM
SE +/- 1.02

54.82

Broadwell-DE 1587 SM 05
SE +/- 0.88

54.44

Broadwell-DE 1587 SM 06
SE +/- 0.94

54.64

Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit
SE +/- 1.67

235.40

Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260
SE +/- 0.99

224.75

cpu-flo-1-grevy
SE +/- 1.05

295.38

cpu-flo-1-carnot
SE +/- 0.48

82.40

cpu-flo-1-macmahon
SE +/- 2.80

152.54

sysrec
SE +/- 2.89

375.31

Gen8 Debian SATA ext4
SE +/- 2.48

182.81

Gen8 Debian MDRAID5x4 ext4
SE +/- 1.49

181.28

SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection
SE +/- 0.59

210.46

LaTortuga
SE +/- 1.31

141.60

cpu_test_1
SE +/- 0.94

103.85

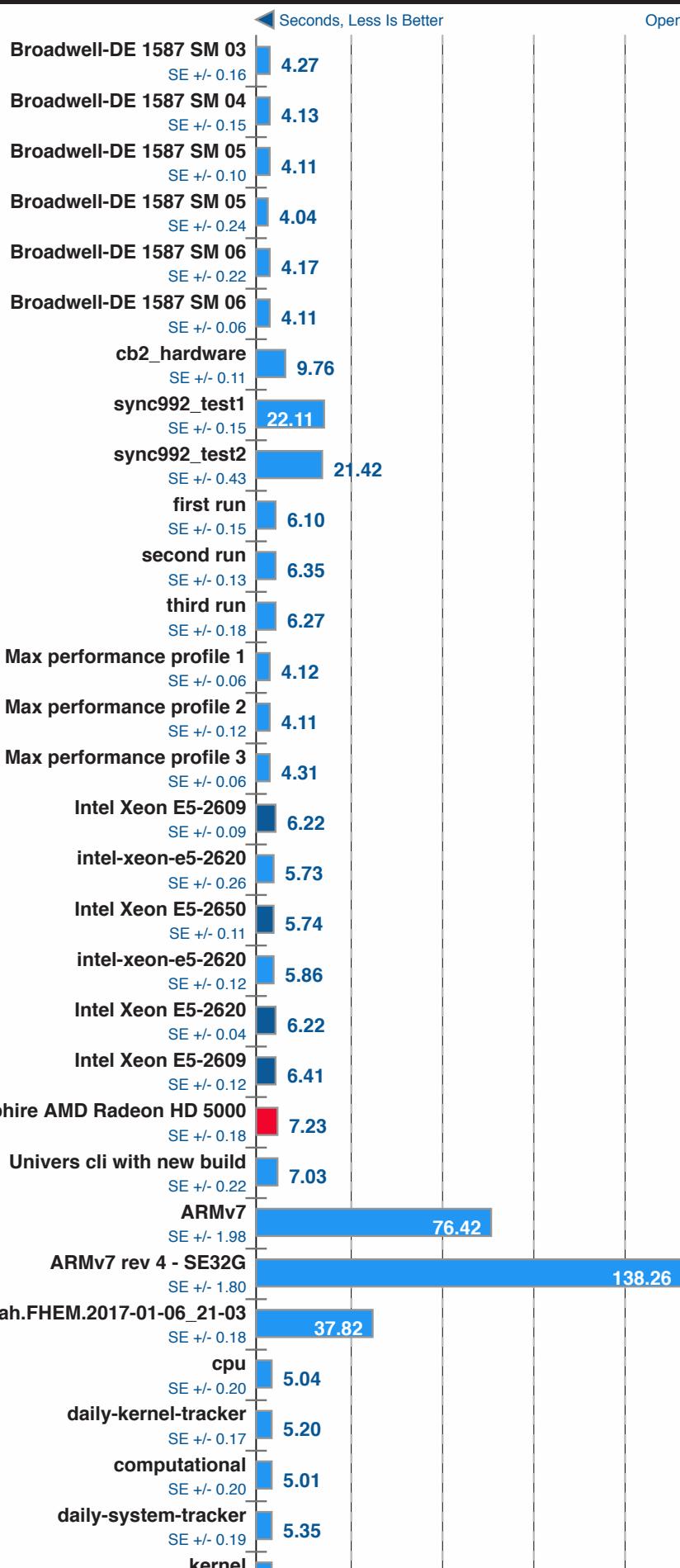
gamingServer-first-run
SE +/- 0.93

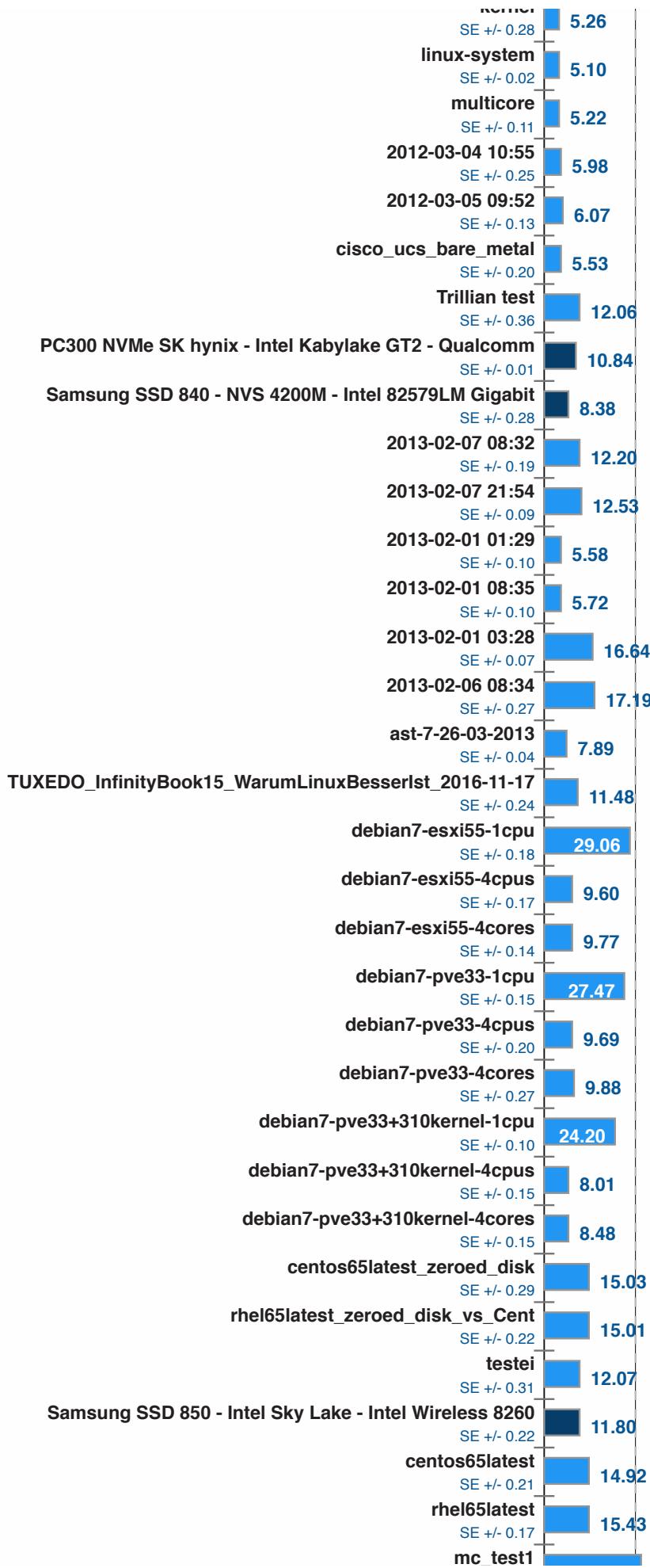
48.42

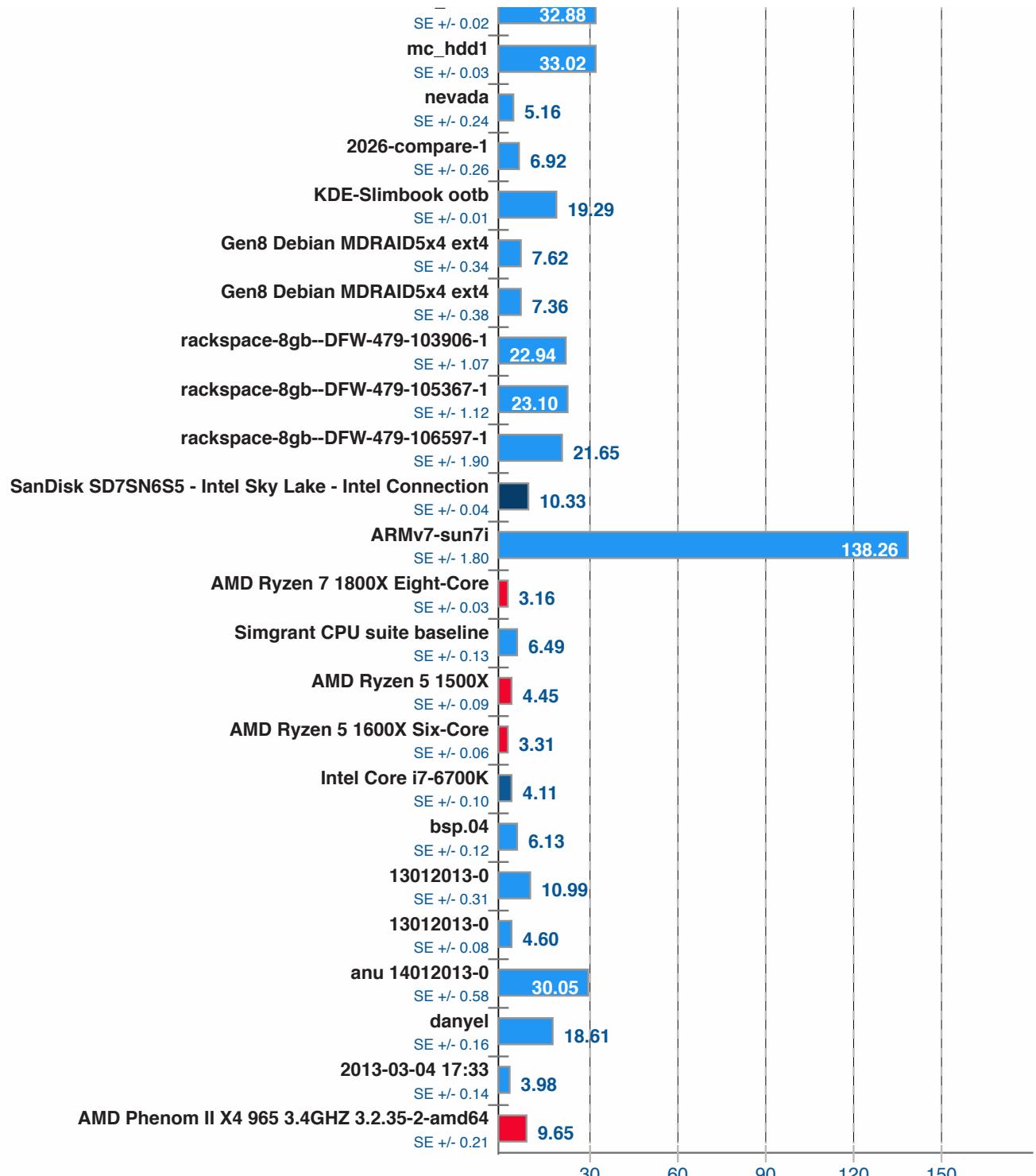
Phoronix Test Suite 7.0.0

Timed MAFFT Alignment v6.864









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

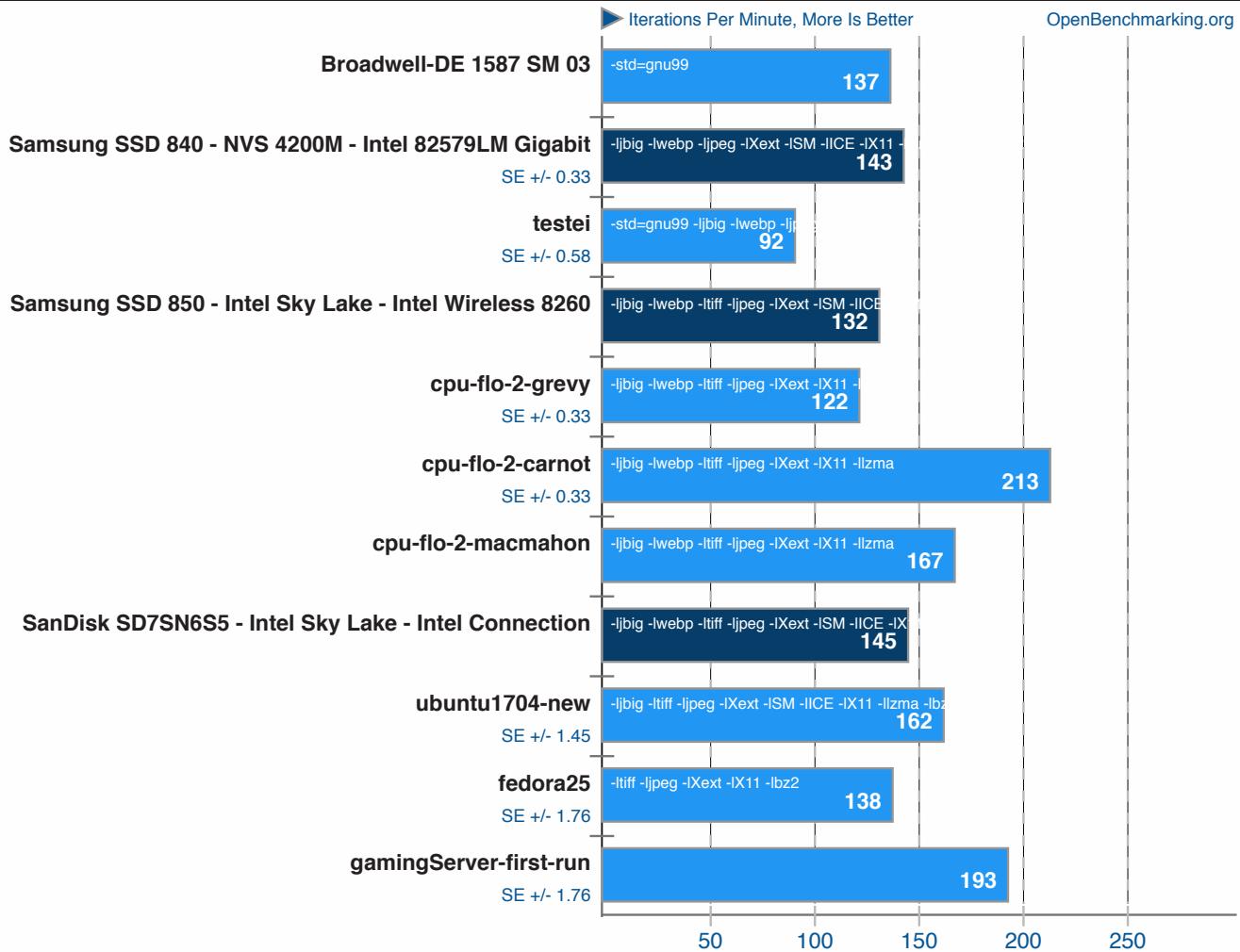
Phoronix Test Suite 7.0.0

GraphicsMagick v1.3.19

Operation: Resizing



OpenBenchmarking.org



1. (CC) gcc options: -fopenmp -O2 -pthread -lz -lm -lgomp -lpthread

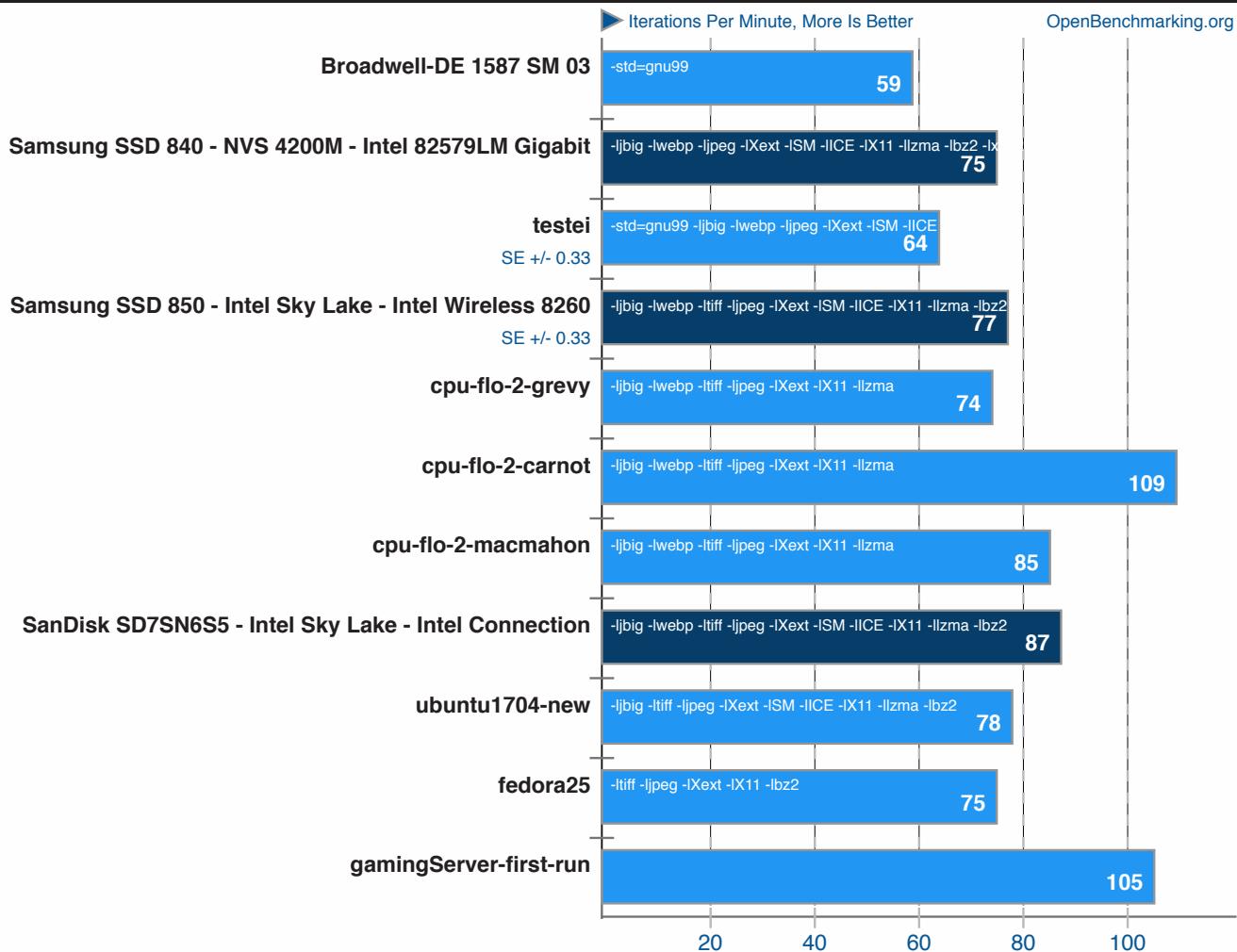
Phoronix Test Suite 7.0.0

GraphicsMagick v1.3.19

Operation: Local Adaptive Thresholding



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

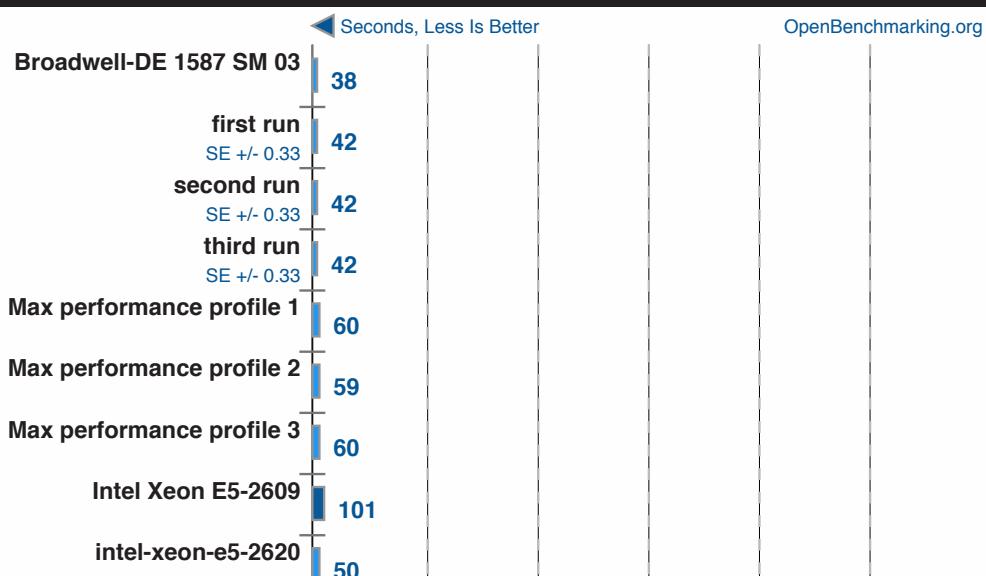
1. (CC) gcc options: -fopenmp -O2 -pthread -lz -lm -lgomp -lpthread

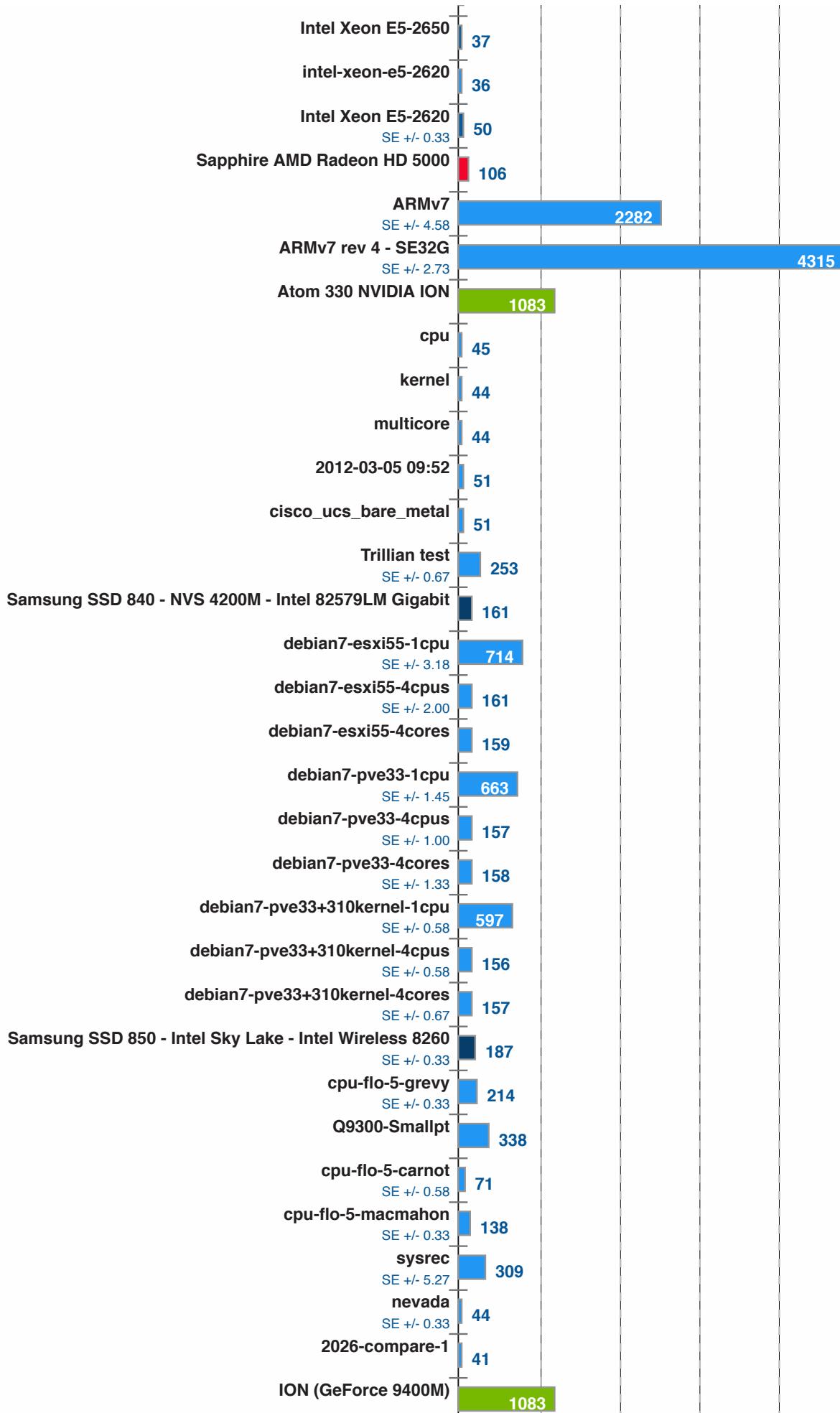
Smallpt v1.0

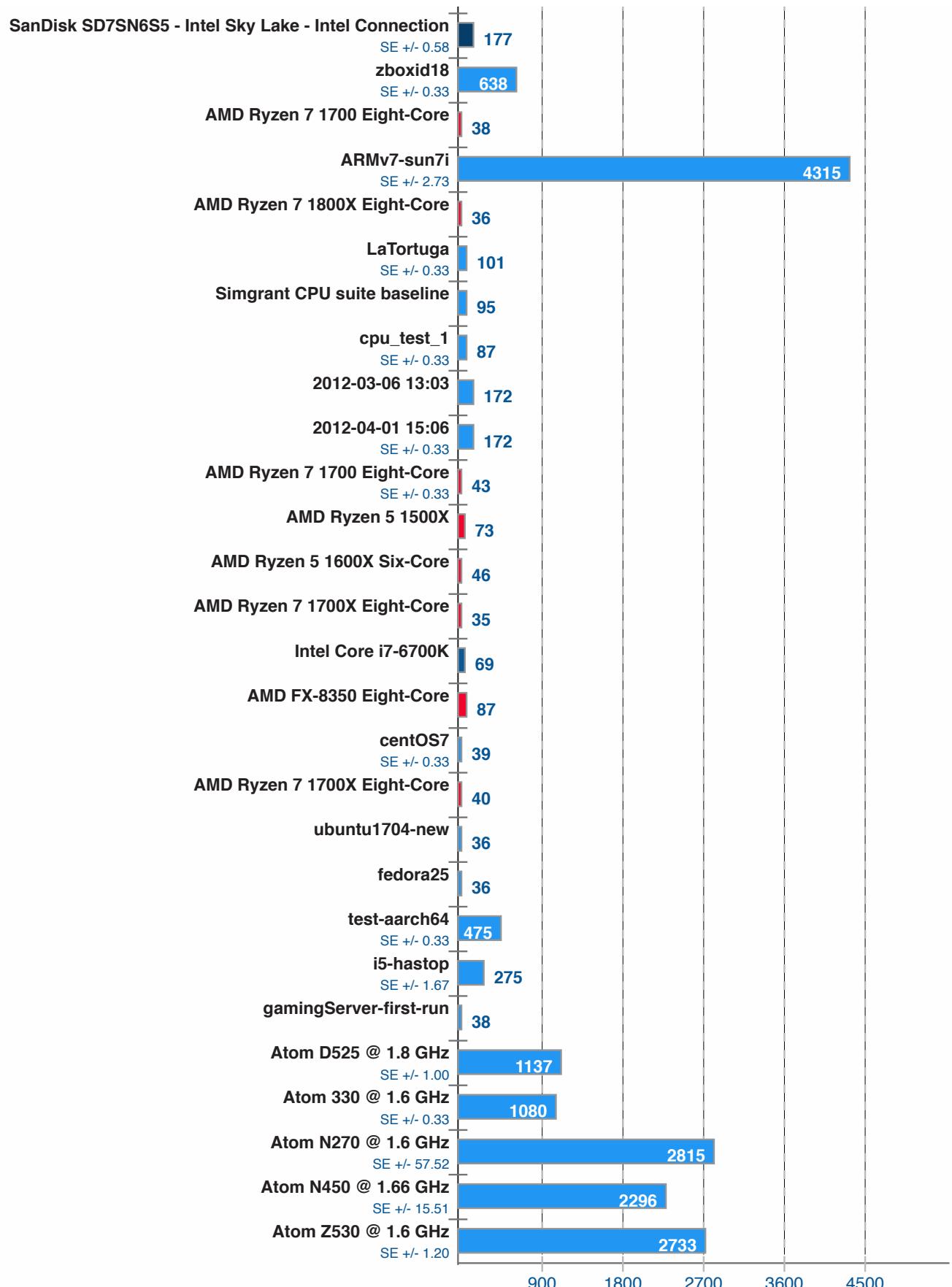
Global Illumination Renderer; 100 Samples



OpenBenchmarking.org





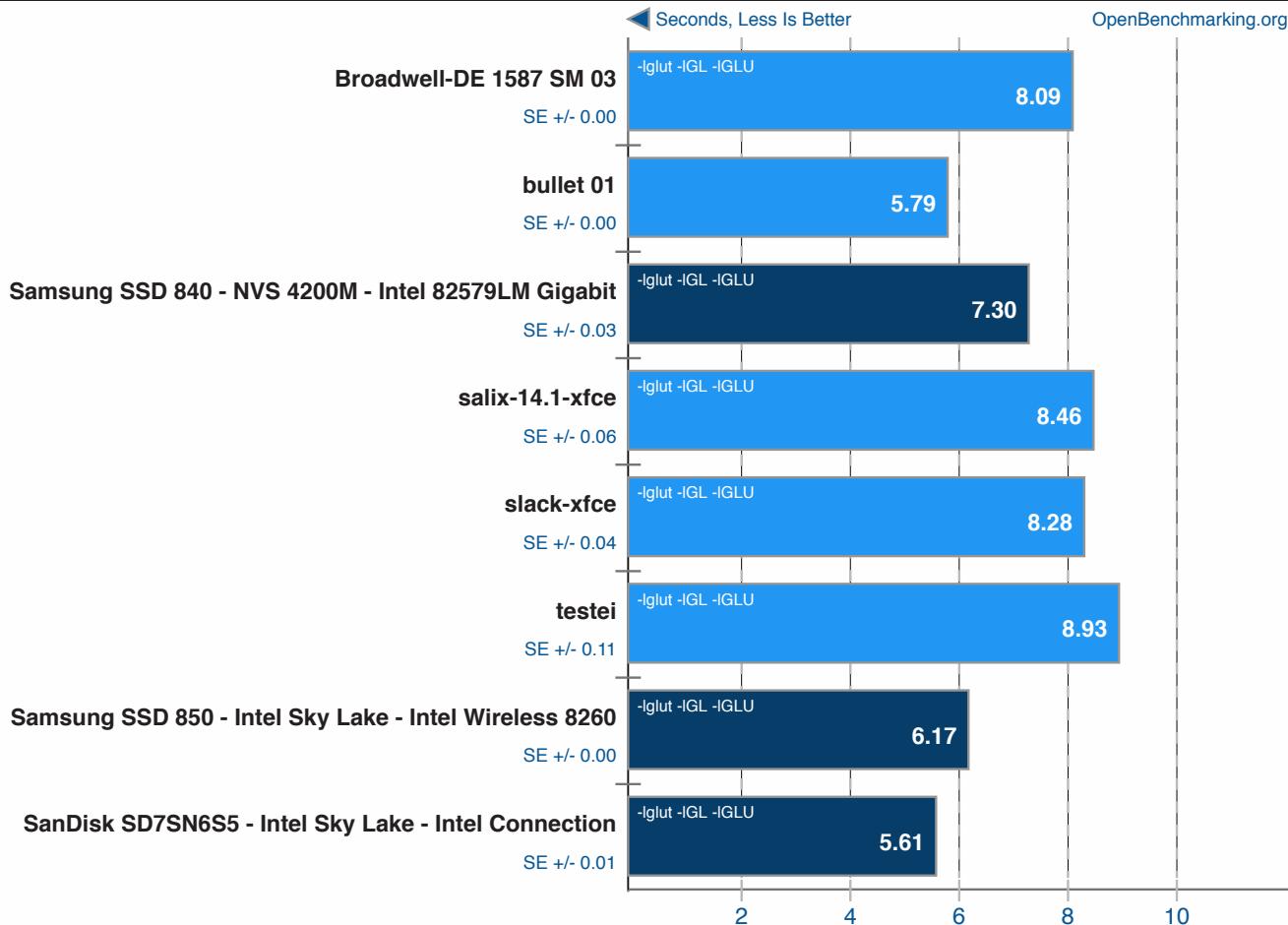


Bullet Physics Engine v2.81

Test: 1000 Convex



OpenBenchmarking.org



1. (CXX) g++ options: -O3 -rdynamic

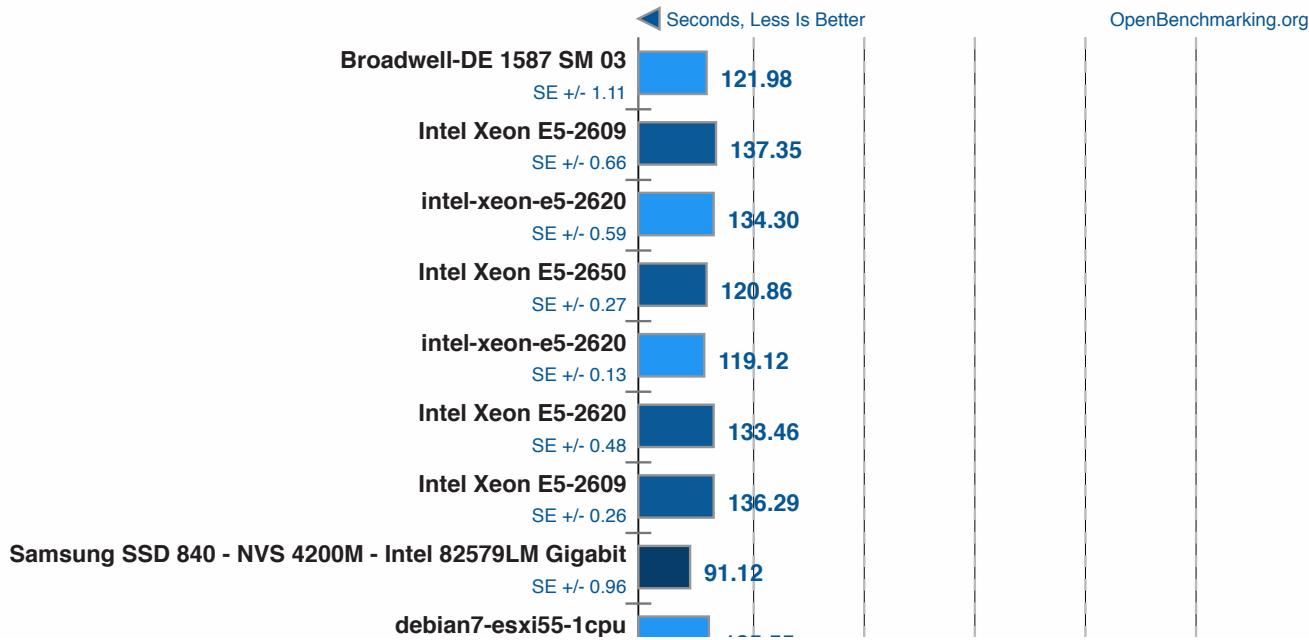
Phoronix Test Suite 7.0.0

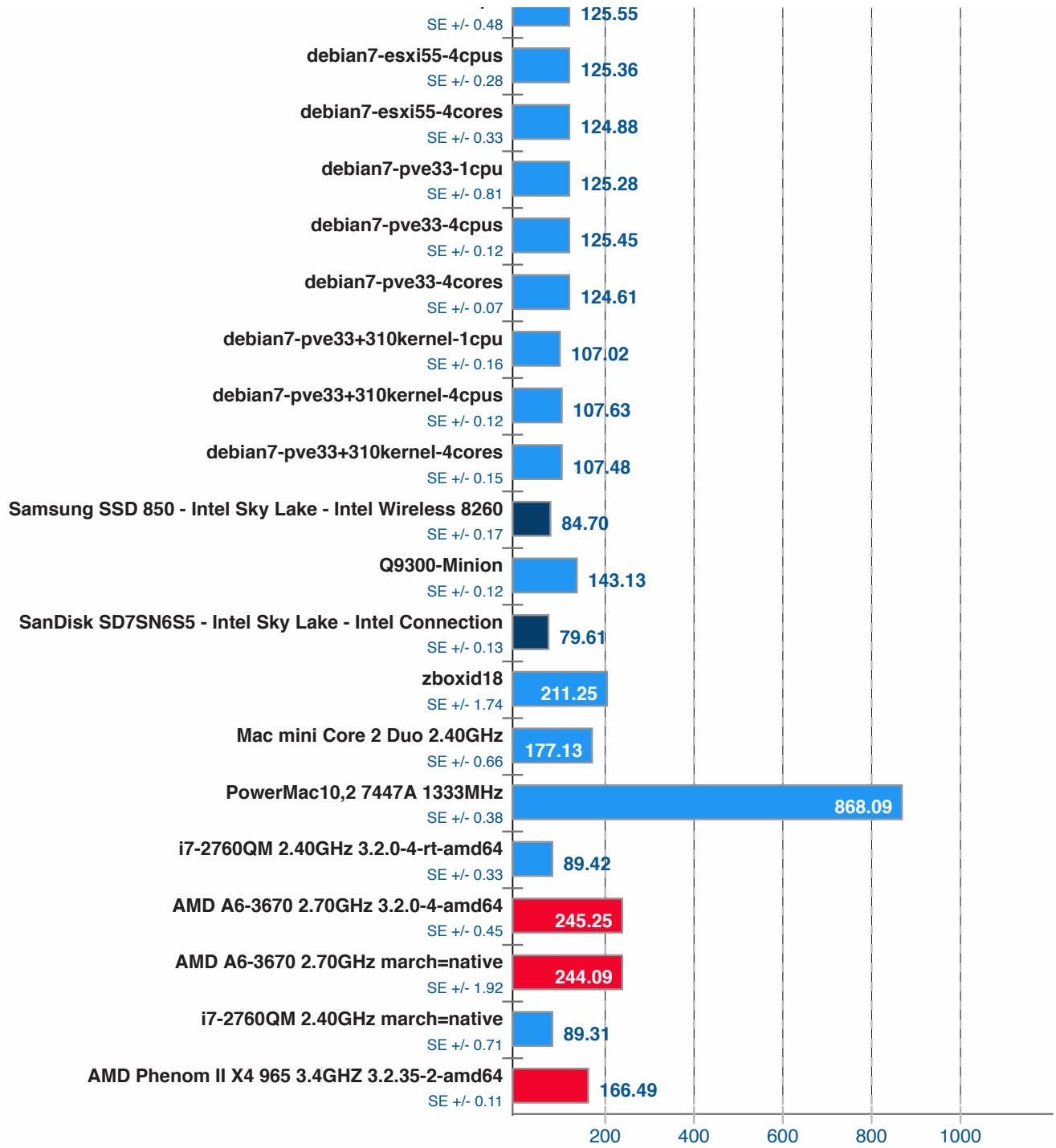
Minion v0.15

Benchmark: Solitaire



OpenBenchmarking.org



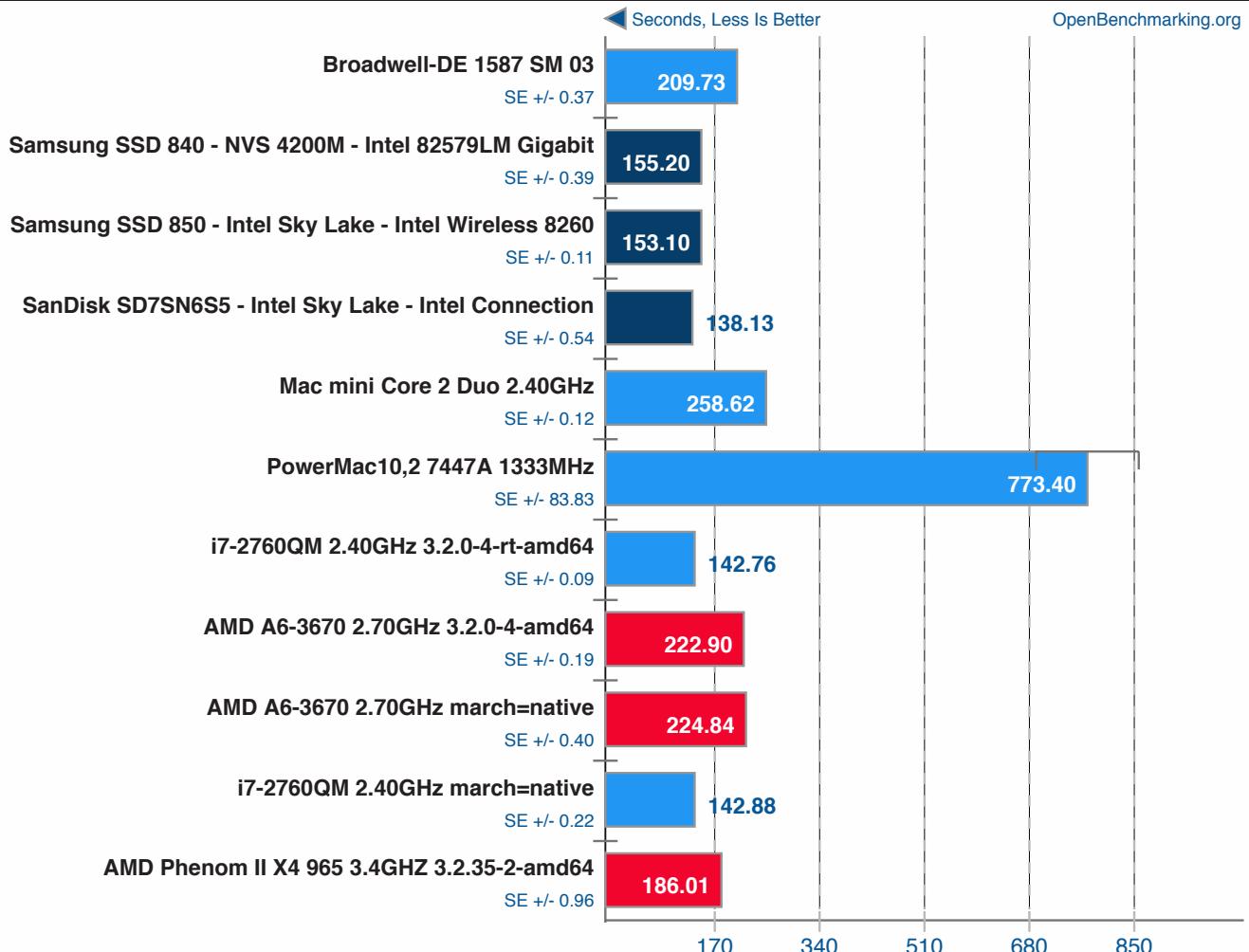


Minion v0.15

Benchmark: Quasigroup



OpenBenchmarking.org



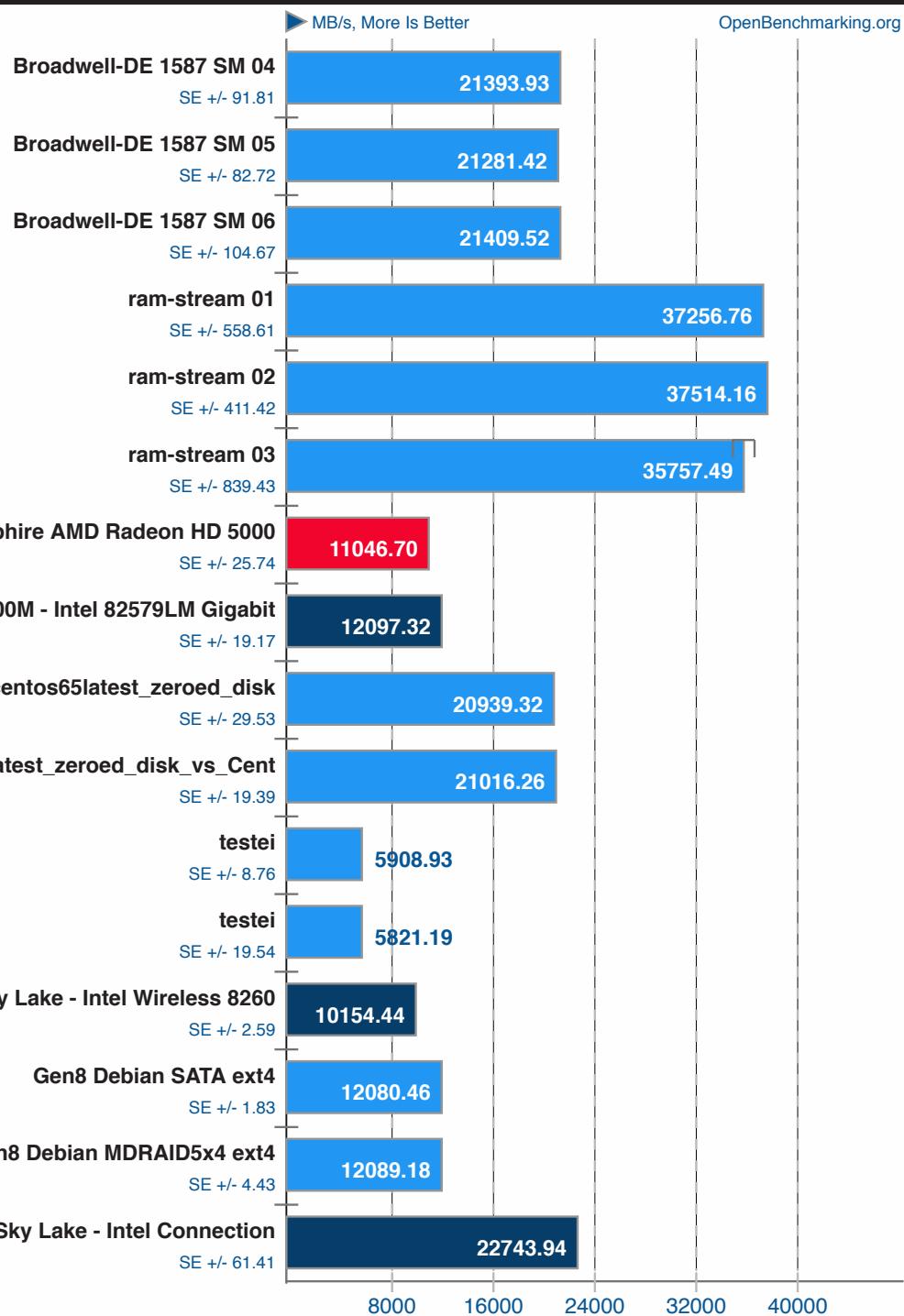
Phoronix Test Suite 7.0.0

Stream v2013-01-17

Type: Copy

ptsli

OpenBenchmarking.org



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

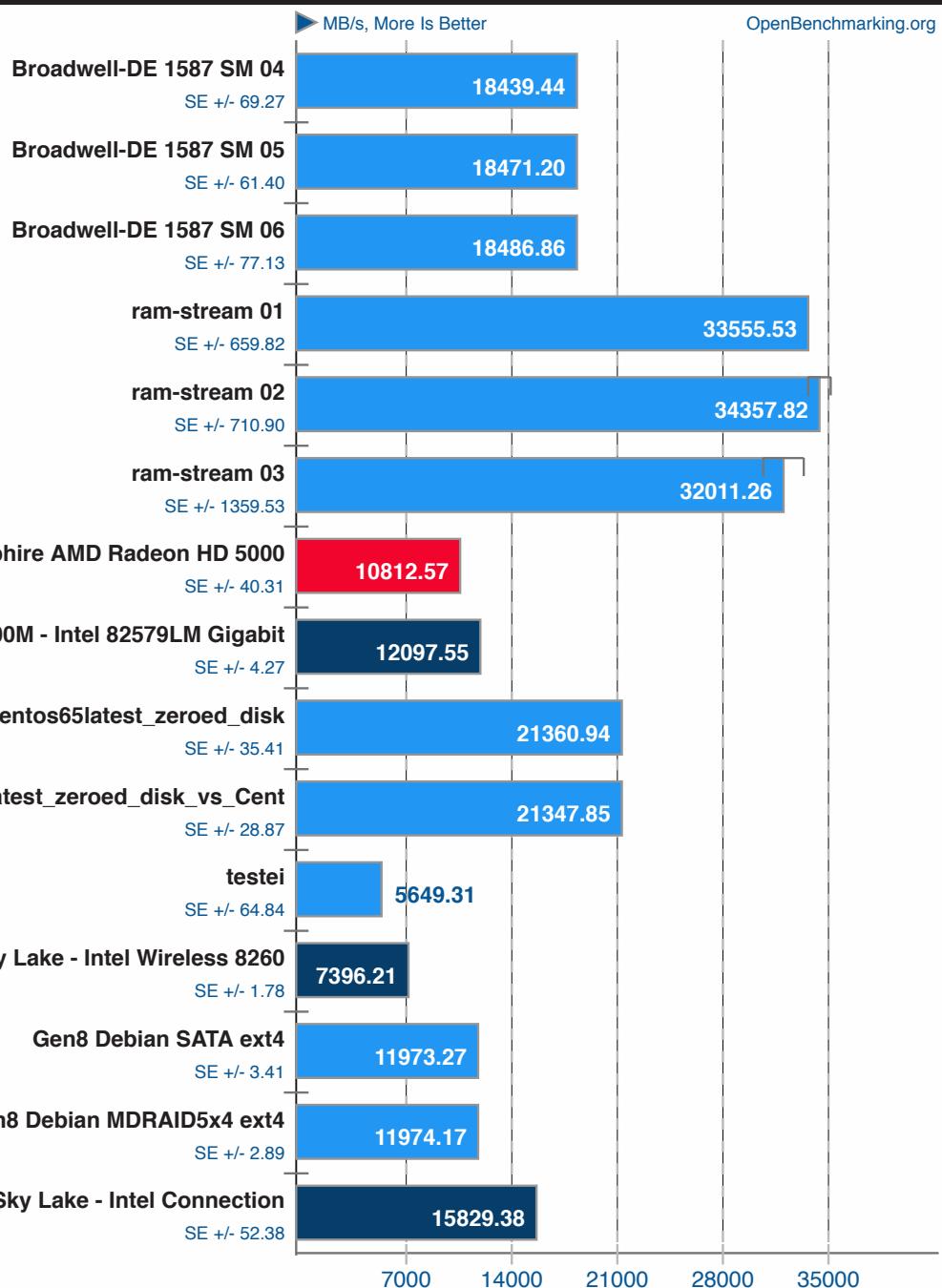
Phoronix Test Suite 7.0.0

Stream v2013-01-17

Type: Scale



OpenBenchmarking.org



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

Phoronix Test Suite 7.0.0

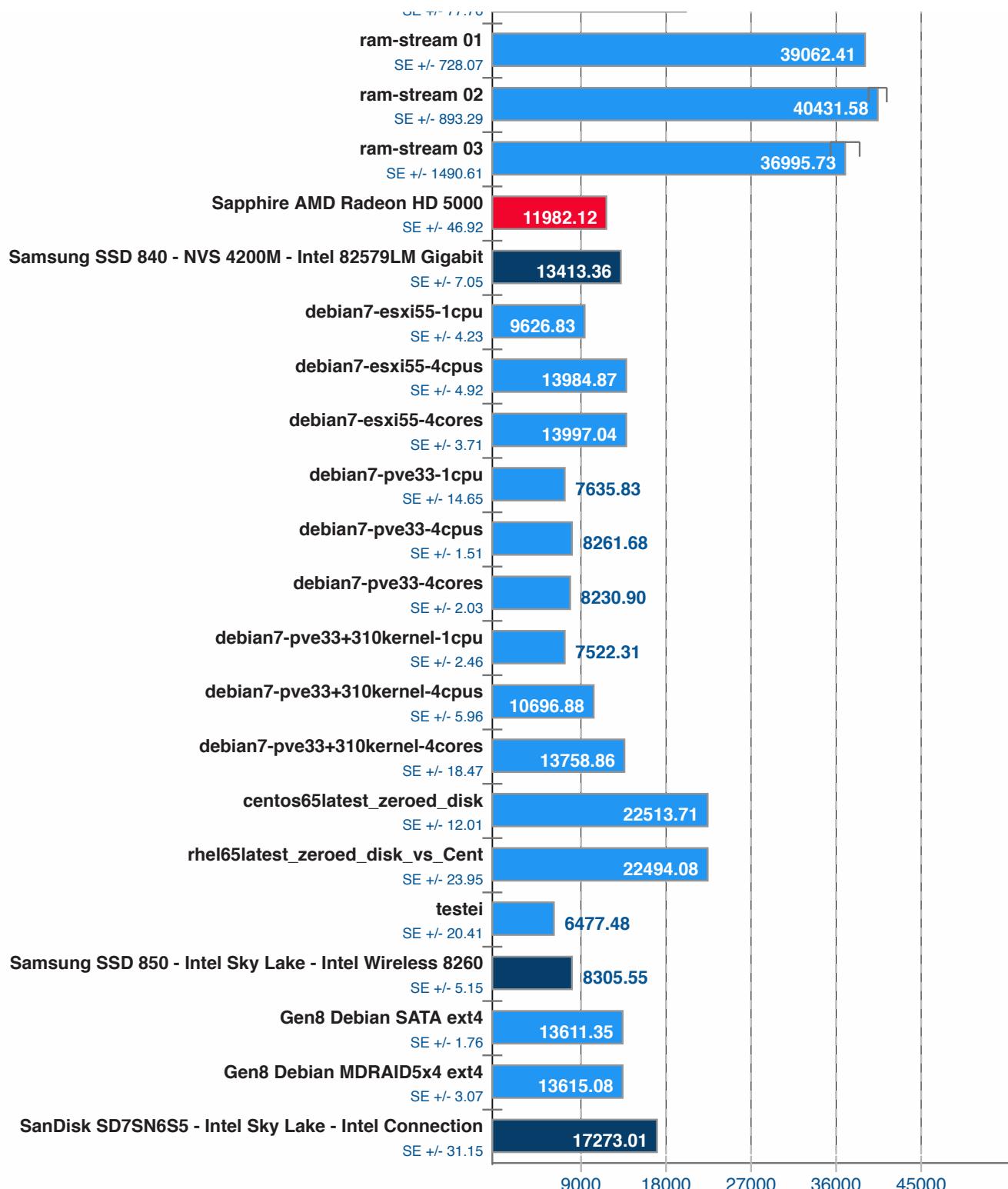
Stream v2013-01-17

Type: Triad



OpenBenchmarking.org





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

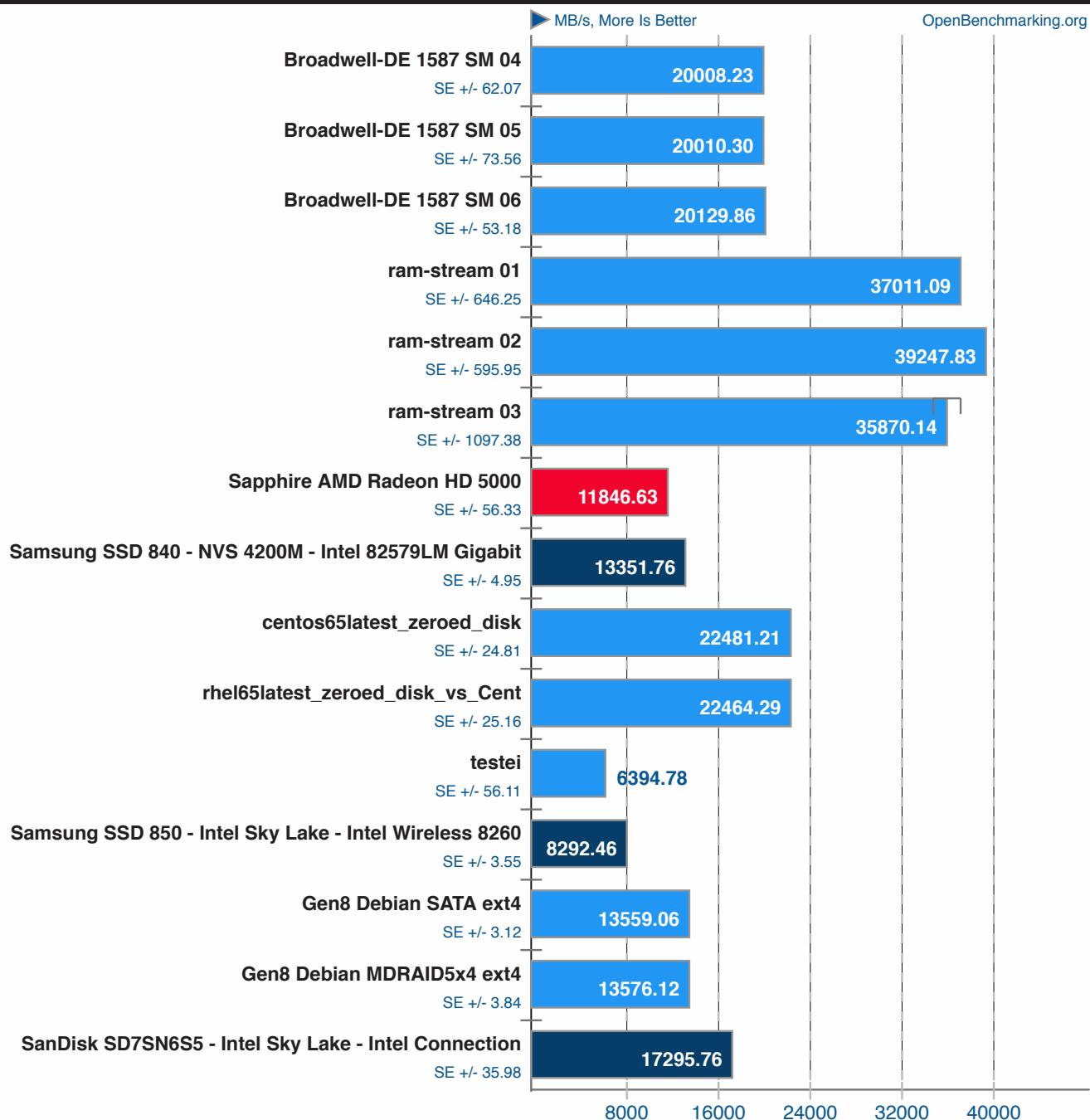
Phoronix Test Suite 7.0.0

Stream v2013-01-17

Type: Add



OpenBenchmarking.org



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

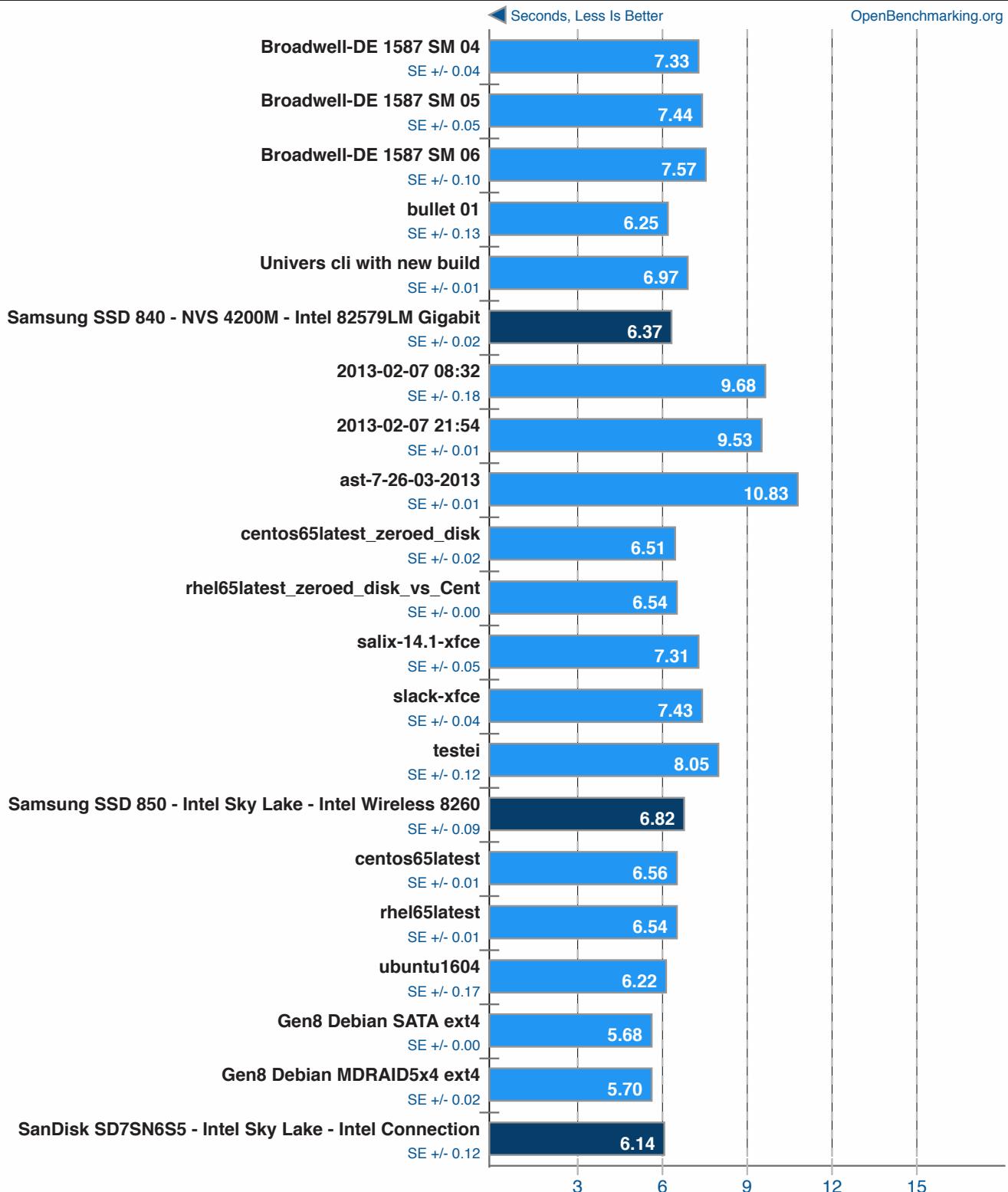
Phoronix Test Suite 7.0.0

Bullet Physics Engine v2.81

Test: 3000 Fall



OpenBenchmarking.org



1. (CXX) g++ options: -O3 -rdynamic

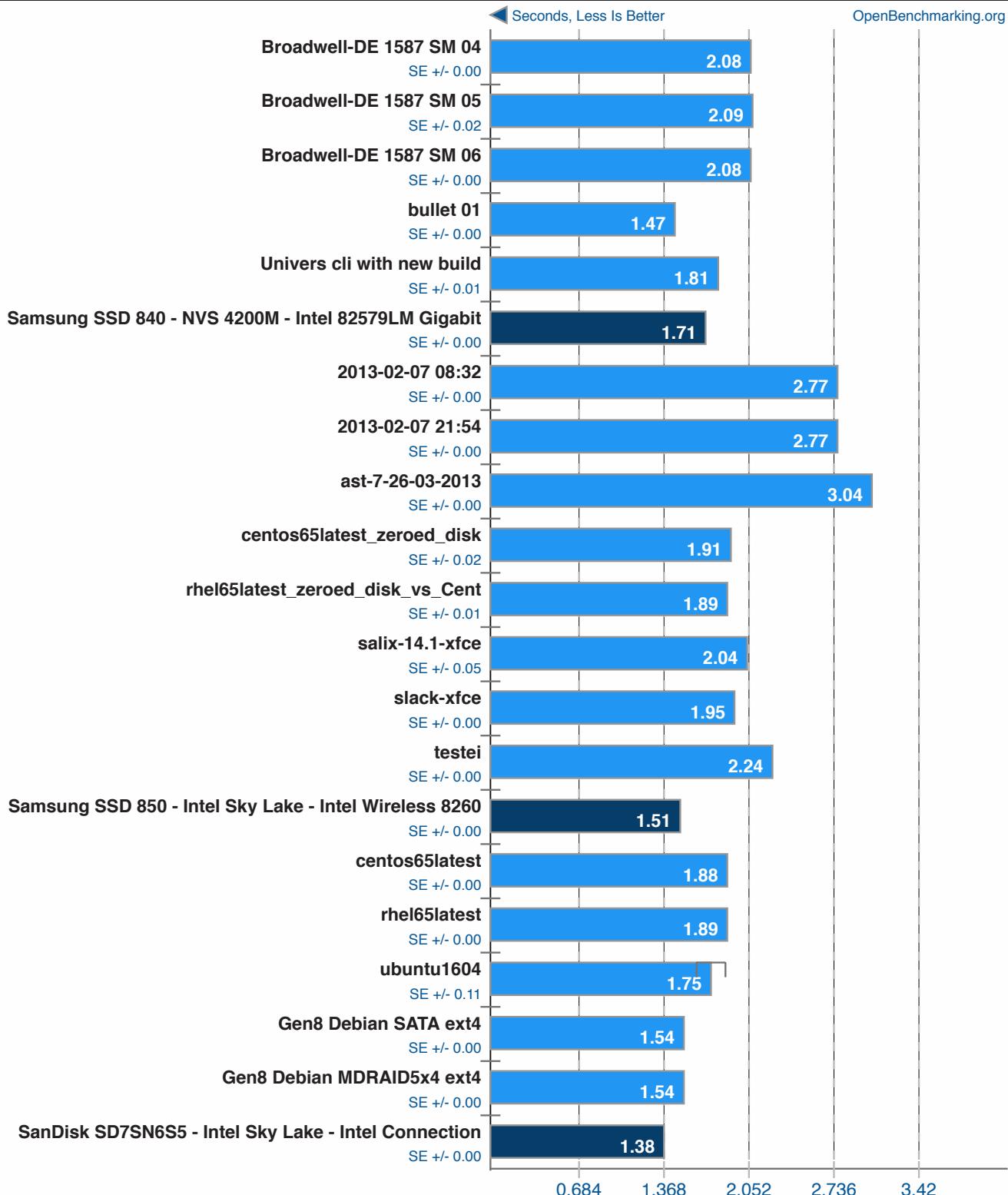
Phoronix Test Suite 7.0.0

Bullet Physics Engine v2.81

Test: Convex Trimesh



OpenBenchmarking.org



1. (CXX) g++ options: -O3 -rdynamic

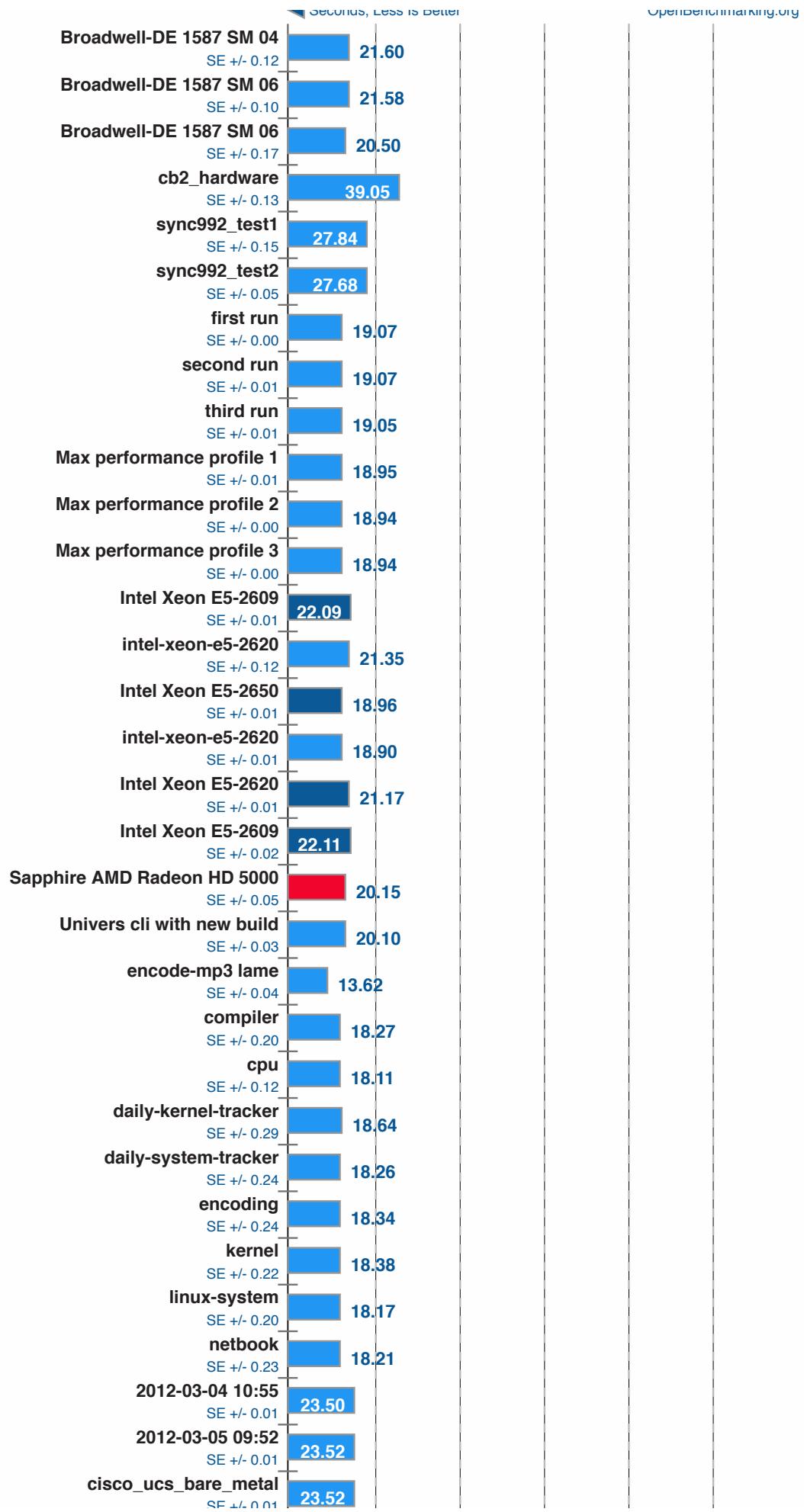
Phoronix Test Suite 7.0.0

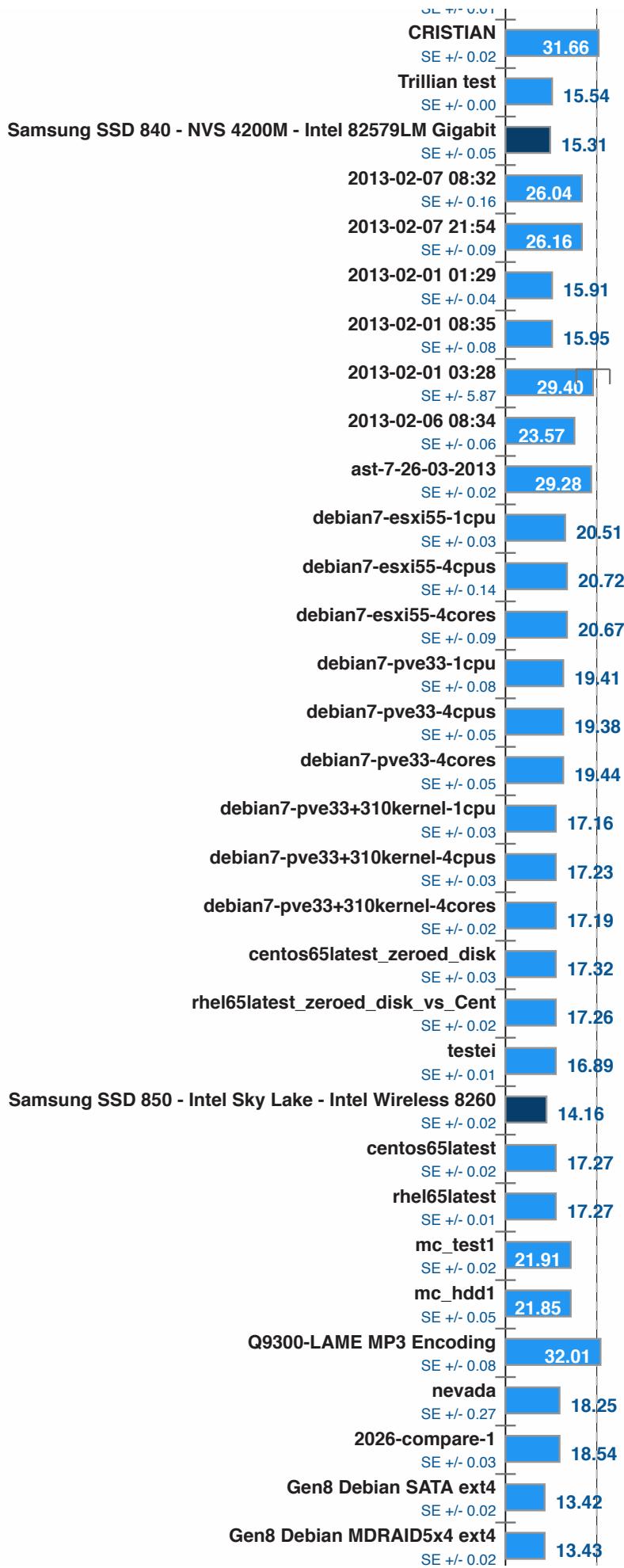
LAME MP3 Encoding v3.99.3

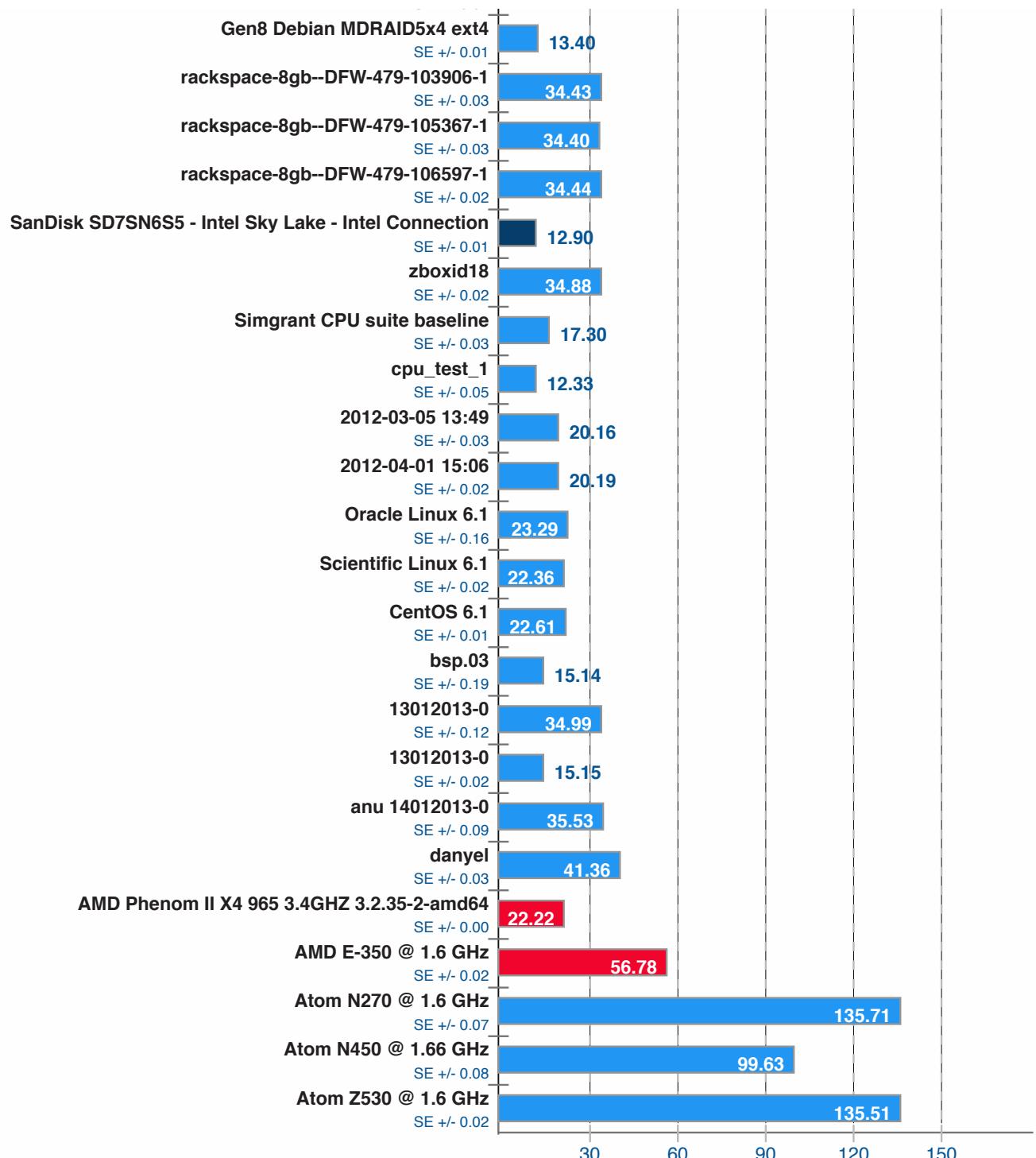
WAV To MP3



OpenBenchmarking.org







1. (CC) gcc options: -O3 -ffast-math -pipe -lm

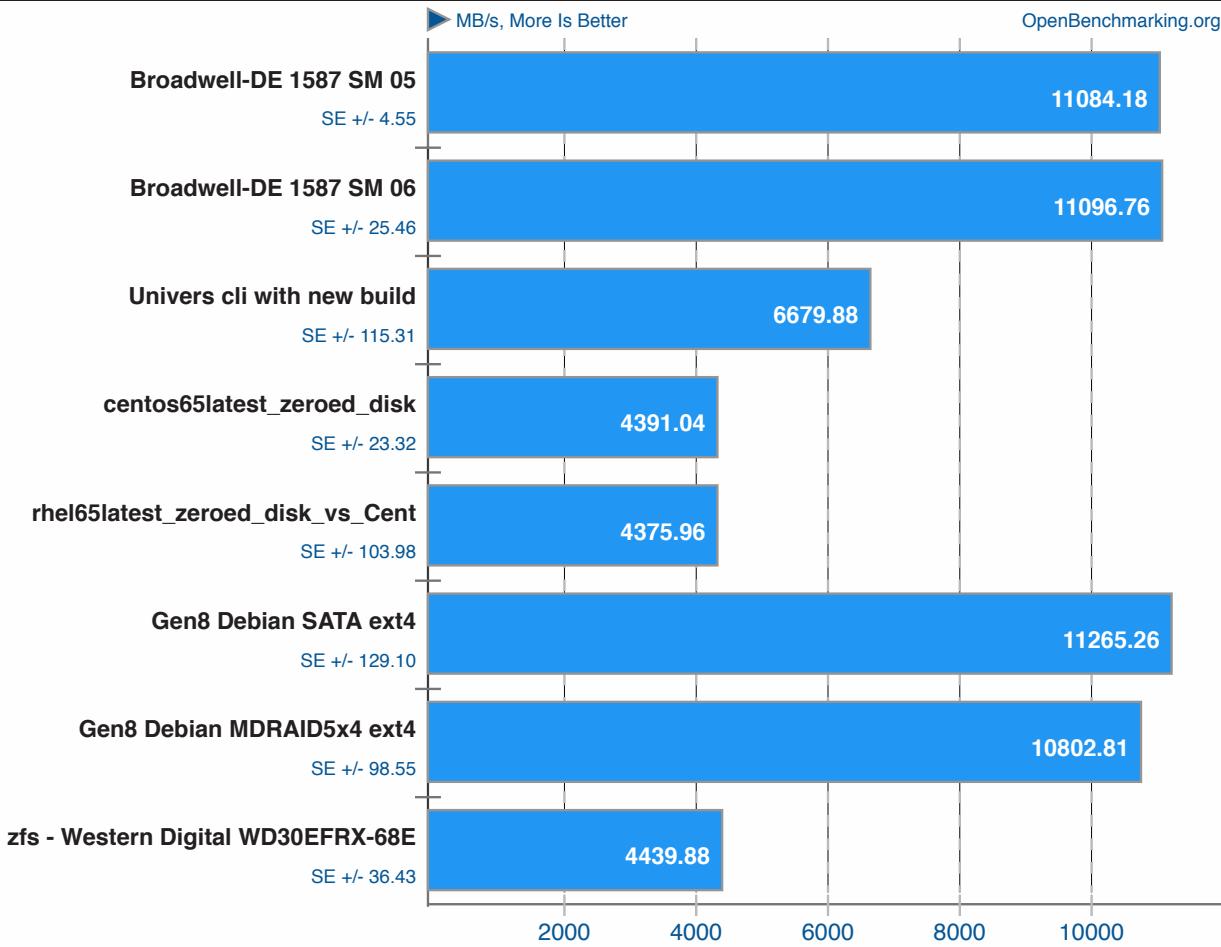
Phoronix Test Suite 7.0.0

Threaded I/O Tester v0.3.3

64MB Random Read - 32 Threads



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

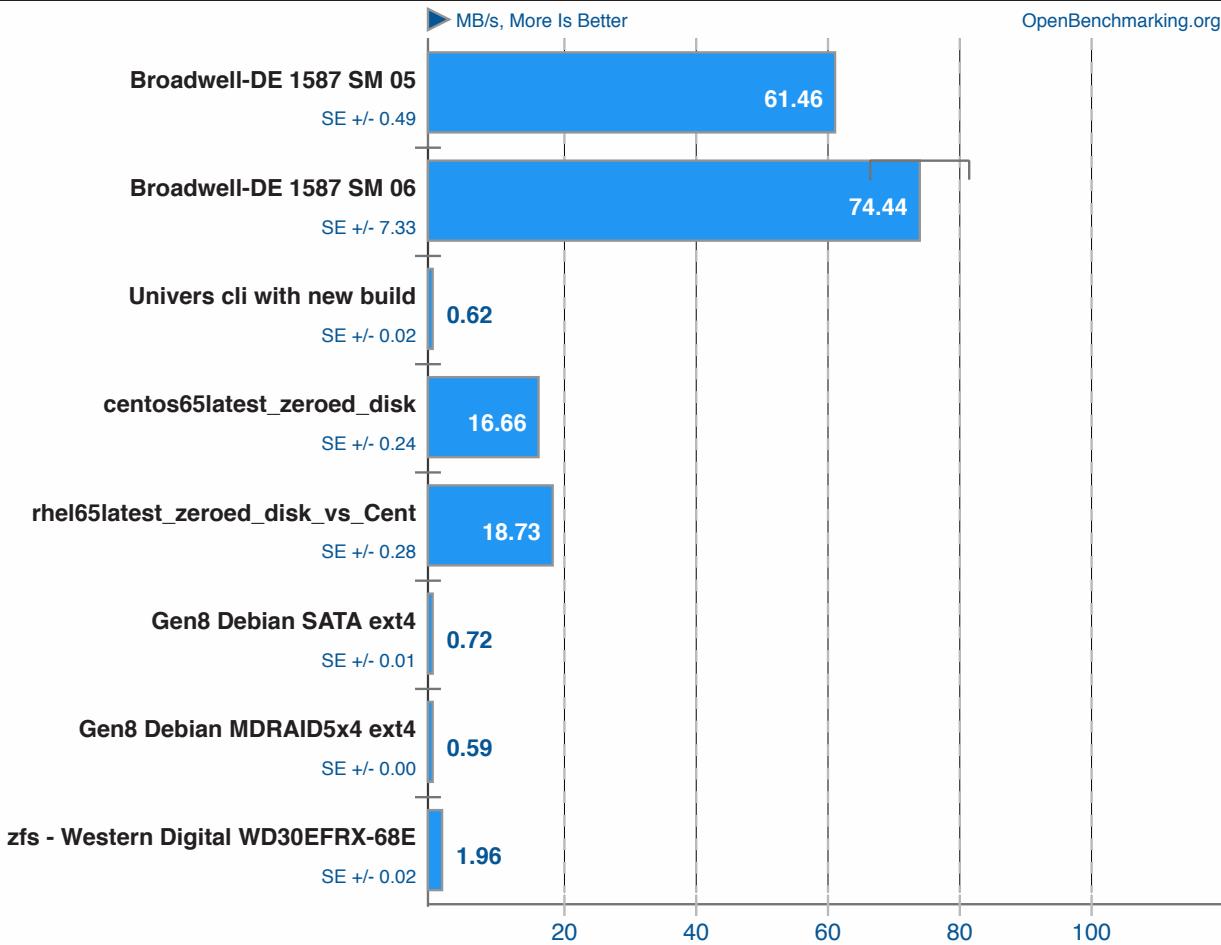


Threaded I/O Tester v0.3.3

64MB Random Write - 32 Threads

ptsli

OpenBenchmarking.org



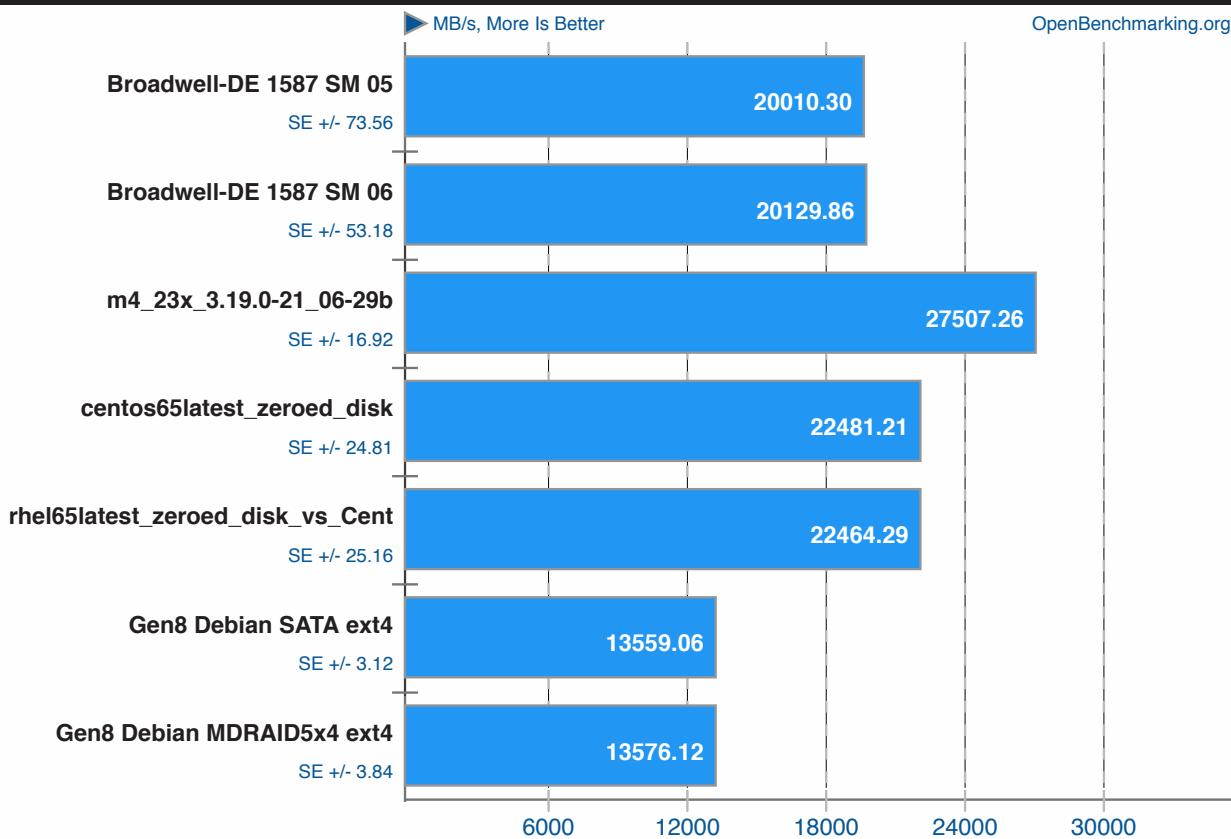
Phoronix Test Suite 7.0.0

Stream v2013-01-17

Add

ptsli

OpenBenchmarking.org



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

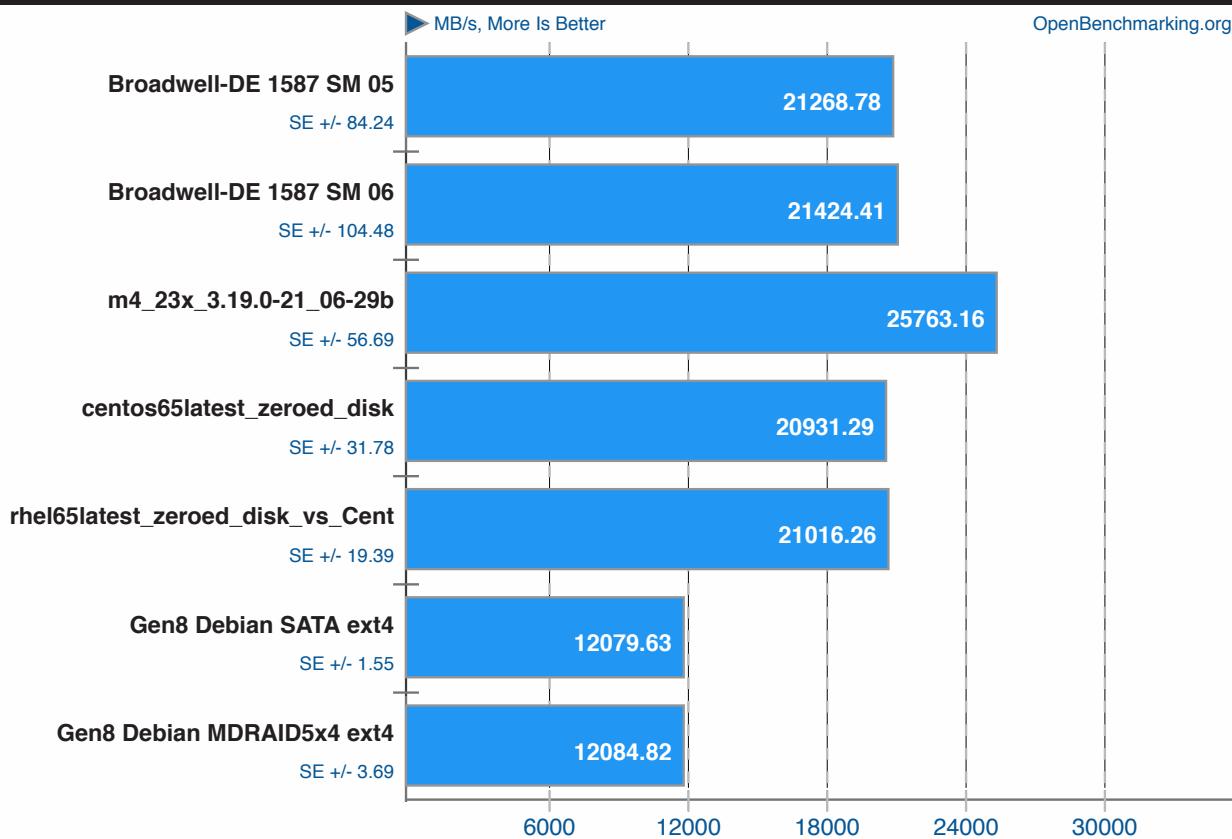
Phoronix Test Suite 7.0.0

Stream v2013-01-17

Copy

ptsli

OpenBenchmarking.org



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

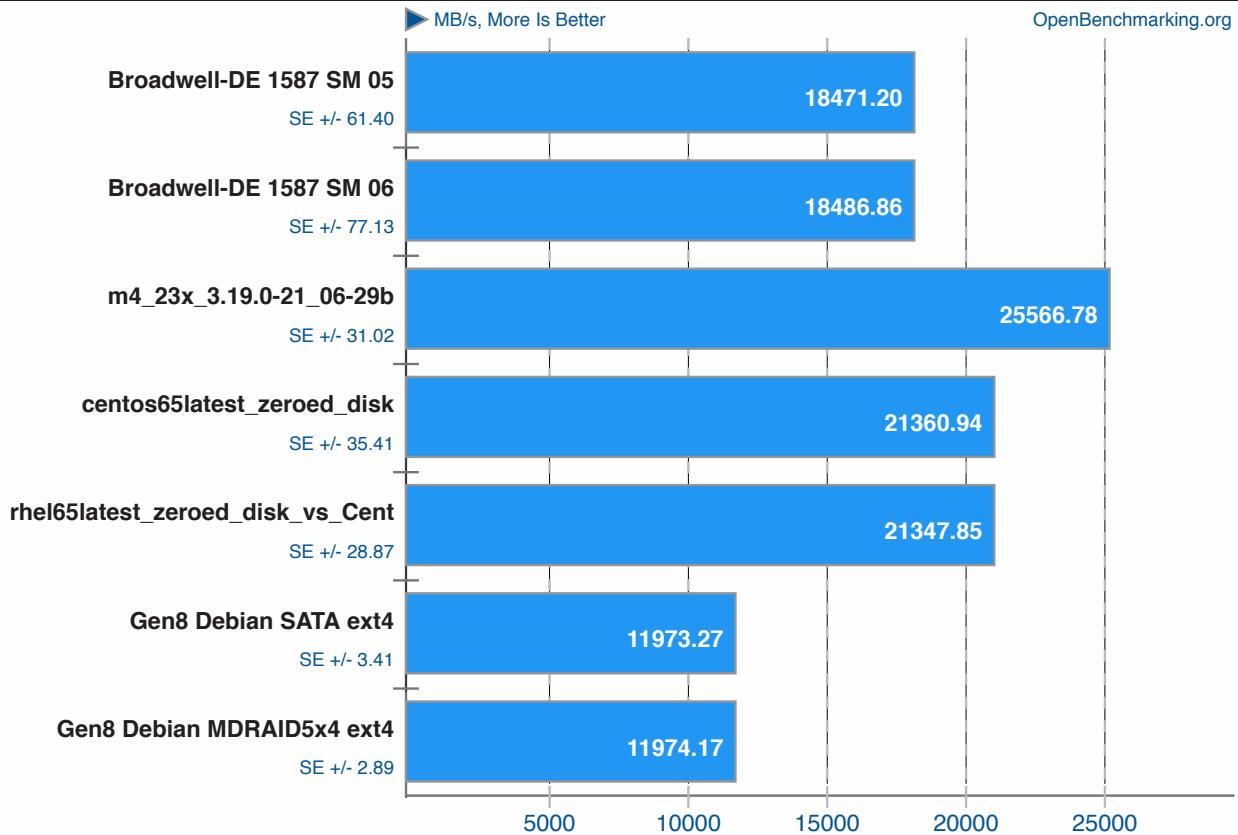
Phoronix Test Suite 7.0.0

Stream v2013-01-17

Scale

ptsli

OpenBenchmarking.org



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

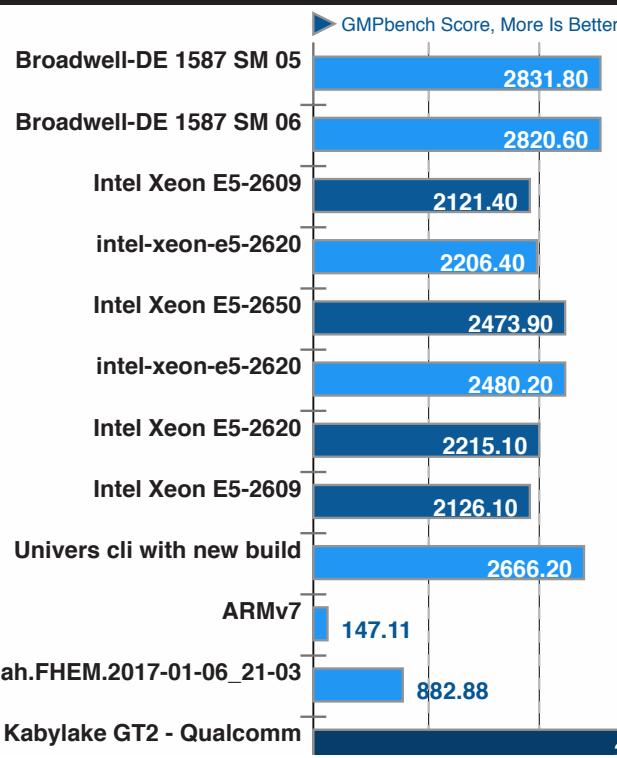
Phoronix Test Suite 7.0.0

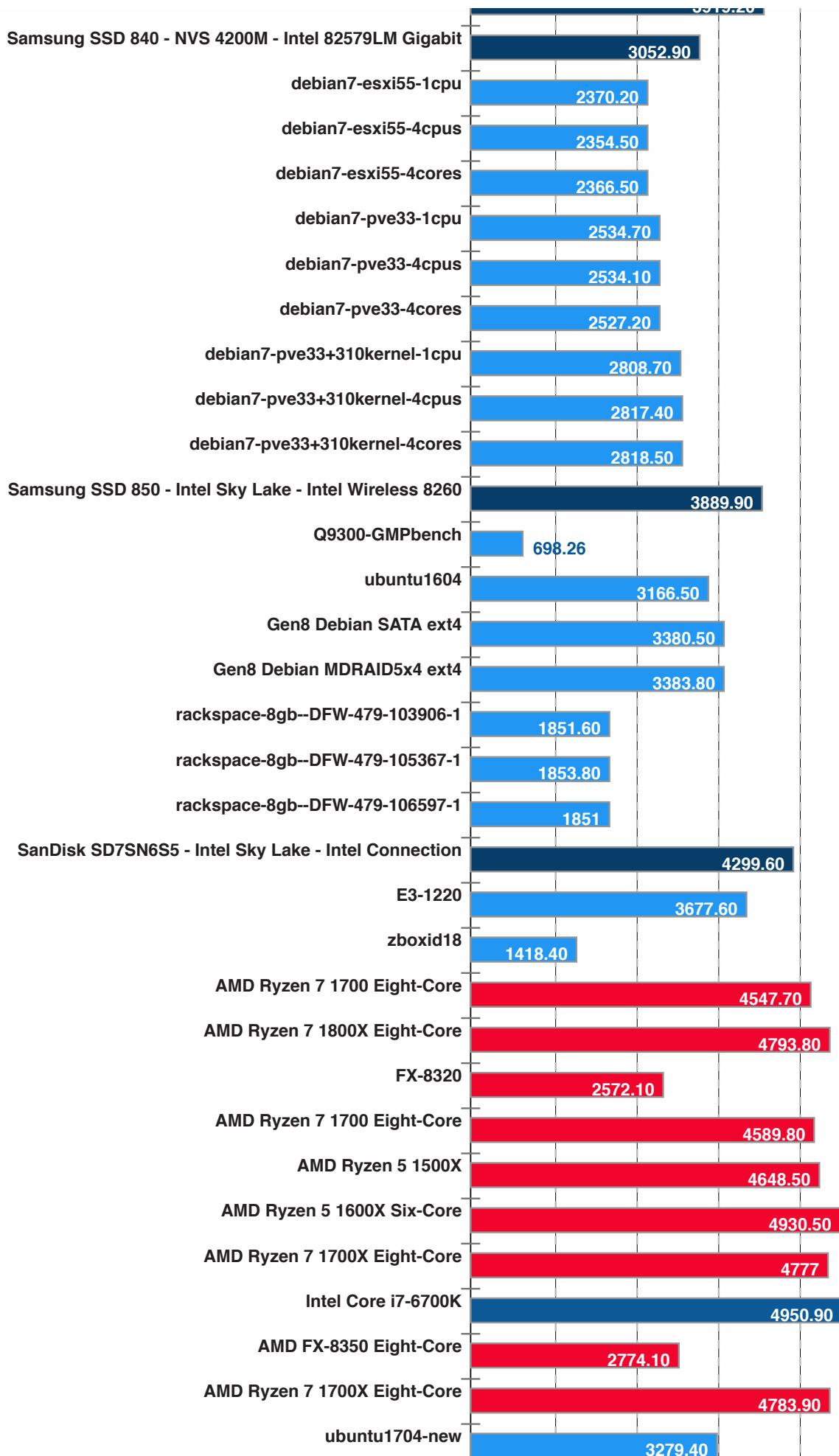
GMPbench v0.2

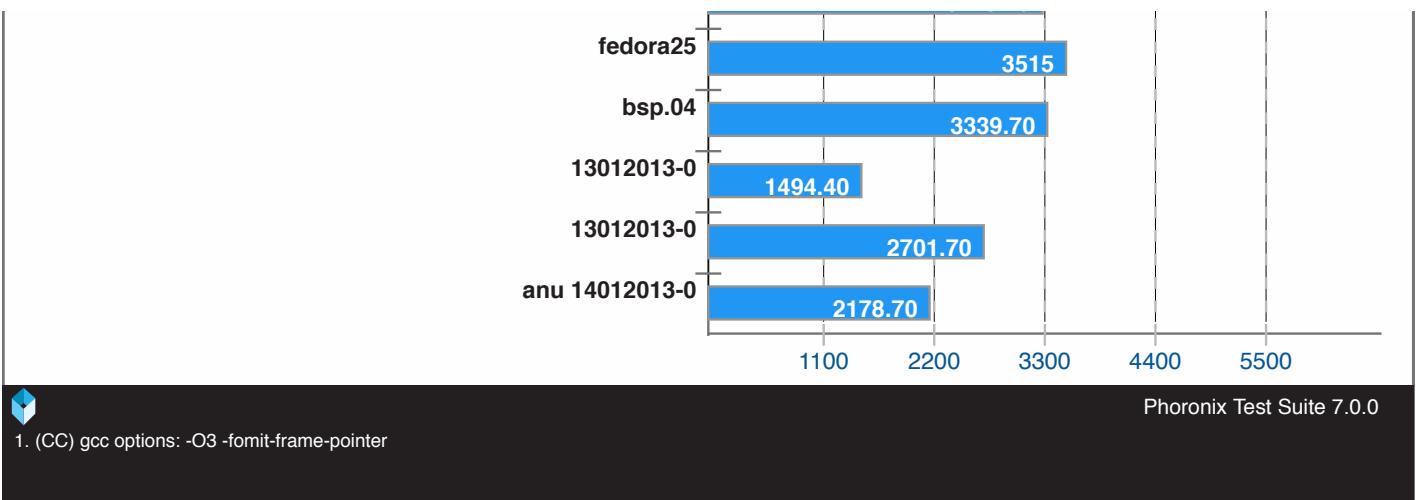
Total Time

ptsli

OpenBenchmarking.org

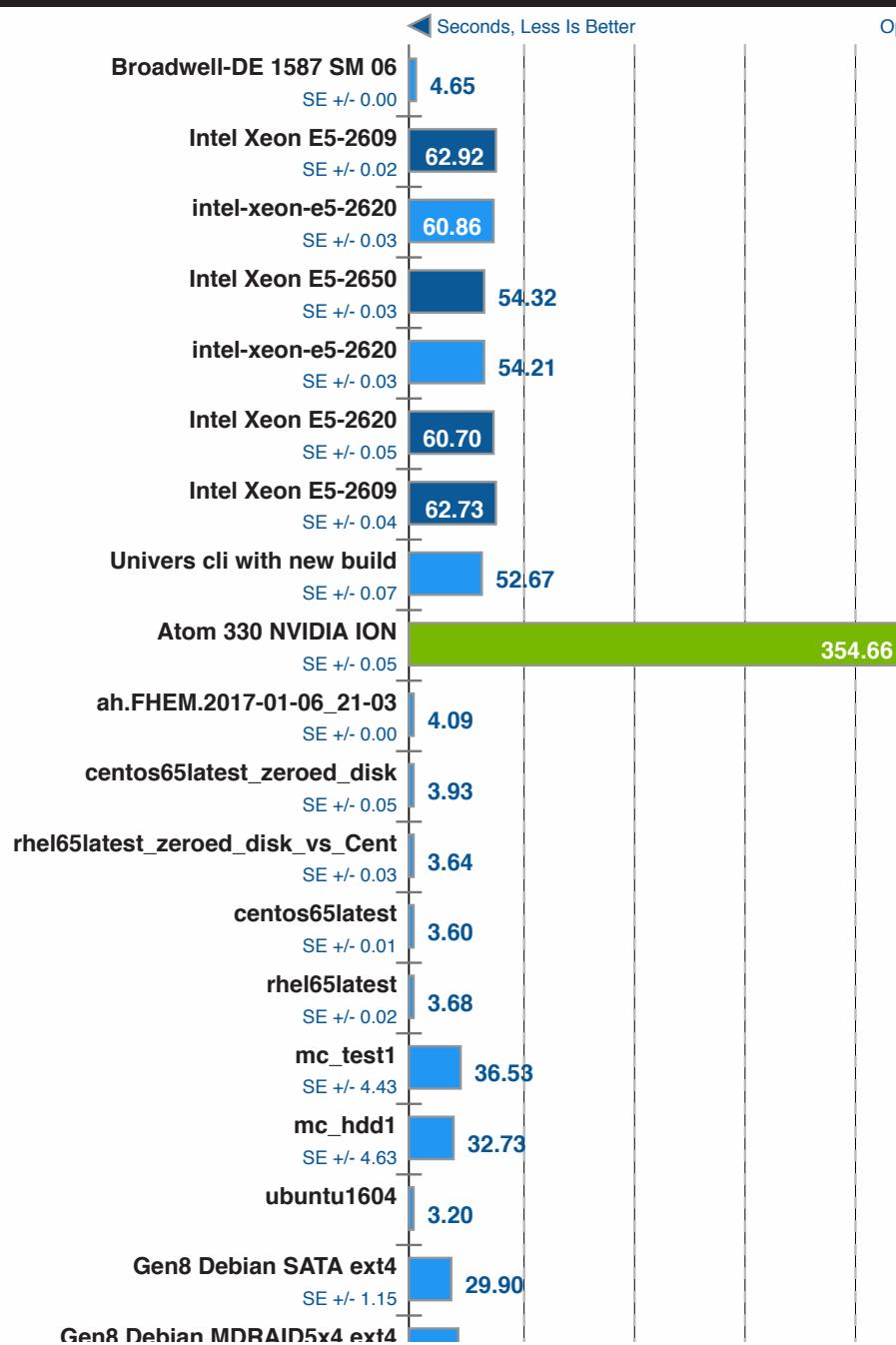


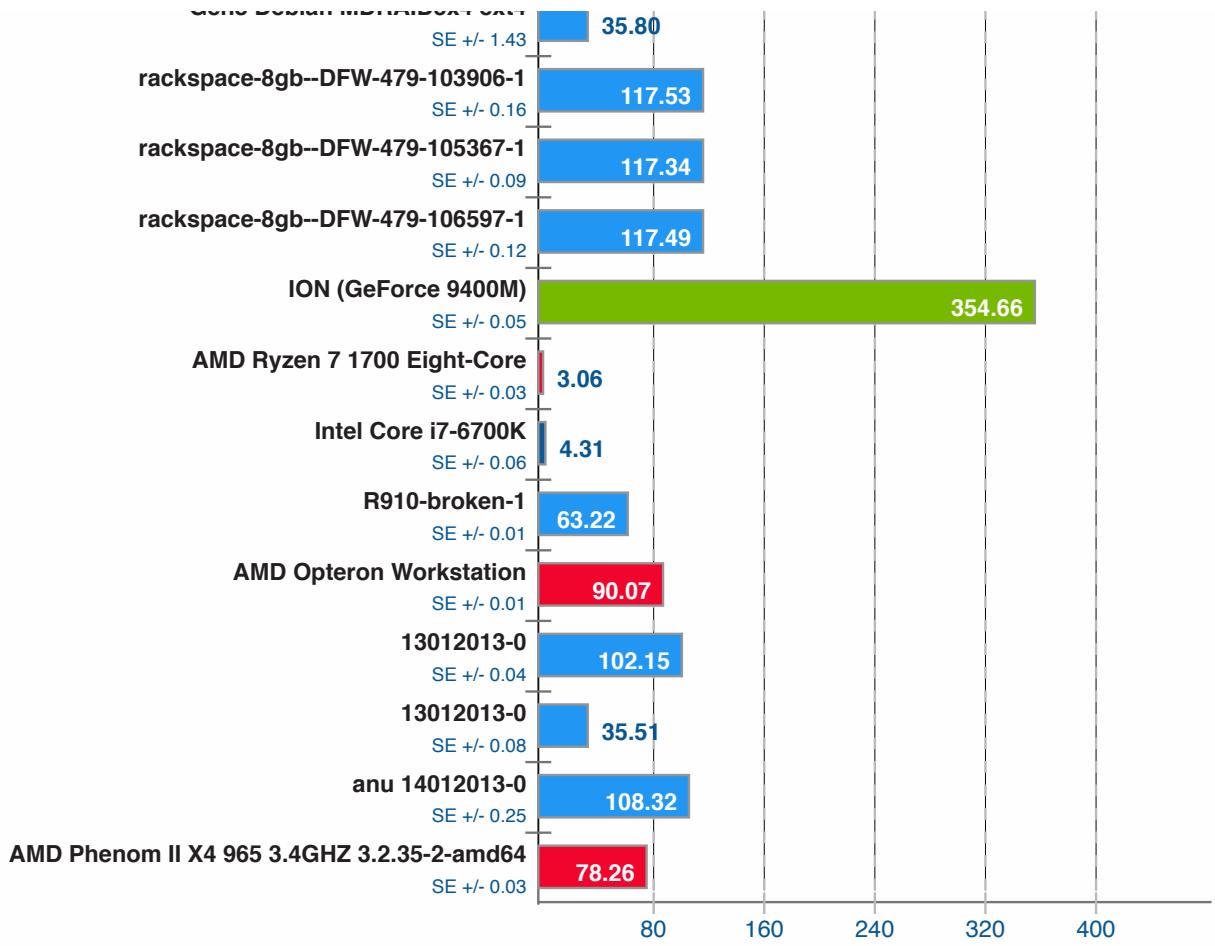




eSpeak Speech Engine v1.40.02

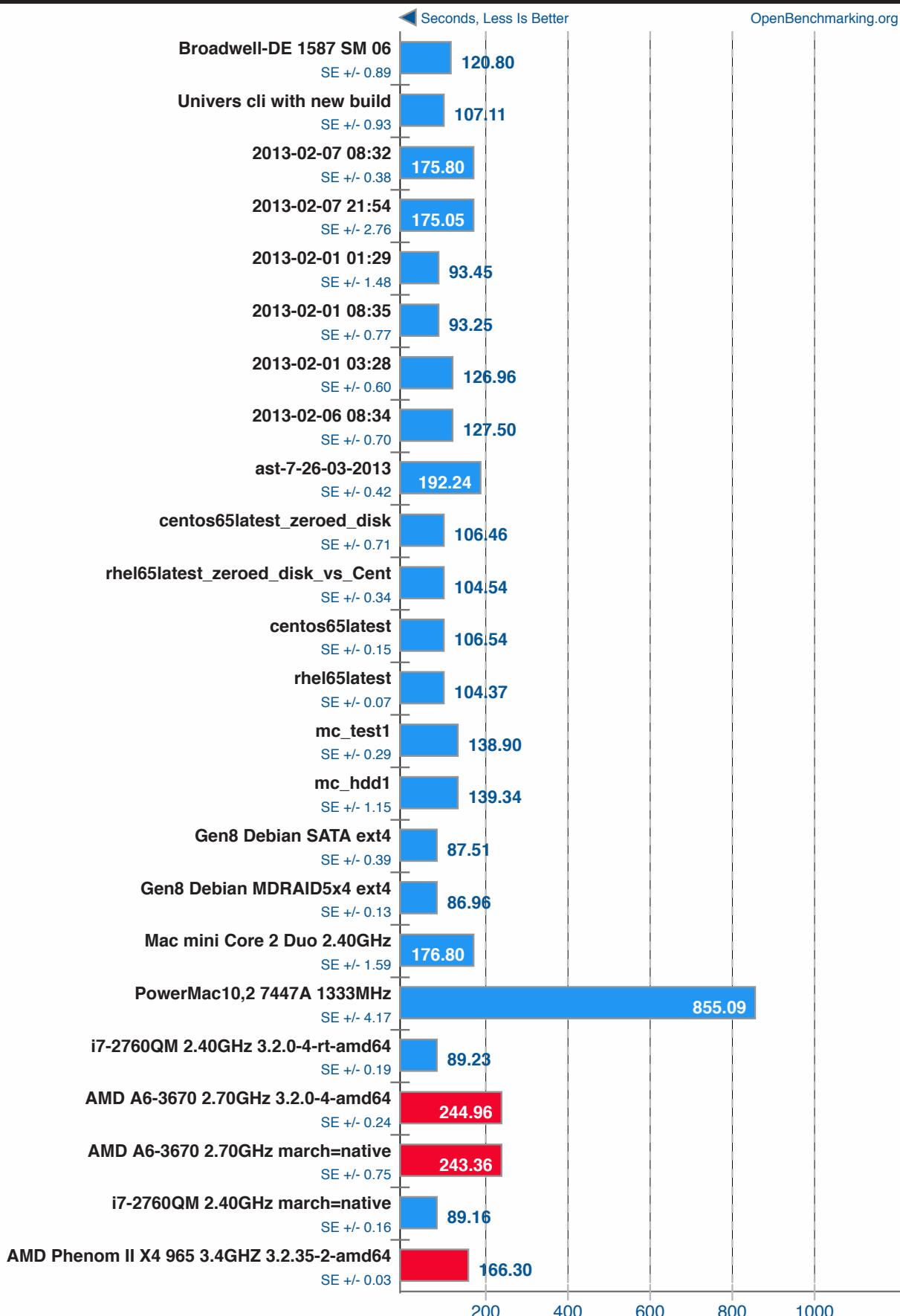
Text-To-Speech Synthesis





1. (CXX) g++ options: -Istdc++ -lespeak

Phoronix Test Suite 7.0.0



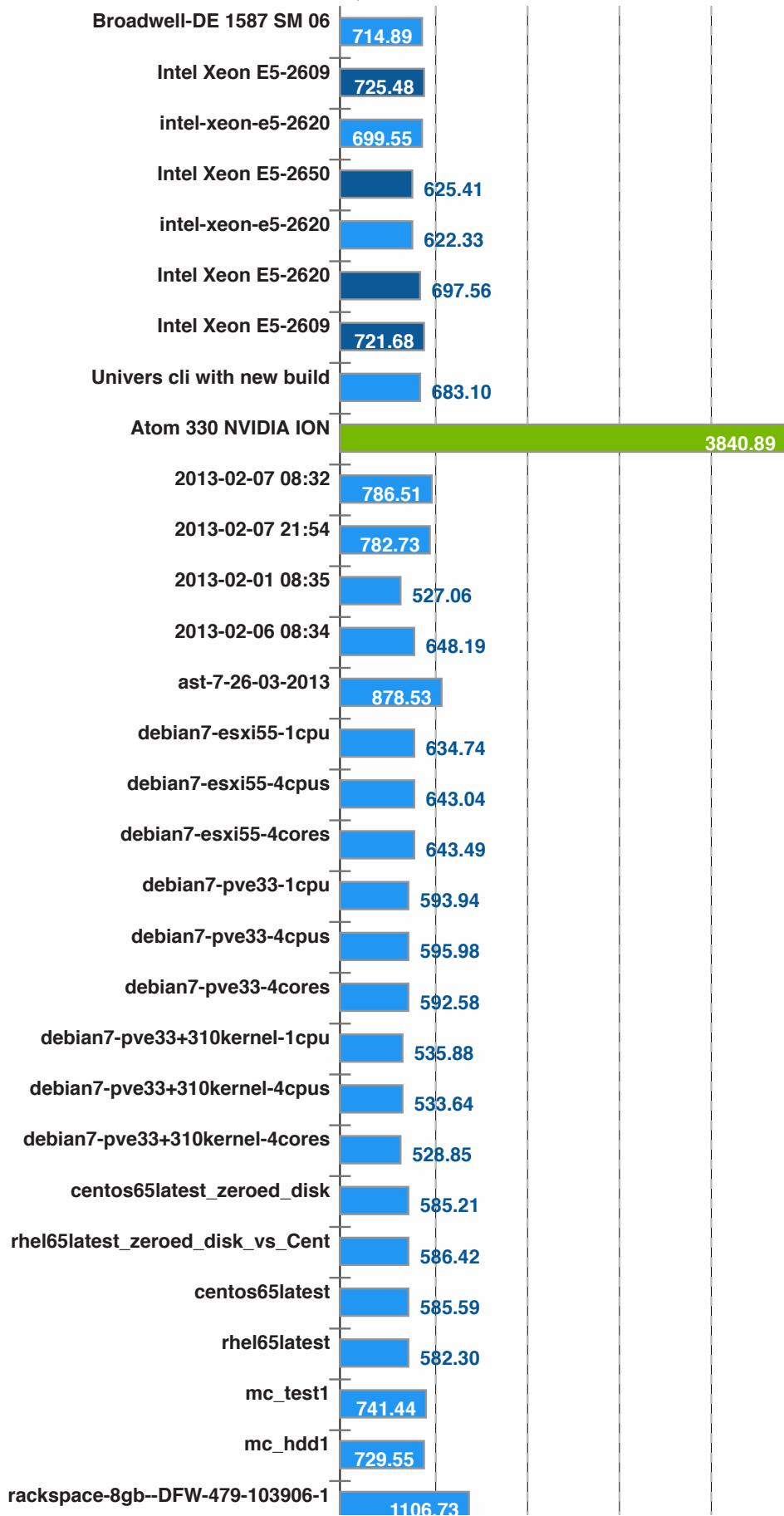
Open FMM Nero2D v2.0.2

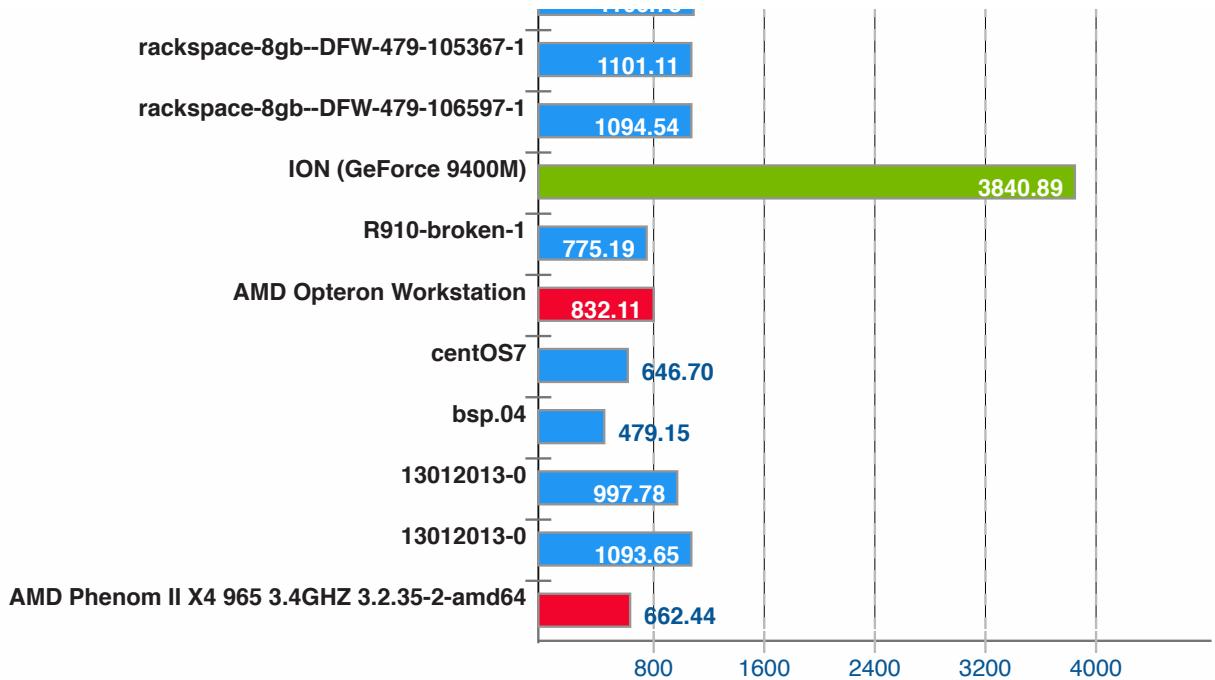
Total Time

ptsli.

OpenBenchmarking.org

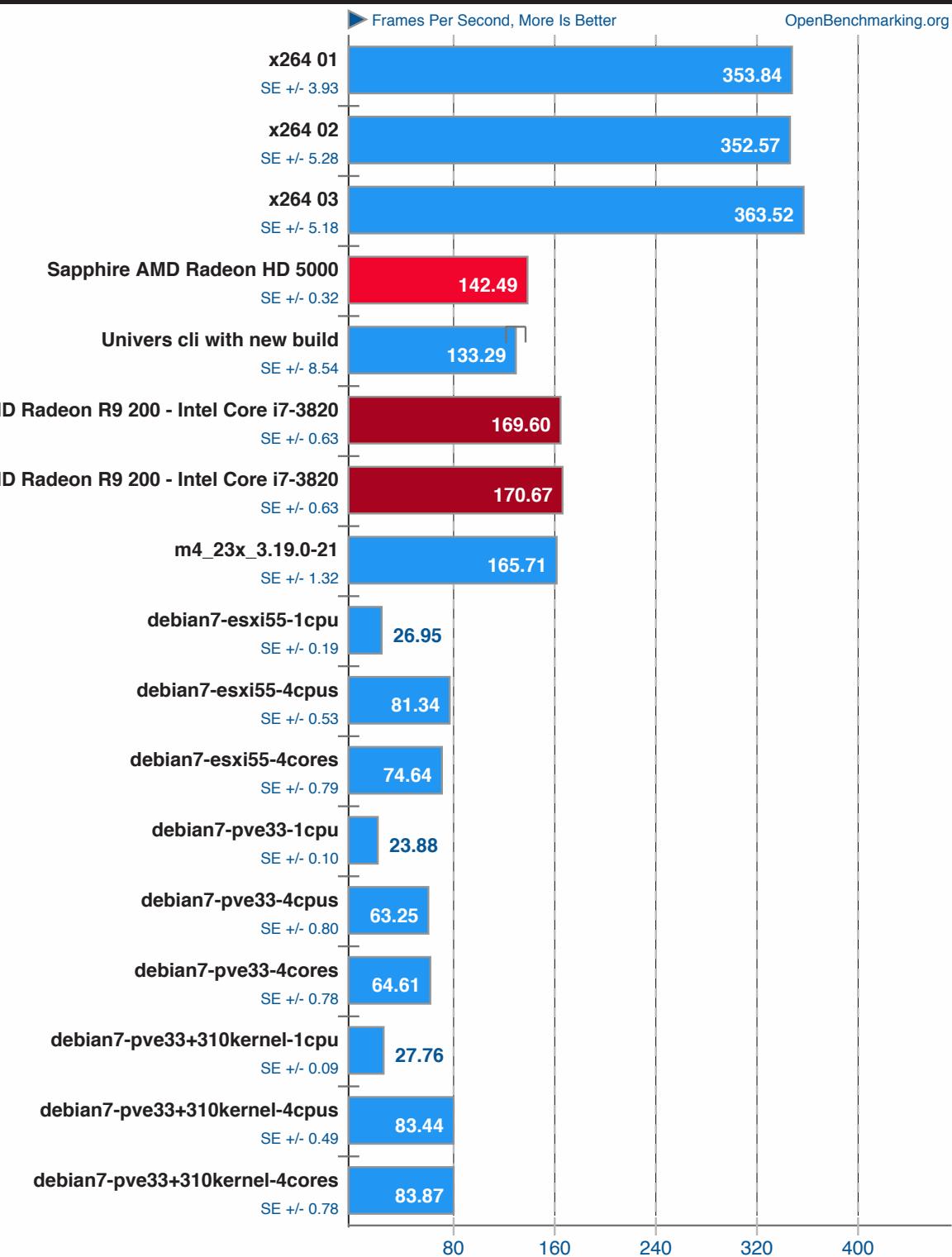
Seconds, Less Is Better





1. (CXX) g++ options: -O2 -lfftw3 -lgfortran -lm

Phoronix Test Suite 7.0.0



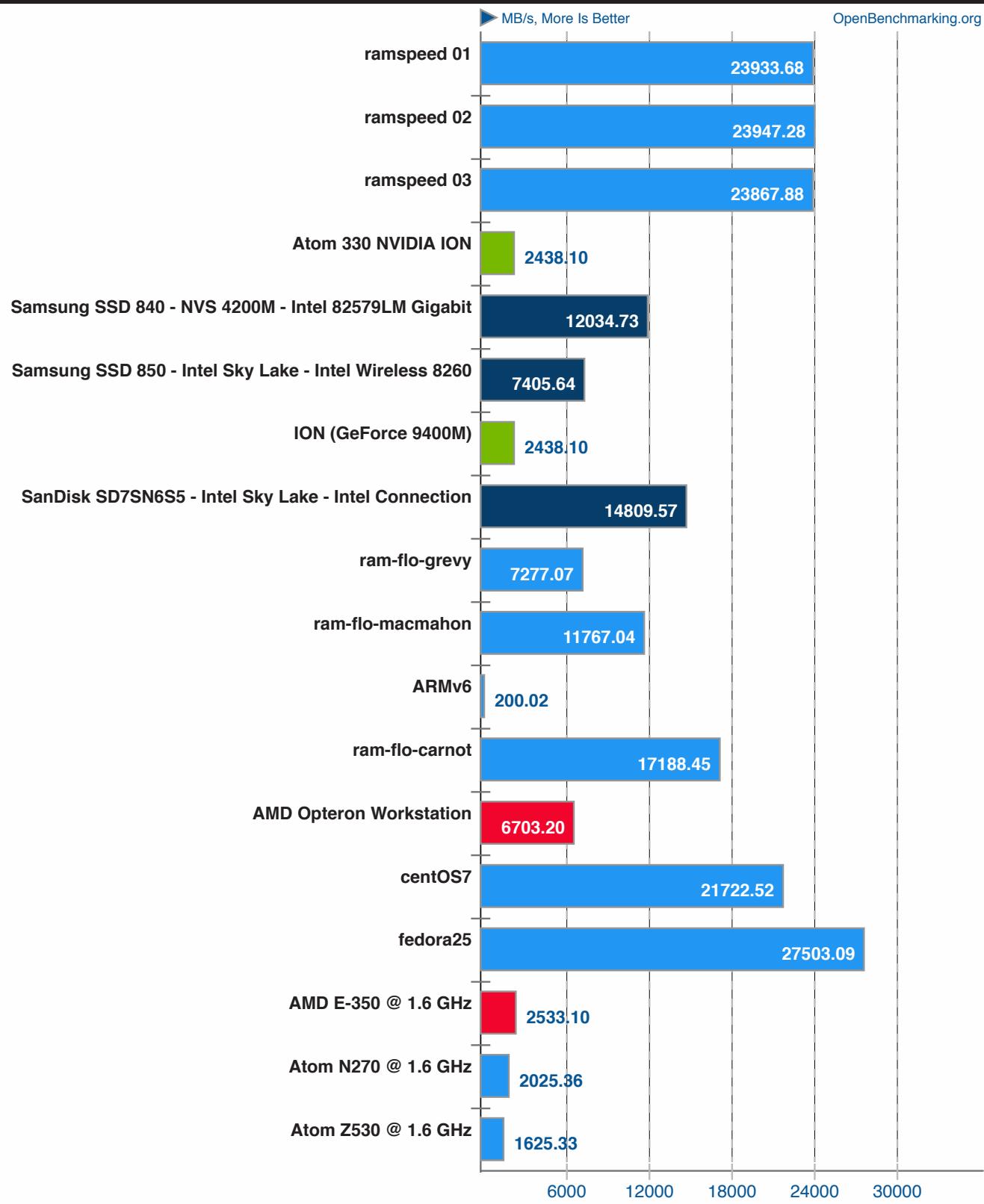
1. (CC) gcc options: -ldl -m64 -lm -lpthread -O3 -ffast-math -std=gnu99 -fomit-frame-pointer -fno-tree-vectorize

RAMspeed SMP v3.5.0

Type: Add - Benchmark: Integer



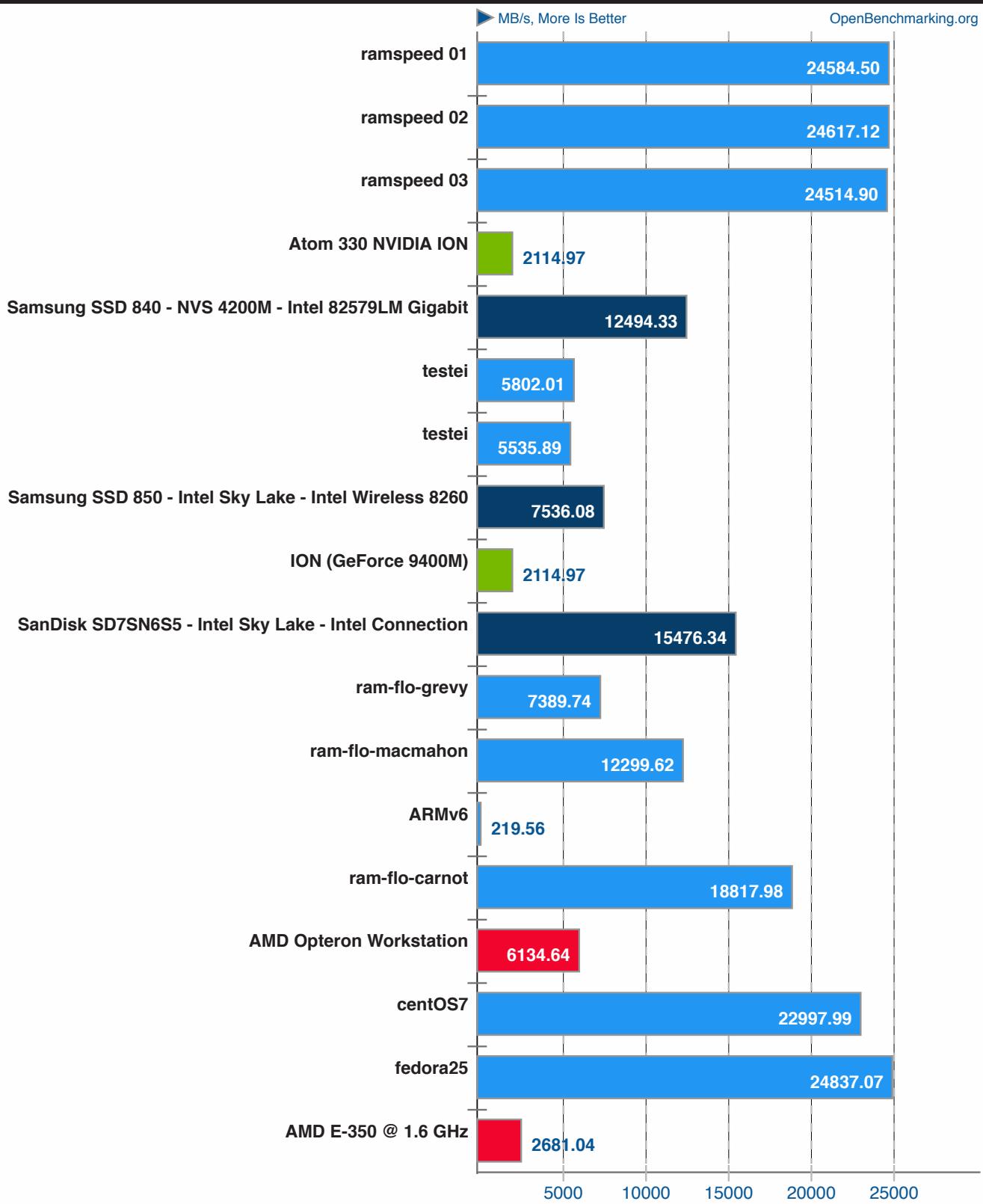
OpenBenchmarking.org



Phoronix Test Suite 7.0.0

RAMspeed SMP v3.5.0

Type: Copy - Benchmark: Integer



Phoronix Test Suite 7.0.0

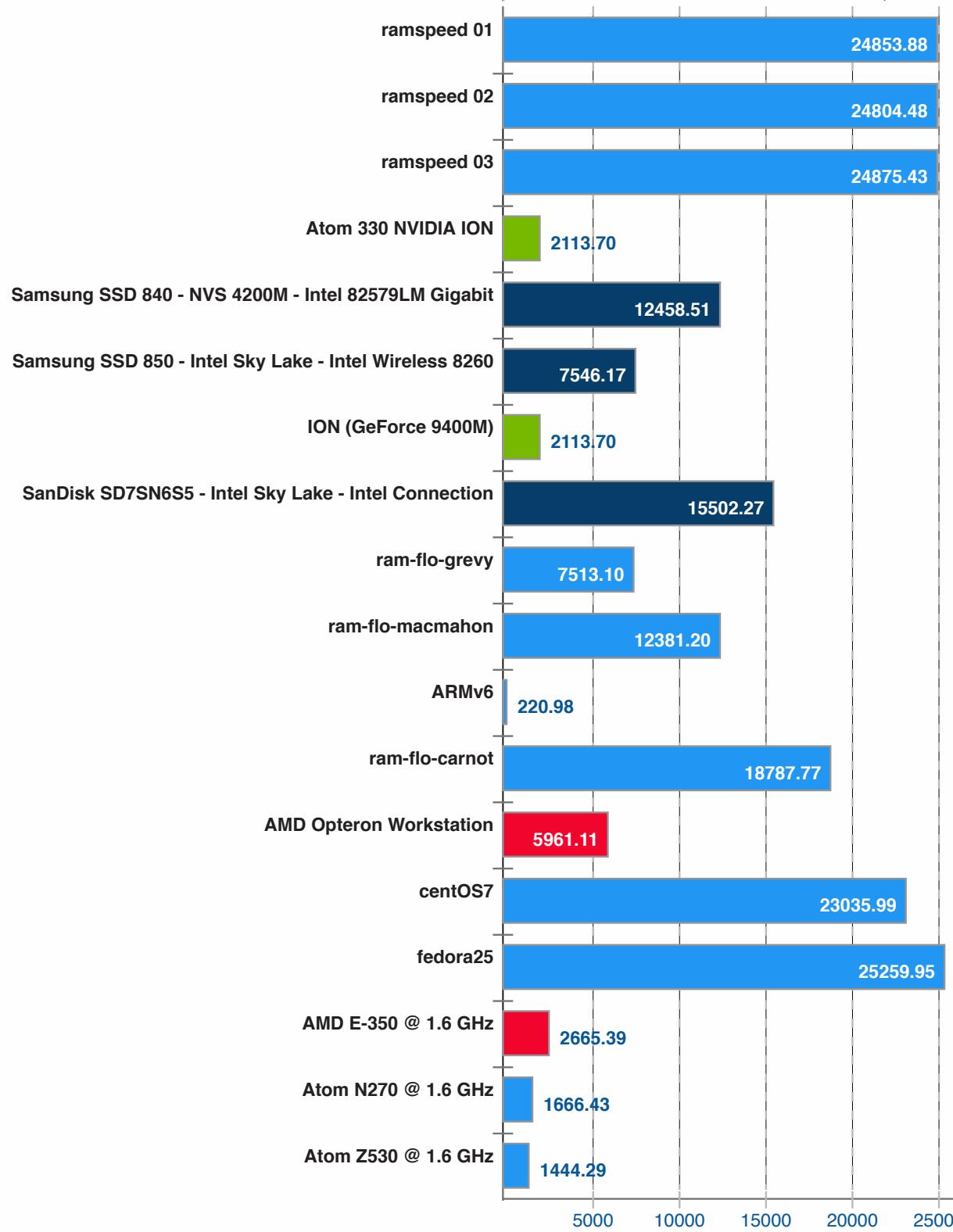
RAMspeed SMP v3.5.0

Type: Scale - Benchmark: Integer

ptsli

► MB/s, More Is Better

OpenBenchmarking.org



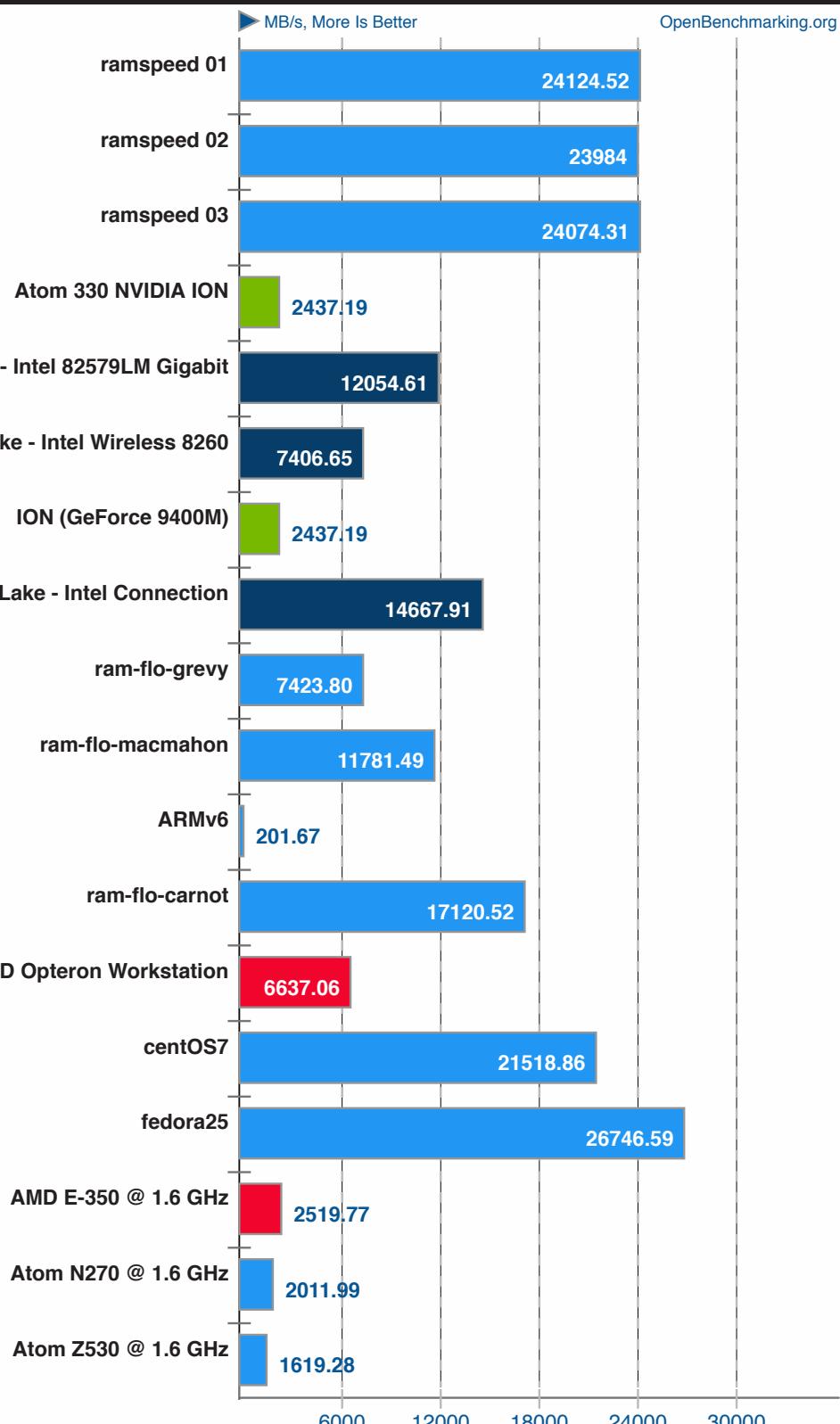
Phoronix Test Suite 7.0.0

RAMspeed SMP v3.5.0

Type: Triad - Benchmark: Integer



OpenBenchmarking.org



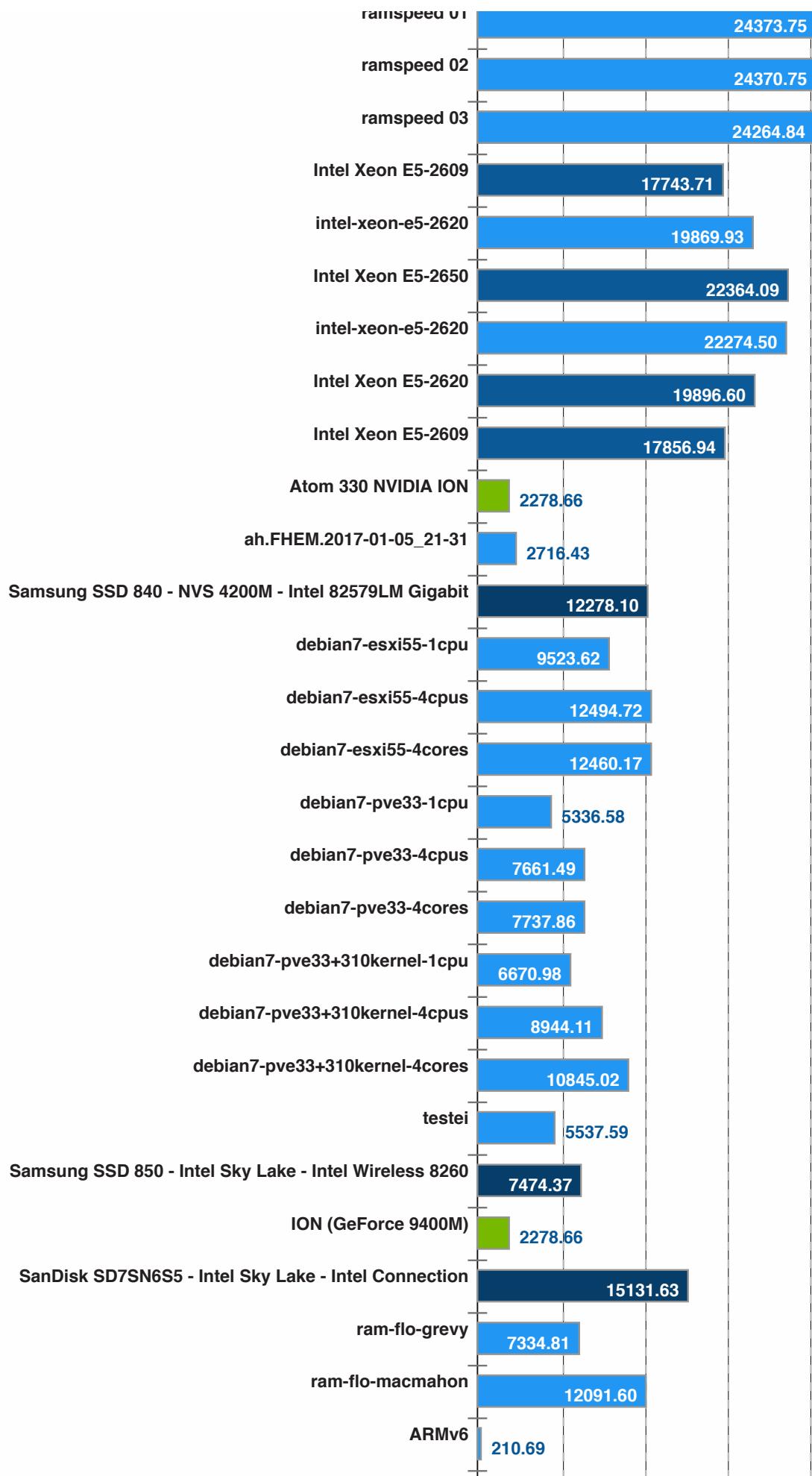
Phoronix Test Suite 7.0.0

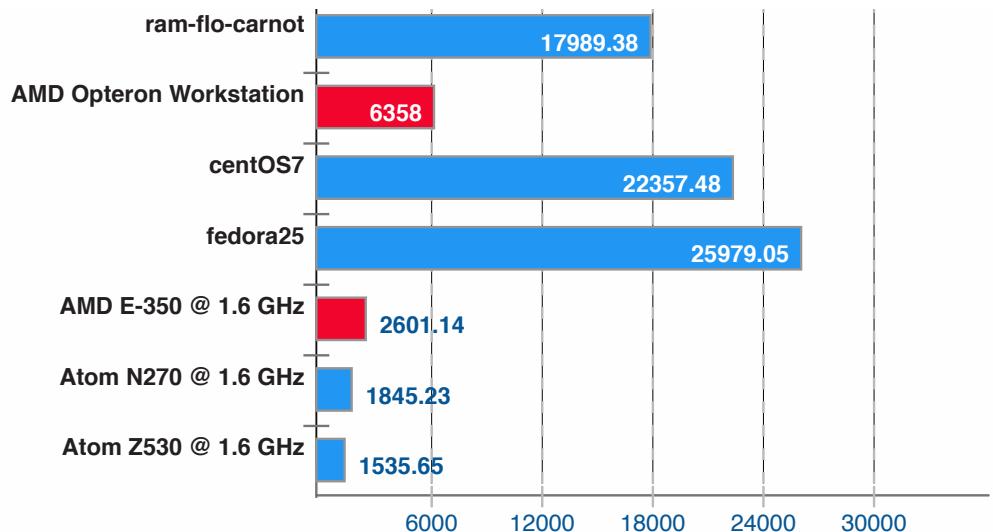
RAMspeed SMP v3.5.0

Type: Average - Benchmark: Integer



OpenBenchmarking.org





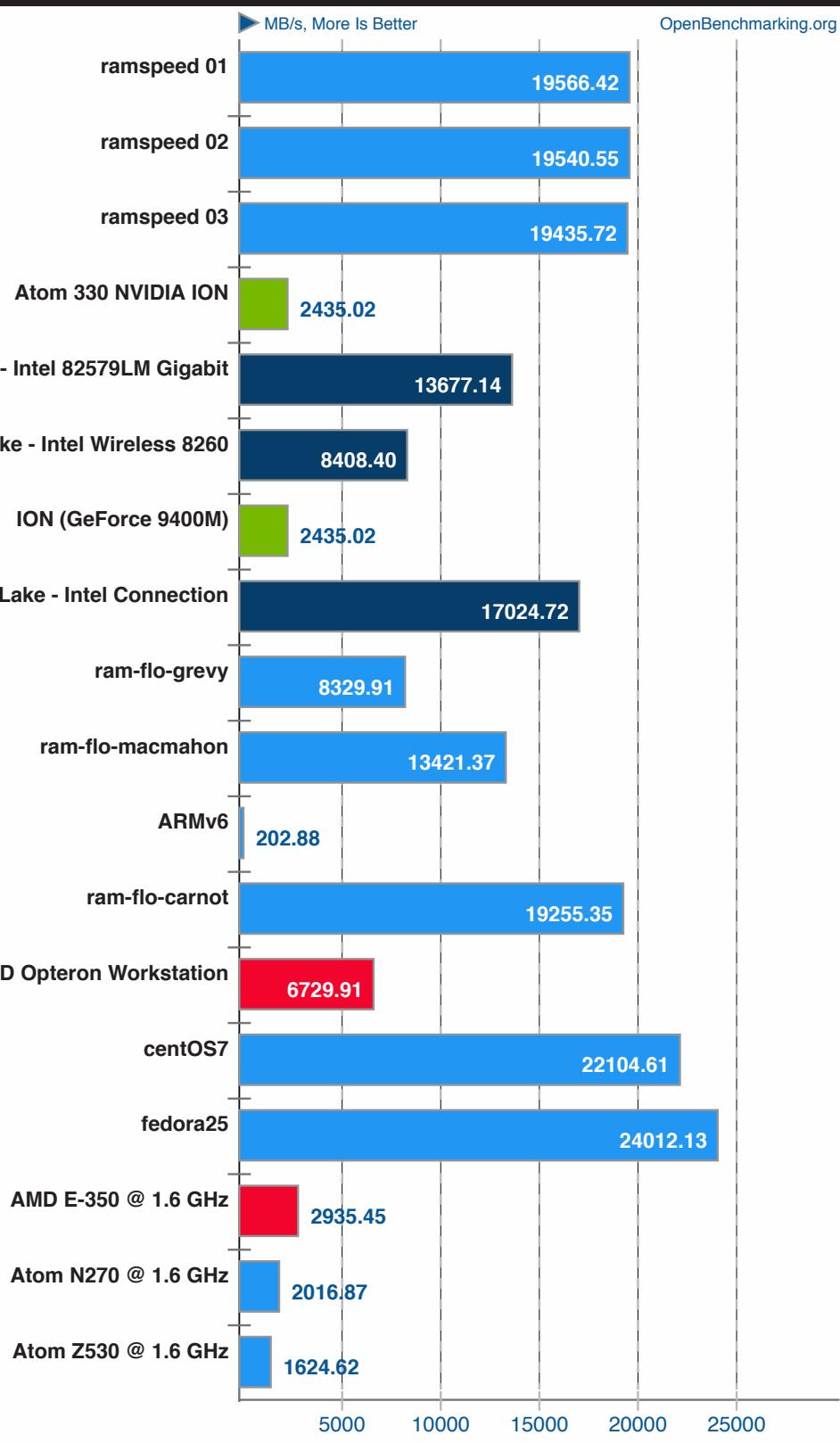
Phoronix Test Suite 7.0.0

RAMspeed SMP v3.5.0

Type: Add - Benchmark: Floating Point

ptsli

OpenBenchmarking.org



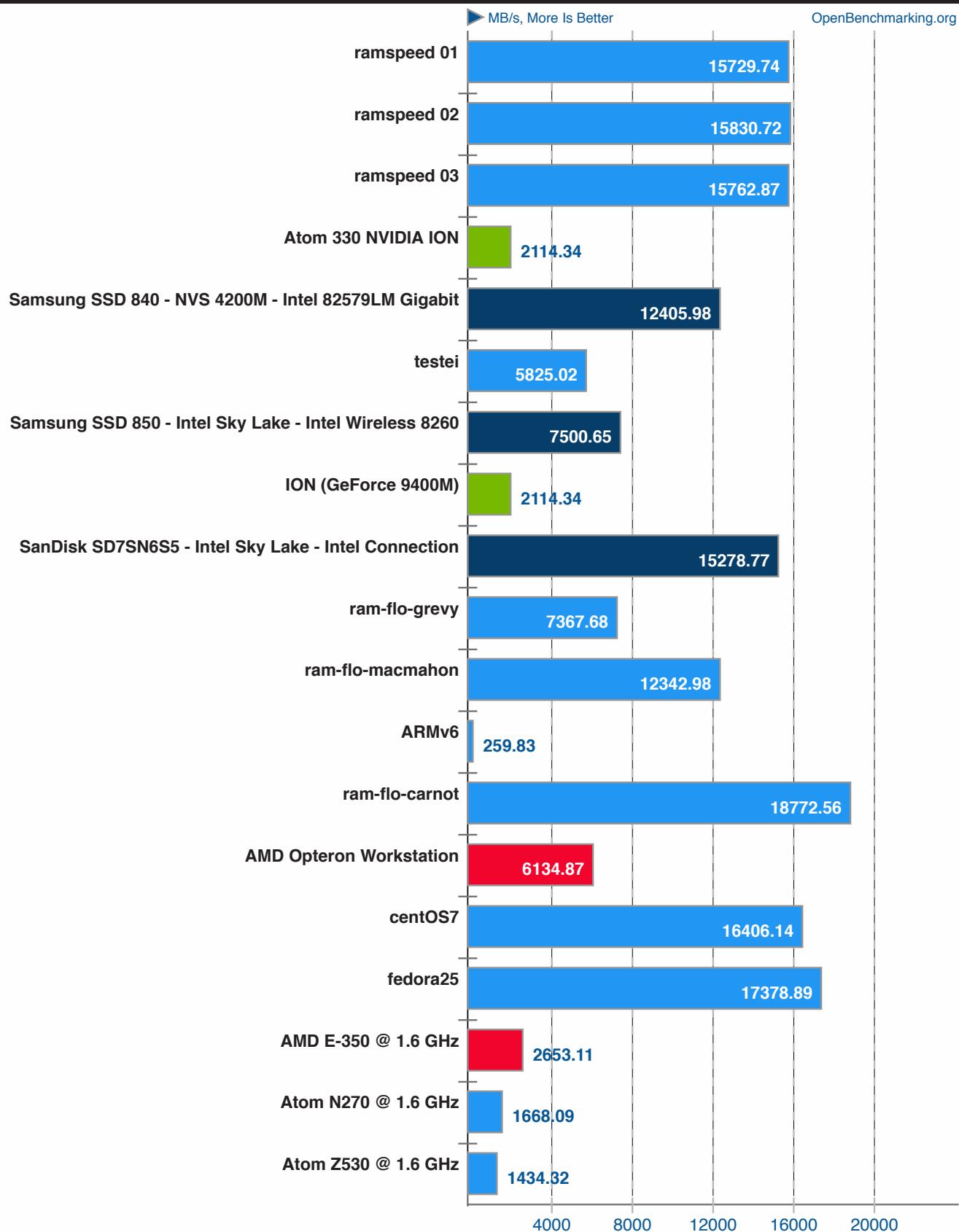
Phoronix Test Suite 7.0.0

RAMspeed SMP v3.5.0

Type: Copy - Benchmark: Floating Point

ptsli

OpenBenchmarking.org



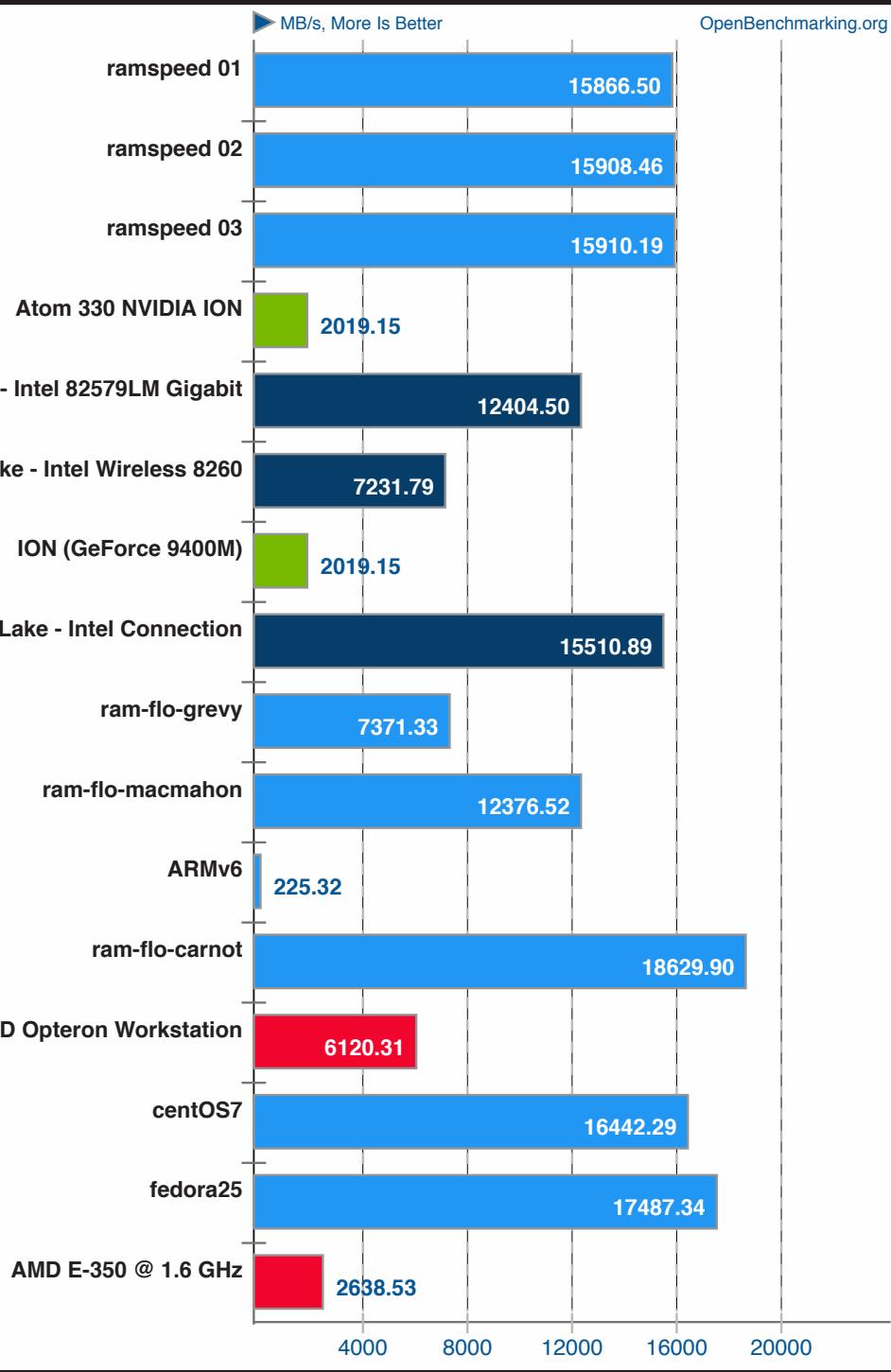
Phoronix Test Suite 7.0.0

RAMspeed SMP v3.5.0

Type: Scale - Benchmark: Floating Point

ptsli

OpenBenchmarking.org



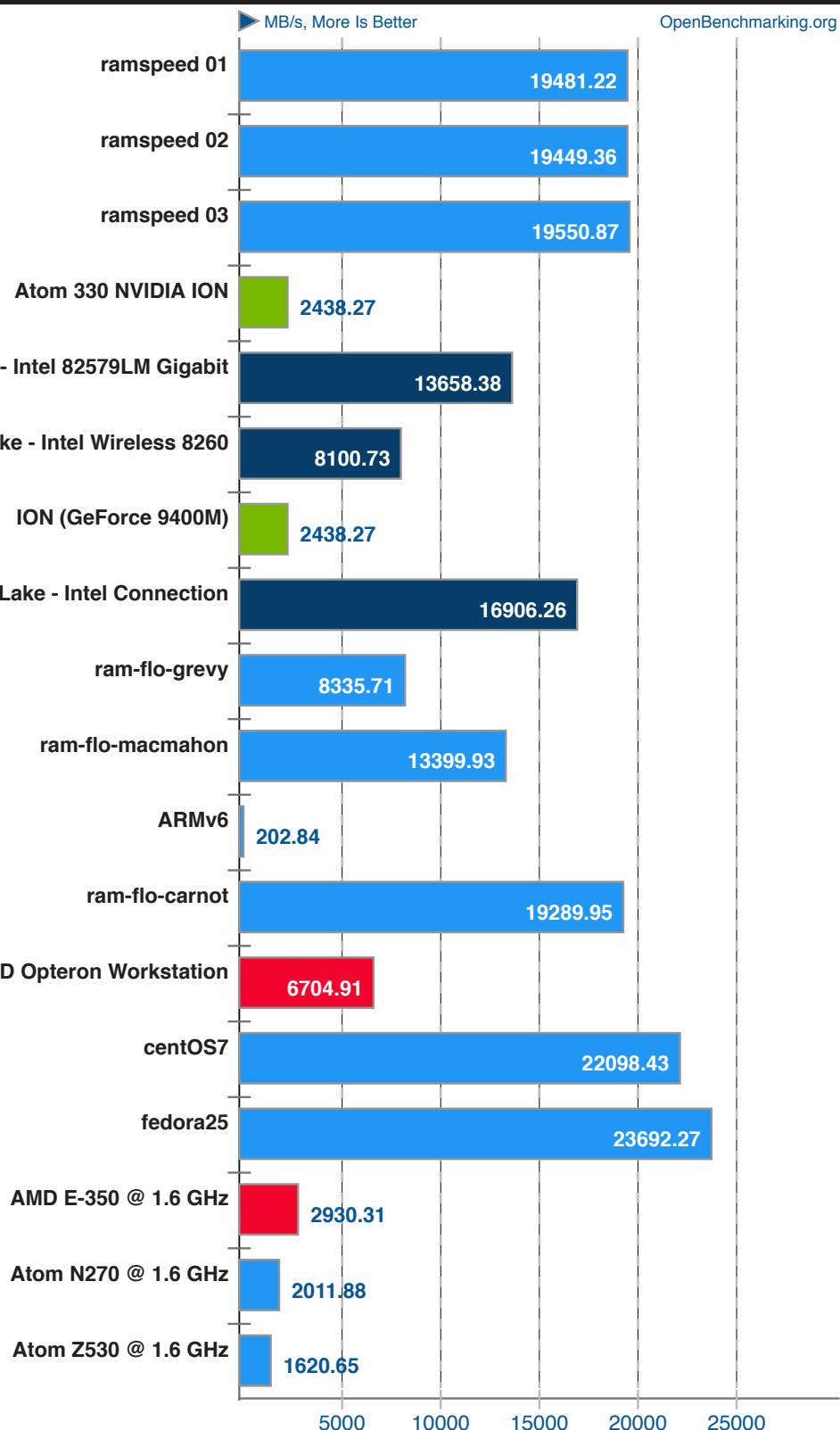
Phoronix Test Suite 7.0.0

RAMspeed SMP v3.5.0

Type: Triad - Benchmark: Floating Point



OpenBenchmarking.org



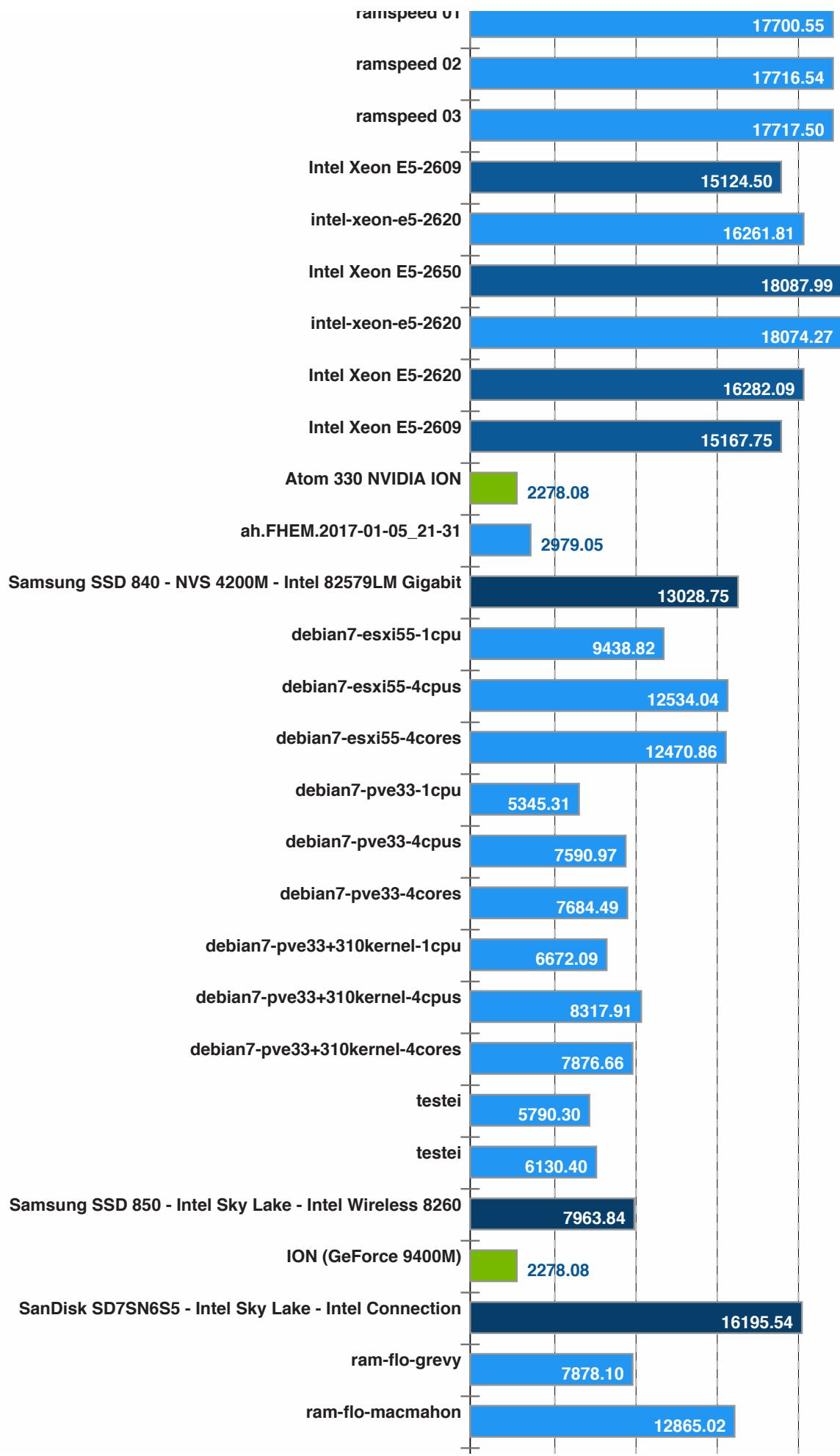
Phoronix Test Suite 7.0.0

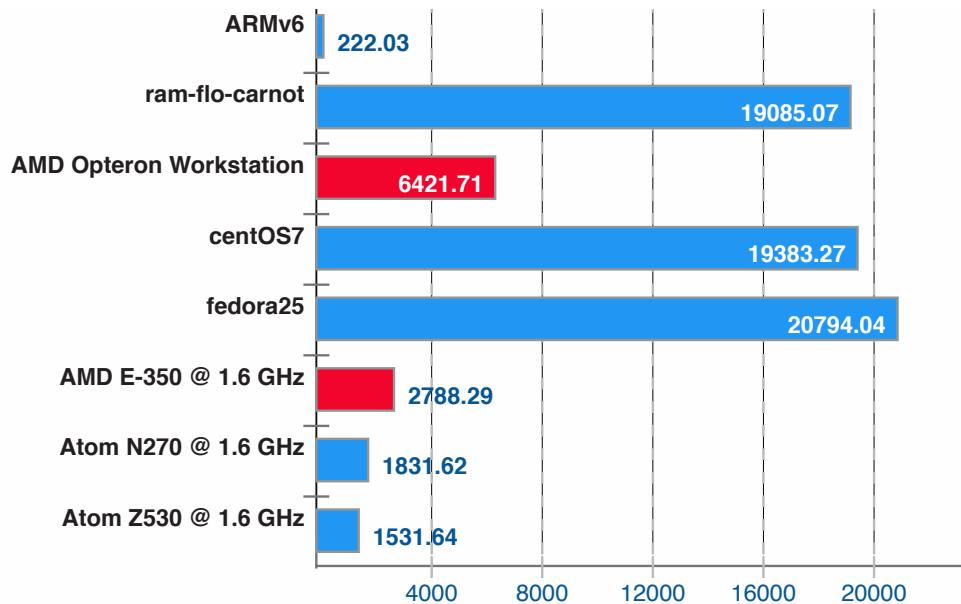
RAMspeed SMP v3.5.0

Type: Average - Benchmark: Floating Point



OpenBenchmarking.org





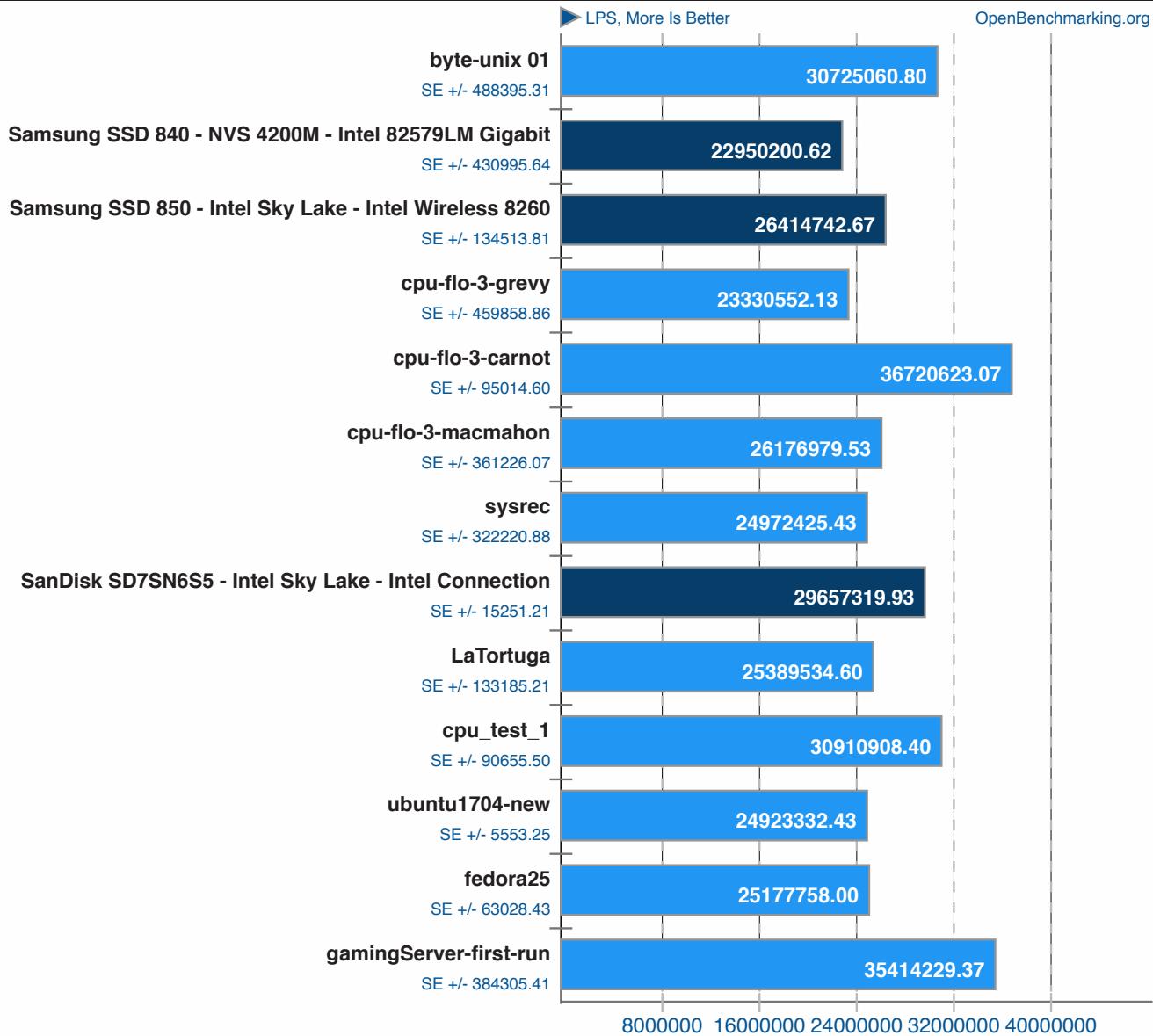
Phoronix Test Suite 7.0.0

BYTE Unix Benchmark v3.6

Computational Test: Dhrystone 2

ptsli

OpenBenchmarking.org



Phoronix Test Suite 7.0.0



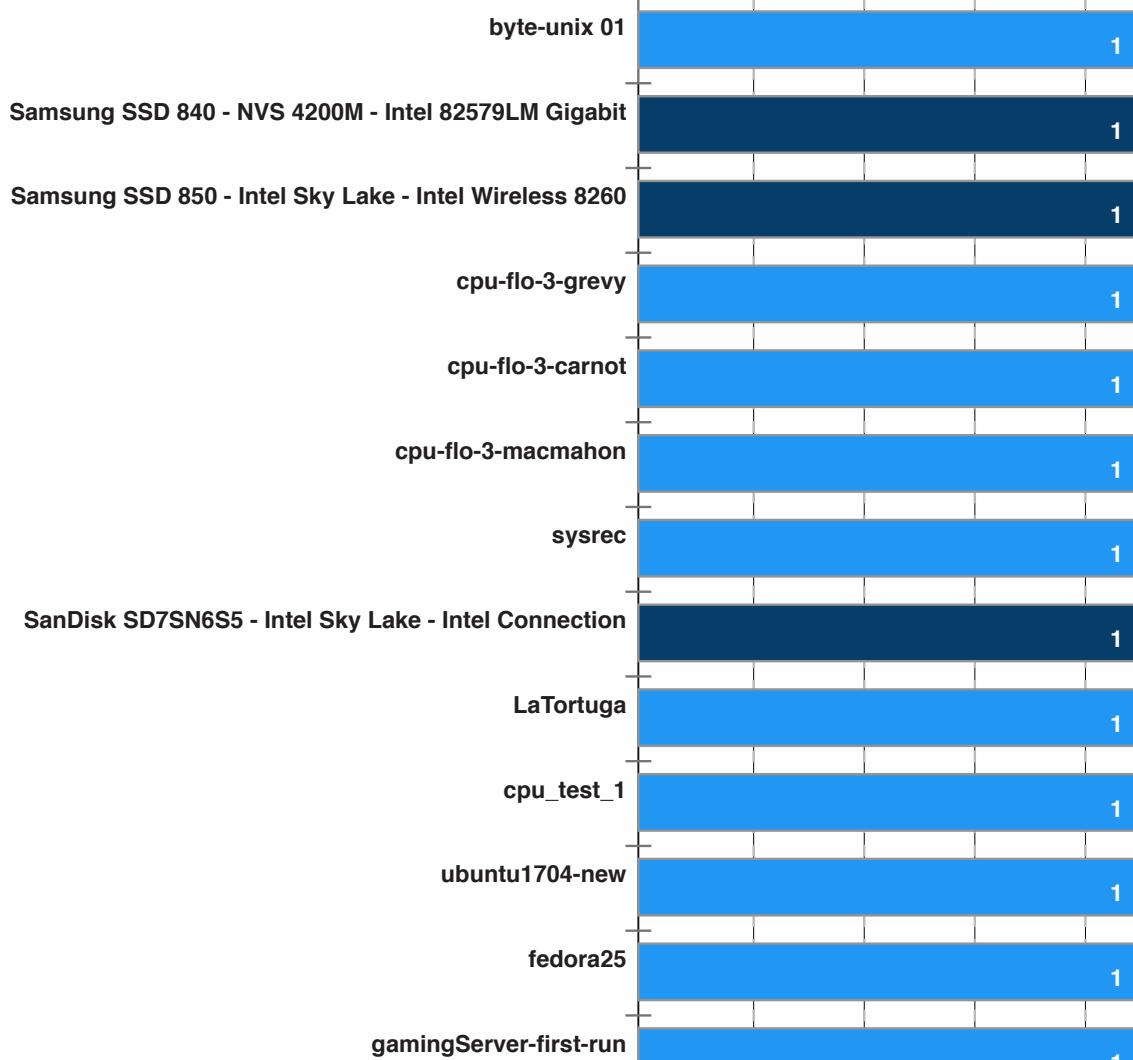
BYTE Unix Benchmark v3.6

Computational Test: Integer Arithmetic

ptsli

► LPS, More Is Better

OpenBenchmarking.org



0.225 0.45 0.675 0.9 1.125

Phoronix Test Suite 7.0.0



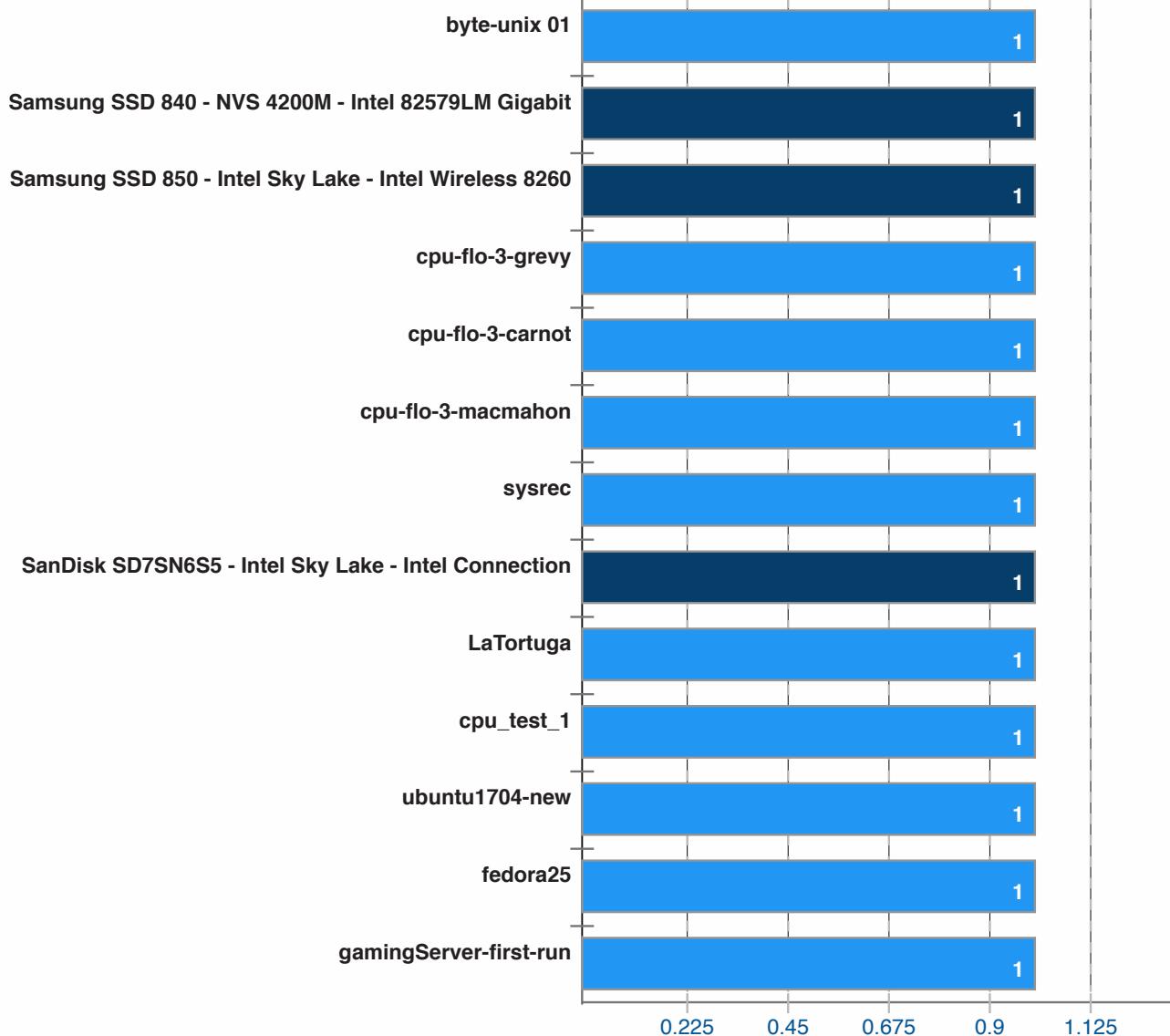
BYTE Unix Benchmark v3.6

Computational Test: Register Arithmetic

ptsli

► LPS, More Is Better

OpenBenchmarking.org



Phoronix Test Suite 7.0.0

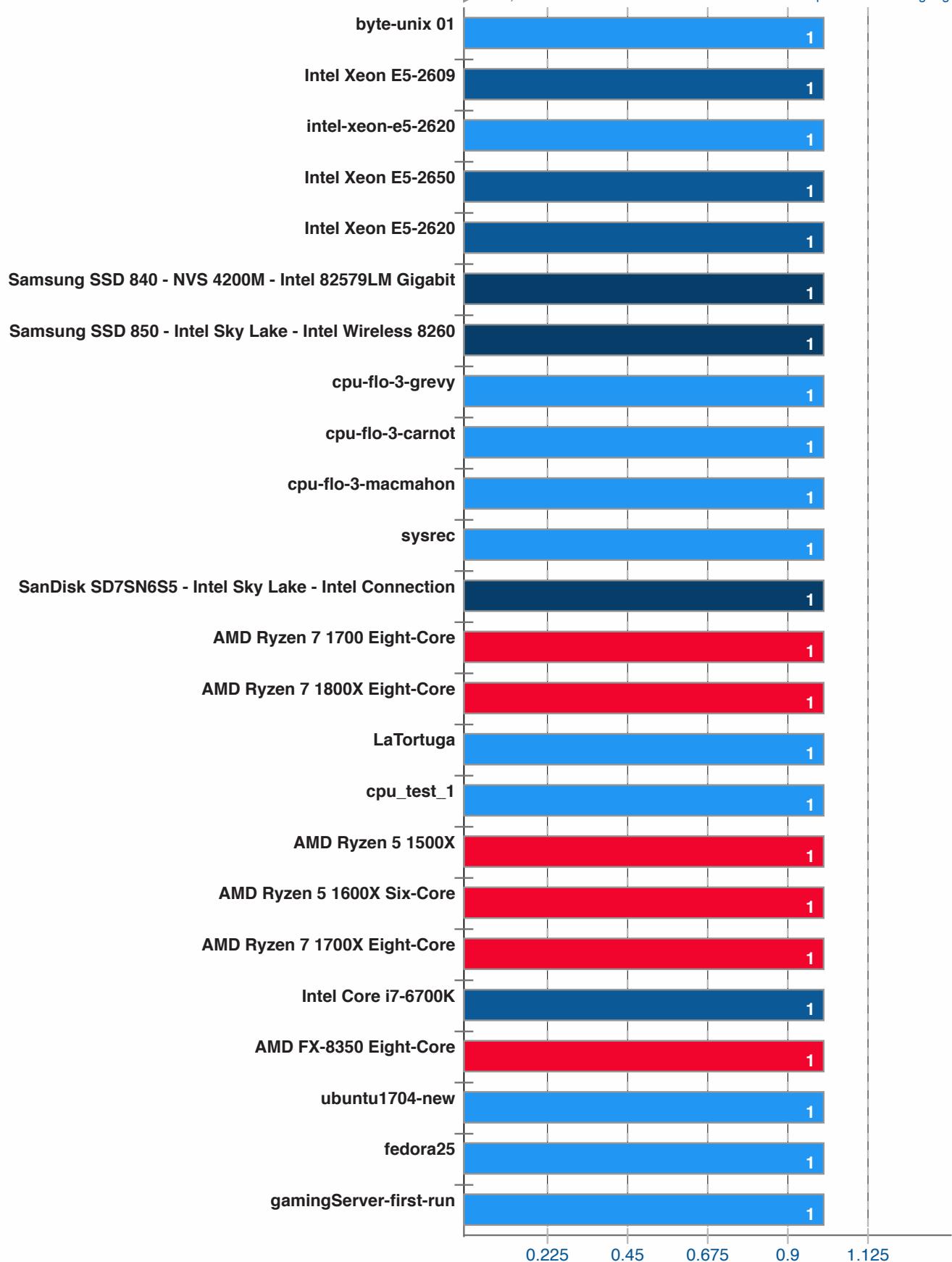
BYTE Unix Benchmark v3.6

Computational Test: Floating-Point Arithmetic

ptsli

► LPS, More Is Better

OpenBenchmarking.org



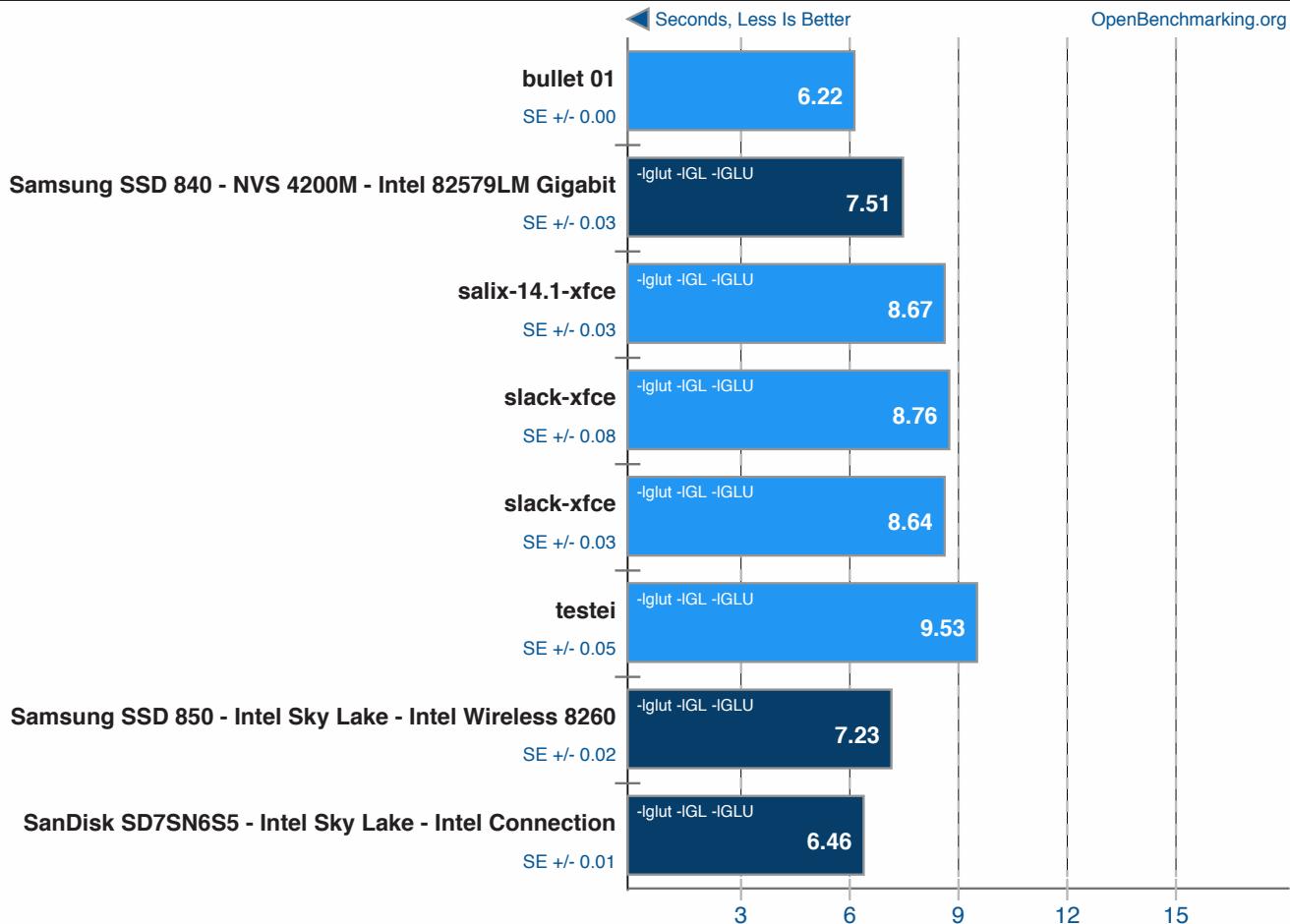
Phoronix Test Suite 7.0.0

Bullet Physics Engine v2.81

Test: 1000 Stack



OpenBenchmarking.org



1. (CXX) g++ options: -O3 -rdynamic

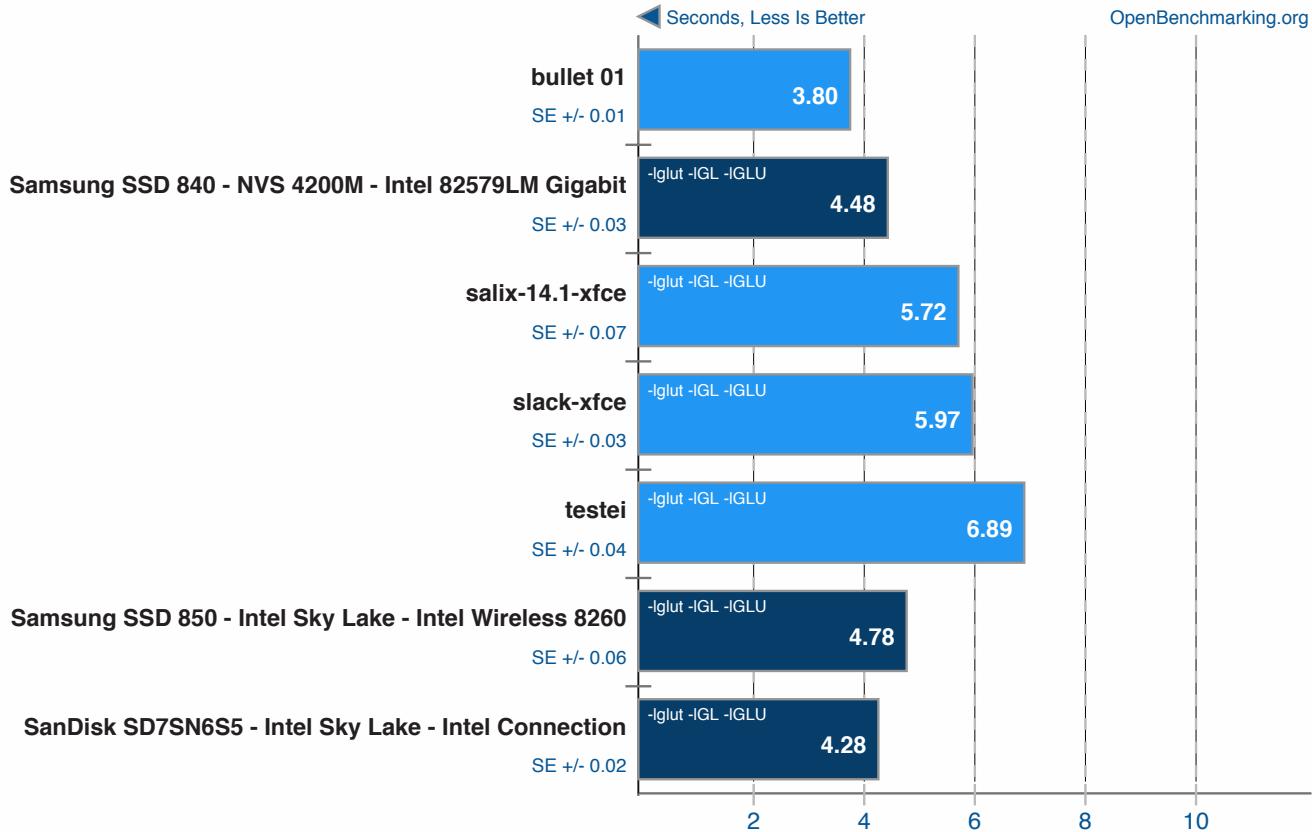
Phoronix Test Suite 7.0.0

Bullet Physics Engine v2.81

Test: 136 Ragdolls



OpenBenchmarking.org



1. (CXX) g++ options: -O3 -rdynamic

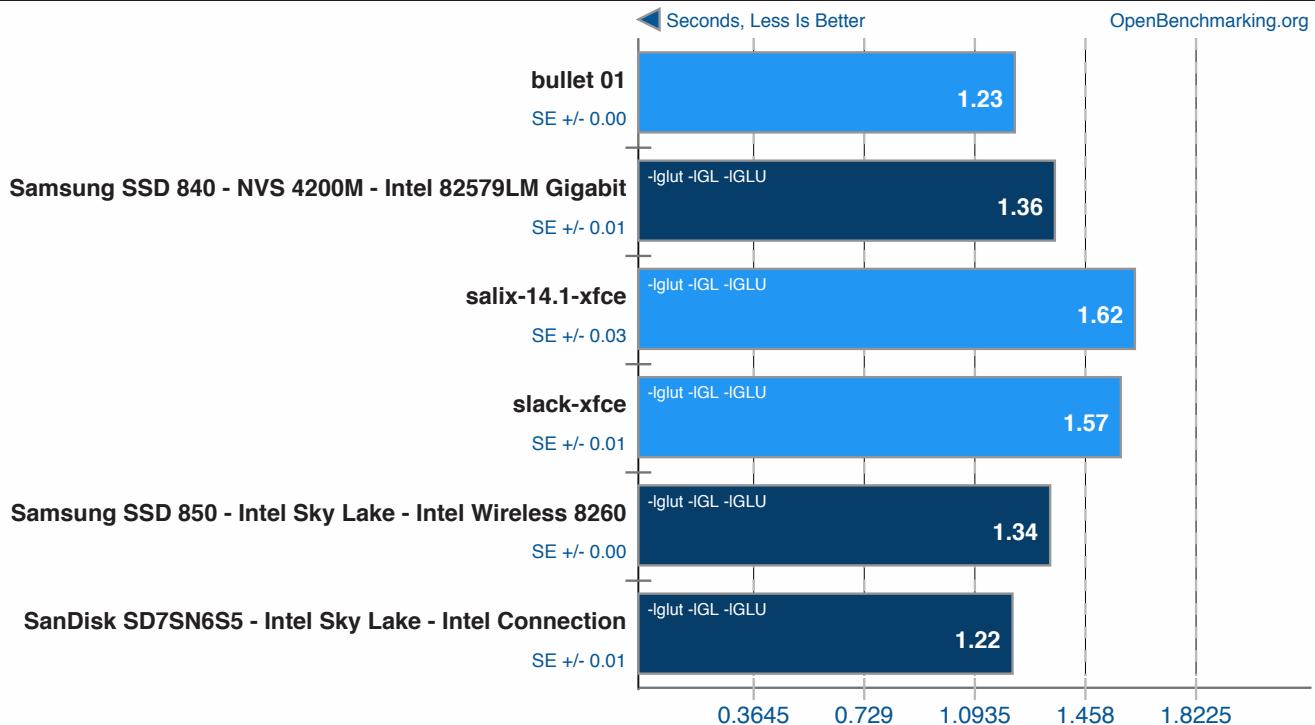
Phoronix Test Suite 7.0.0

Bullet Physics Engine v2.81

Test: Prim Trimesh



OpenBenchmarking.org



1. (CXX) g++ options: -O3 -rdynamic

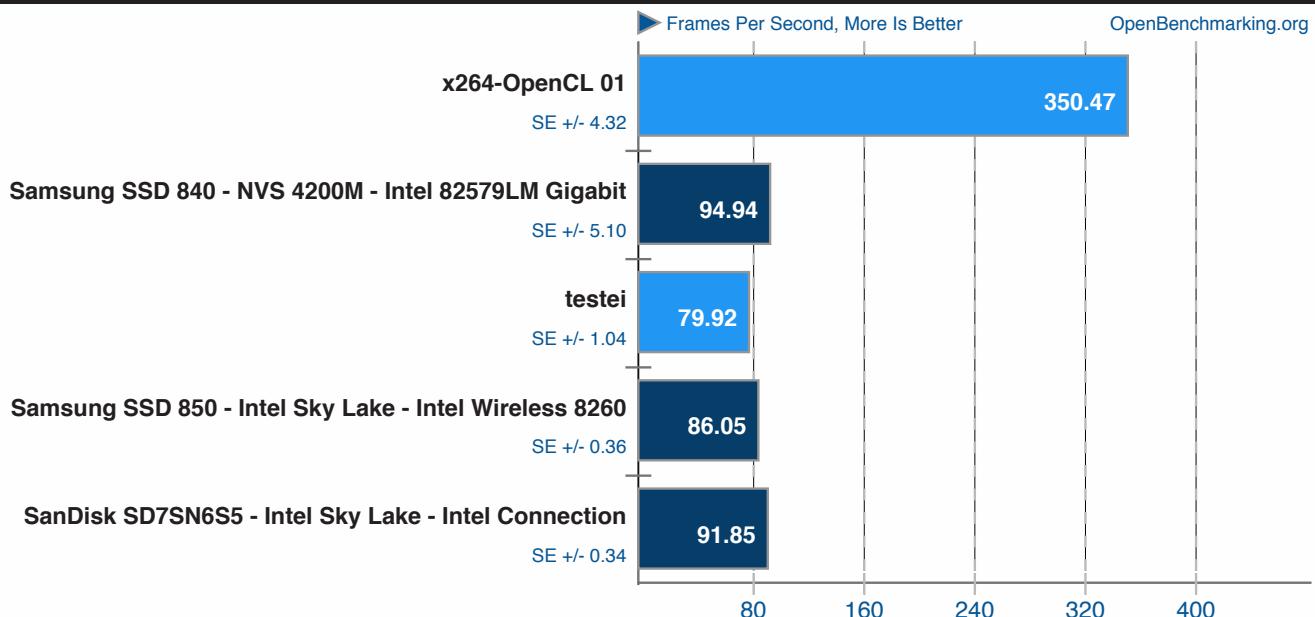
Phoronix Test Suite 7.0.0

x264 OpenCL v2014-08-30

H.264 Video Encoding



OpenBenchmarking.org



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

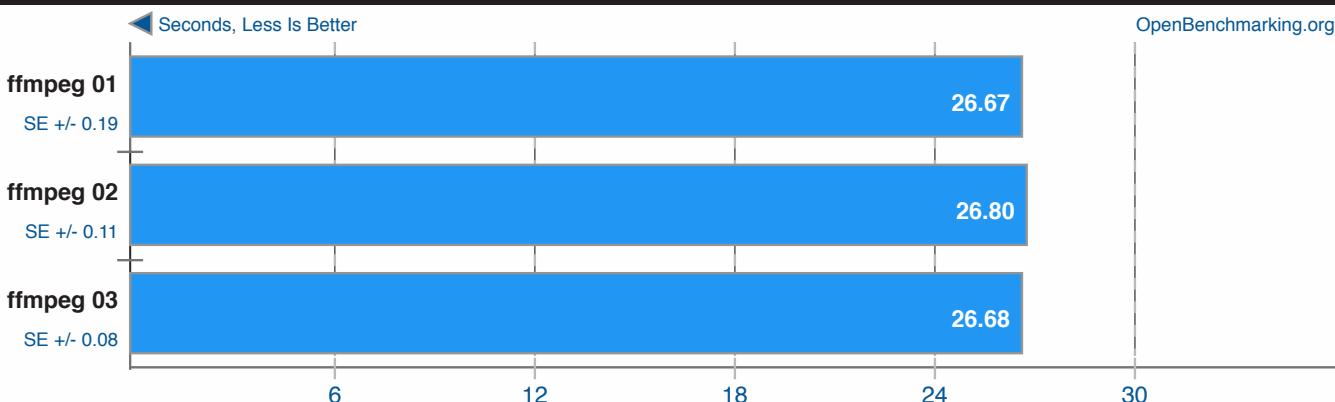
Phoronix Test Suite 7.0.0

FFmpeg v2.6.2

H.264 HD To NTSC DV



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

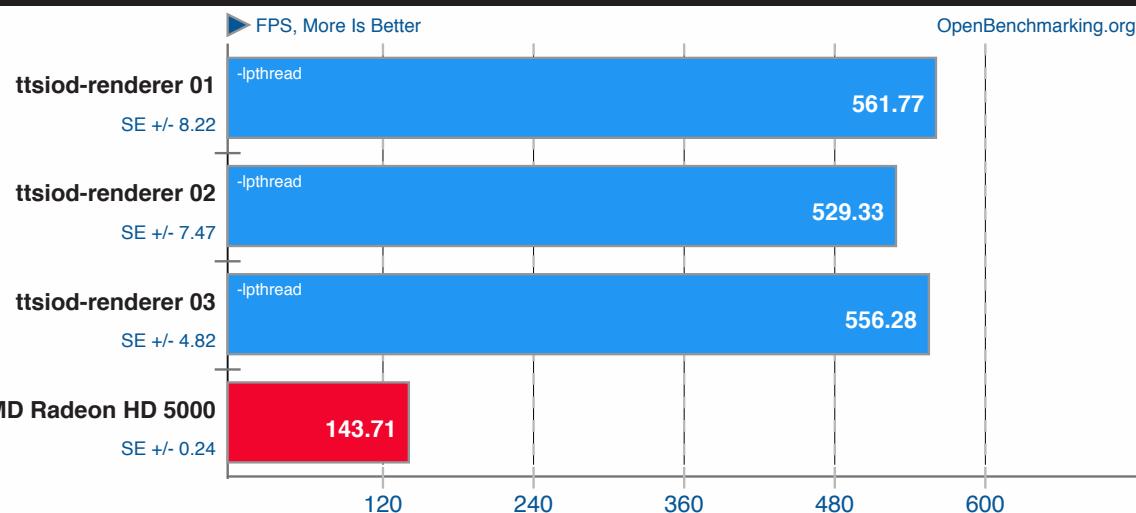
1. (CC) gcc options: -lavdevice -lavfilter -lavformat -lavcodec -lswresample -lswscale -lavutil -lxcb -lxcb-shm -lxcb-xfixes -lxcb-render -lxcb-shape -lX11 -lm -pthread -std=c99 -fomit-frame-pointer -O3 -fno-math-errno -fno-signed-zeros -fno-tree-vectorize -MMD -MF -MT

TTSIOD 3D Renderer v2.2z

Phong Rendering With Soft-Shadow Mapping



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

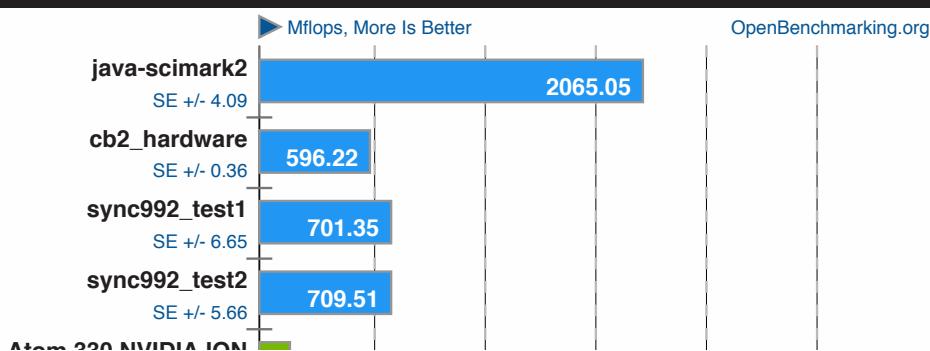
1. (CXX) g++ options: -O3 -fomit-frame-pointer -ffast-math -mtune=native -fipa -msse -mrecip -mfpmath=sse -msse2 -mssse3 -SDL -Istdc++

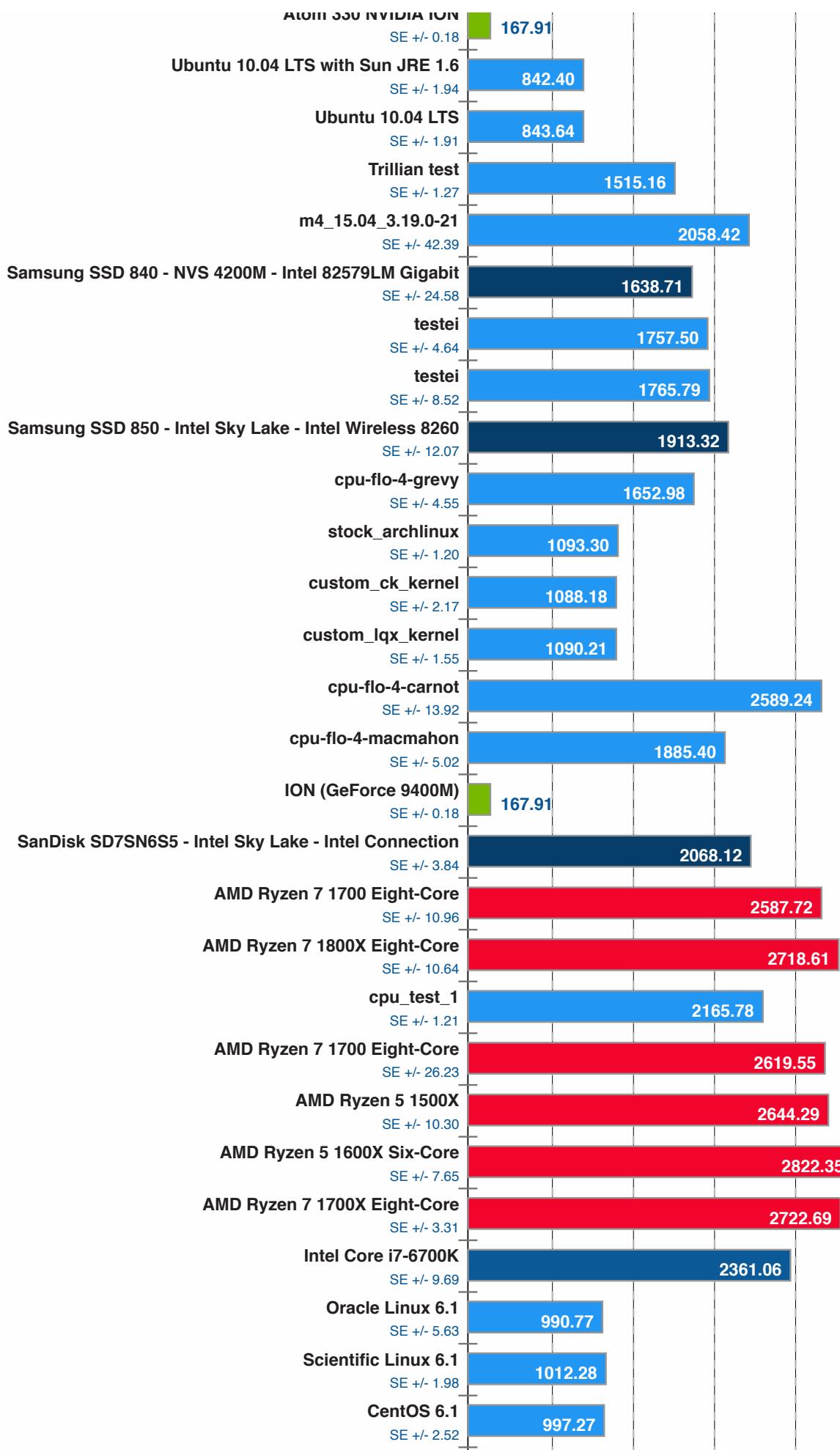
Java SciMark v2.0

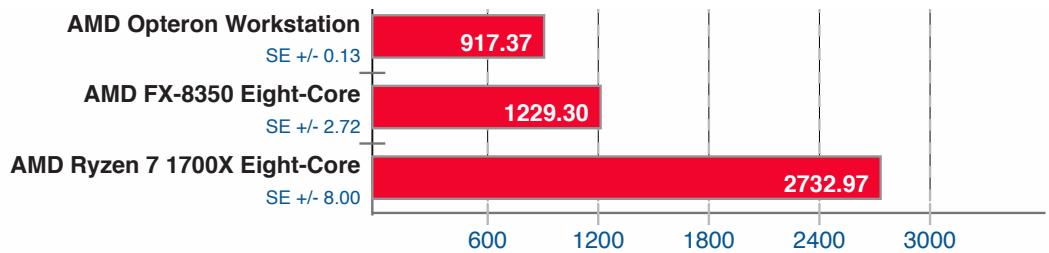
Computational Test: Composite



OpenBenchmarking.org







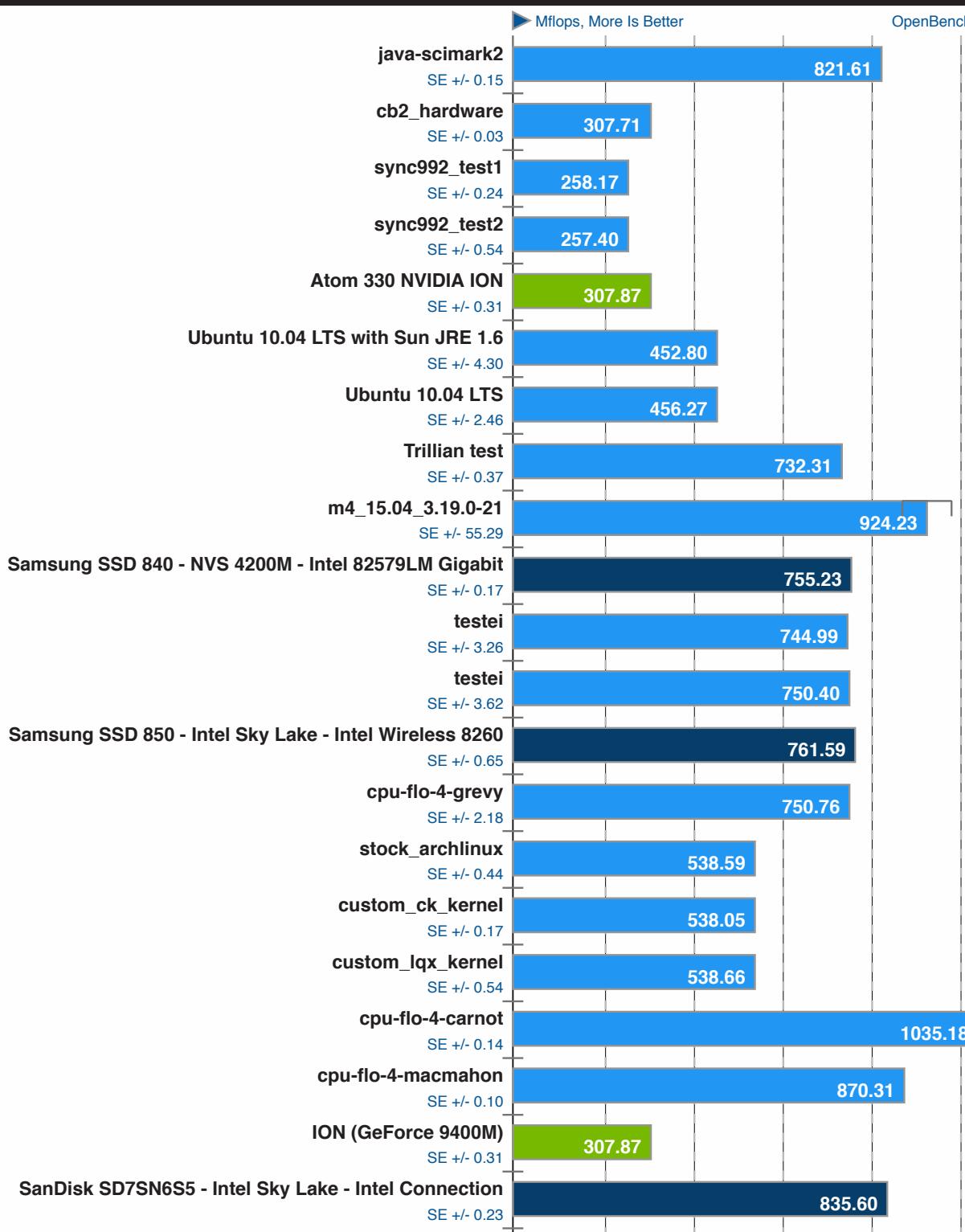
Phoronix Test Suite 7.0.0

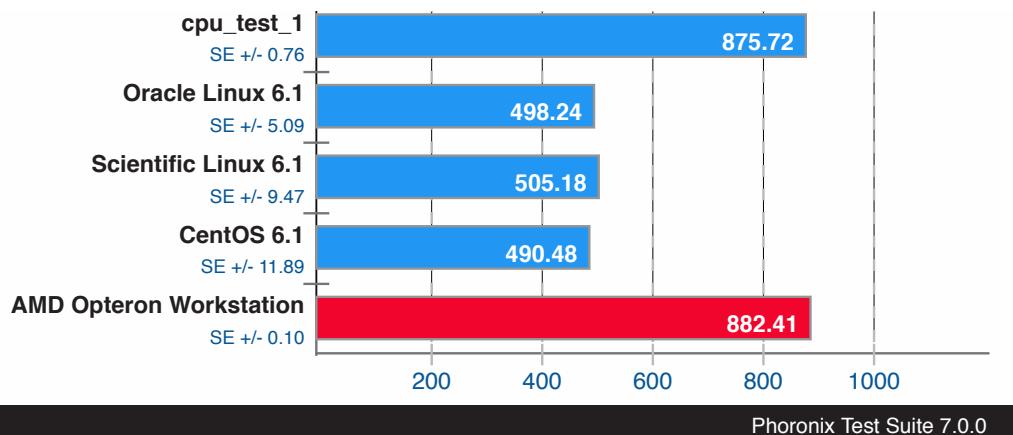
Java SciMark v2.0

Computational Test: Monte Carlo



OpenBenchmarking.org



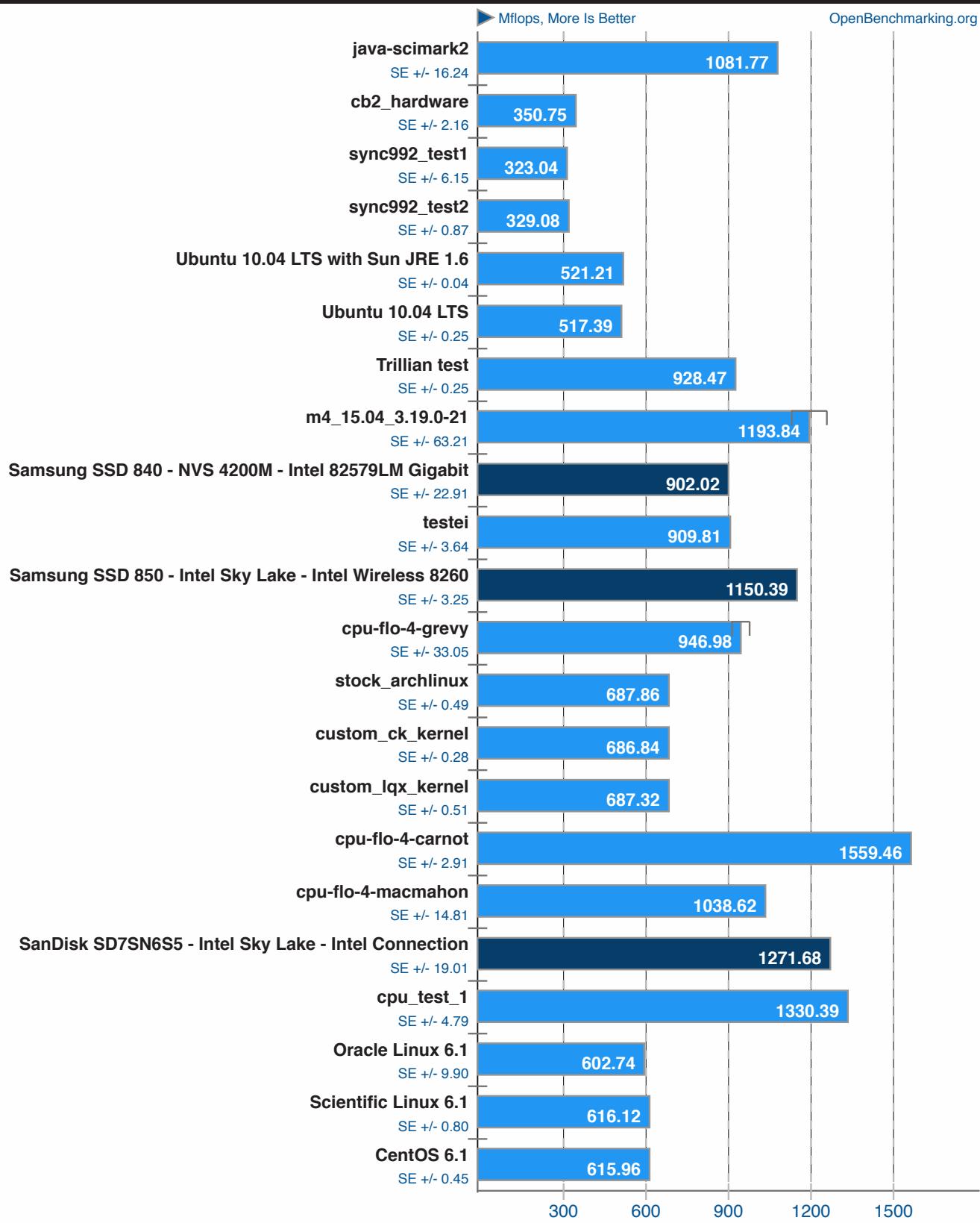


Java SciMark v2.0

Computational Test: Fast Fourier Transform



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

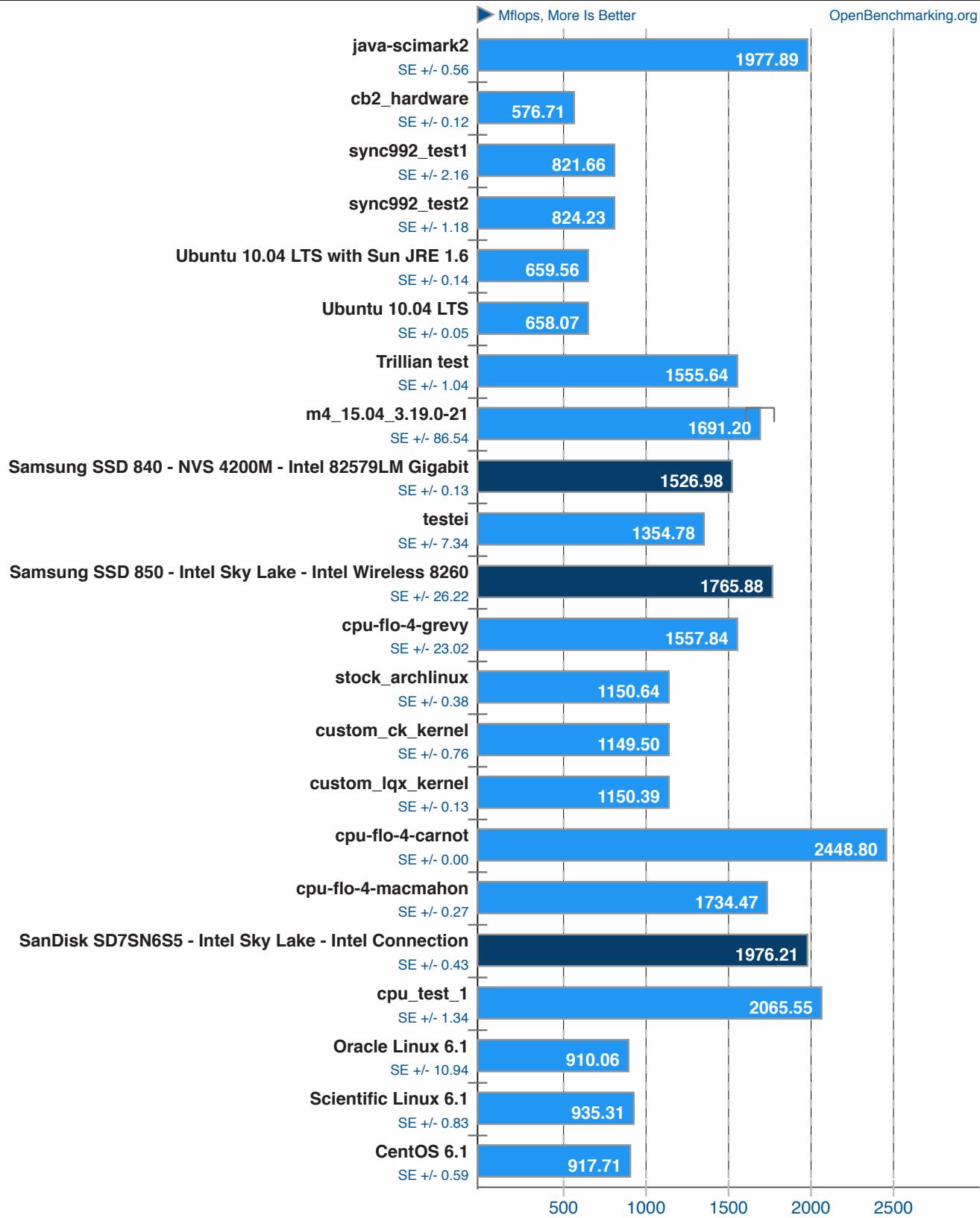
Java SciMark v2.0

Computational Test: Sparse Matrix Multiply



OpenBenchmarking.org

► Mflops, More Is Better



Phoronix Test Suite 7.0.0

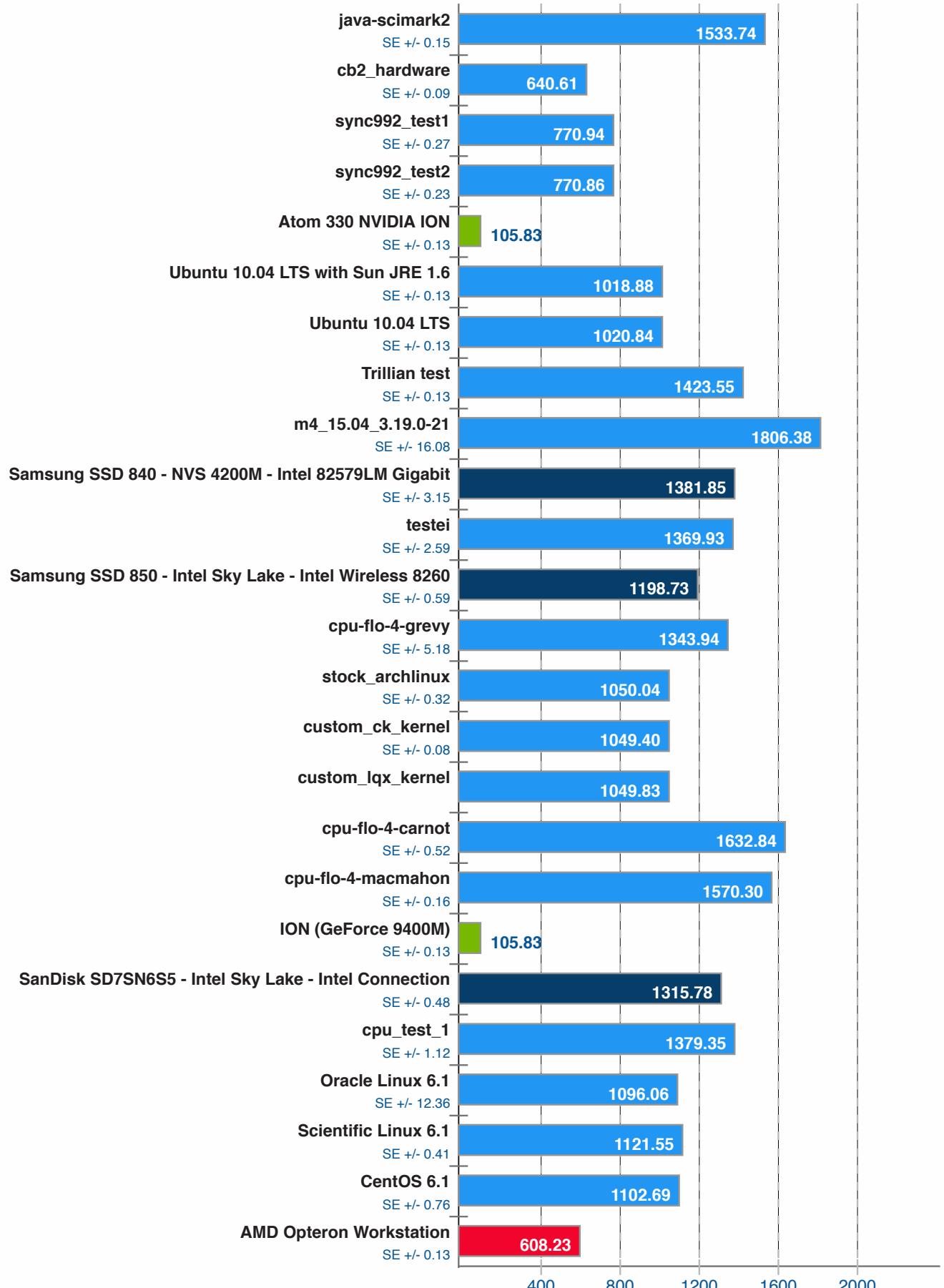
Java SciMark v2.0

Computational Test: Jacobi Successive Over-Relaxation



► Mflops, More Is Better

OpenBenchmarking.org

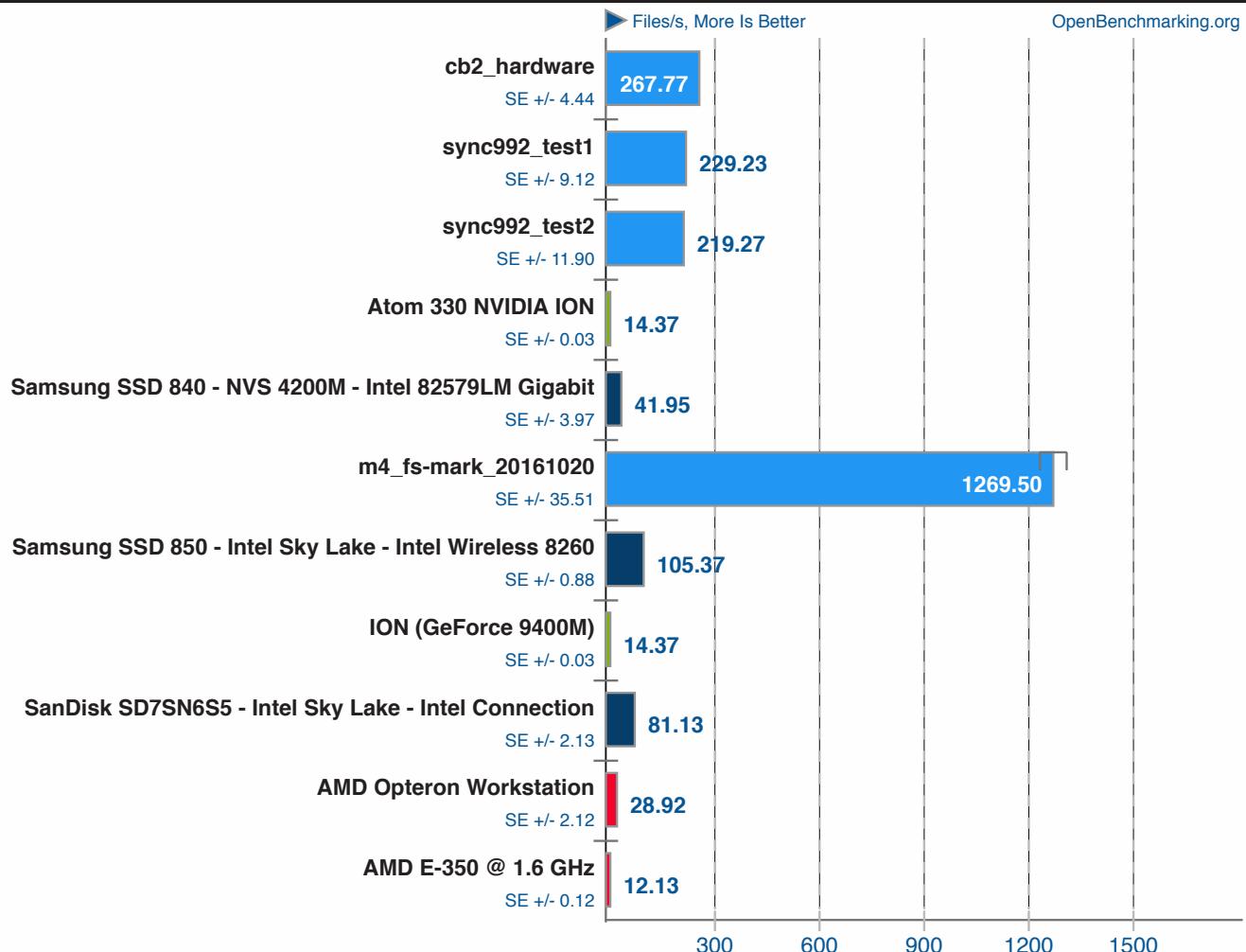


FS-Mark v3.3

Test: 1000 Files, 1MB Size



OpenBenchmarking.org



1. (CC) gcc options: -static

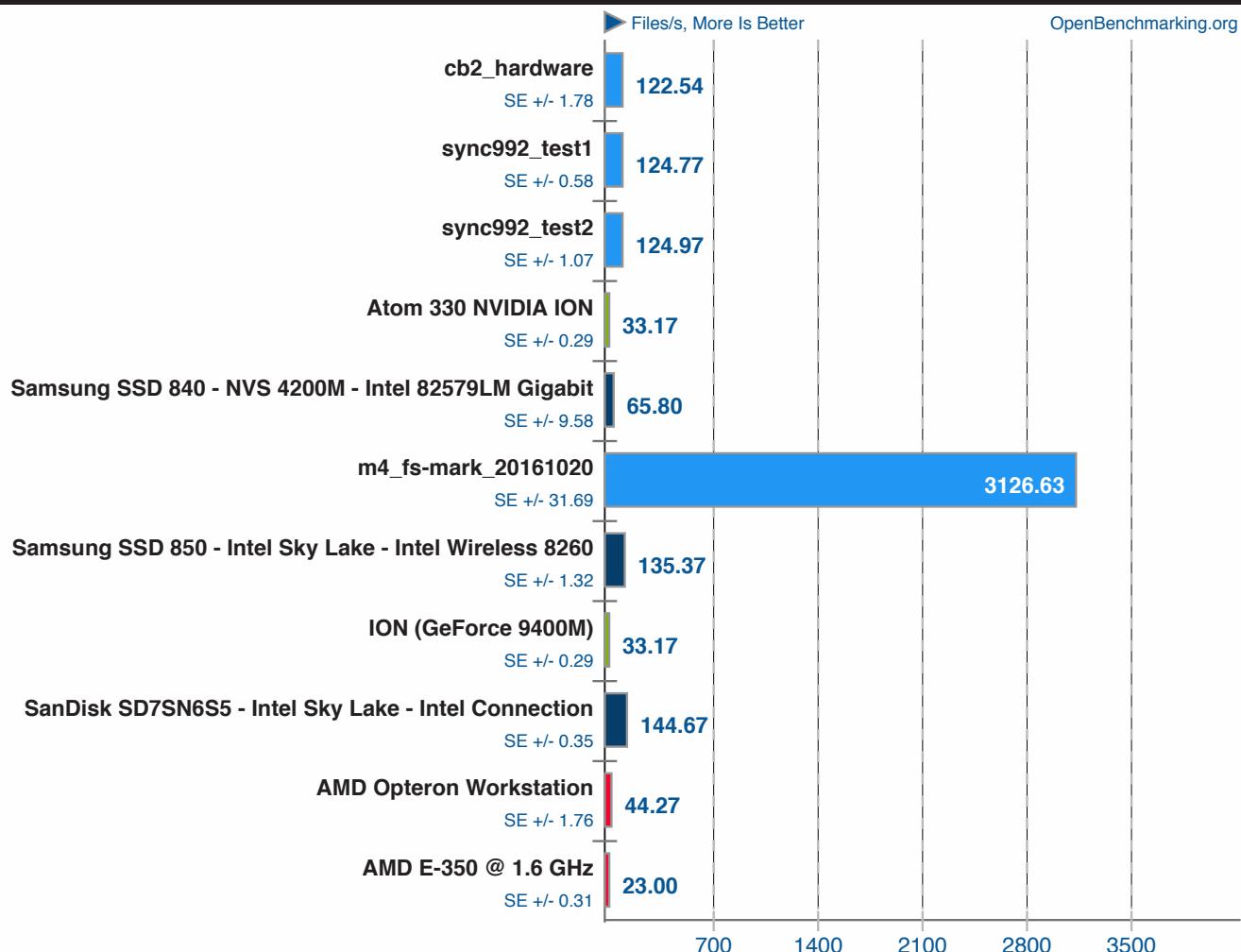
Phoronix Test Suite 7.0.0

FS-Mark v3.3

Test: 5000 Files, 1MB Size, 4 Threads



OpenBenchmarking.org



1. (CC) gcc options: -static

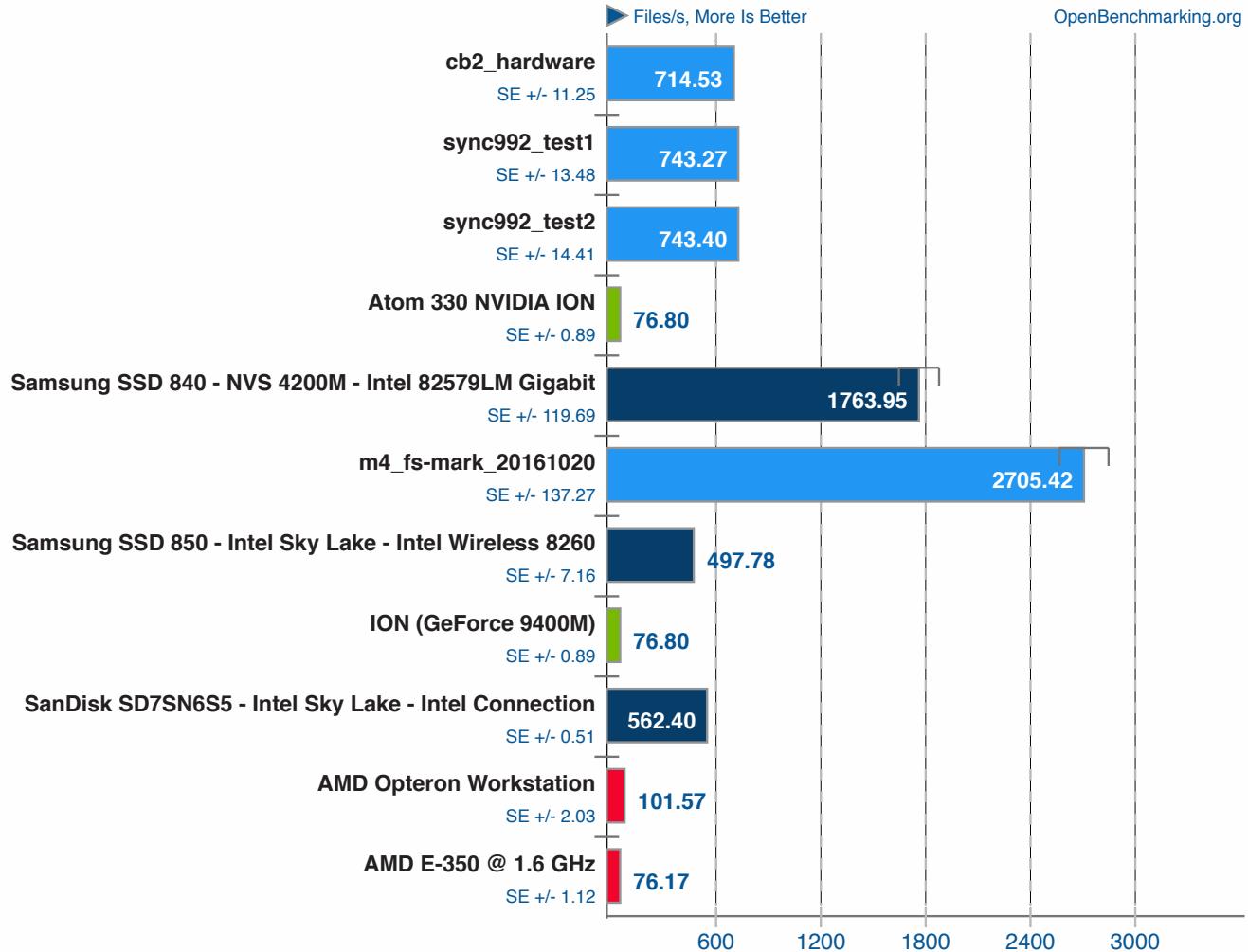
Phoronix Test Suite 7.0.0

FS-Mark v3.3

Test: 1000 Files, 1MB Size, No Sync/FSync



OpenBenchmarking.org



1. (CC) gcc options: -static

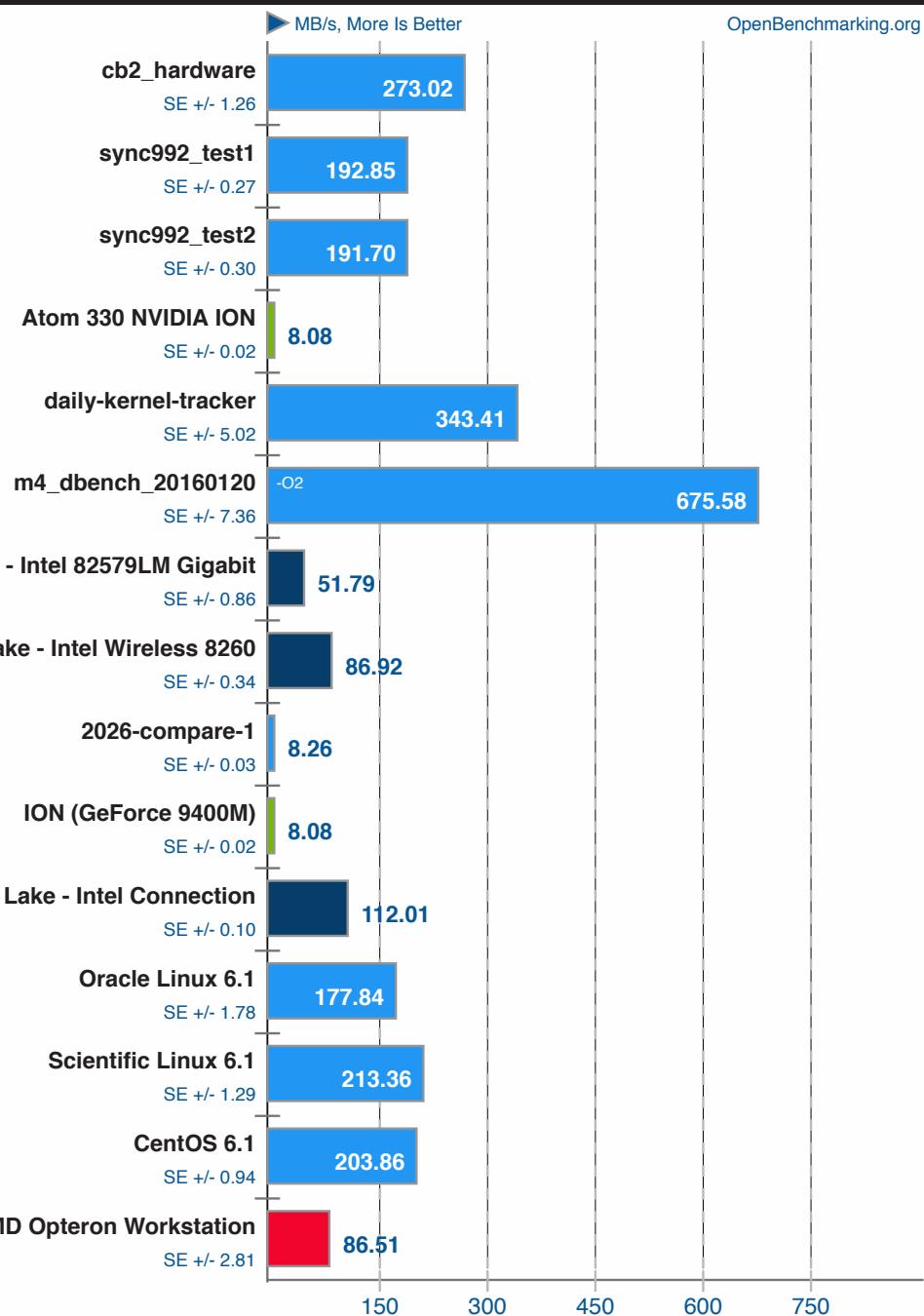
Phoronix Test Suite 7.0.0

Dbench v4.0

Client Count: 1



OpenBenchmarking.org



1. (CC) gcc options: -lpopt

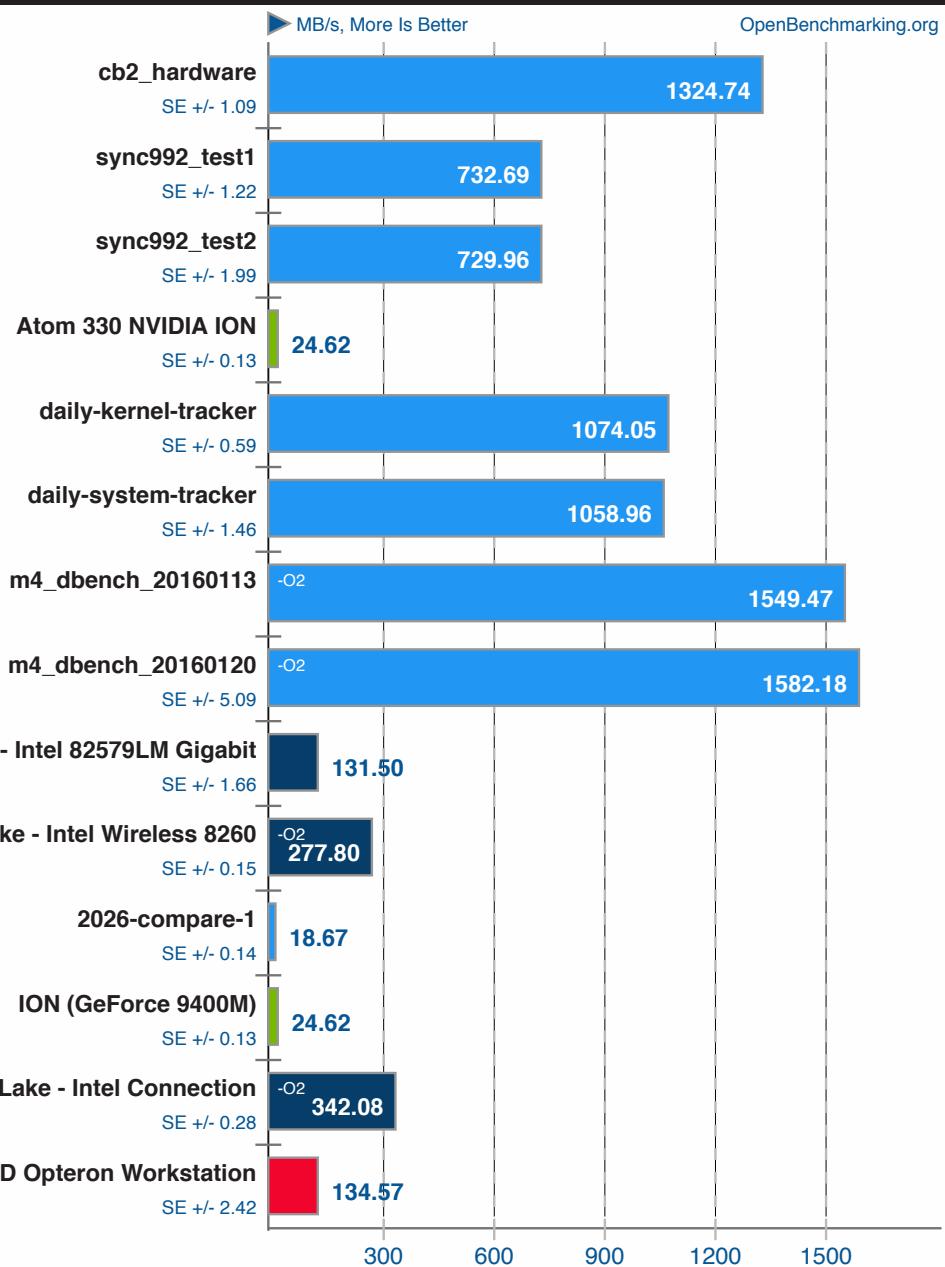
Phoronix Test Suite 7.0.0

Dbench v4.0

Client Count: 6



OpenBenchmarking.org



1. (CC) gcc options: -lpopt

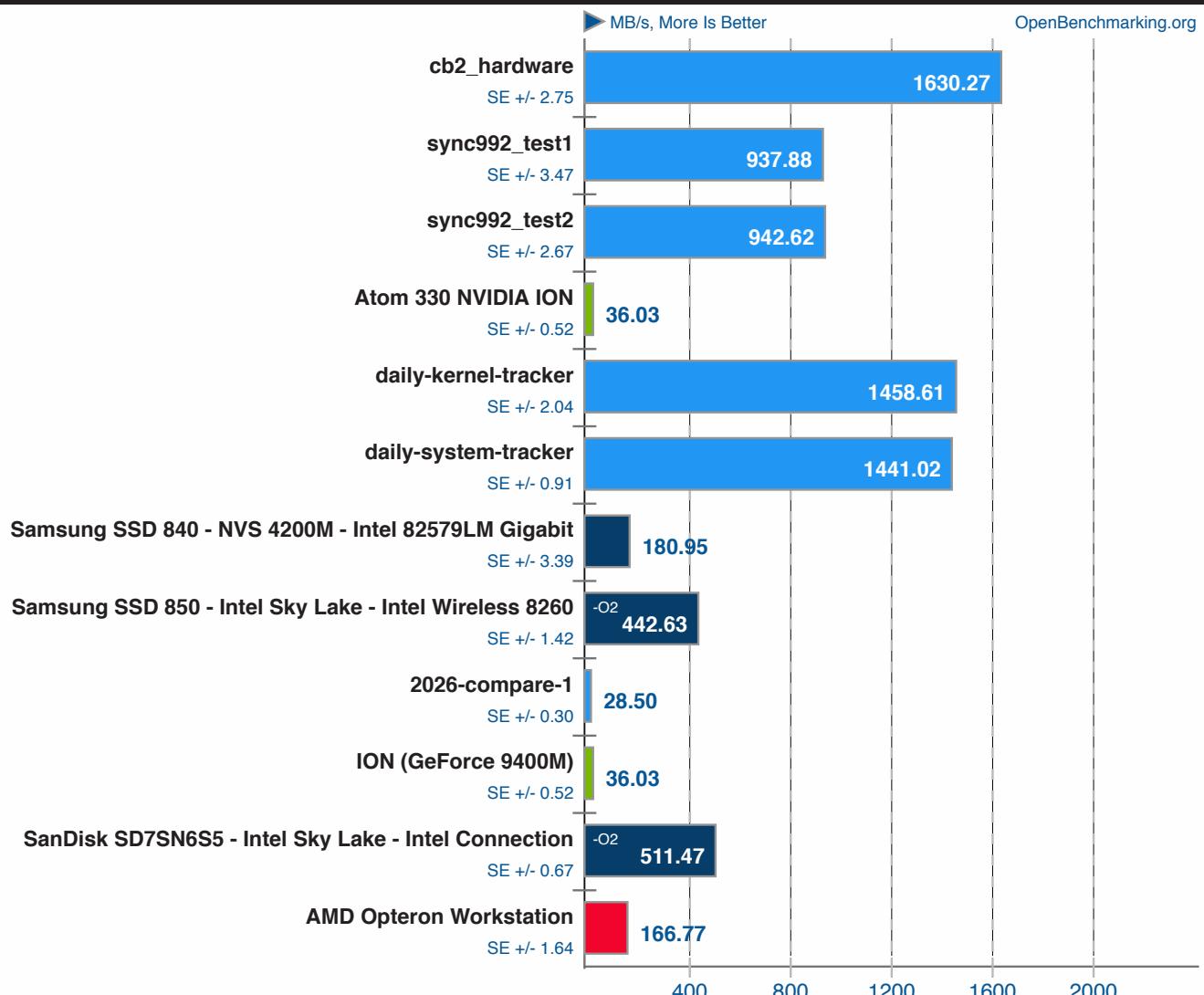
Phoronix Test Suite 7.0.0

Dbench v4.0

Client Count: 12



OpenBenchmarking.org



1. (CC) gcc options: -lpopt

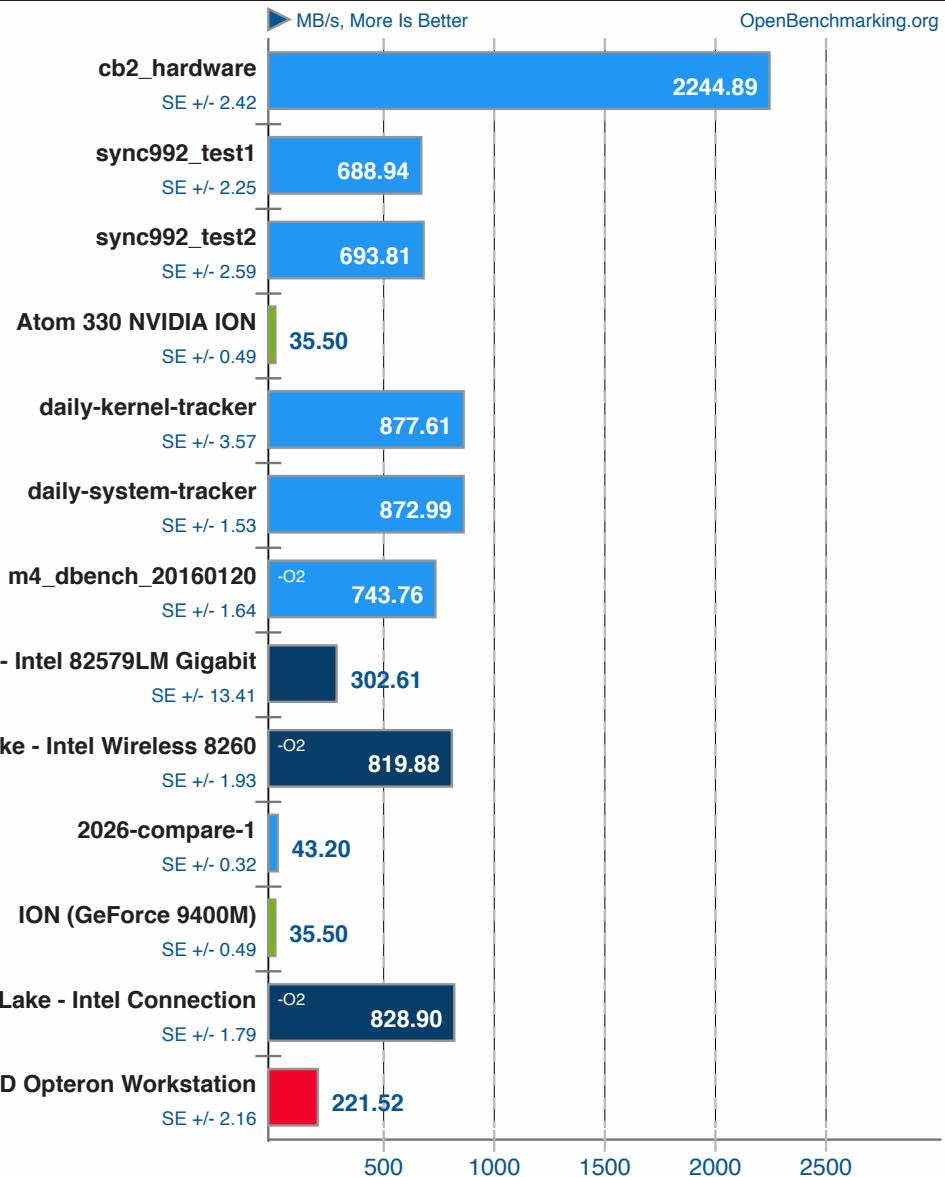
Phoronix Test Suite 7.0.0

Dbench v4.0

Client Count: 48



OpenBenchmarking.org



1. (CC) gcc options: -lpopt

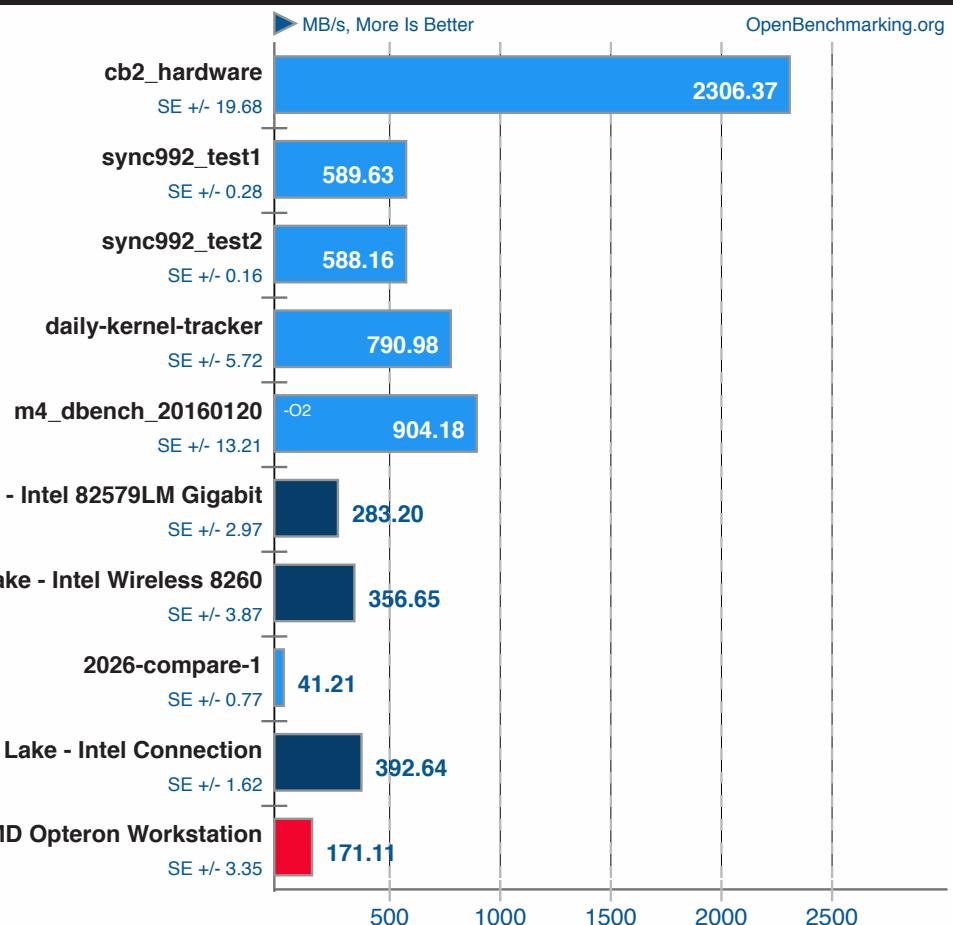
Phoronix Test Suite 7.0.0

Dbench v4.0

Client Count: 128



OpenBenchmarking.org



1. (CC) gcc options: -fpopt

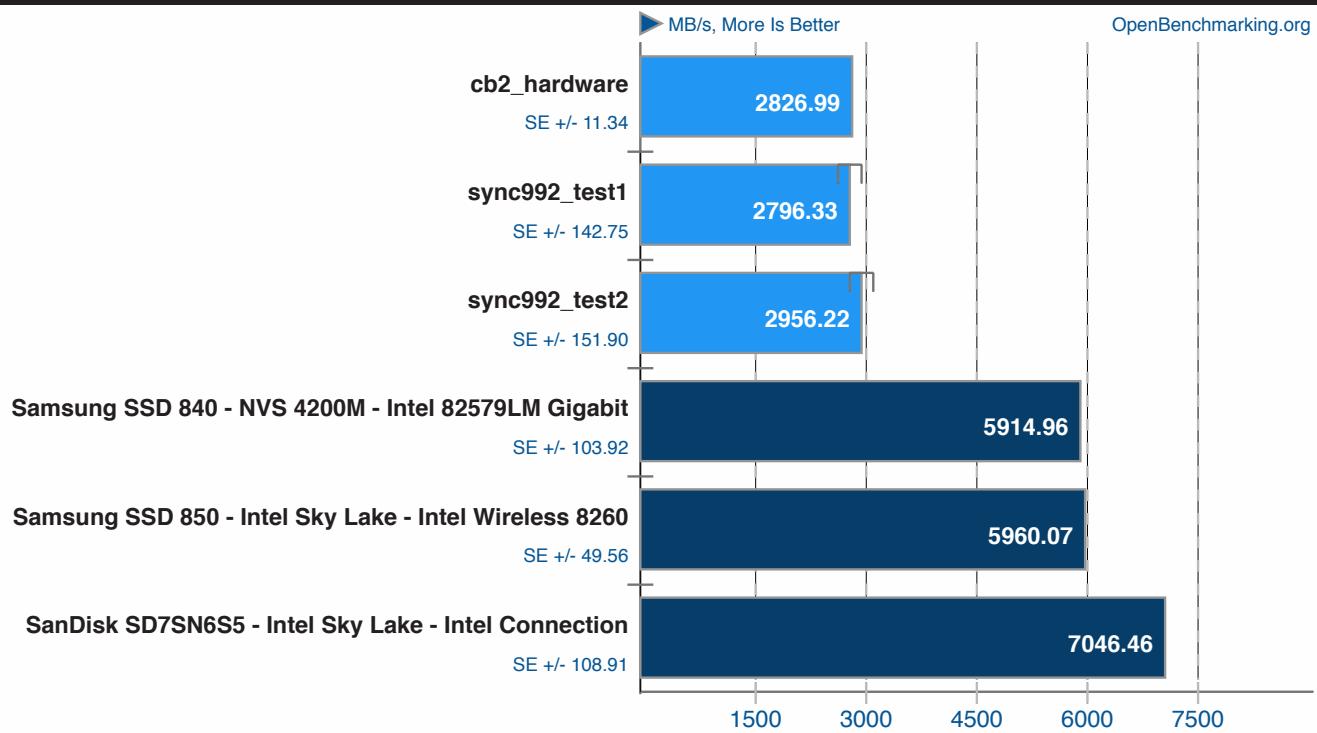
Phoronix Test Suite 7.0.0

IOzone v3.405

Record Size: 1MB - File Size: 2GB - Disk Test: Read Performance

ptsli

OpenBenchmarking.org



Phoronix Test Suite 7.0.0



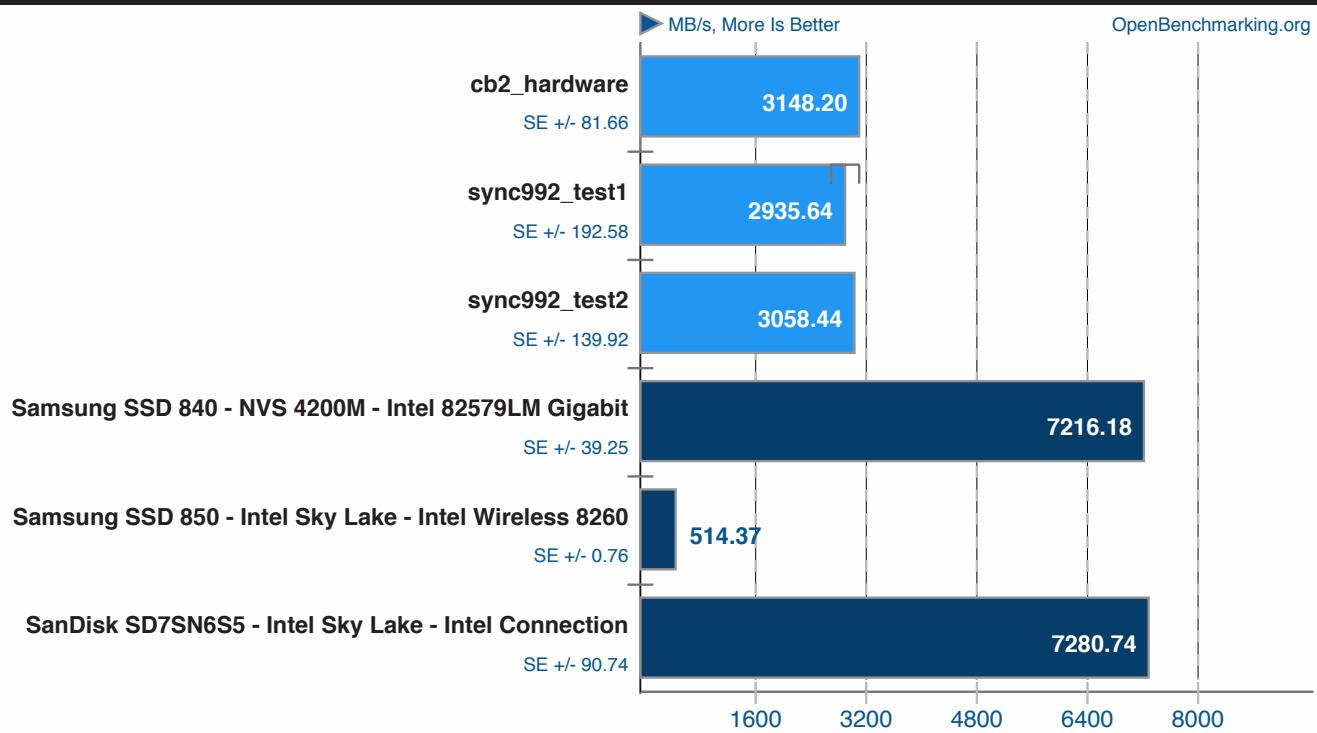
1. (CC) gcc options: -O3

IOzone v3.405

Record Size: 1MB - File Size: 4GB - Disk Test: Read Performance

ptsli

OpenBenchmarking.org



1. (CC) gcc options: -O3

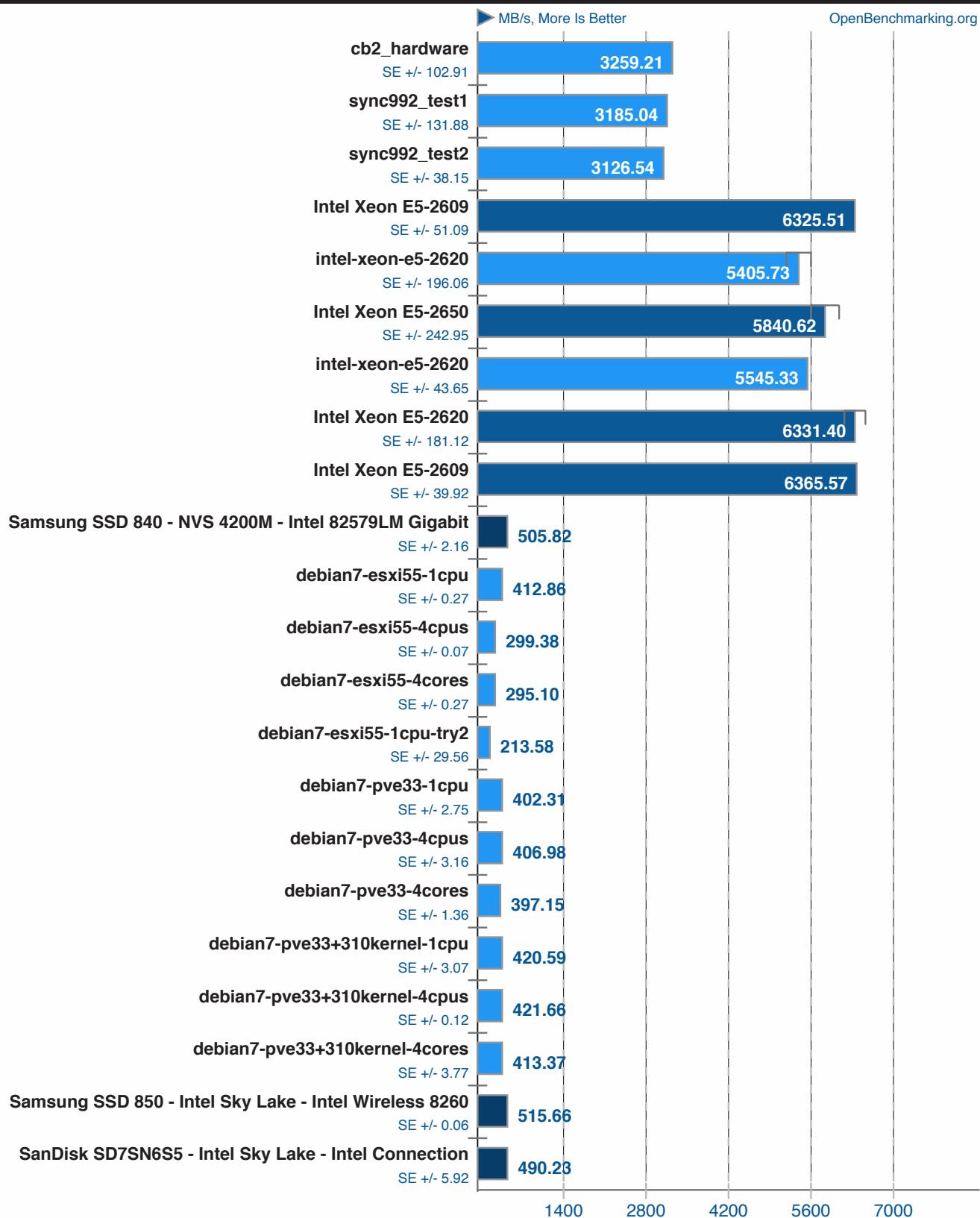
Phoronix Test Suite 7.0.0

IOzone v3.405

Record Size: 1MB - File Size: 8GB - Disk Test: Read Performance

ptsli

OpenBenchmarking.org



1. (CC) gcc options: -O3

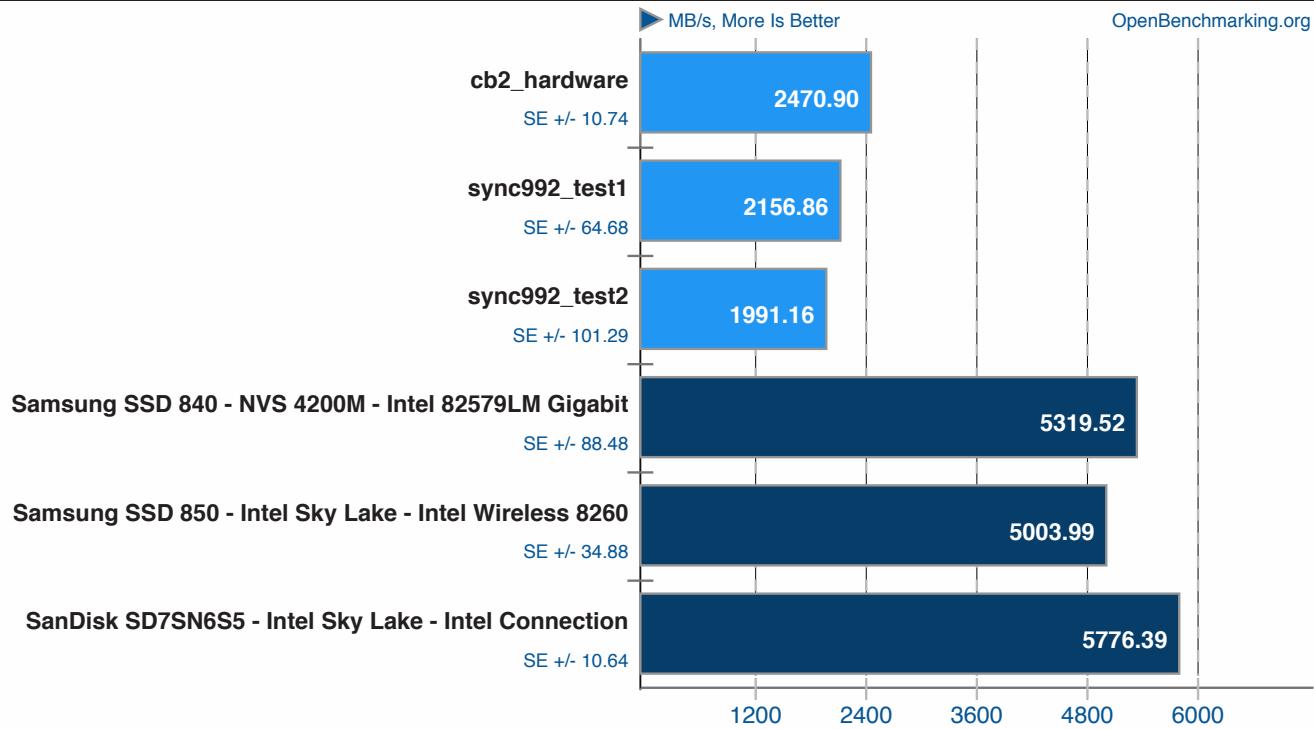
Phoronix Test Suite 7.0.0

IOzone v3.405

Record Size: 4Kb - File Size: 2GB - Disk Test: Read Performance



OpenBenchmarking.org



1. (CC) gcc options: -O3

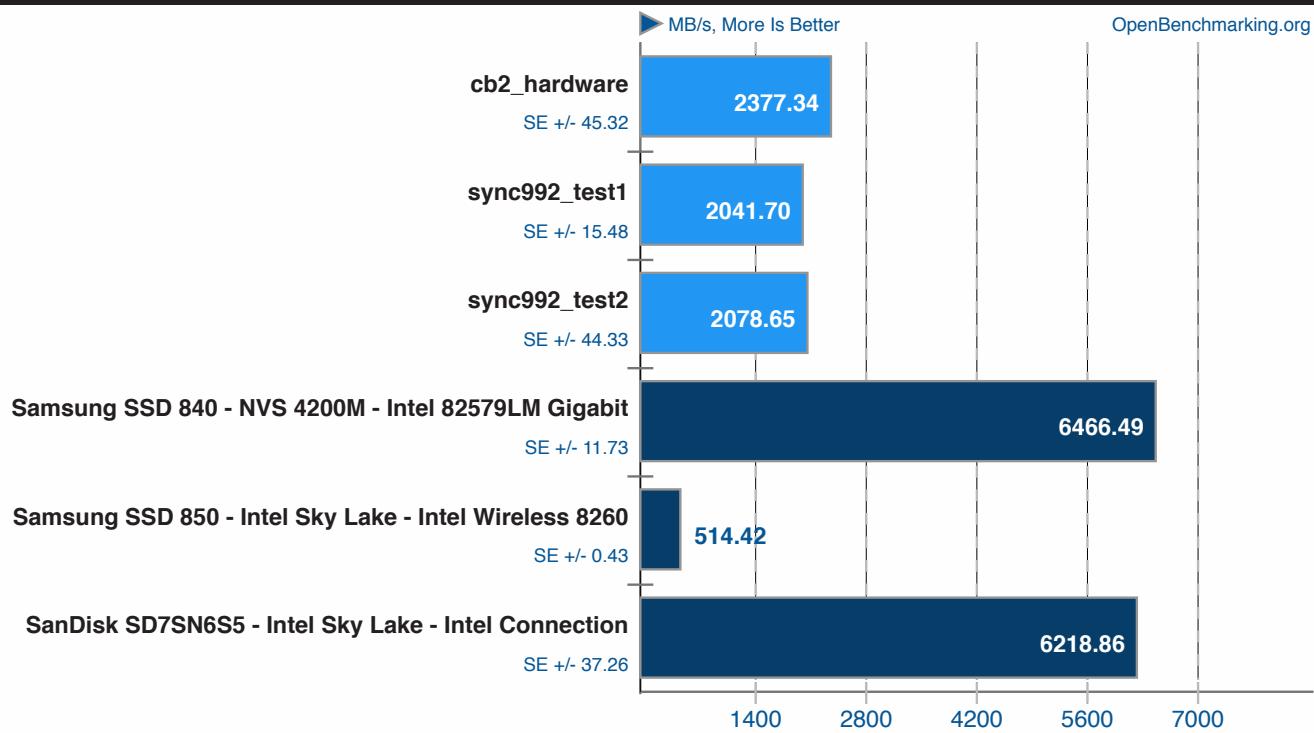
Phoronix Test Suite 7.0.0

IOzone v3.405

Record Size: 4Kb - File Size: 4GB - Disk Test: Read Performance

ptsli

OpenBenchmarking.org



1. (CC) gcc options: -O3

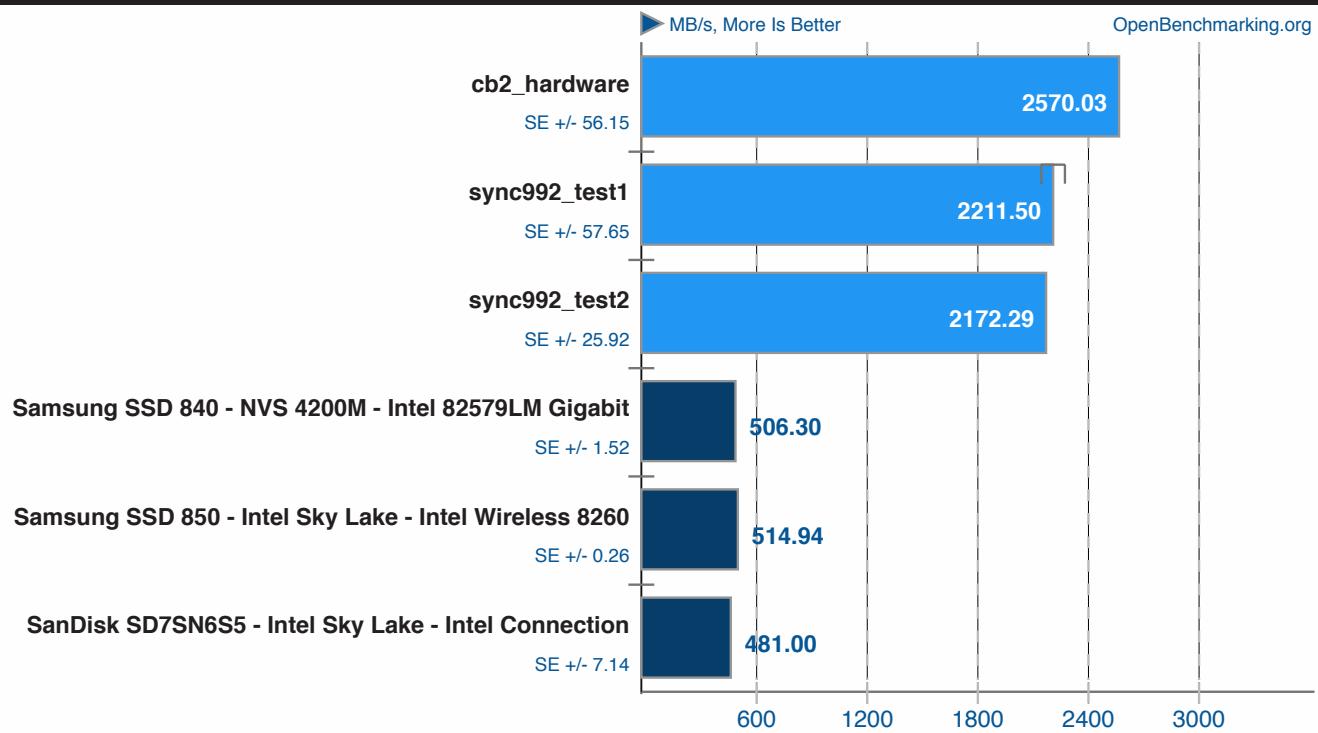
Phoronix Test Suite 7.0.0

IOzone v3.405

Record Size: 4Kb - File Size: 8GB - Disk Test: Read Performance

ptsli

OpenBenchmarking.org



1. (CC) gcc options: -O3

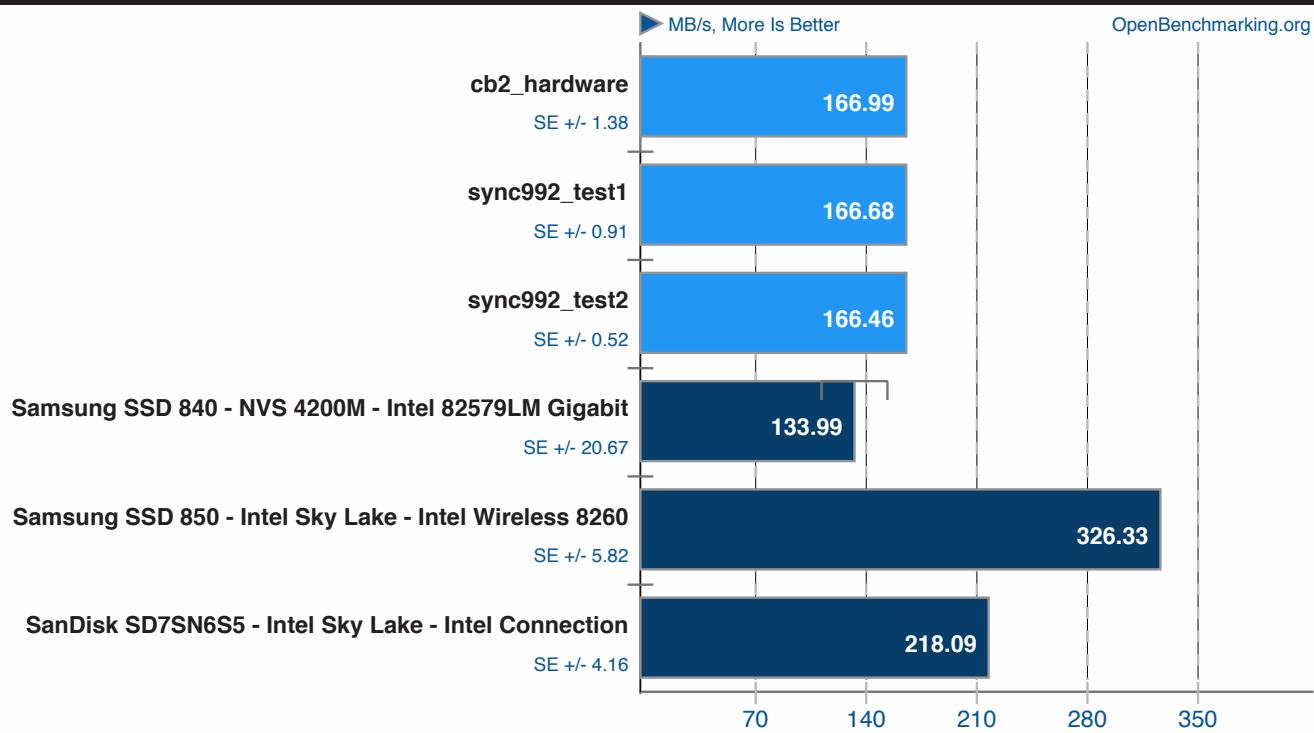
Phoronix Test Suite 7.0.0

IOzone v3.405

Record Size: 1MB - File Size: 2GB - Disk Test: Write Performance



OpenBenchmarking.org



1. (CC) gcc options: -O3

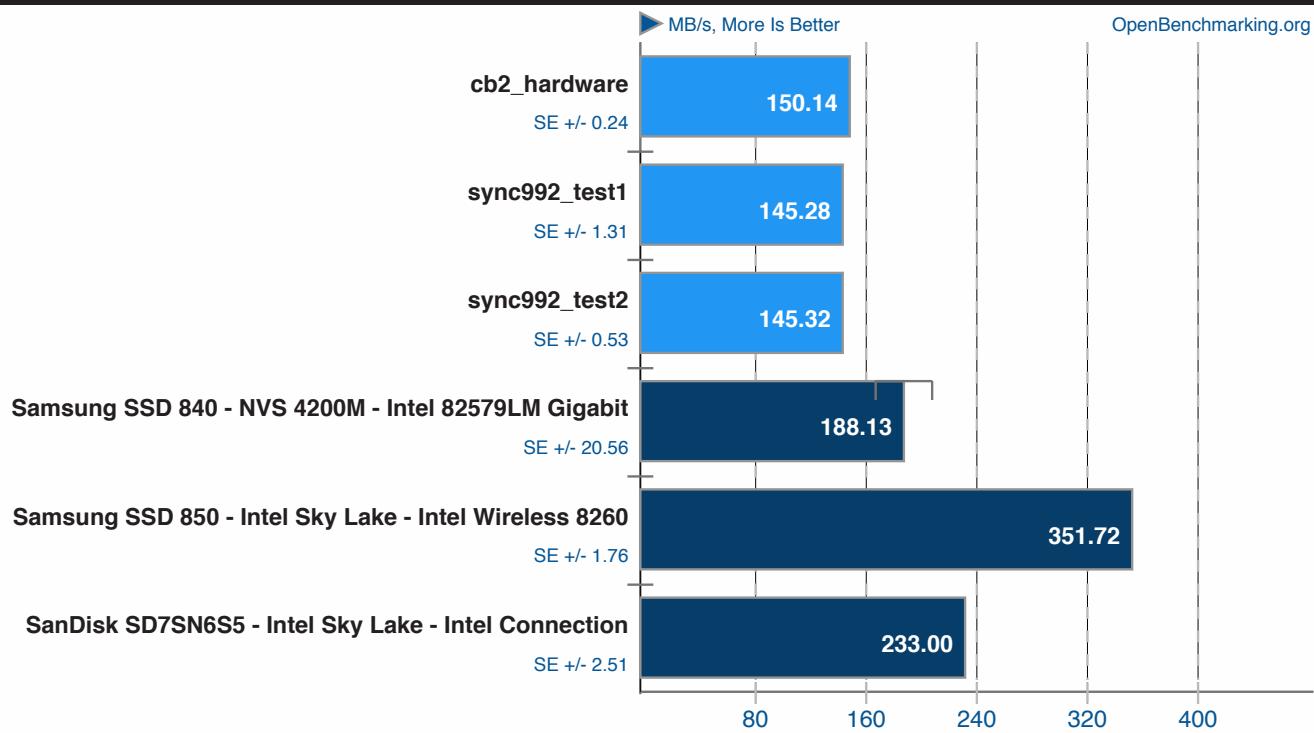
Phoronix Test Suite 7.0.0

IOzone v3.405

Record Size: 1MB - File Size: 4GB - Disk Test: Write Performance

ptsli

OpenBenchmarking.org



1. (CC) gcc options: -O3

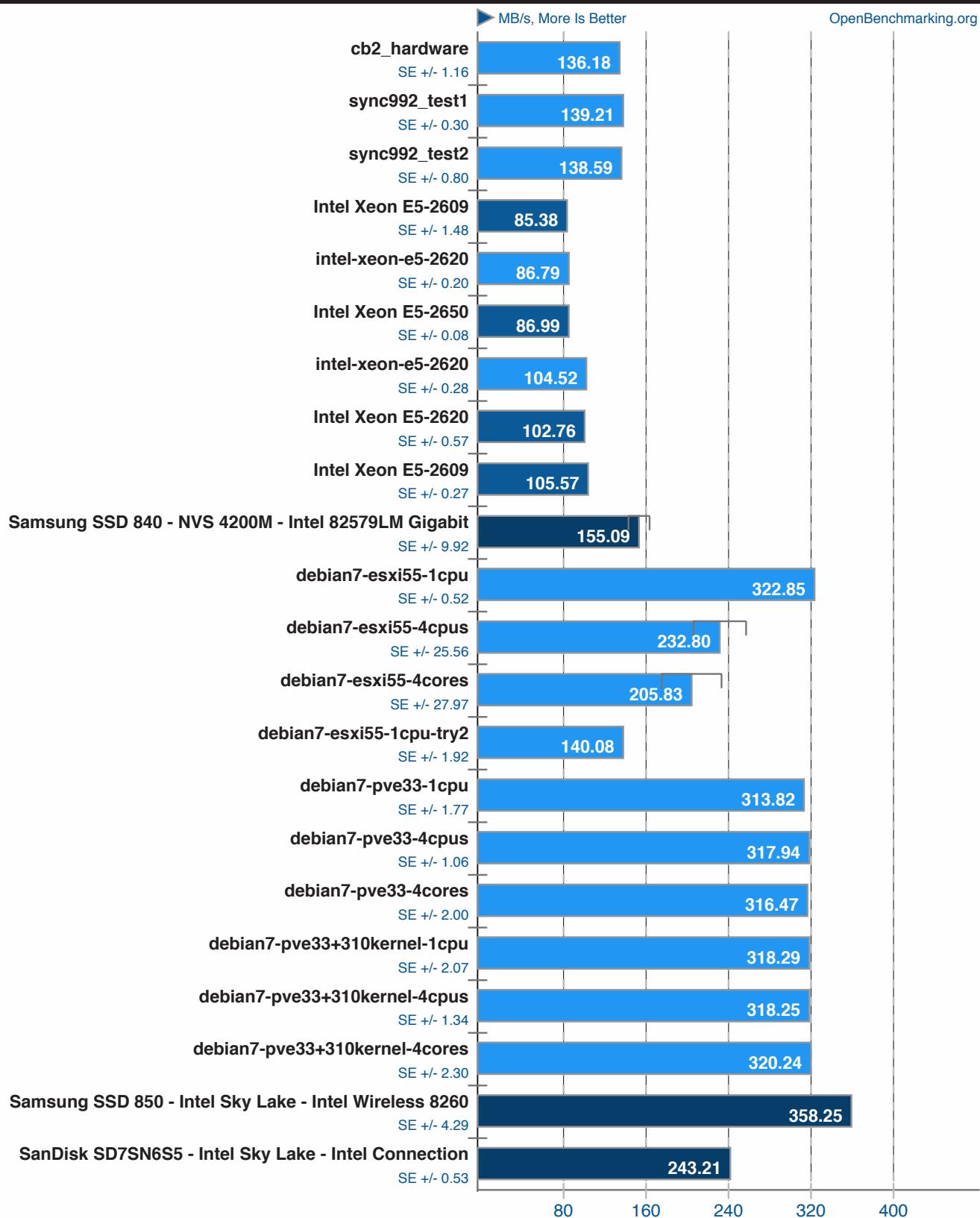
Phoronix Test Suite 7.0.0

IOzone v3.405

Record Size: 1MB - File Size: 8GB - Disk Test: Write Performance



OpenBenchmarking.org



1. (CC) gcc options: -O3

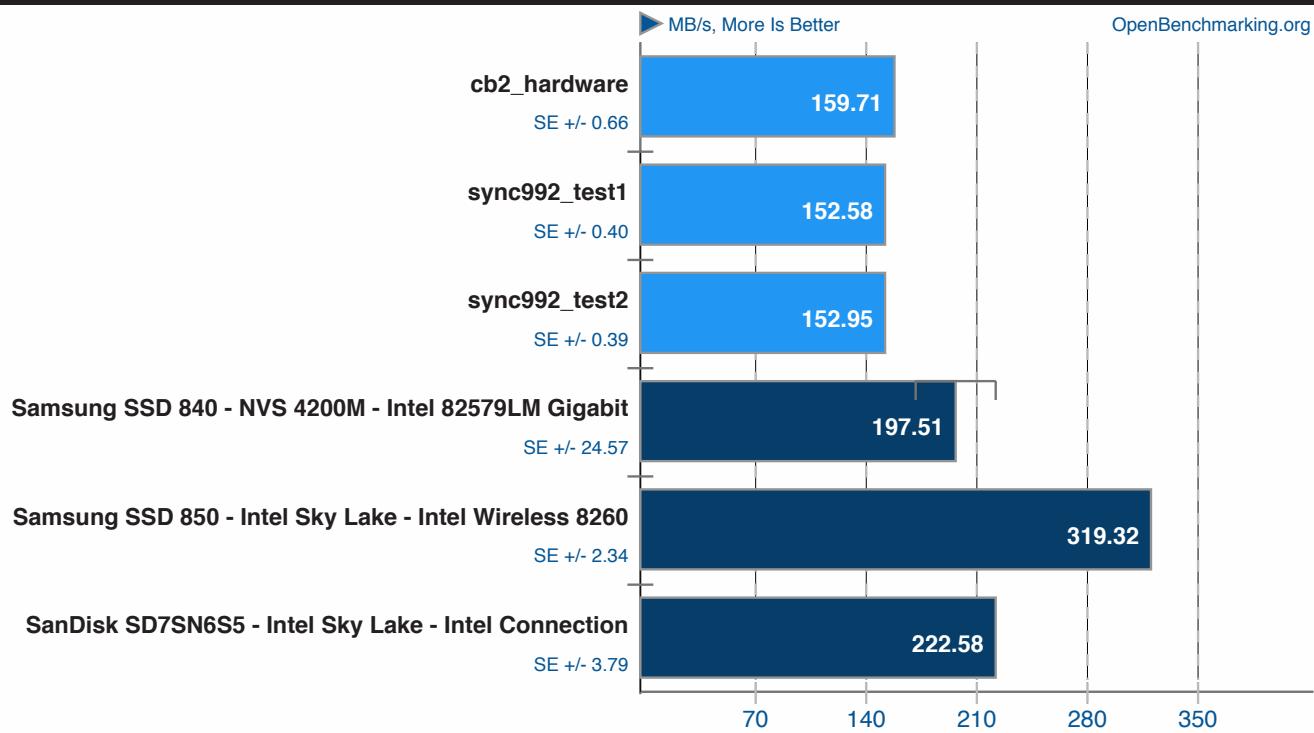
Phoronix Test Suite 7.0.0

IOzone v3.405

Record Size: 4Kb - File Size: 2GB - Disk Test: Write Performance

ptsli

OpenBenchmarking.org



1. (CC) gcc options: -O3

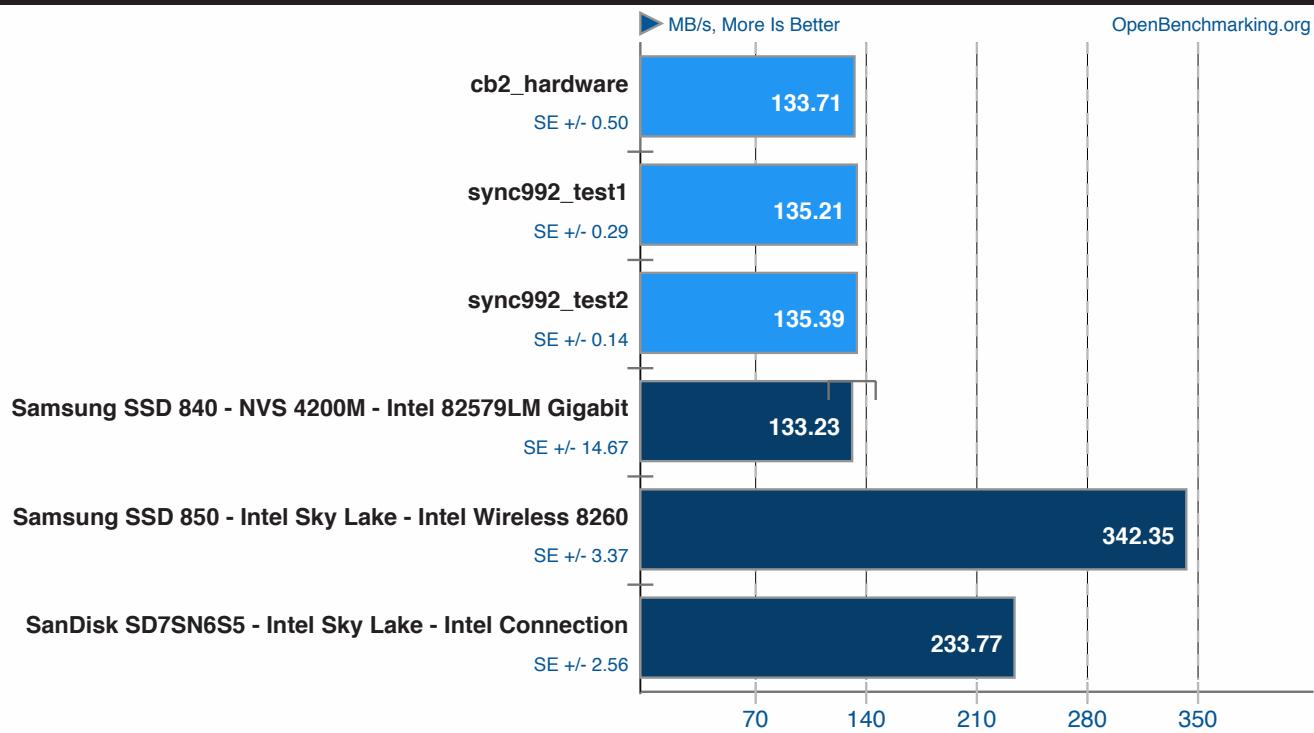
Phoronix Test Suite 7.0.0

IOzone v3.405

Record Size: 4Kb - File Size: 4GB - Disk Test: Write Performance



OpenBenchmarking.org



1. (CC) gcc options: -O3

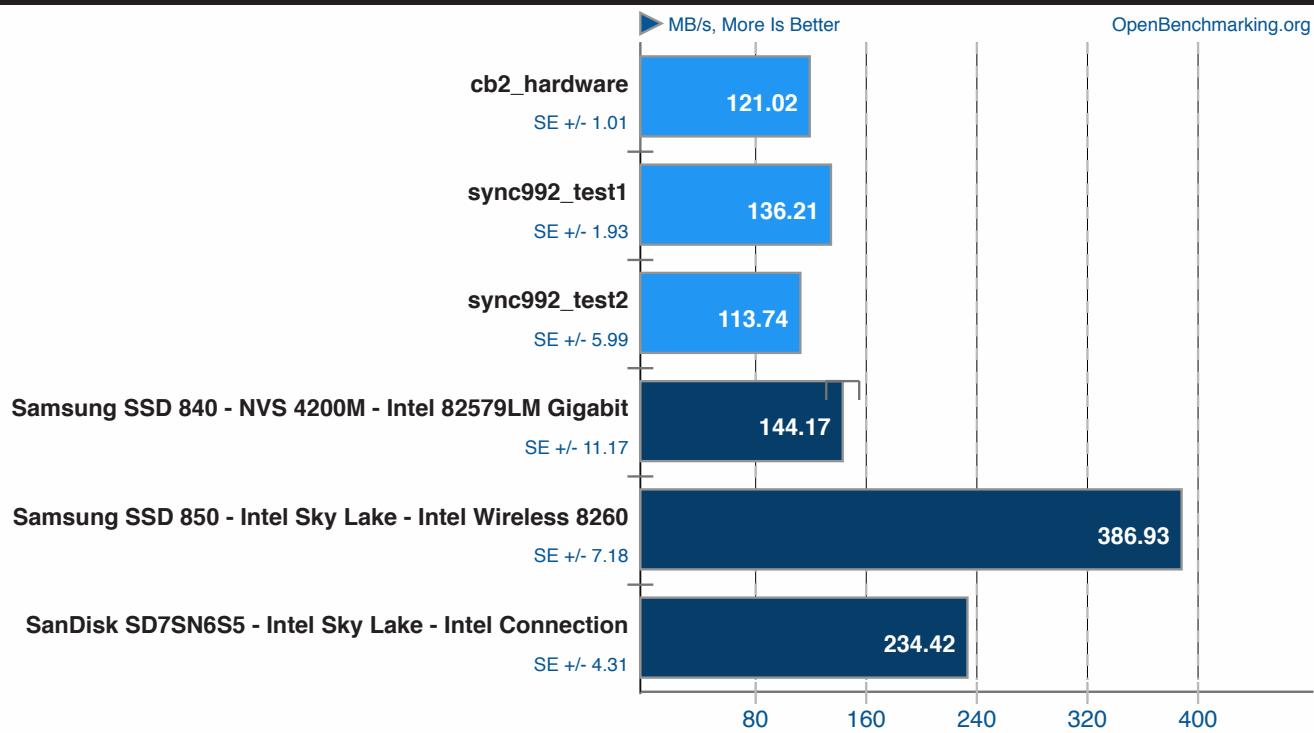
Phoronix Test Suite 7.0.0

IOzone v3.405

Record Size: 4Kb - File Size: 8GB - Disk Test: Write Performance



OpenBenchmarking.org



1. (CC) gcc options: -O3

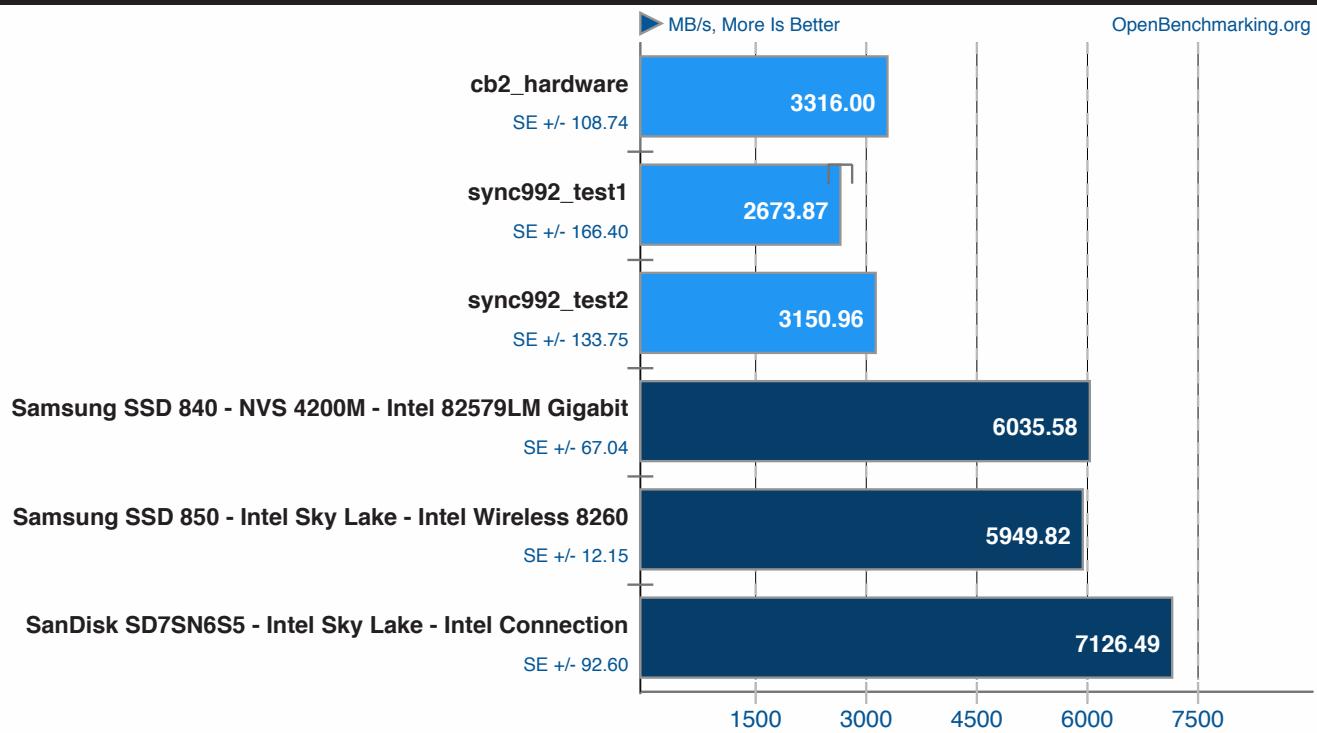
Phoronix Test Suite 7.0.0

IOzone v3.405

Record Size: 64Kb - File Size: 2GB - Disk Test: Read Performance

ptsli

OpenBenchmarking.org



Phoronix Test Suite 7.0.0



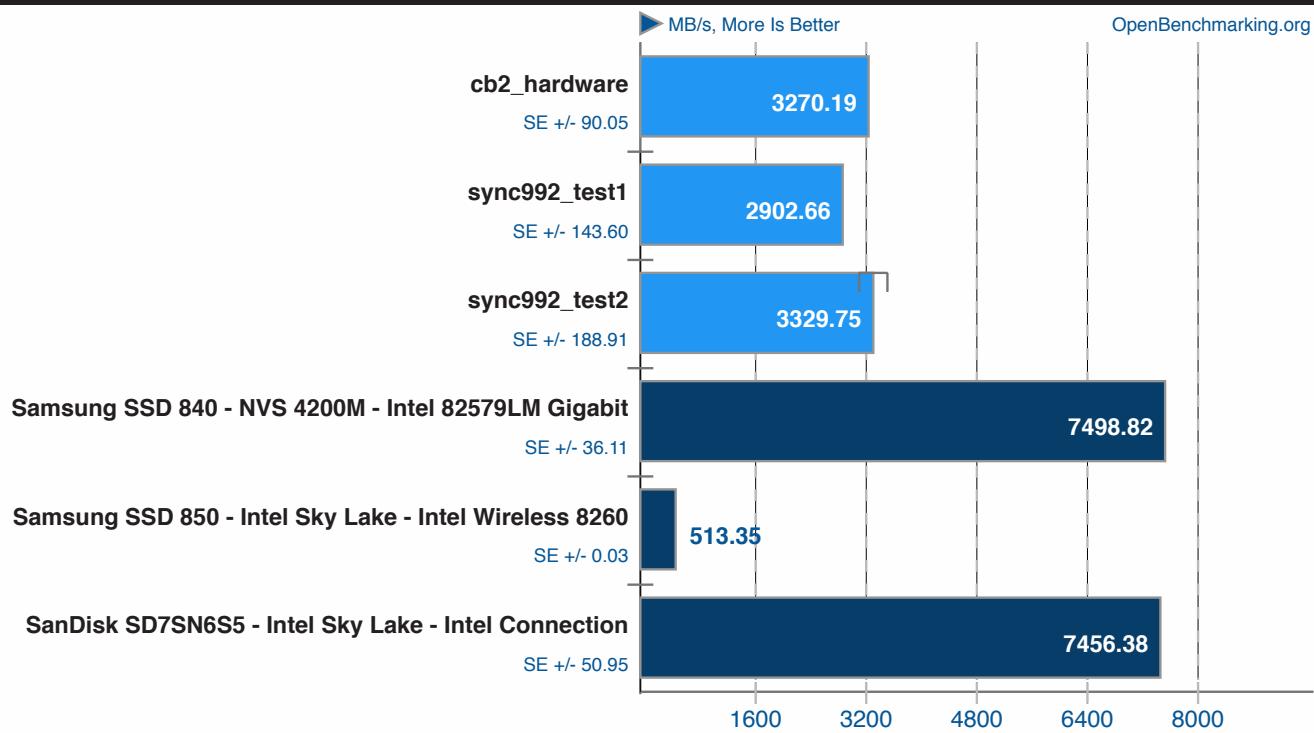
1. (CC) gcc options: -O3

IOzone v3.405

Record Size: 64Kb - File Size: 4GB - Disk Test: Read Performance



OpenBenchmarking.org



1. (CC) gcc options: -O3

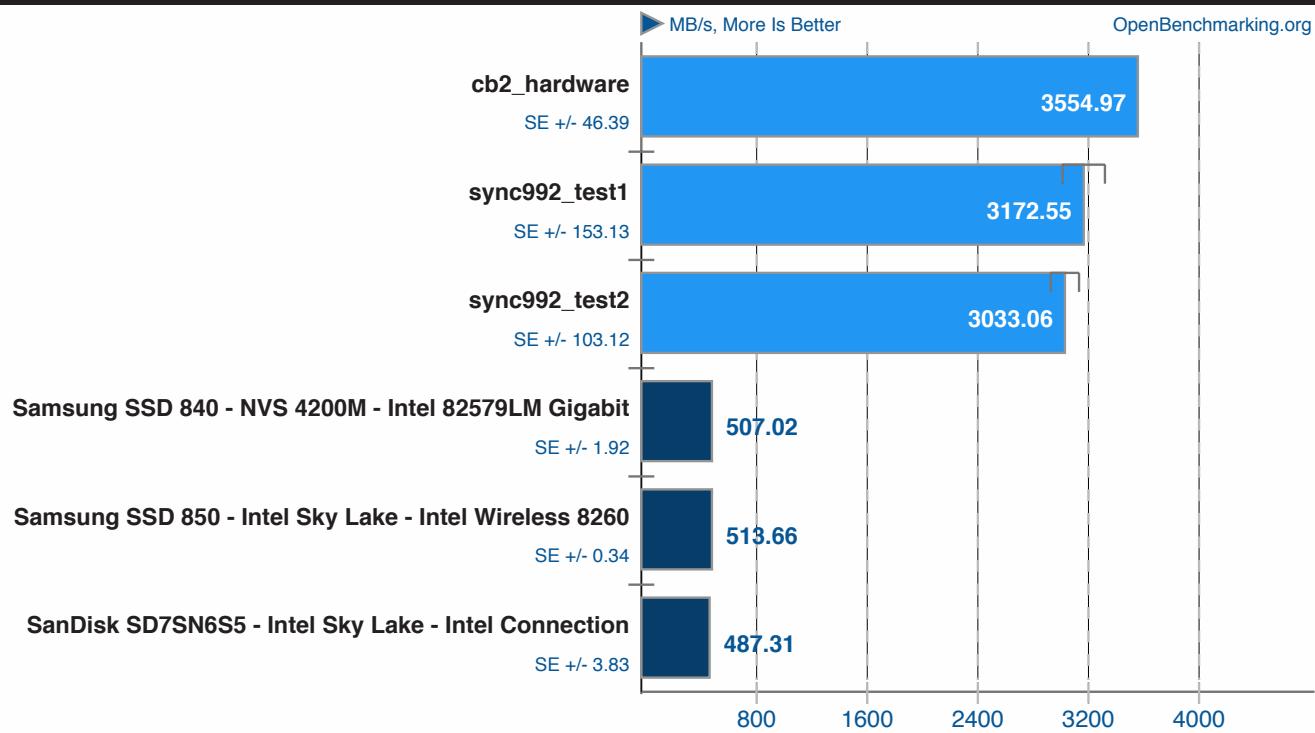
Phoronix Test Suite 7.0.0

IOzone v3.405

Record Size: 64Kb - File Size: 8GB - Disk Test: Read Performance



OpenBenchmarking.org



1. (CC) gcc options: -O3

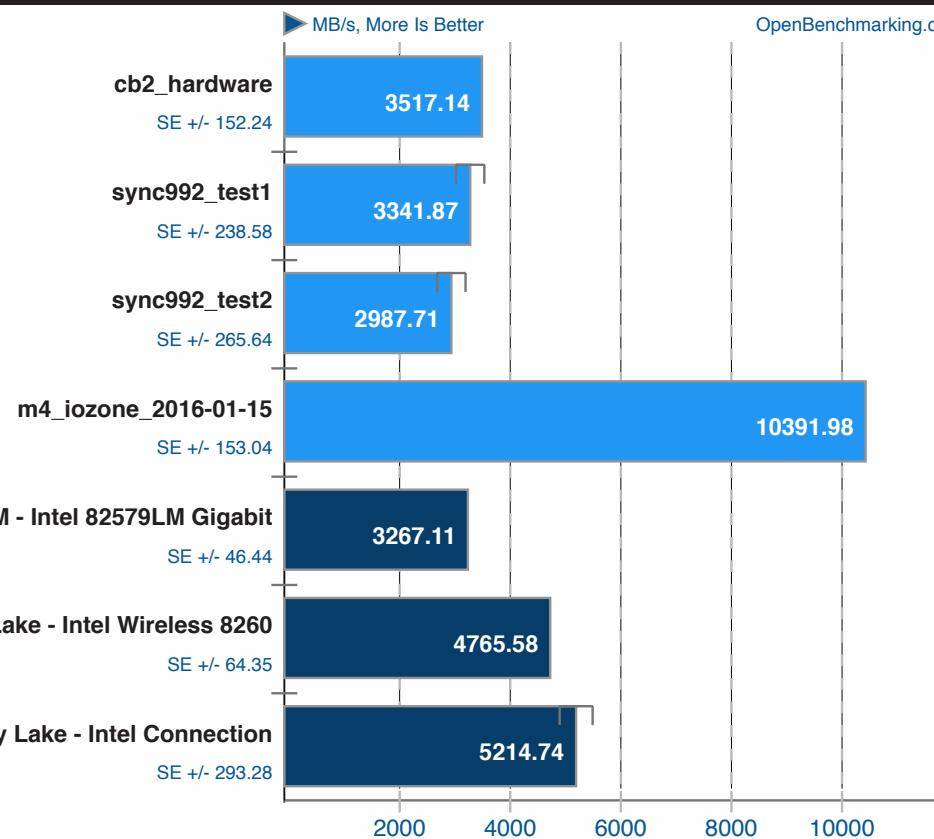
Phoronix Test Suite 7.0.0

IOzone v3.405

Record Size: 1MB - File Size: 512MB - Disk Test: Read Performance



OpenBenchmarking.org



1. (CC) gcc options: -O3

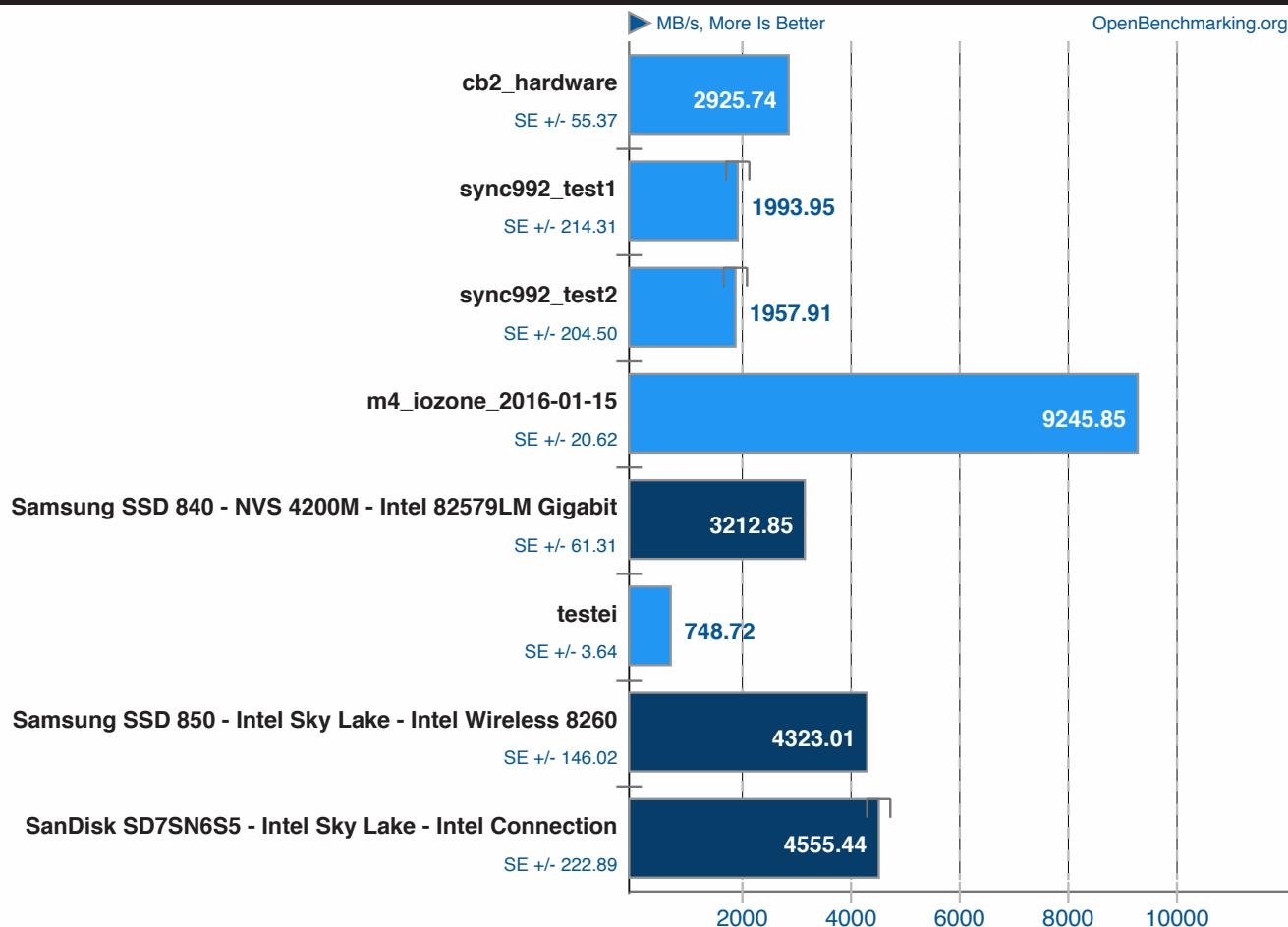
Phoronix Test Suite 7.0.0

IOzone v3.405

Record Size: 4Kb - File Size: 512MB - Disk Test: Read Performance



OpenBenchmarking.org



1. (CC) gcc options: -O3

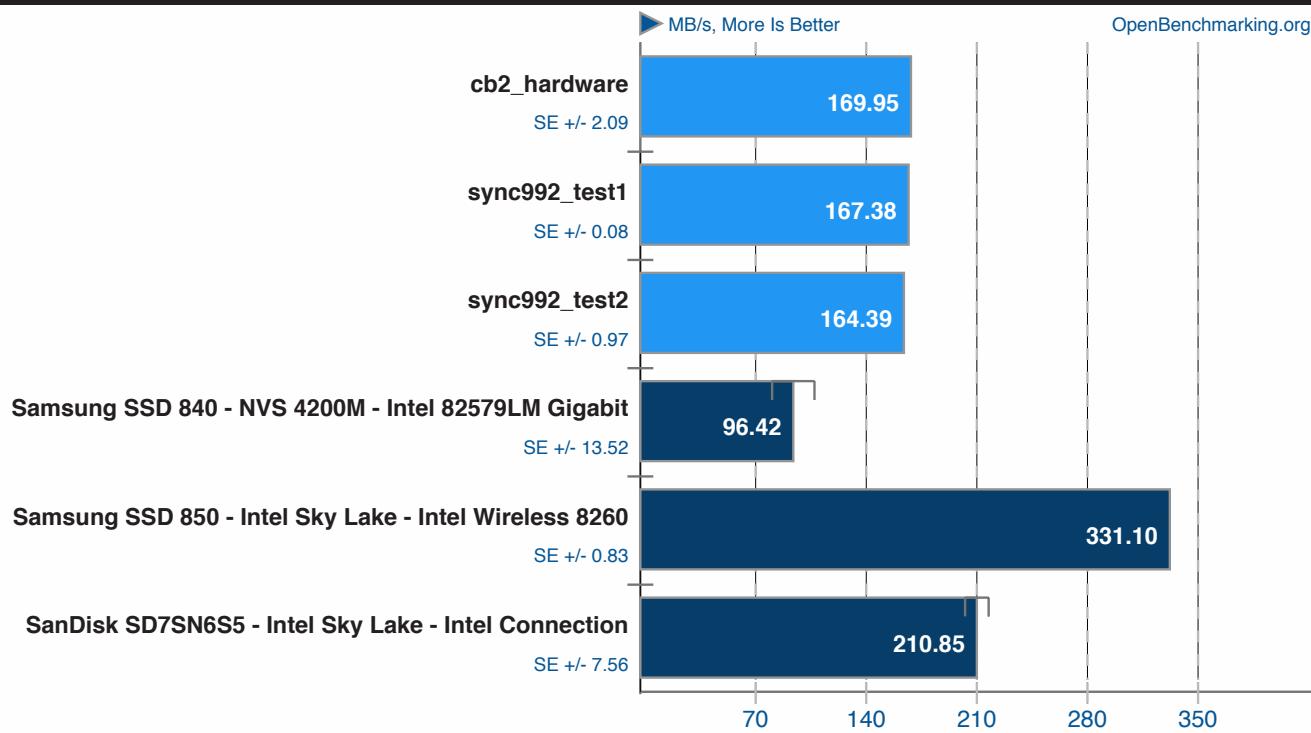
Phoronix Test Suite 7.0.0

IOzone v3.405

Record Size: 64Kb - File Size: 2GB - Disk Test: Write Performance

ptsli

OpenBenchmarking.org



1. (CC) gcc options: -O3

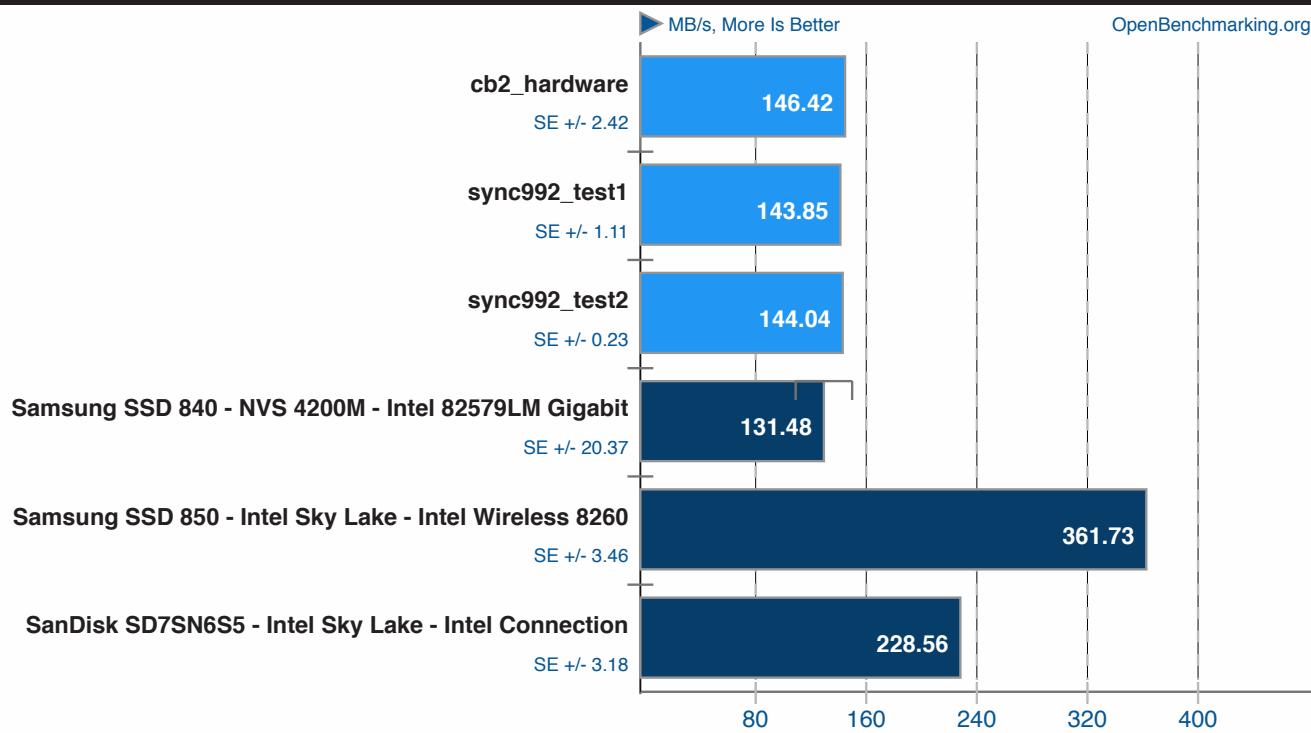
Phoronix Test Suite 7.0.0

IOzone v3.405

Record Size: 64Kb - File Size: 4GB - Disk Test: Write Performance



OpenBenchmarking.org



Phoronix Test Suite 7.0.0



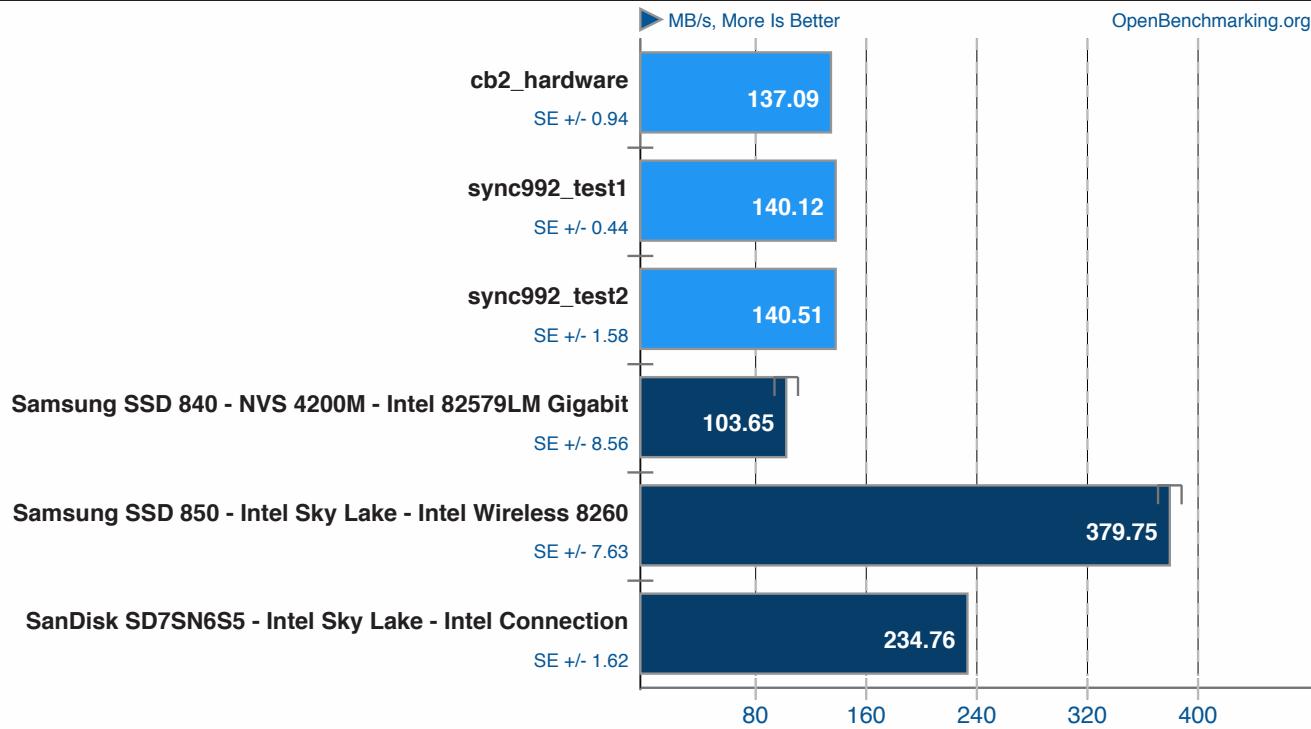
1. (CC) gcc options: -O3

IOzone v3.405

Record Size: 64Kb - File Size: 8GB - Disk Test: Write Performance



OpenBenchmarking.org



1. (CC) gcc options: -O3

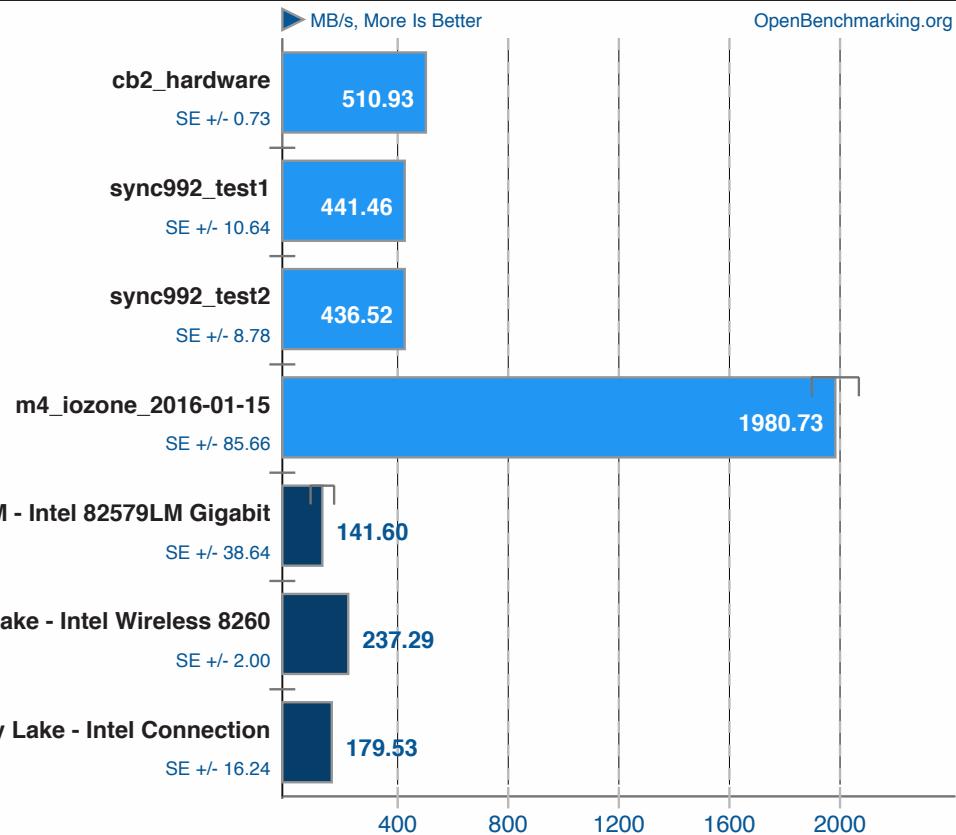
Phoronix Test Suite 7.0.0

IOzone v3.405

Record Size: 1MB - File Size: 512MB - Disk Test: Write Performance



OpenBenchmarking.org



1. (CC) gcc options: -O3

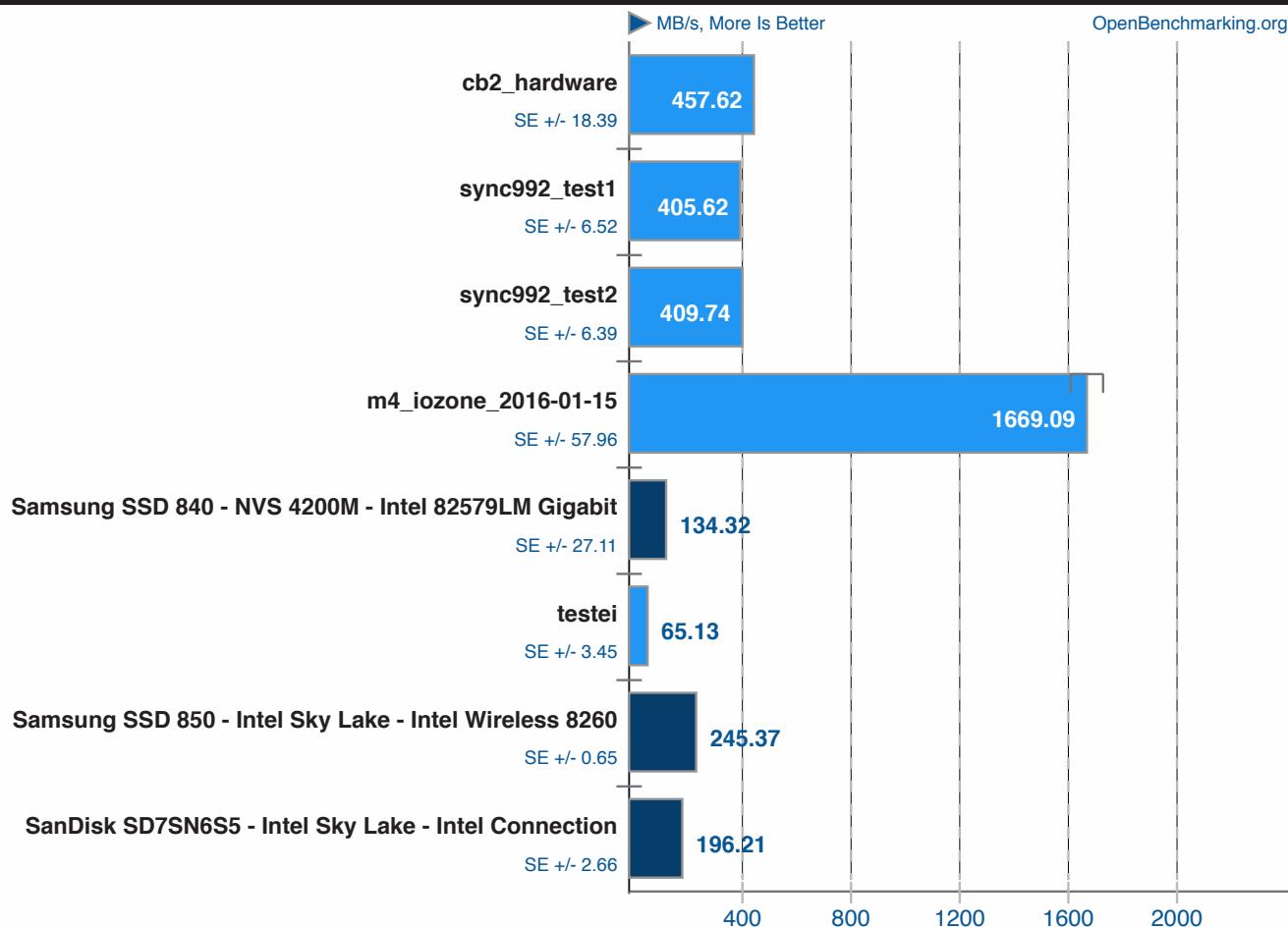
Phoronix Test Suite 7.0.0

IOzone v3.405

Record Size: 4Kb - File Size: 512MB - Disk Test: Write Performance



OpenBenchmarking.org



1. (CC) gcc options: -O3

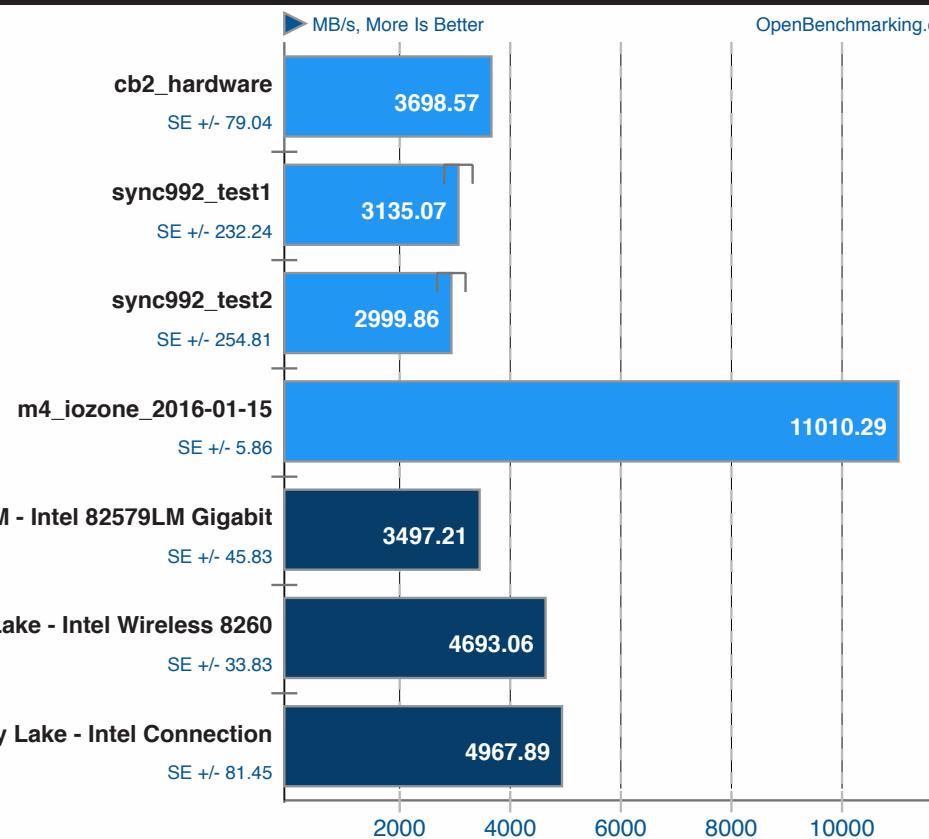
Phoronix Test Suite 7.0.0

IOzone v3.405

Record Size: 64Kb - File Size: 512MB - Disk Test: Read Performance



OpenBenchmarking.org



1. (CC) gcc options: -O3

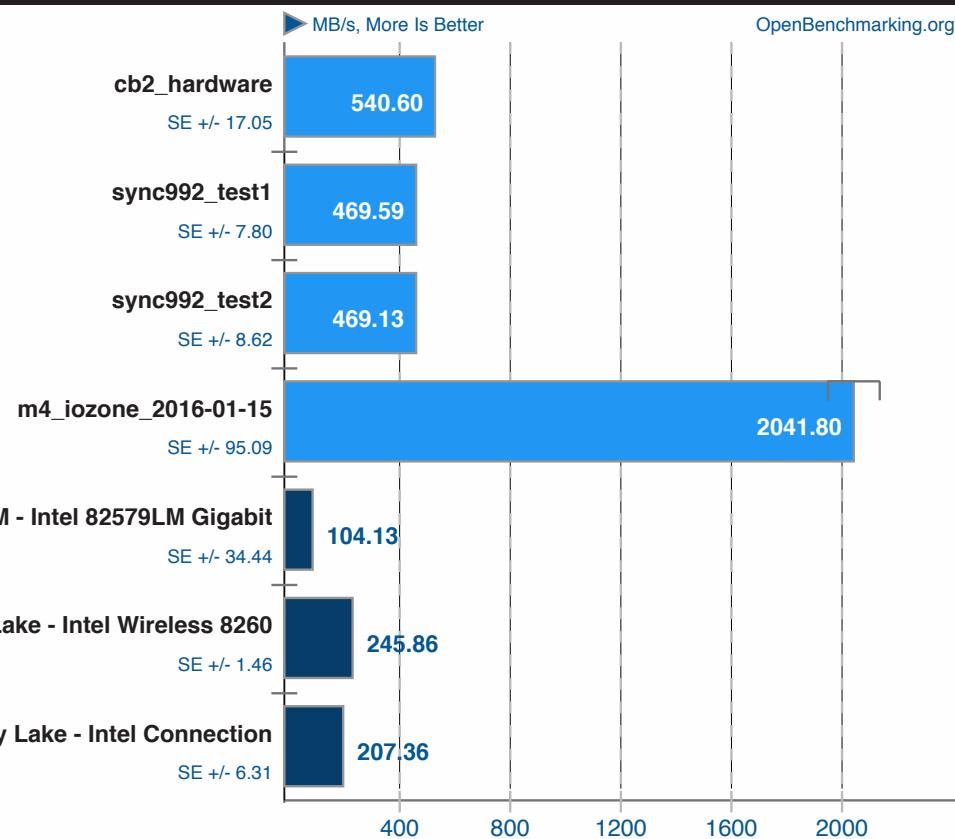
Phoronix Test Suite 7.0.0

IOzone v3.405

Record Size: 64Kb - File Size: 512MB - Disk Test: Write Performance



OpenBenchmarking.org



1. (CC) gcc options: -O3

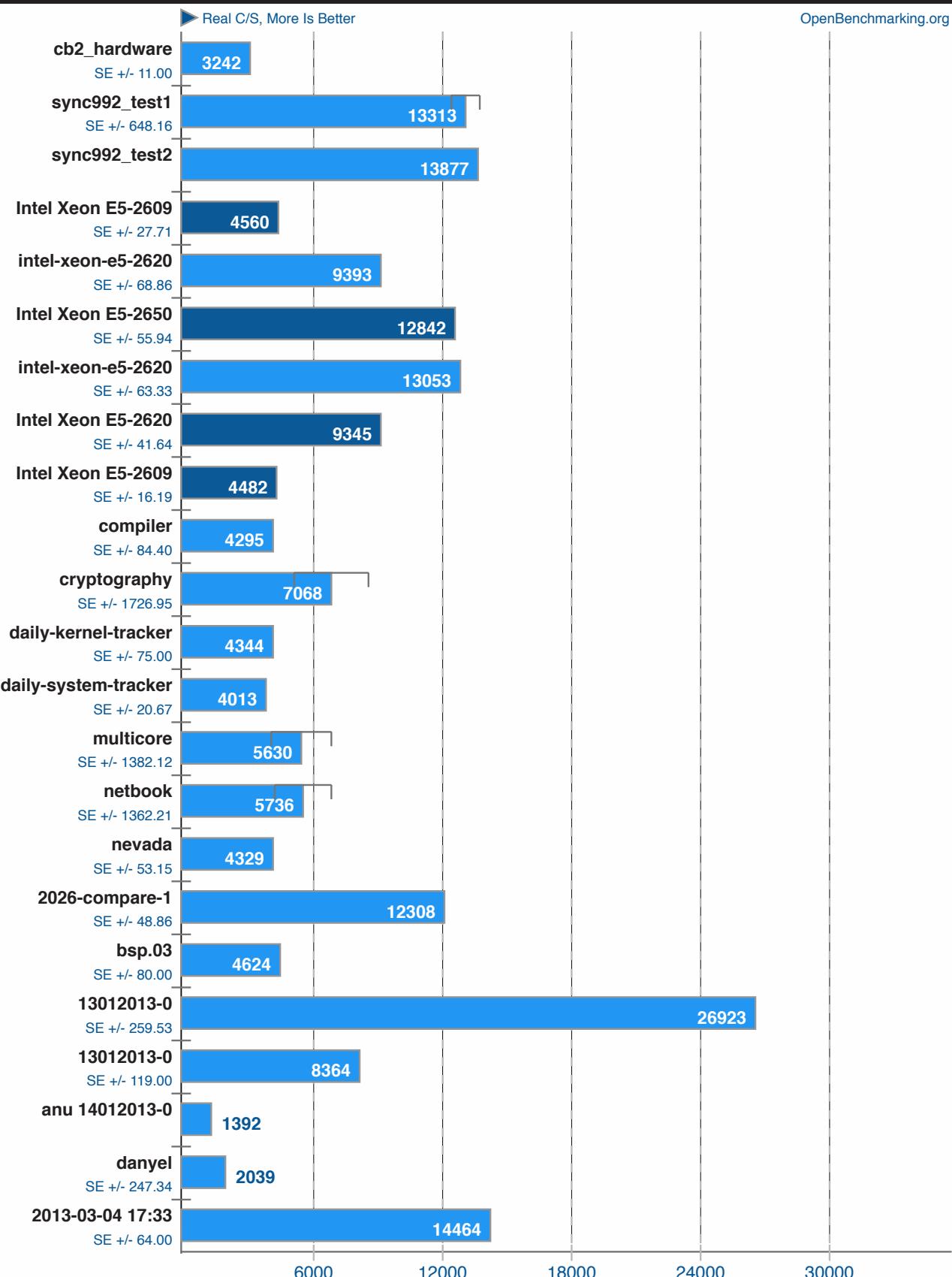
Phoronix Test Suite 7.0.0

John The Ripper v1.7.9-jumbo-7

Test: Blowfish



OpenBenchmarking.org



1. (CC) gcc options: -lssl -lcrypto -lm -lz -fopenmp -lcrypt -ldl

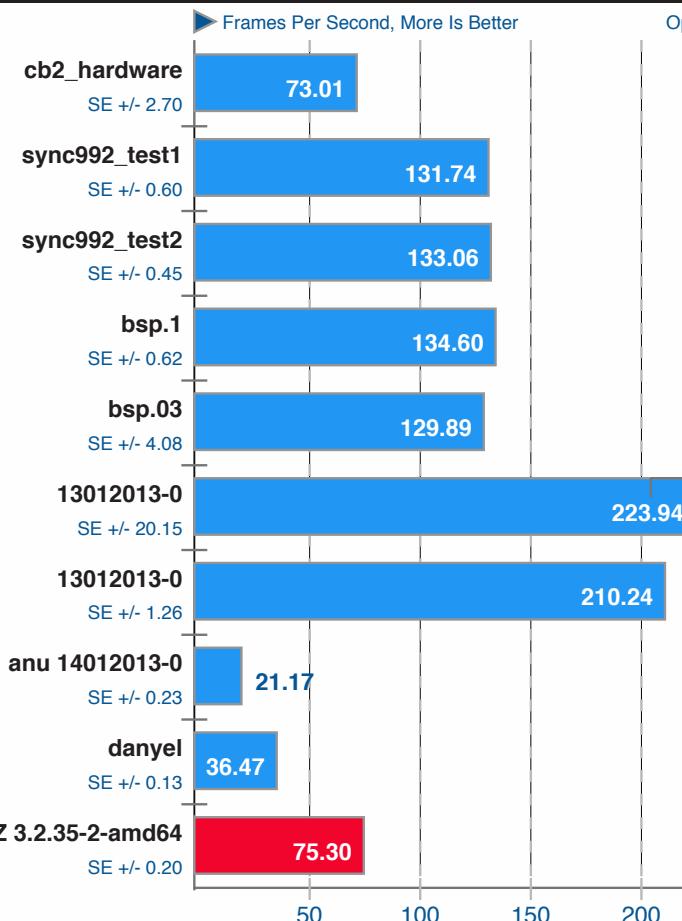
Phoronix Test Suite 7.0.0

x264 v2012-10-03

H.264 Video Encoding

ptsli

OpenBenchmarking.org



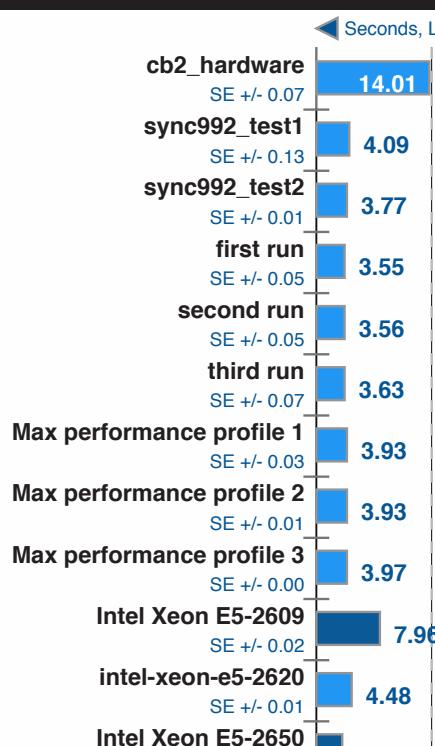
Phoronix Test Suite 7.0.0

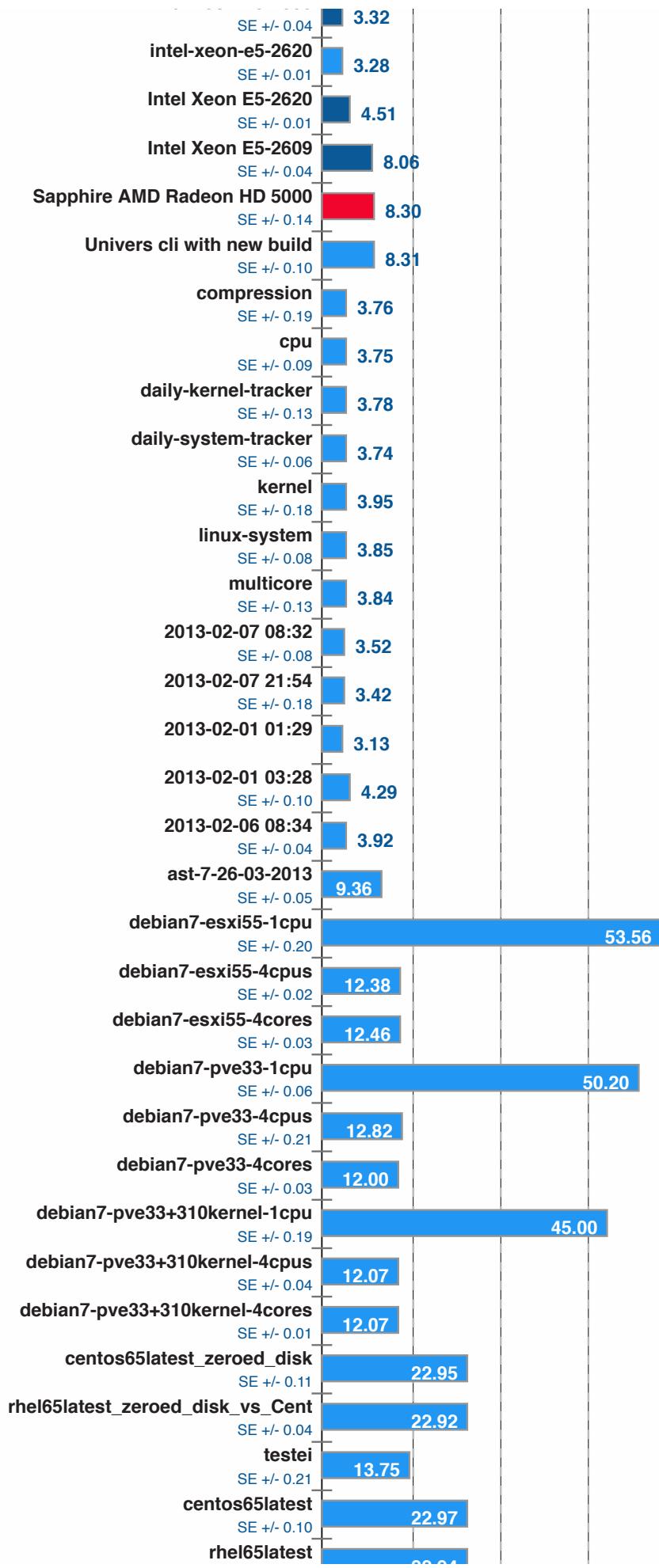
Parallel BZIP2 Compression v1.1.6

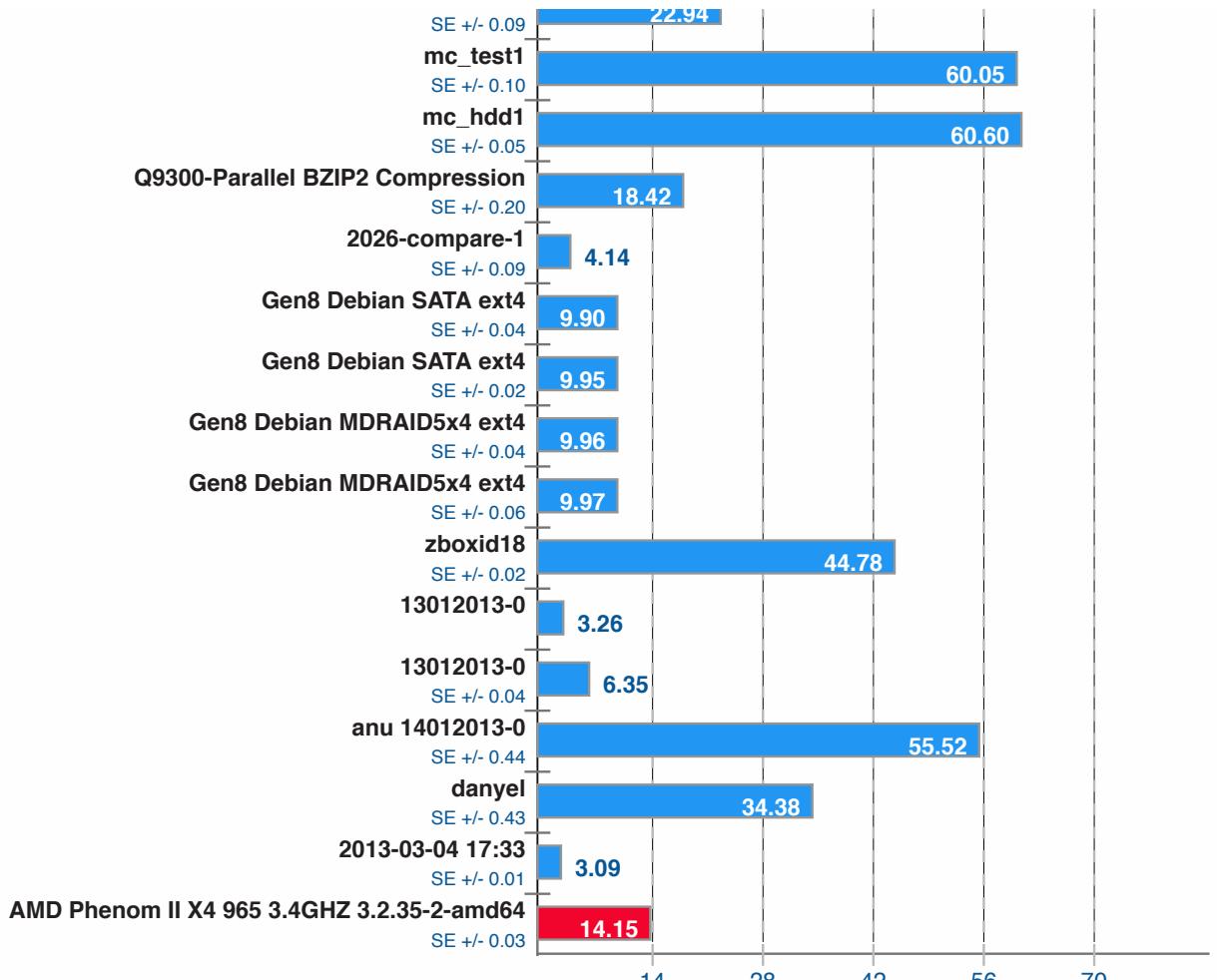
256MB File Compression

ptsli

OpenBenchmarking.org







1. (CXX) g++ options: -O2 -pthread -lbz2 -lpthread

Phoronix Test Suite 7.0

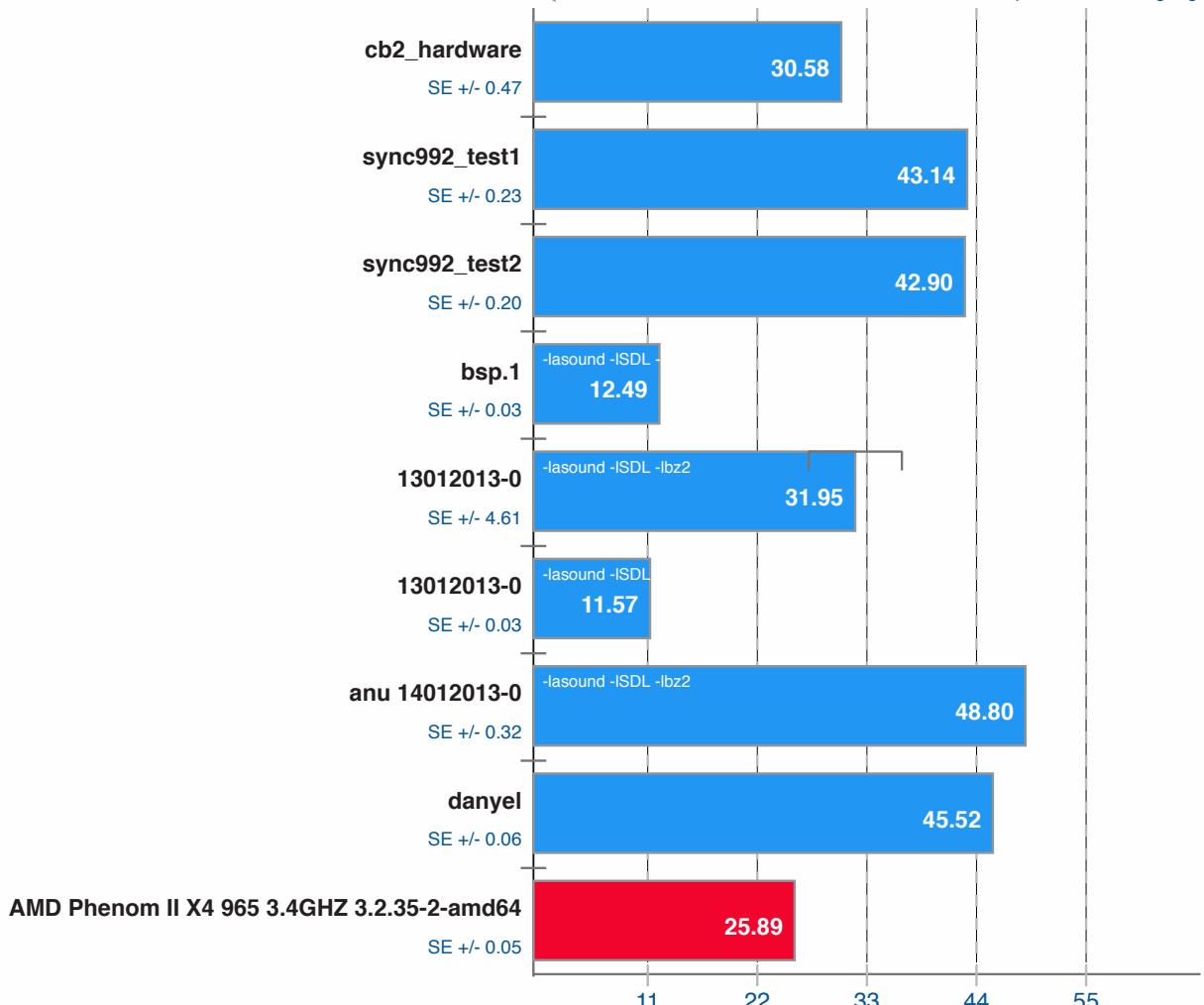
FFmpeg v1.0

H.264 HD To NTSC DV



OpenBenchmarking.org

Seconds, Less Is Better



Phoronix Test Suite 7.0.0

1. (CC) gcc options: -lavdevice -lavfilter -lavformat -lavcodec -lswresample -lswscale -lavutil -ldl -lm -pthread -lrt

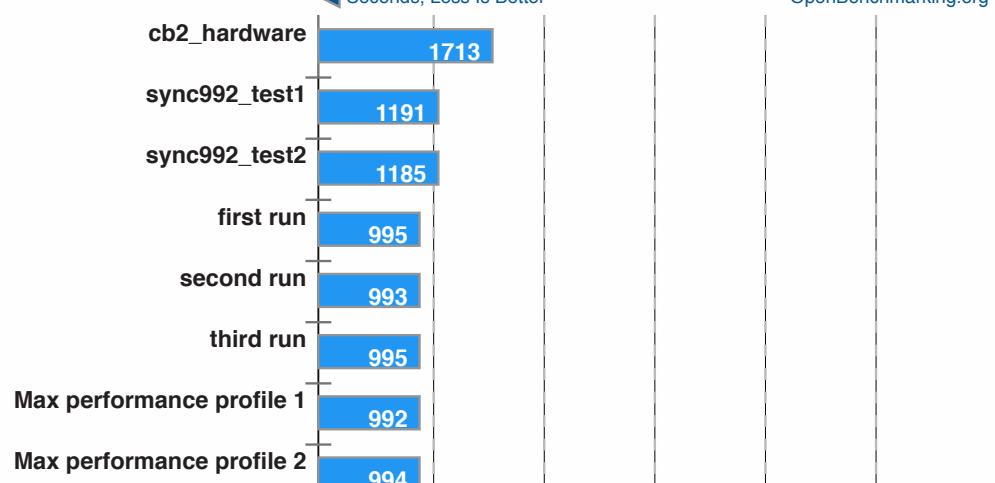
POV-Ray v3.6.1

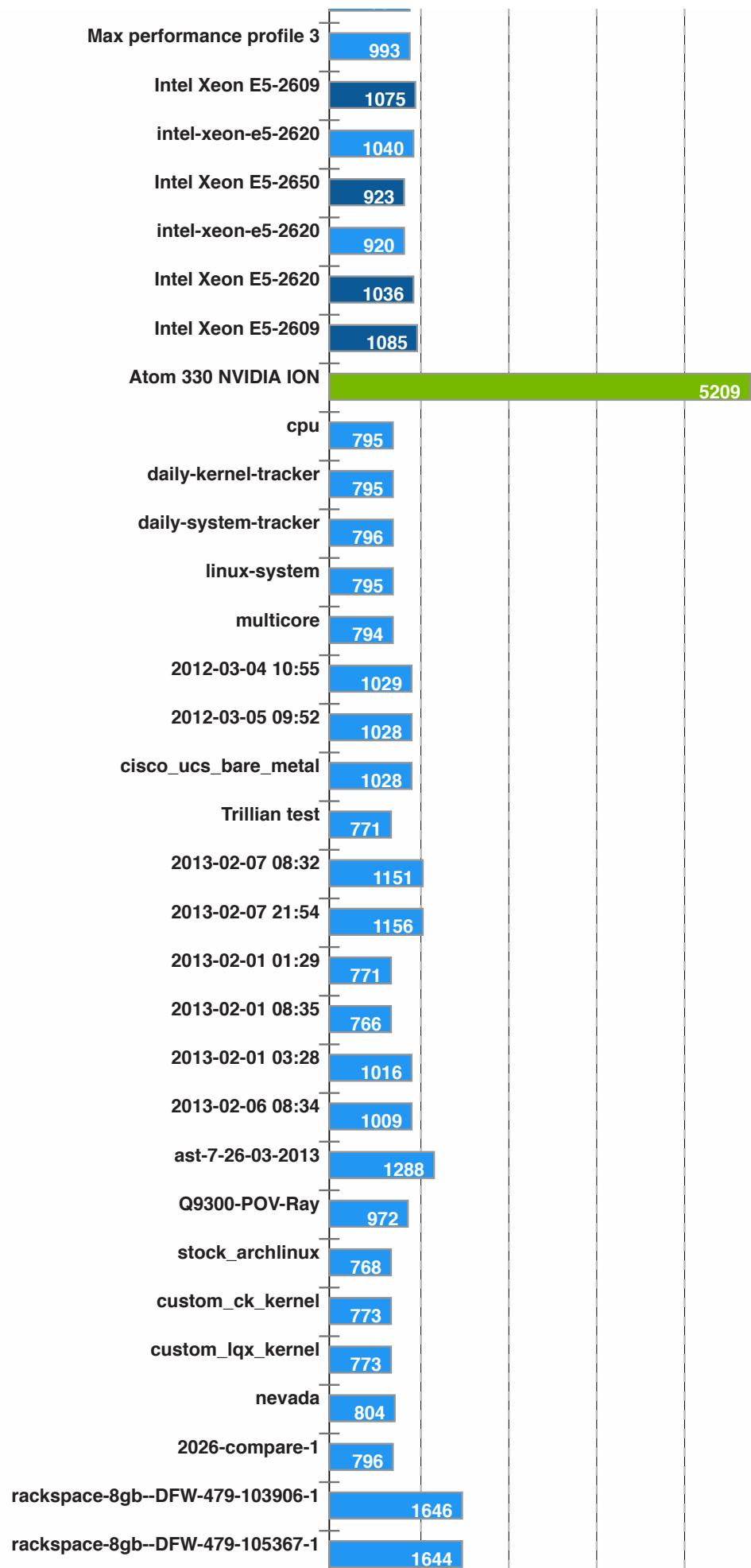
Total Time

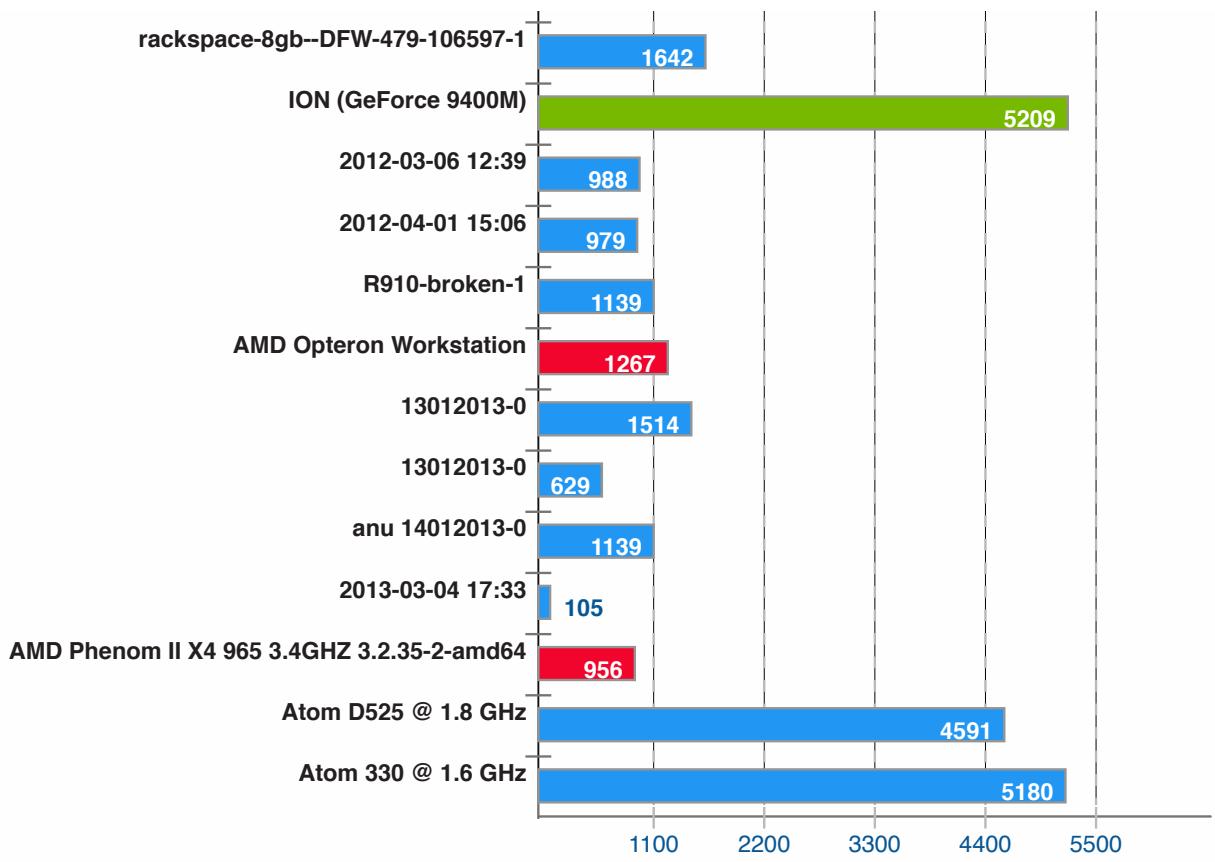


OpenBenchmarking.org

Seconds, Less Is Better



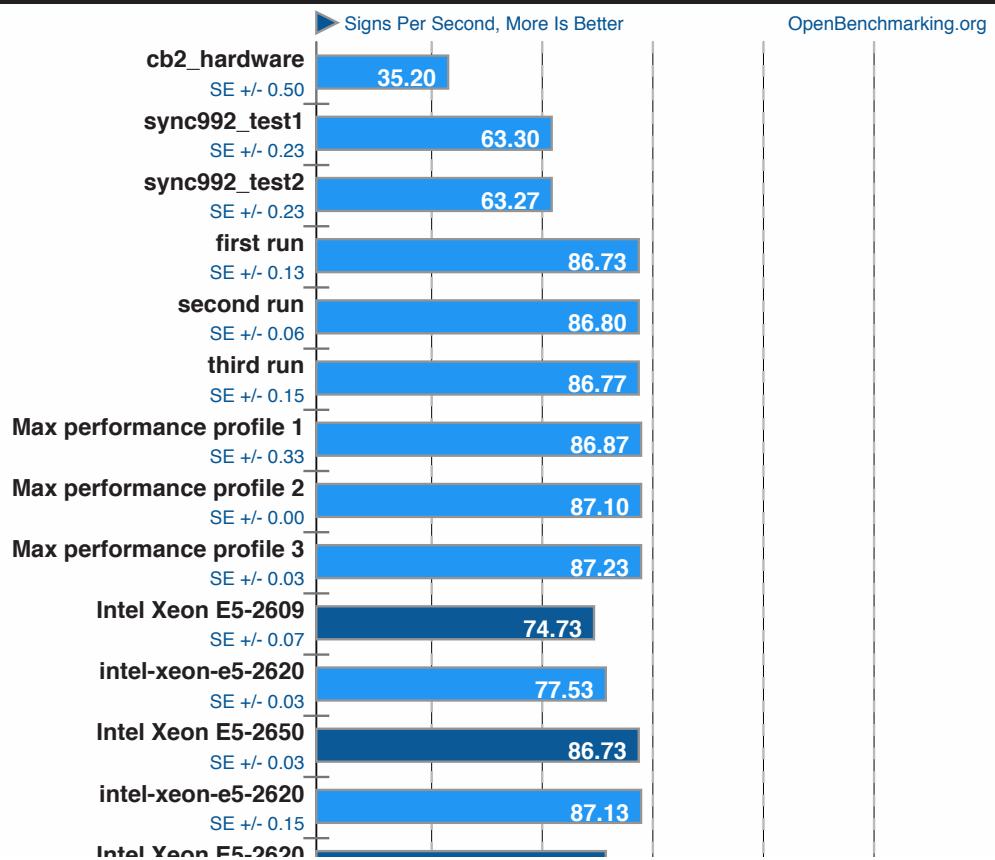




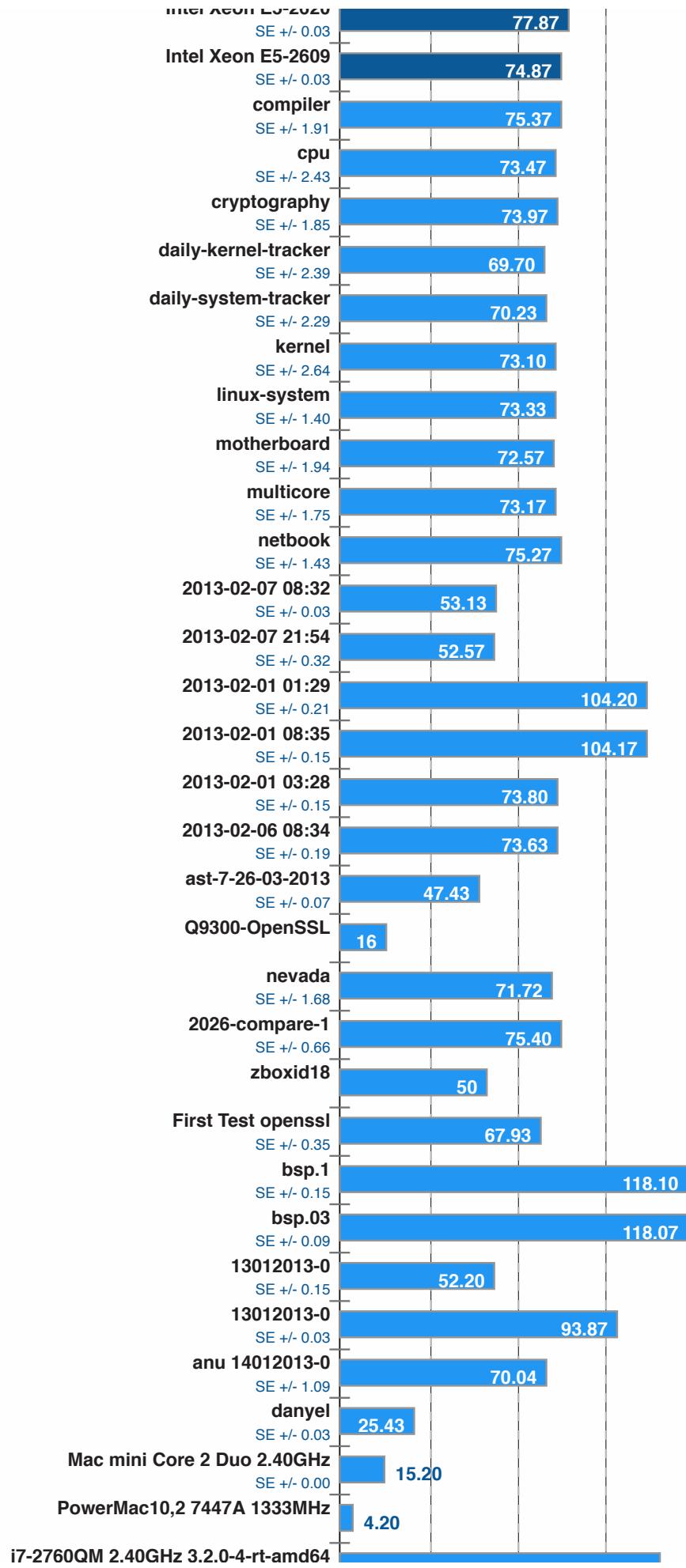
1. (CXX) g++ options: -pipe -O3 -msse -mfpmath=sse -msse2 -malign-double -lm

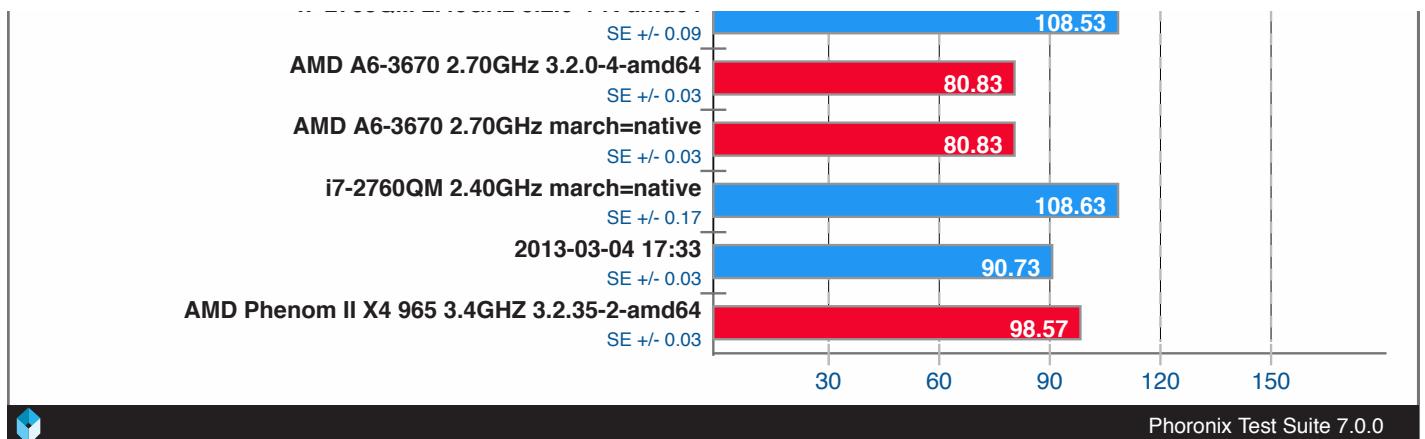
Phoronix Test Suite 7.0.0

OpenSSL v1.0.1c RSA 4096-bit Performance



OpenBenchmarking.org





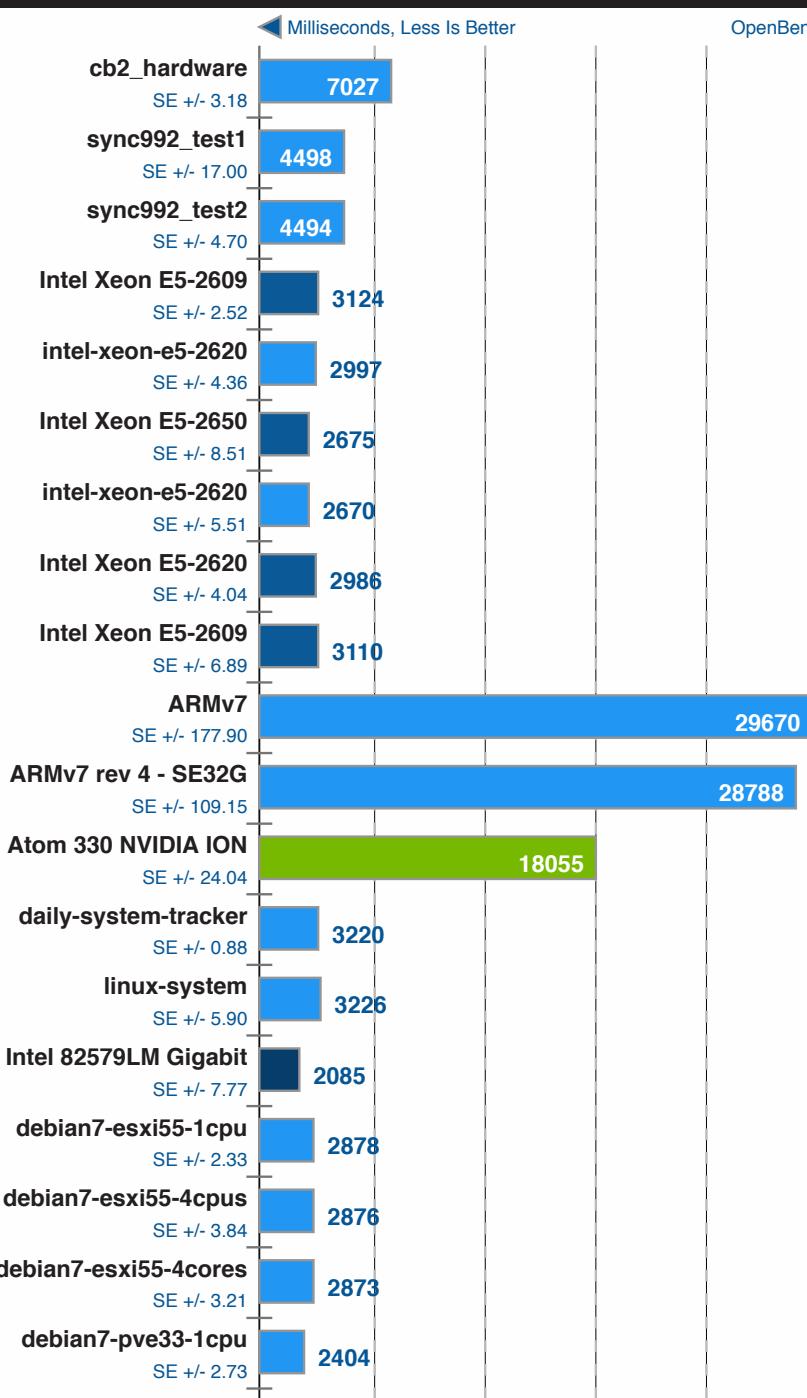
Phoronix Test Suite 7.0.0

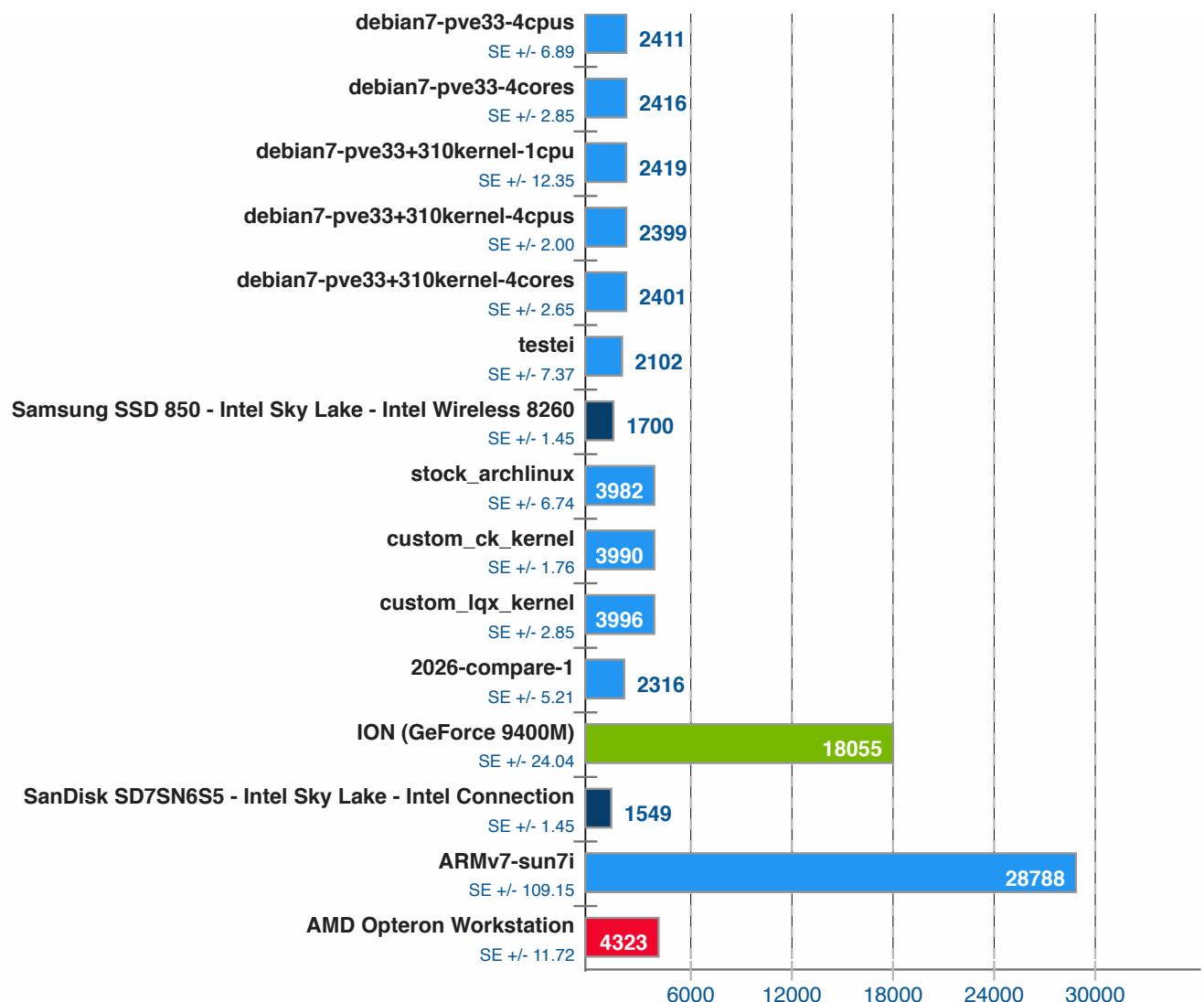
PyBench v2008-08-14

Total For Average Test Times



OpenBenchmarking.org



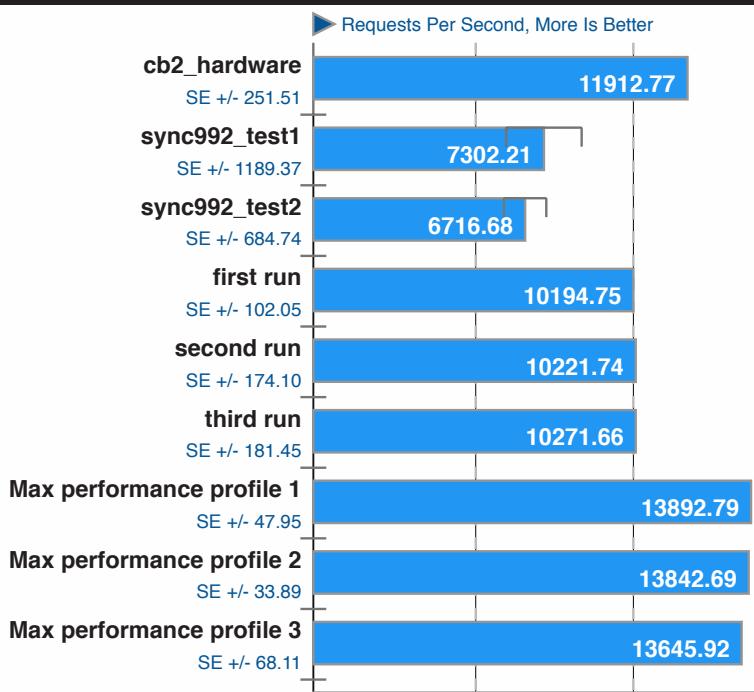


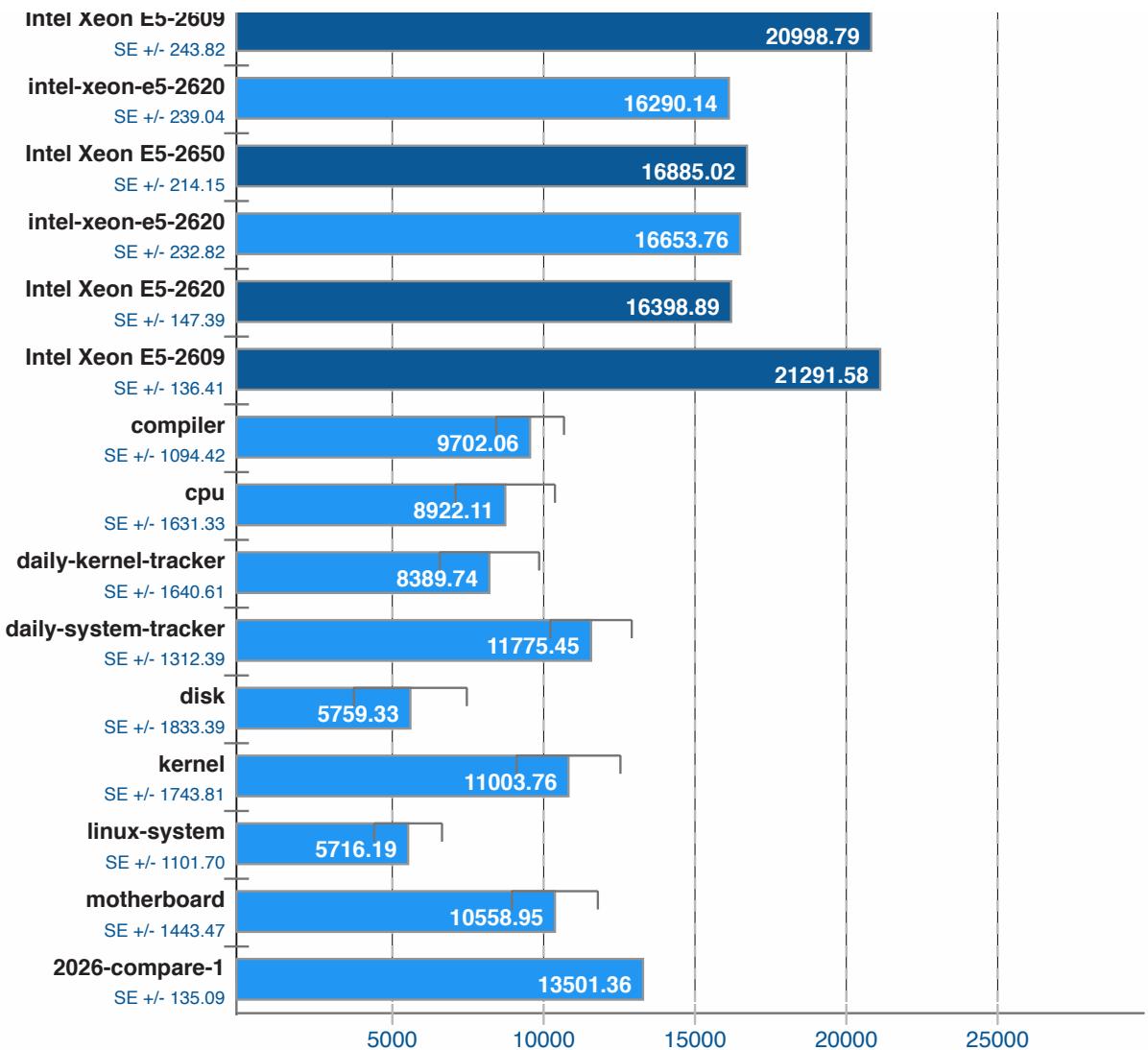
Apache Benchmark v2.4.3

Static Web Page Serving



OpenBenchmarking.org





Phoronix Test Suite 7.0.0

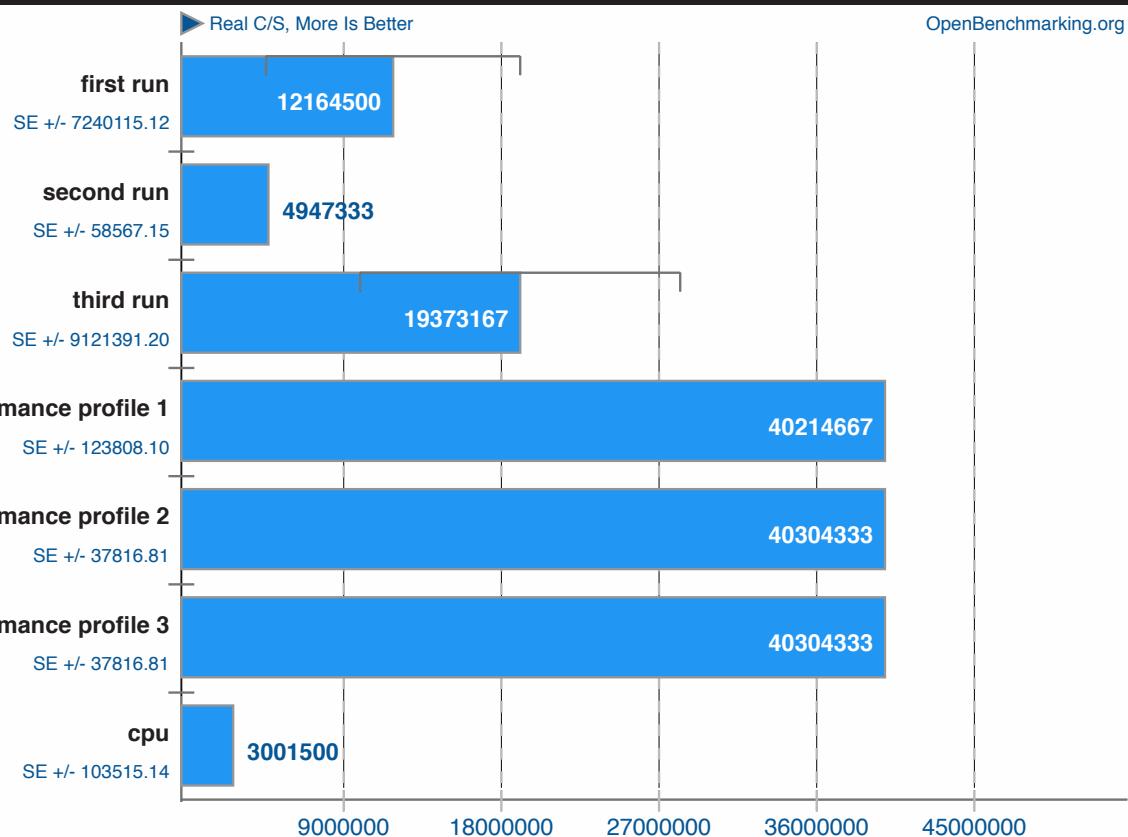
1. (CC) gcc options: -shared -fPIC -O2 -pthread

John The Ripper v1.7.9-jumbo-7

Traditional DES

ptsli.

OpenBenchmarking.org



1. (CC) gcc options: -lssl -lcrypto -lm -lz -fopenmp -lcrypt -ldl

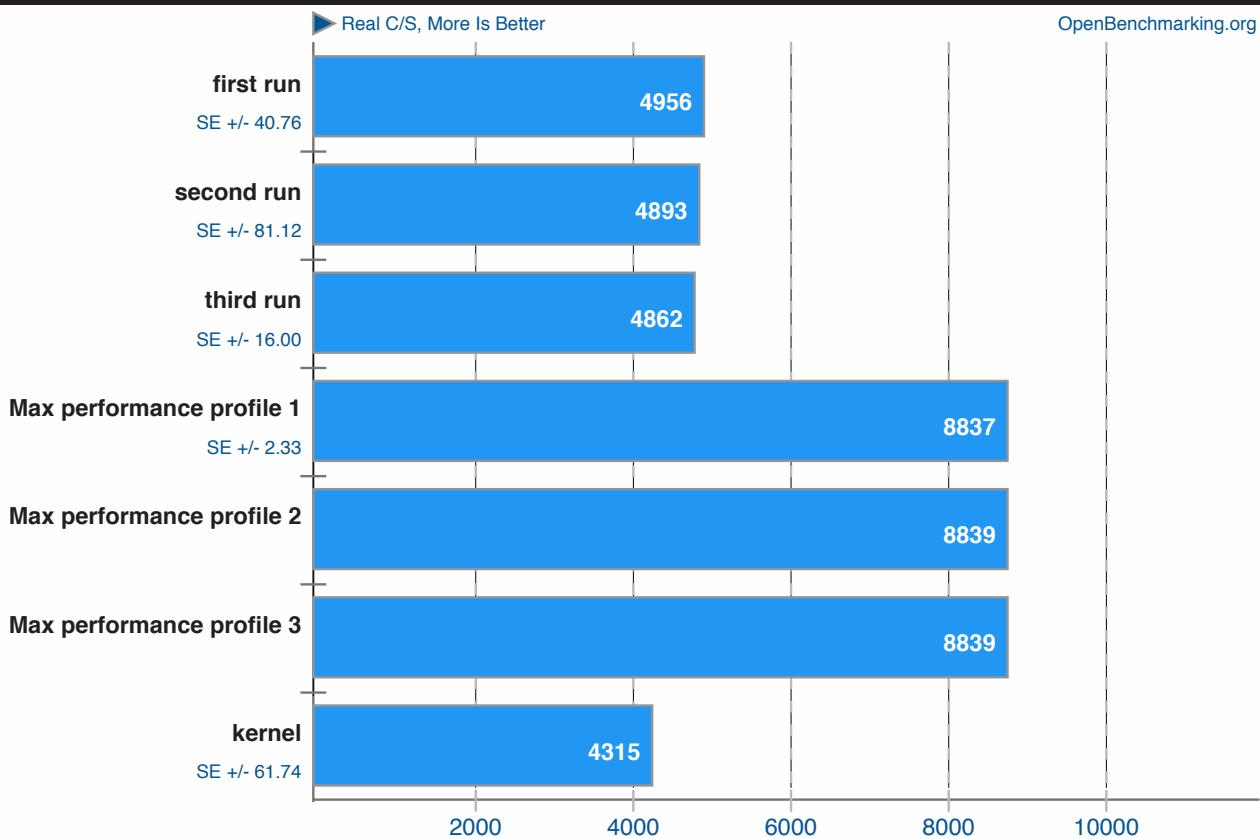
Phoronix Test Suite 7.0.0

John The Ripper v1.7.9-jumbo-7

Blowfish

ptsli.

OpenBenchmarking.org



1. (CC) gcc options: -lssl -lcrypto -lm -lz -fopenmp -lcrypt -ldl

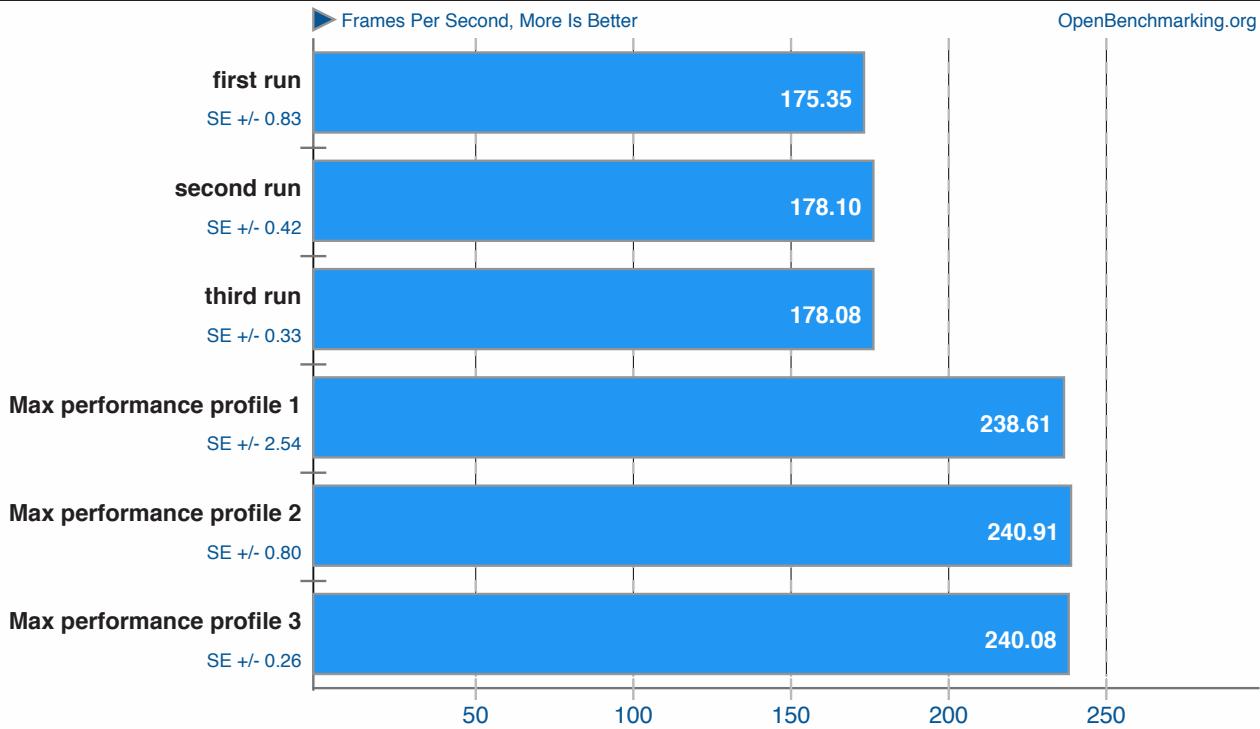
Phoronix Test Suite 7.0.0

x264 v2013-06-08

H.264 Video Encoding

ptsli

OpenBenchmarking.org



Phoronix Test Suite 7.0.0

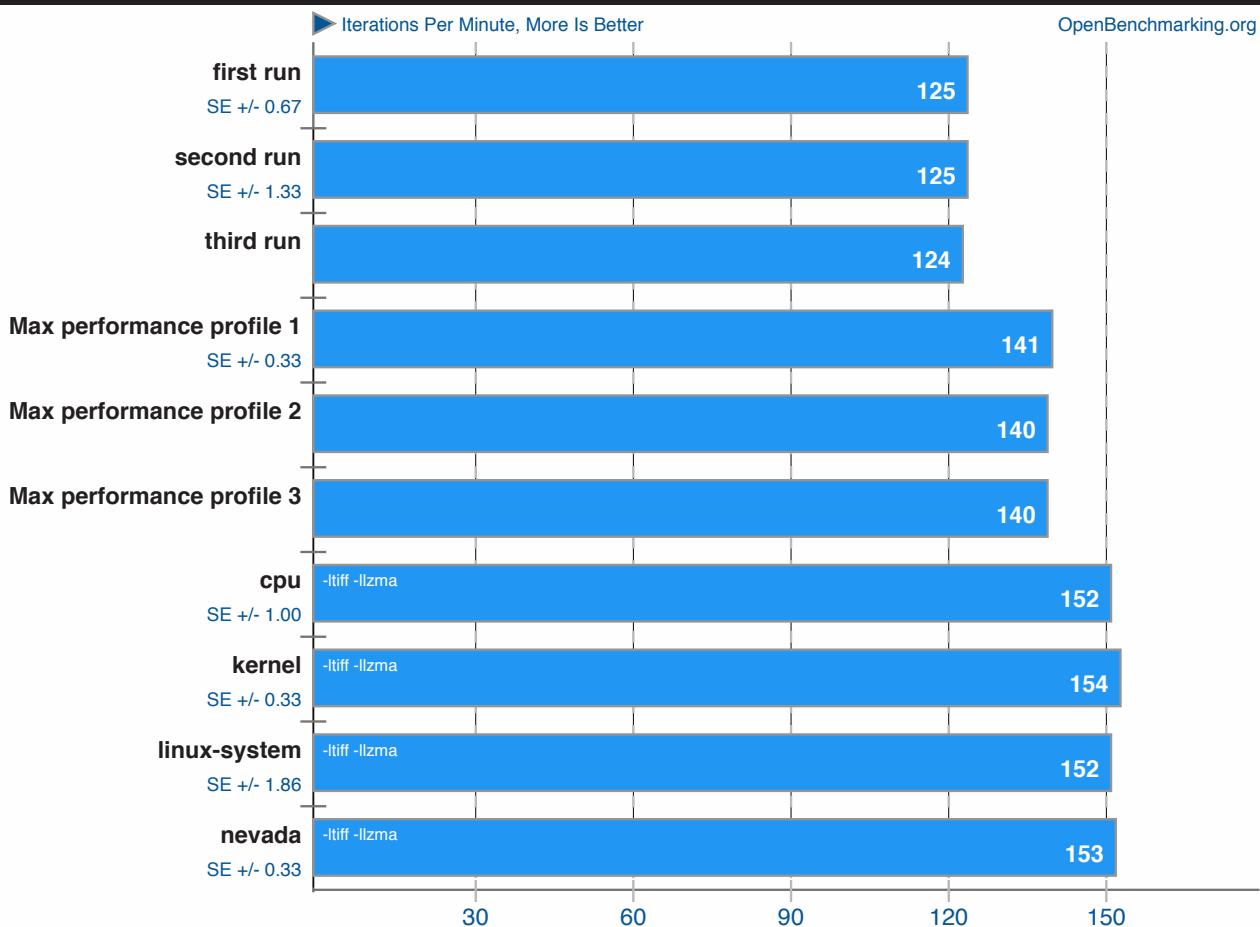
1. (CC) gcc options: -ldl -m64 -lm -lpthread -O3 -ffast-math -std=gnu99 -fomit-frame-pointer -fno-tree-vectorize

GraphicsMagick v1.3.16

HWB Color Space

ptsli.

OpenBenchmarking.org



Phoronix Test Suite 7.0.0

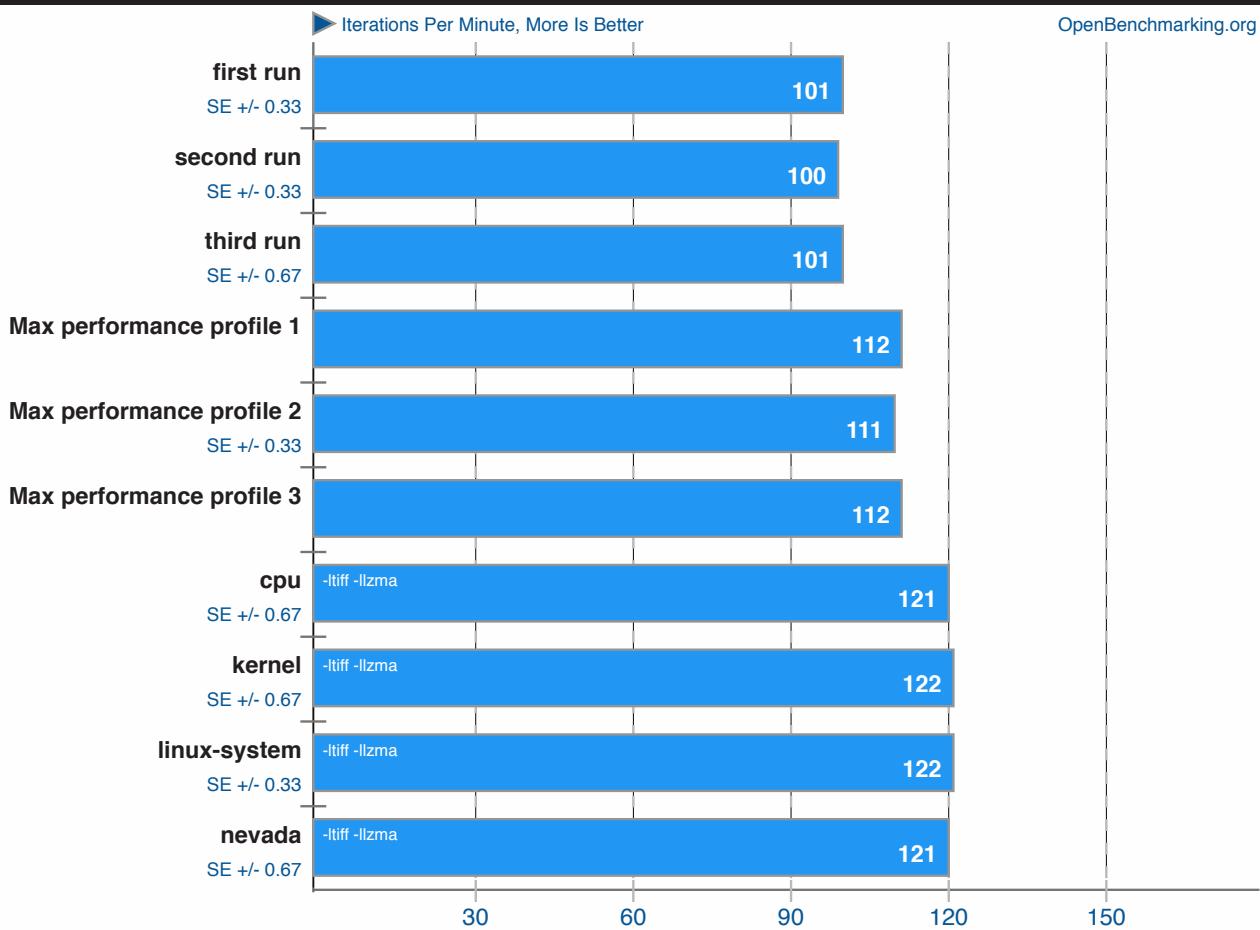
1. (CC) gcc options: -std=gnu99 -fopenmp -O2 -pthread -lfreetype -ljpeg -lXext -ISM -IICE -IX11 -lbz2 -lxml2 -lz -lm -lgomp -lpthread

GraphicsMagick v1.3.16

Local Adaptive Thresholding

ptsli

OpenBenchmarking.org



Phoronix Test Suite 7.0.0

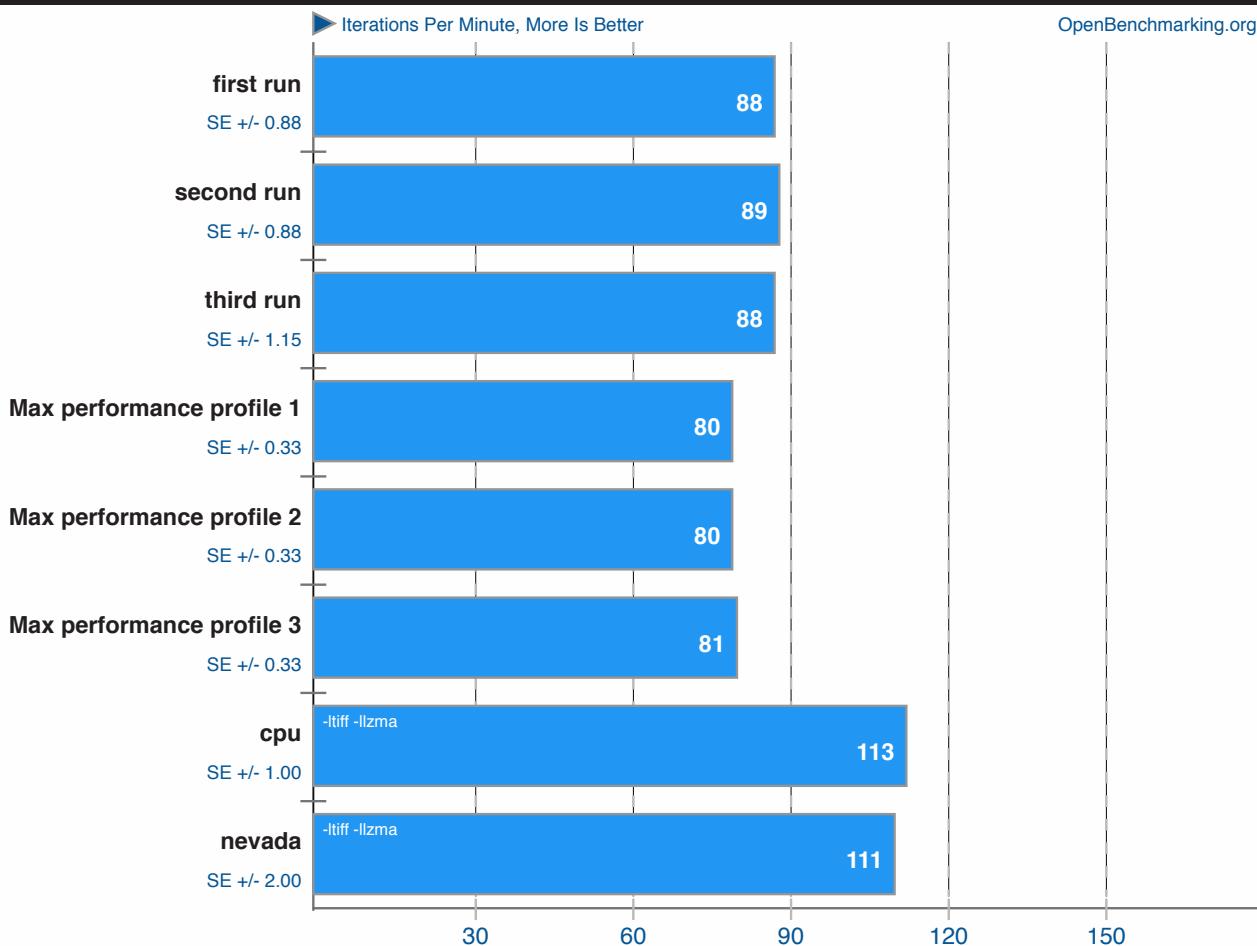
1. (CC) gcc options: -std=gnu99 -fopenmp -O2 -pthread -lfreetype -ljpeg -lXext -ISM -IICE -IX11 -lbz2 -lxml2 -lz -lm -lgomp -lpthread

GraphicsMagick v1.3.16

Sharpen

ptsli

OpenBenchmarking.org



Phoronix Test Suite 7.0.0

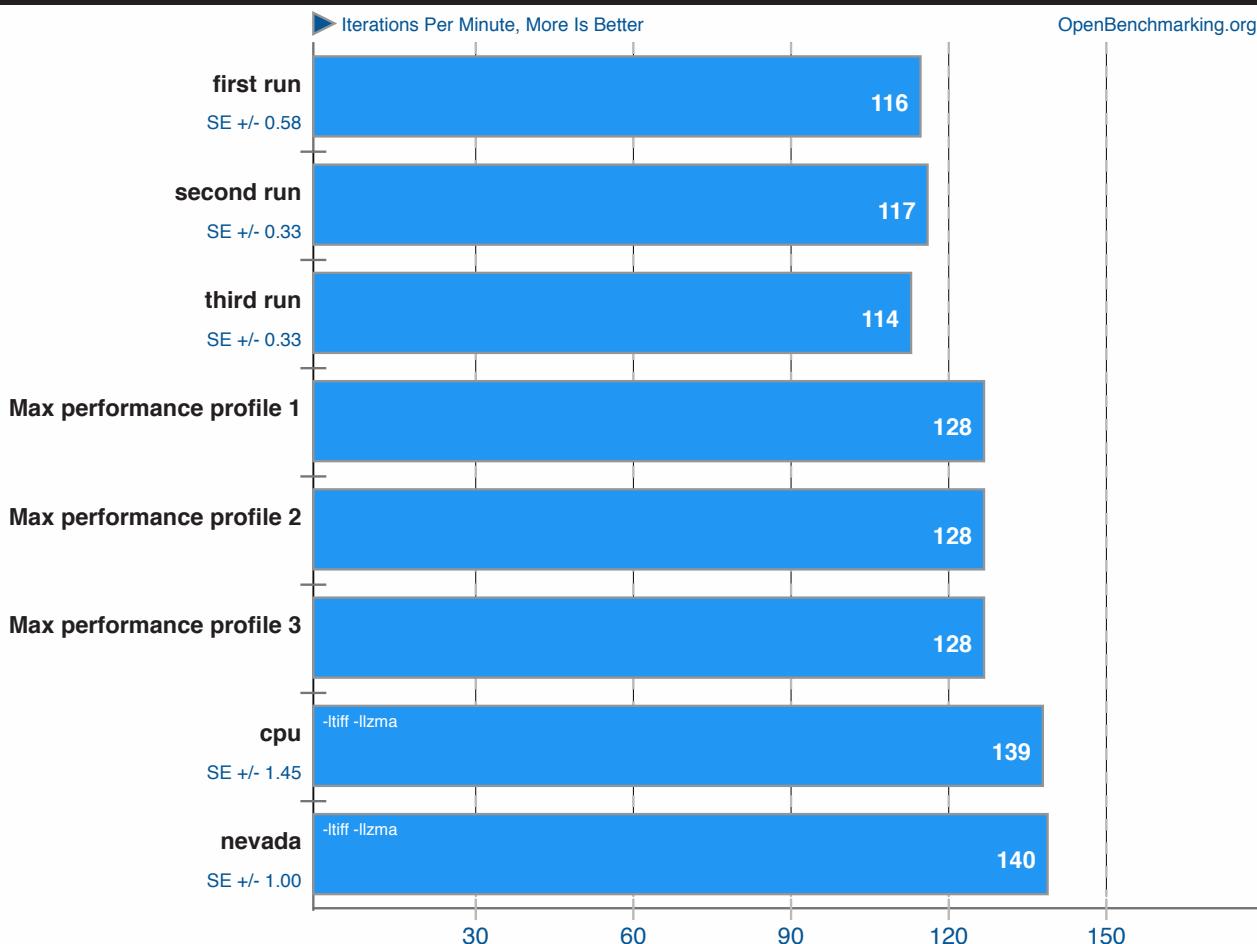
1. (CC) gcc options: -std=gnu99 -fopenmp -O2 -pthread -lfreetype -ljpeg -lXext -lSM -ICE -lX11 -lbz2 -lxml2 -lz -lm -lgomp -lpthread

GraphicsMagick v1.3.16

Resizing



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

1. (CC) gcc options: -std=gnu99 -fopenmp -O2 -pthread -lfreetype -ljpeg -lXext -lSM -ICE -lX11 -lbz2 -lxml2 -lz -lm -lgomp -lpthread

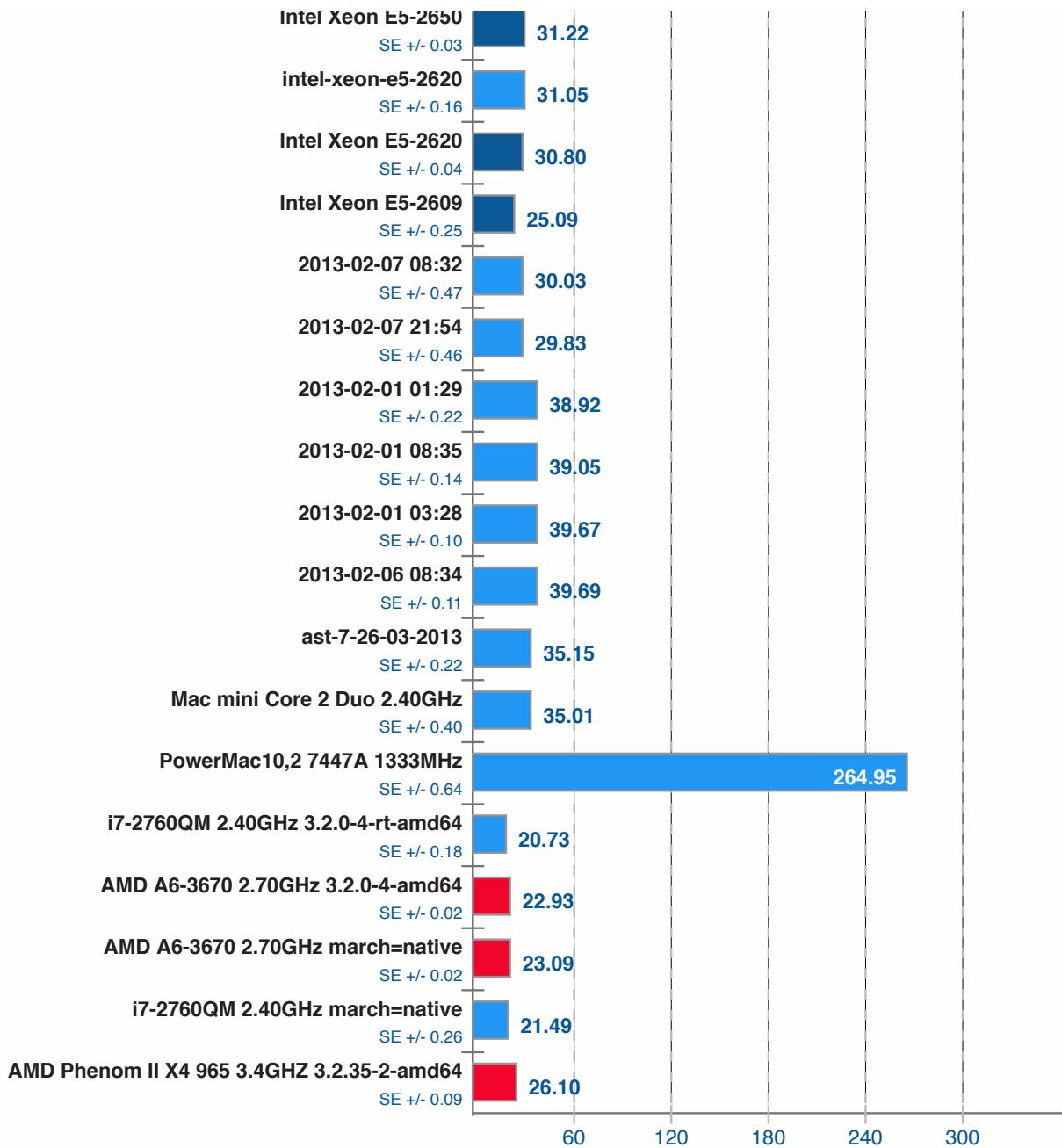
FFmpeg v1.1

H.264 HD To NTSC DV



OpenBenchmarking.org





Phoronix Test Suite 7.0.0

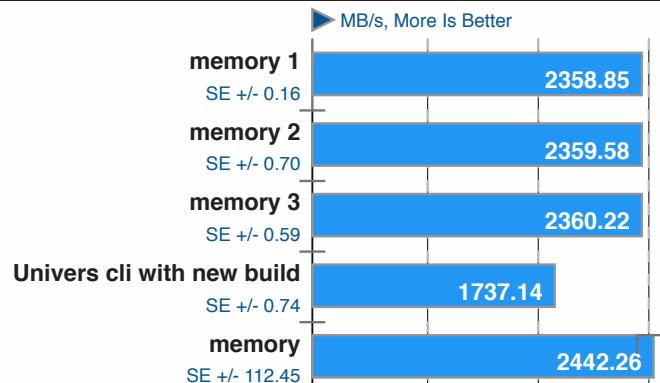
1. (CC) gcc options: -lavdevice -lavfilter -lavformat -lavcodec -lswresample -lwscale -lavutil -lm -lbz2

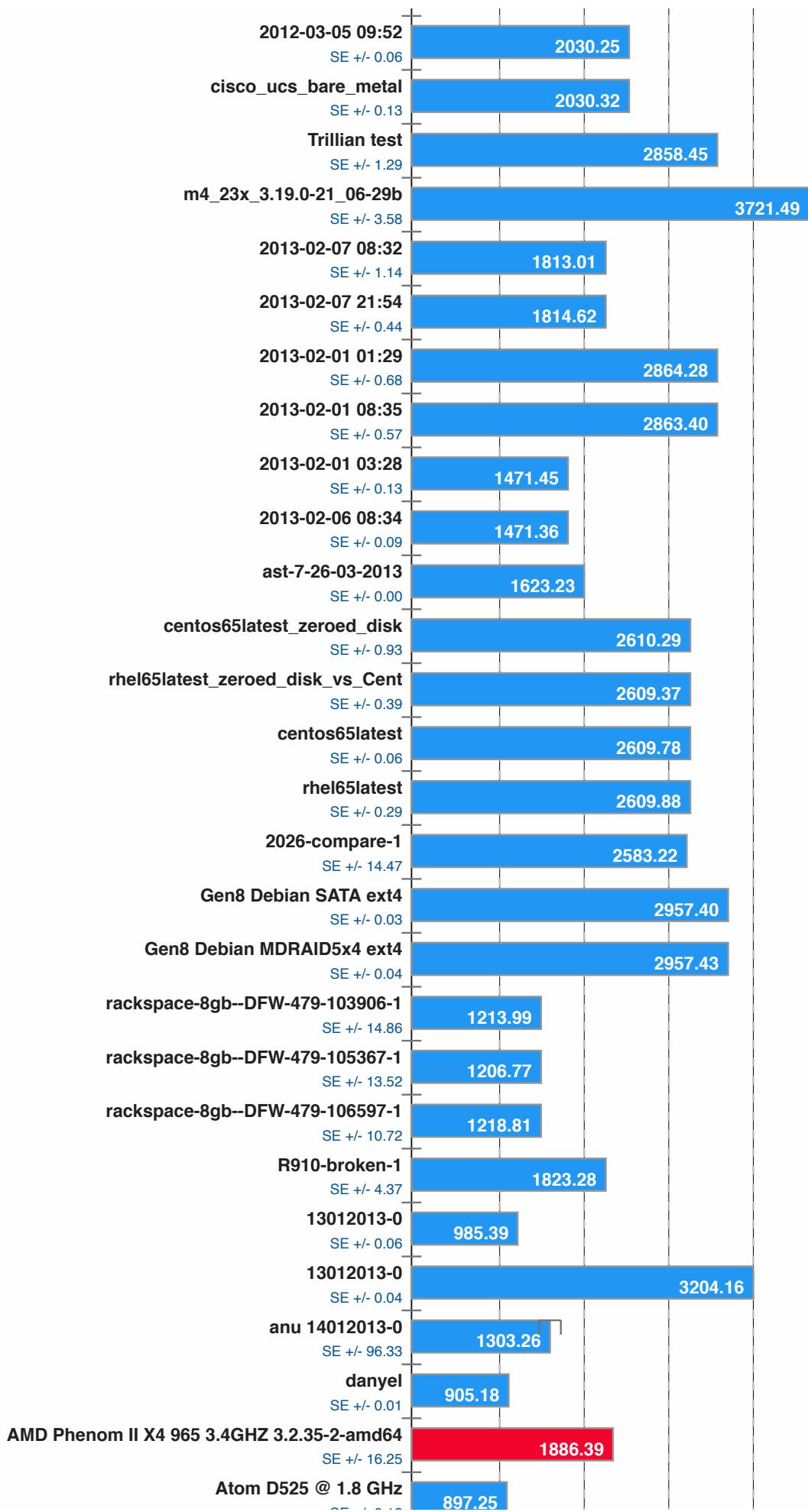
CacheBench

Read Cache

ptsli

OpenBenchmarking.org







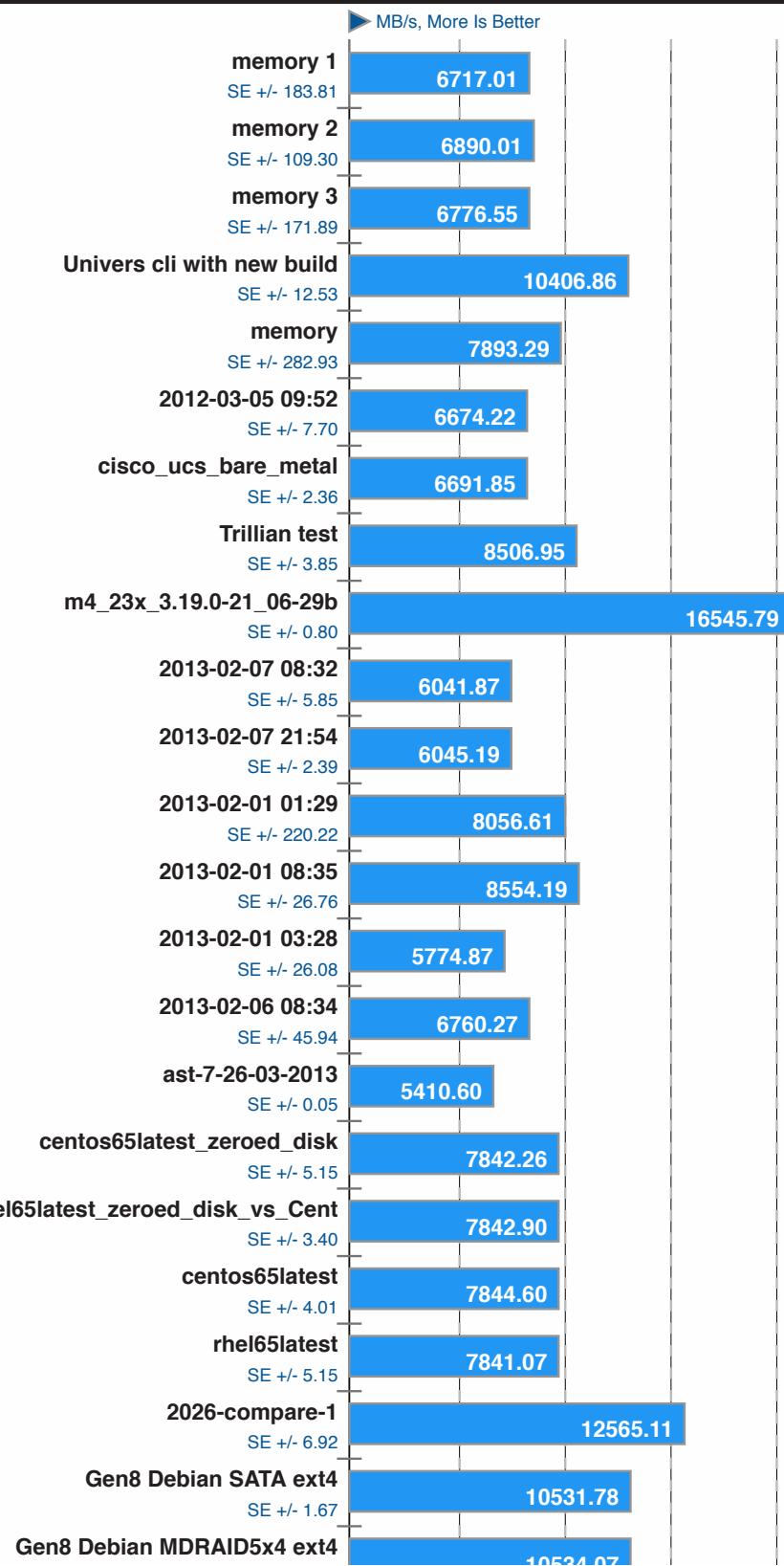
1. (CC) gcc options: -lrt

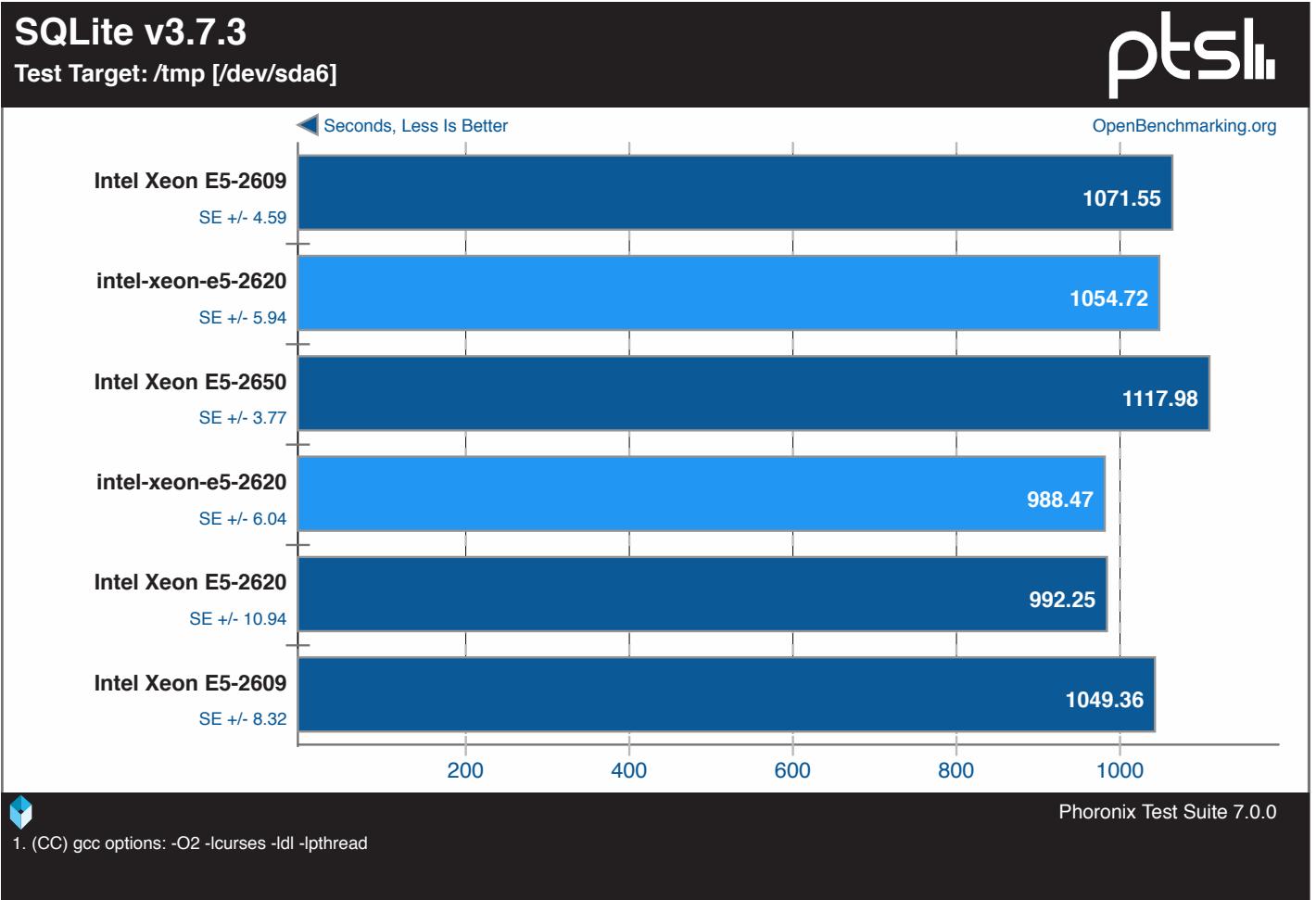
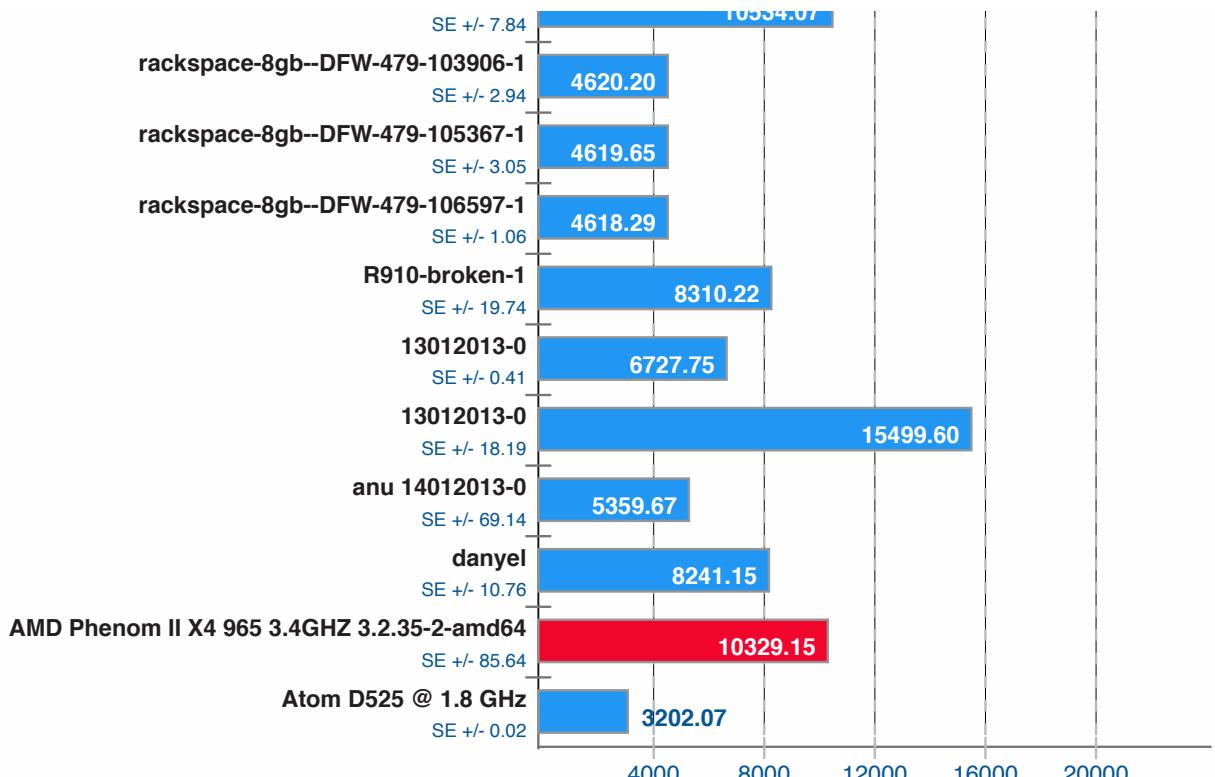
Phoronix Test Suite 7.0.0

CacheBench

Write Cache

OpenBenchmarking.org



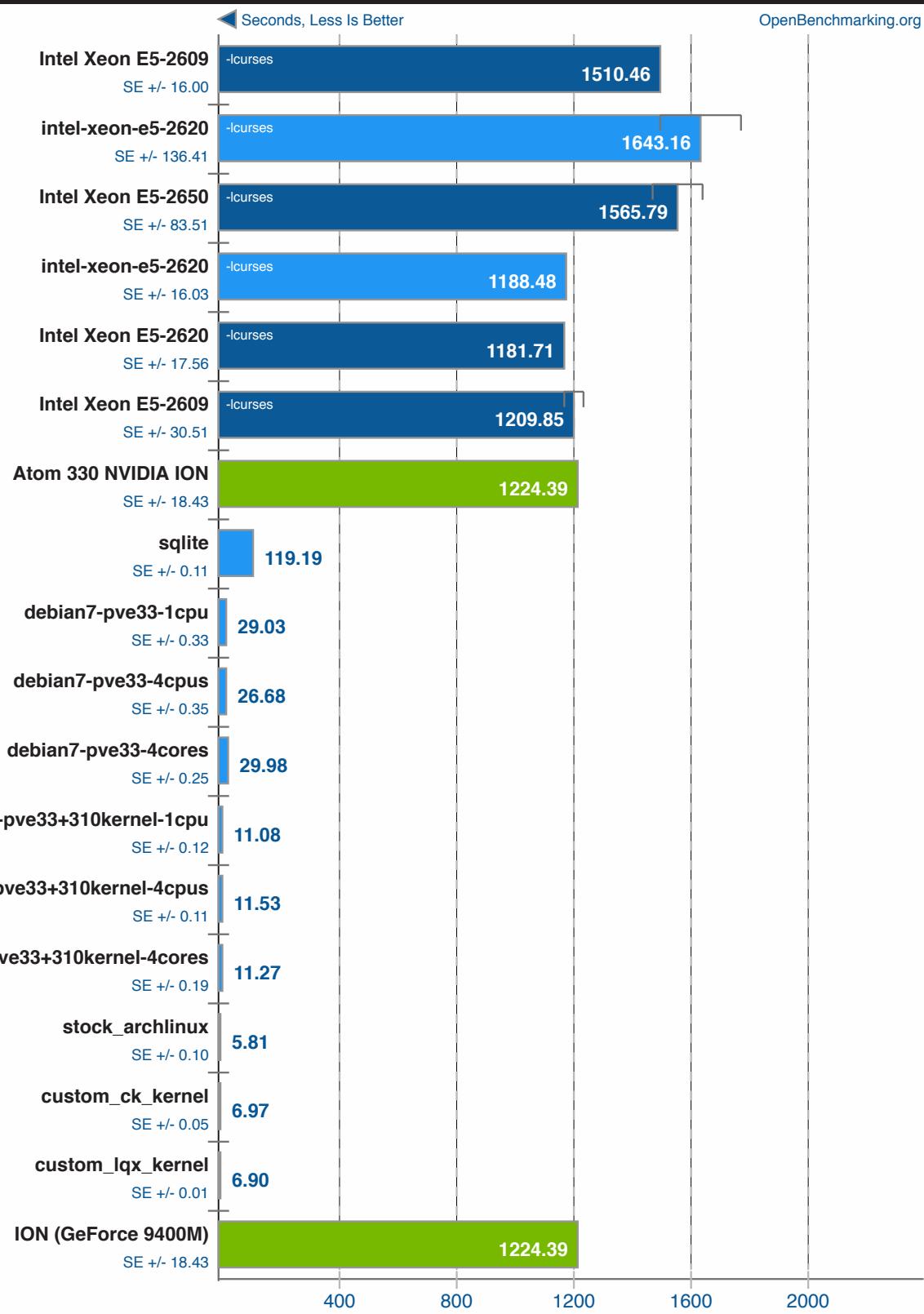


SQLite v3.7.3

Test Target: Default Test Directory

ptsli

OpenBenchmarking.org



1. (CC) gcc options: -O2 -ldl -lpthread

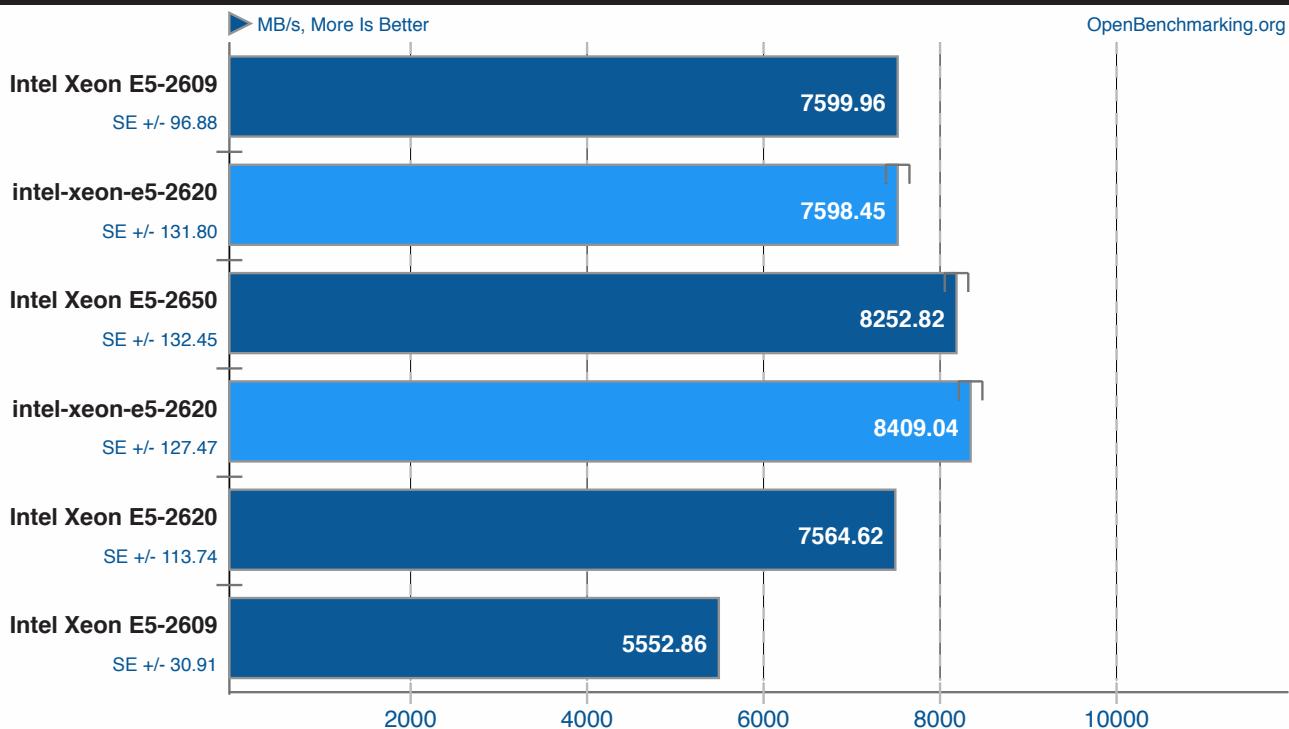
Phoronix Test Suite 7.0.0

Threaded I/O Tester v0.3.3

Test: Random Read - Size Per Thread: 256MB - Thread Count: 32



OpenBenchmarking.org



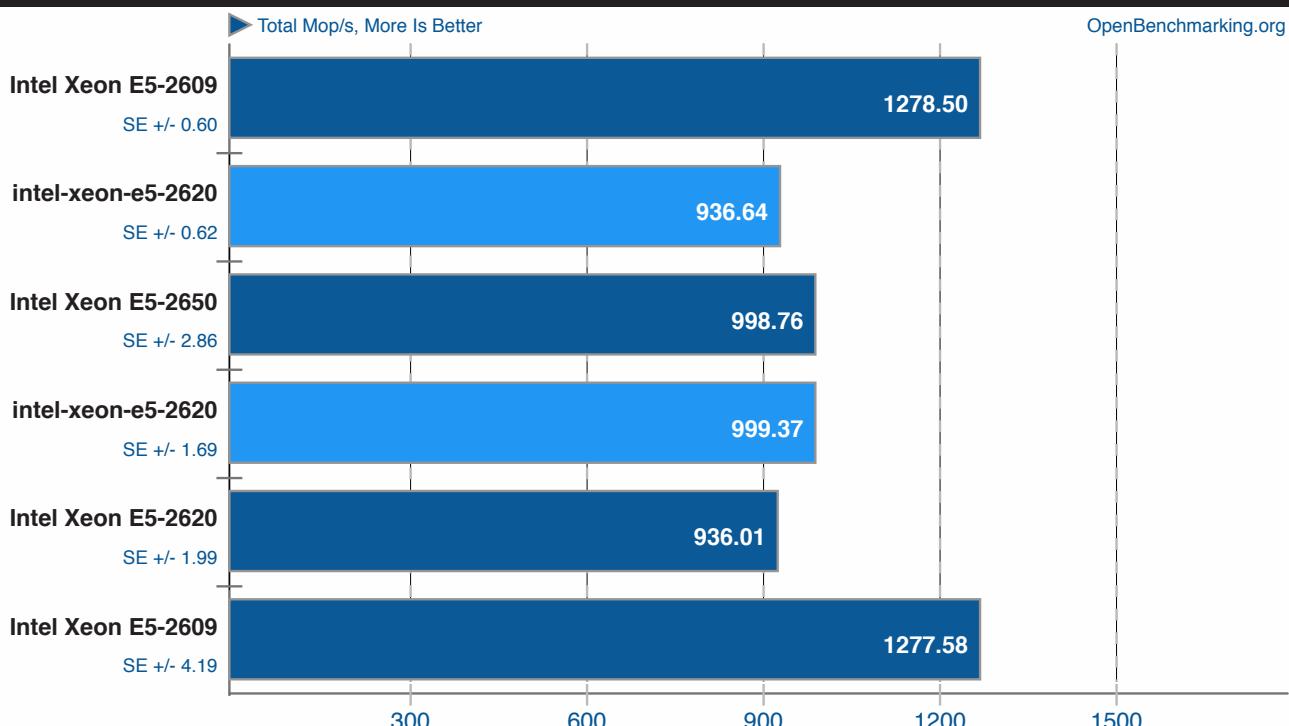
Phoronix Test Suite 7.0.0

NAS Parallel Benchmarks v3.3

Test / Class: SPA



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

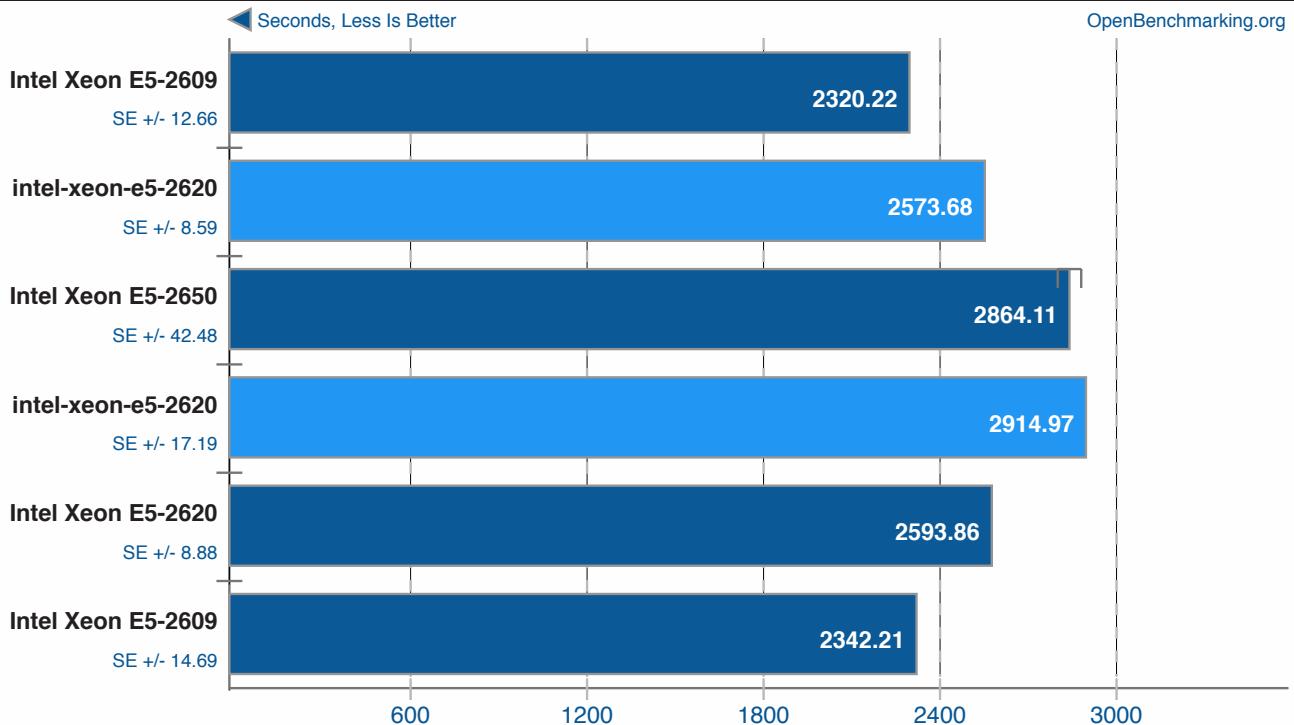
1. (F9X) gfortran options: -Impi -pthread -Impi_f77 -lopen-rte -lopen-pal -ldl -lsl -lutil -lm

Parboil v2.5

Test: Two-Point Angular Correlation

ptsli

OpenBenchmarking.org



1. (CXX) g++ options: -fopenmp -fthreadsafe -lgomp

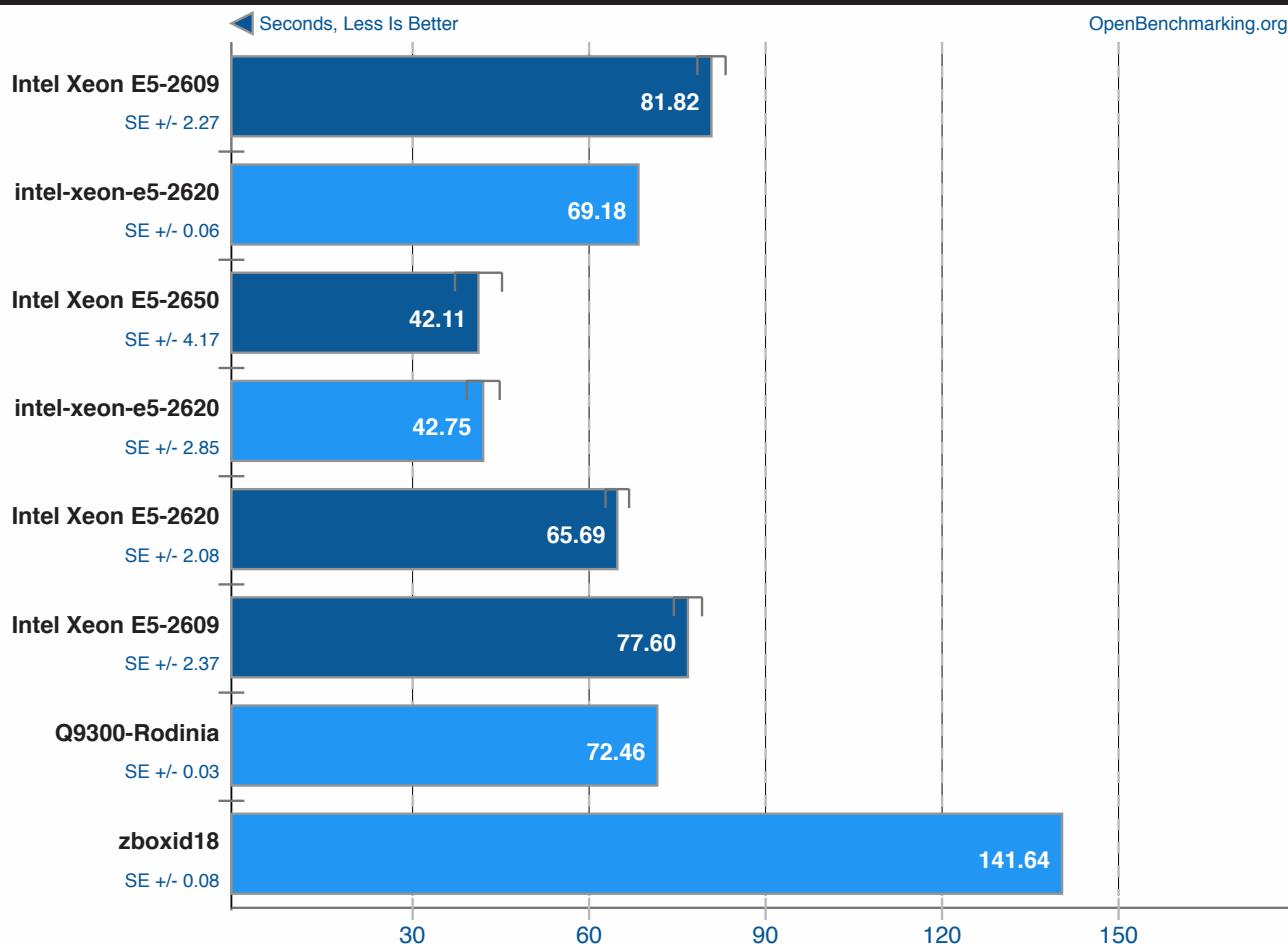
Phoronix Test Suite 7.0.0

Rodinia v2.2

Test: OpenMP Streamcluster

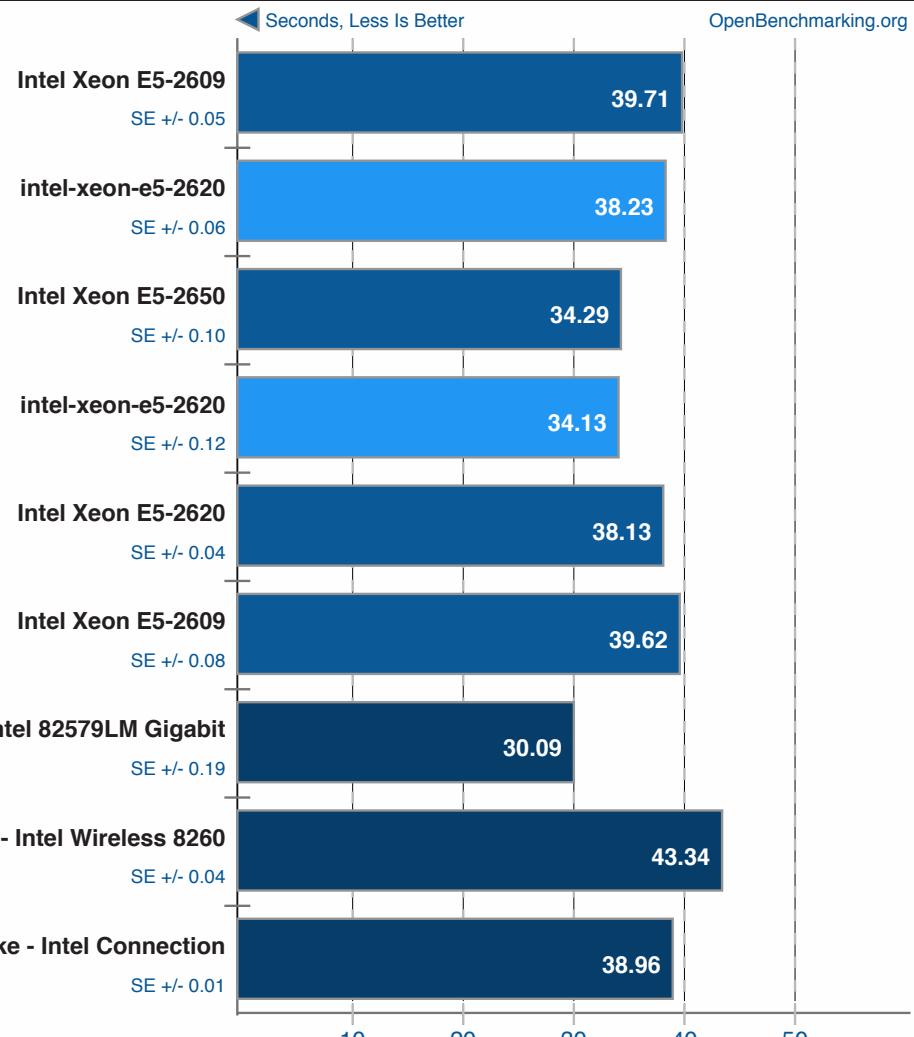


OpenBenchmarking.org



1. (CXX) g++ options: -O3 -fopenmp

Phoronix Test Suite 7.0.0

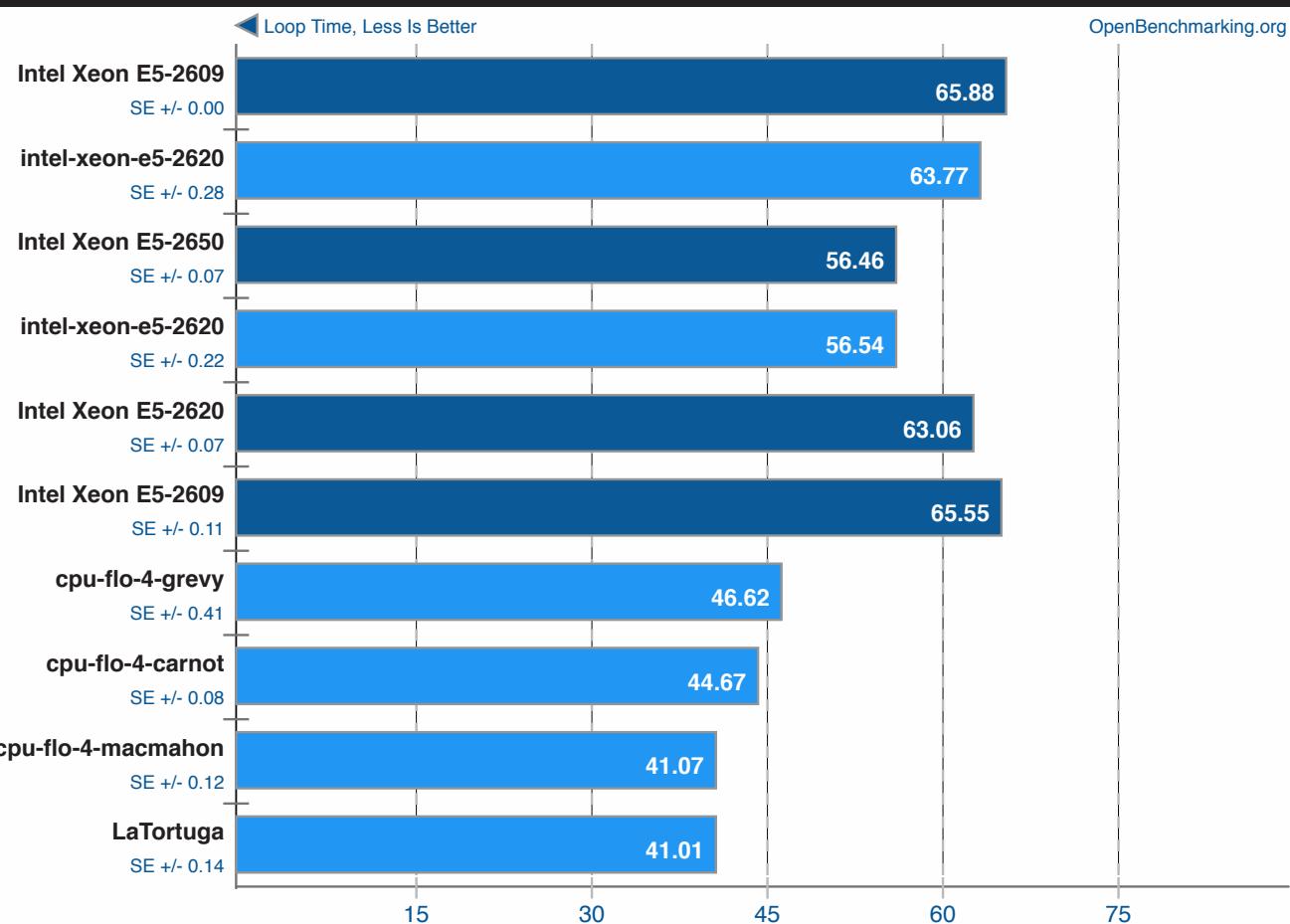


LAMMPS Molecular Dynamics Simulator v1.0

Test: Rhodopsin Protein



OpenBenchmarking.org



1. (CXX) g++ options: -lfftw -lmpich

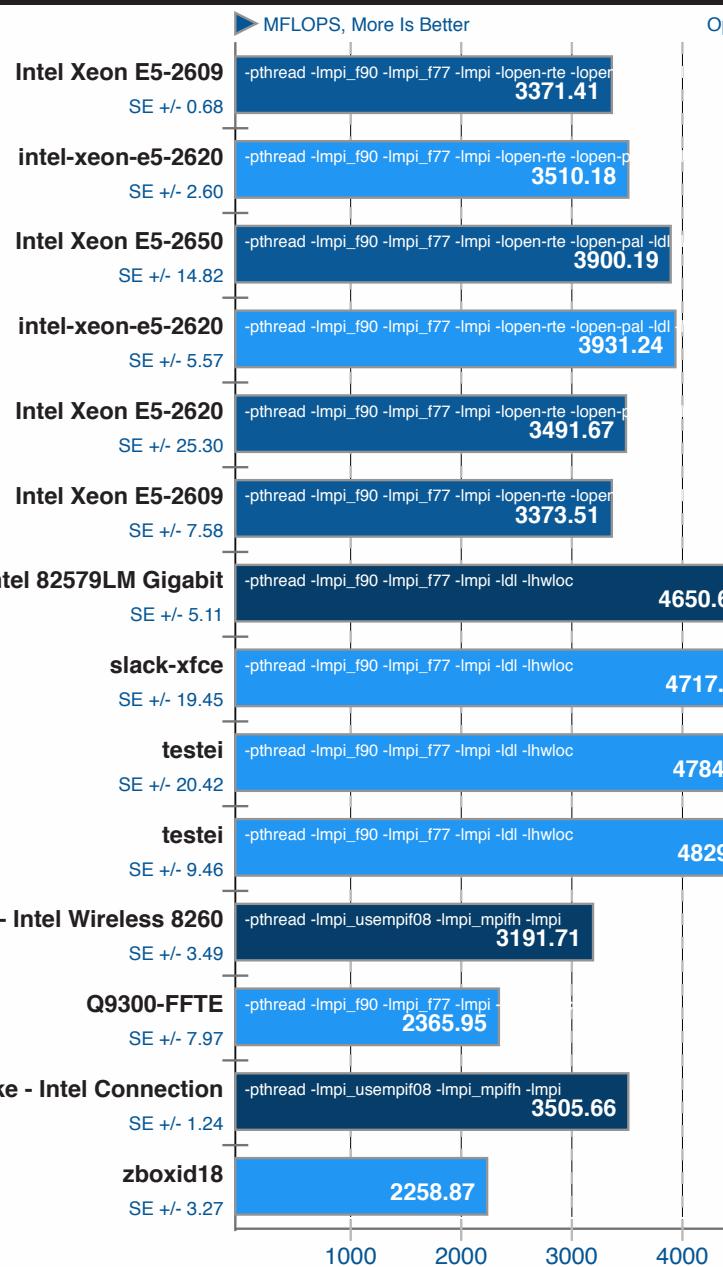
Phoronix Test Suite 7.0.0

FFTE v5.0

Test: N=64, 1D Complex FFT Routine



OpenBenchmarking.org



1. (F9X) gfortran options: -O3 -fomit-frame-pointer -fopenmp

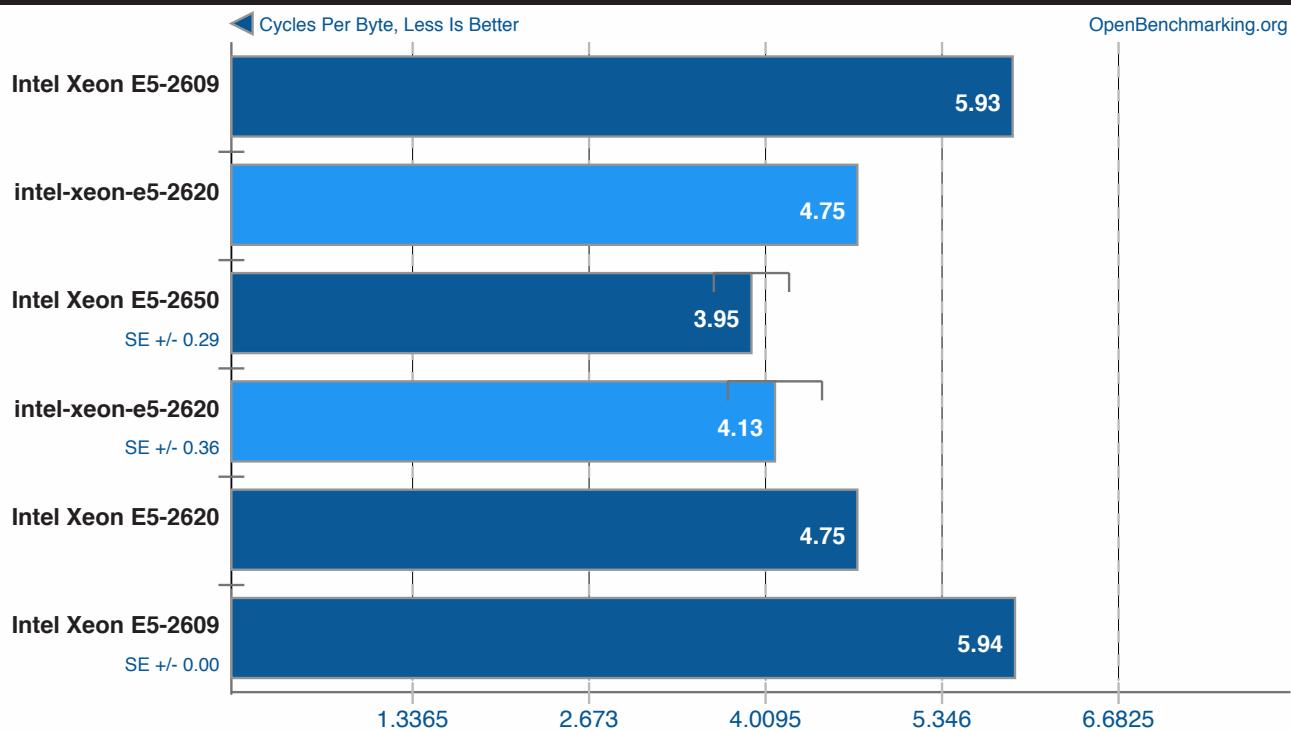
Phoronix Test Suite 7.0.0

BLAKE2 v20121223

Phoronix Test Suite v4.4.1

ptsli

OpenBenchmarking.org



1. (CC) gcc options: -std=gnu99 -O3 -march=native

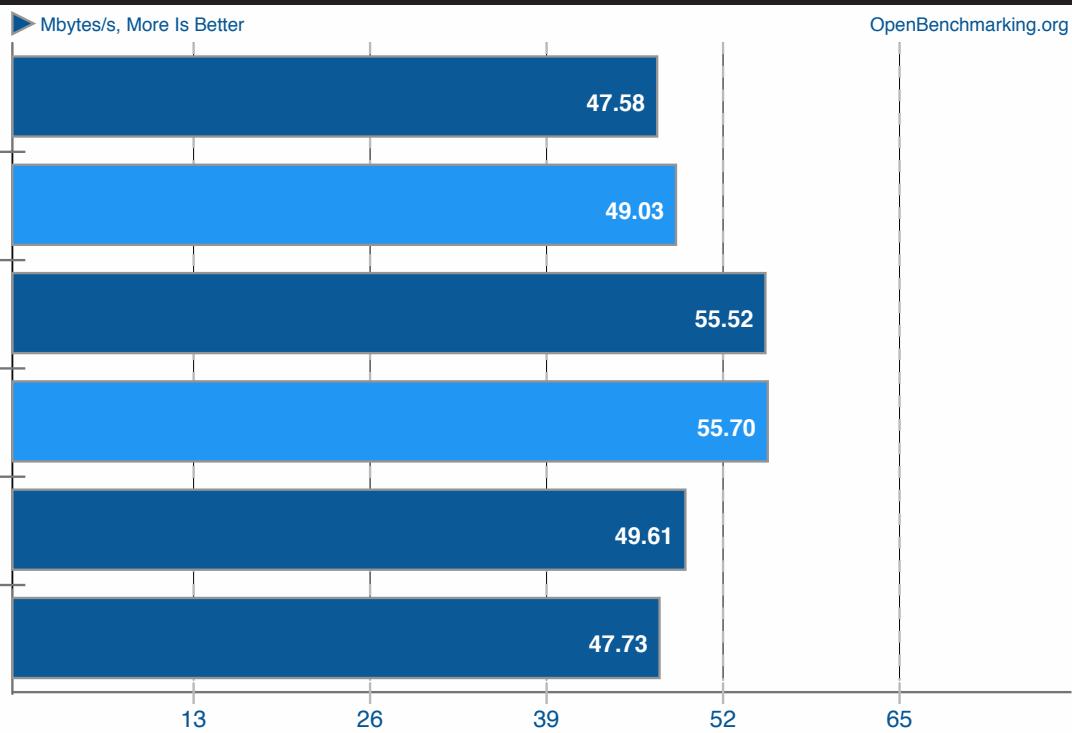
Phoronix Test Suite 7.0.0

Botan v1.10.3

Test: X9.19-MAC



OpenBenchmarking.org



1. (CXX) g++ options: -m64 -ldl -lpthread -lrt

Phoronix Test Suite 7.0.0

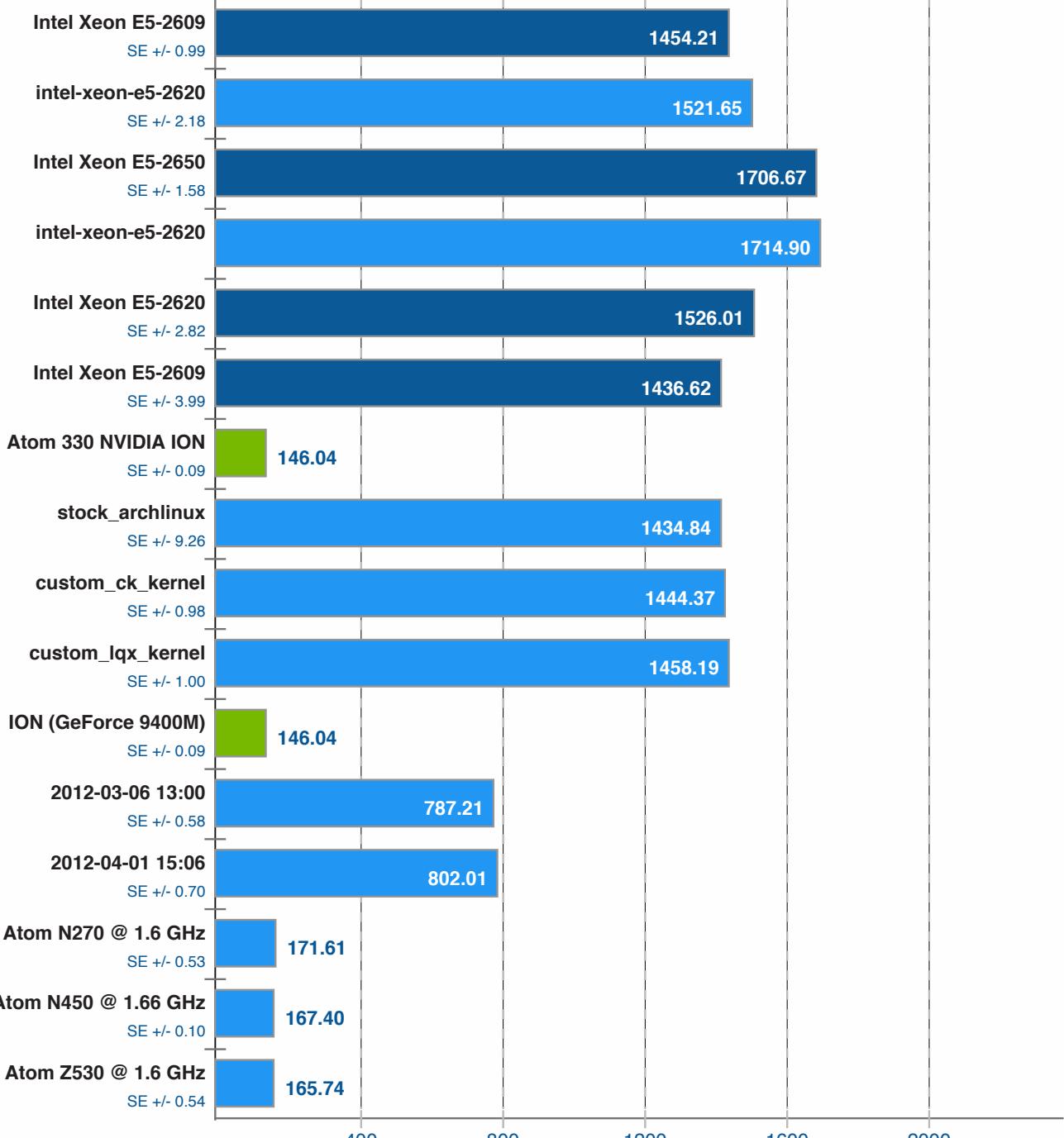
SciMark v2.0

Computational Test: Dense LU Matrix Factorization

ptsli

OpenBenchmarking.org

► Mflops, More Is Better



Phoronix Test Suite 7.0.0

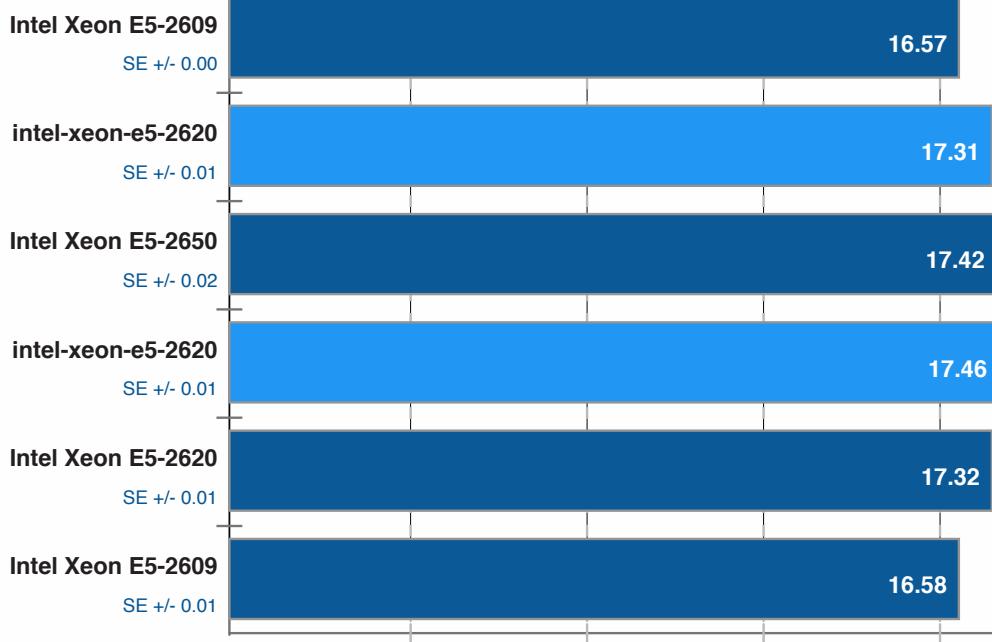
TTSIOD 3D Renderer v2.2z

Phong Rendering With Soft-Shadow Mapping

ptsli

OpenBenchmarking.org

► FPS, More Is Better



Phoronix Test Suite 7.0.0

1. (CXX) g++ options: -O3 -fomit-frame-pointer -ffast-math -mtune=native -fno -msse -mrecip -mfpmath=sse -msse2 -mssse3 -ISDL -Istdc++

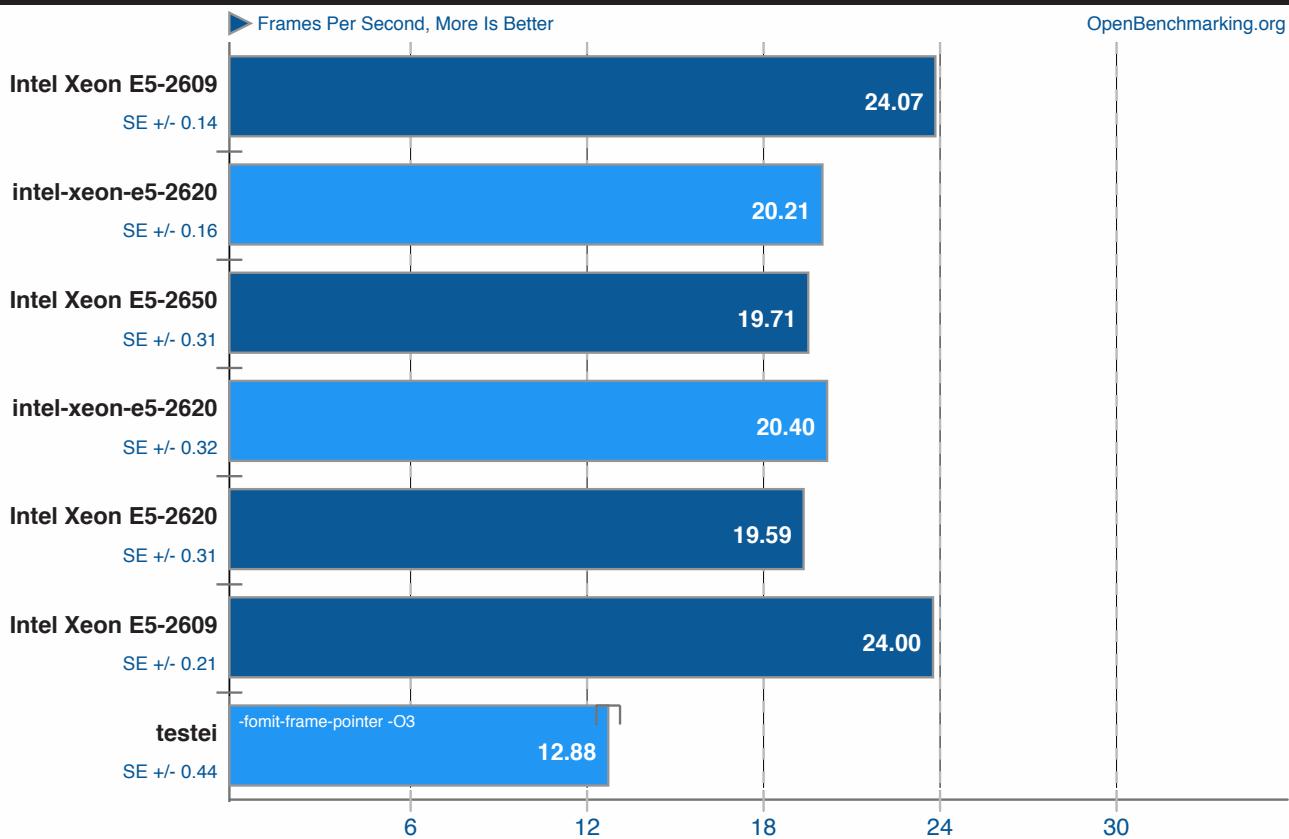


VP8 libvpx Encoding v1.1.0

vpxenc

ptsli

OpenBenchmarking.org



1. (CC) gcc options: -m64 -lvp8 -lm -lpthread

Phoronix Test Suite 7.0.0

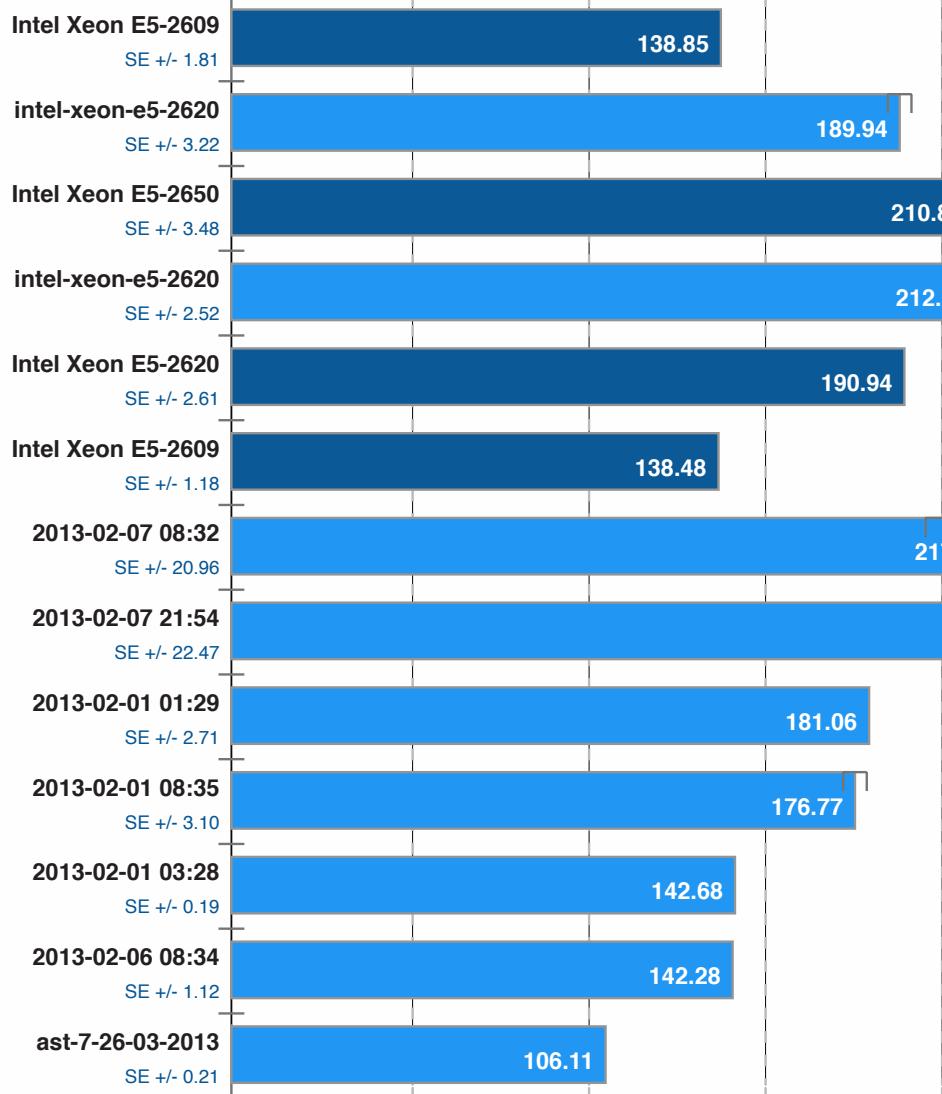
x264 v2013-01-28

H.264 Video Encoding

ptsli

OpenBenchmarking.org

► Frames Per Second, More Is Better



Phoronix Test Suite 7.0.0

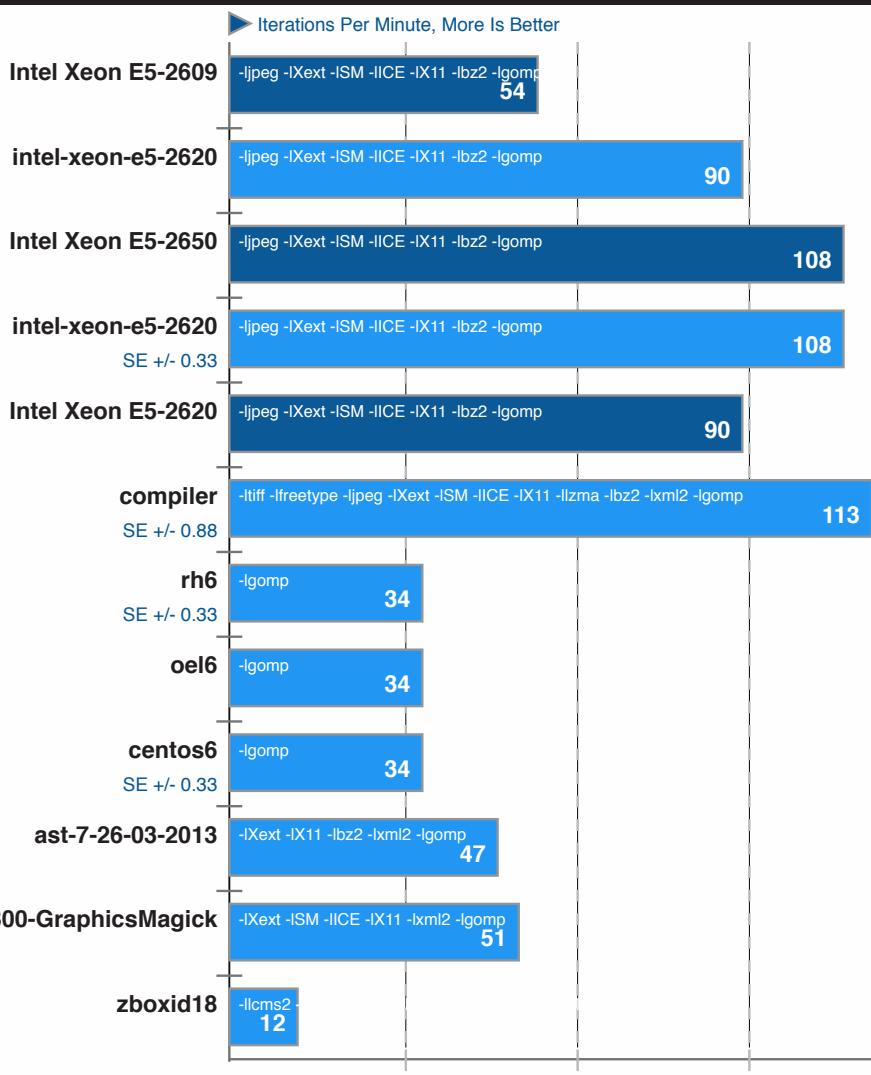


GraphicsMagick v1.3.16

Operation: Sharpen



OpenBenchmarking.org



Phoronix Test Suite 7.0.0



1. (CC) gcc options: -std=gnu99 -fopenmp -O2 -pthread -lz -lm -lpthread

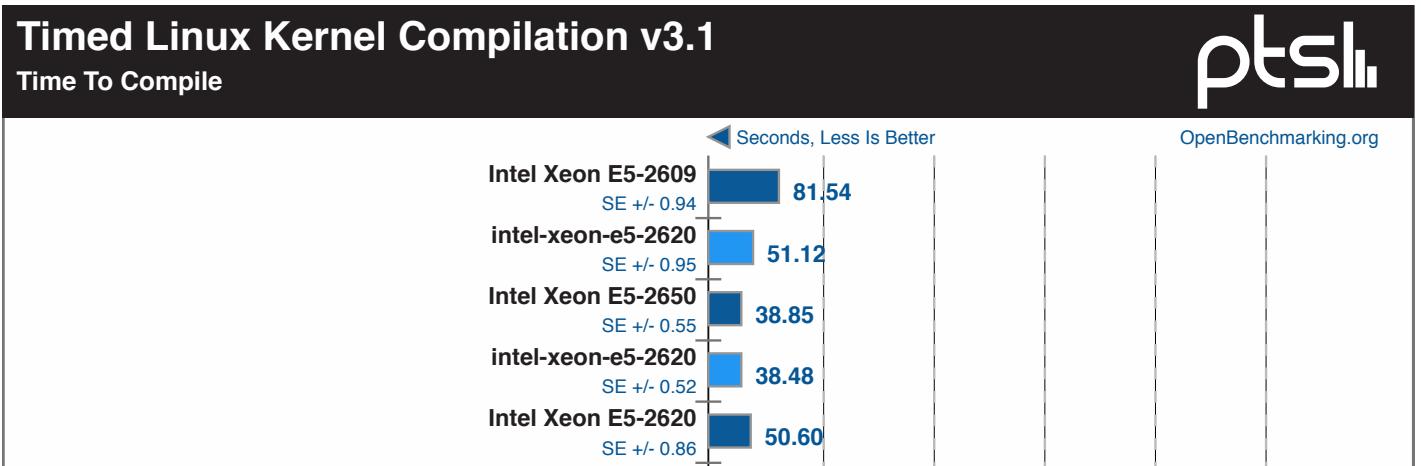
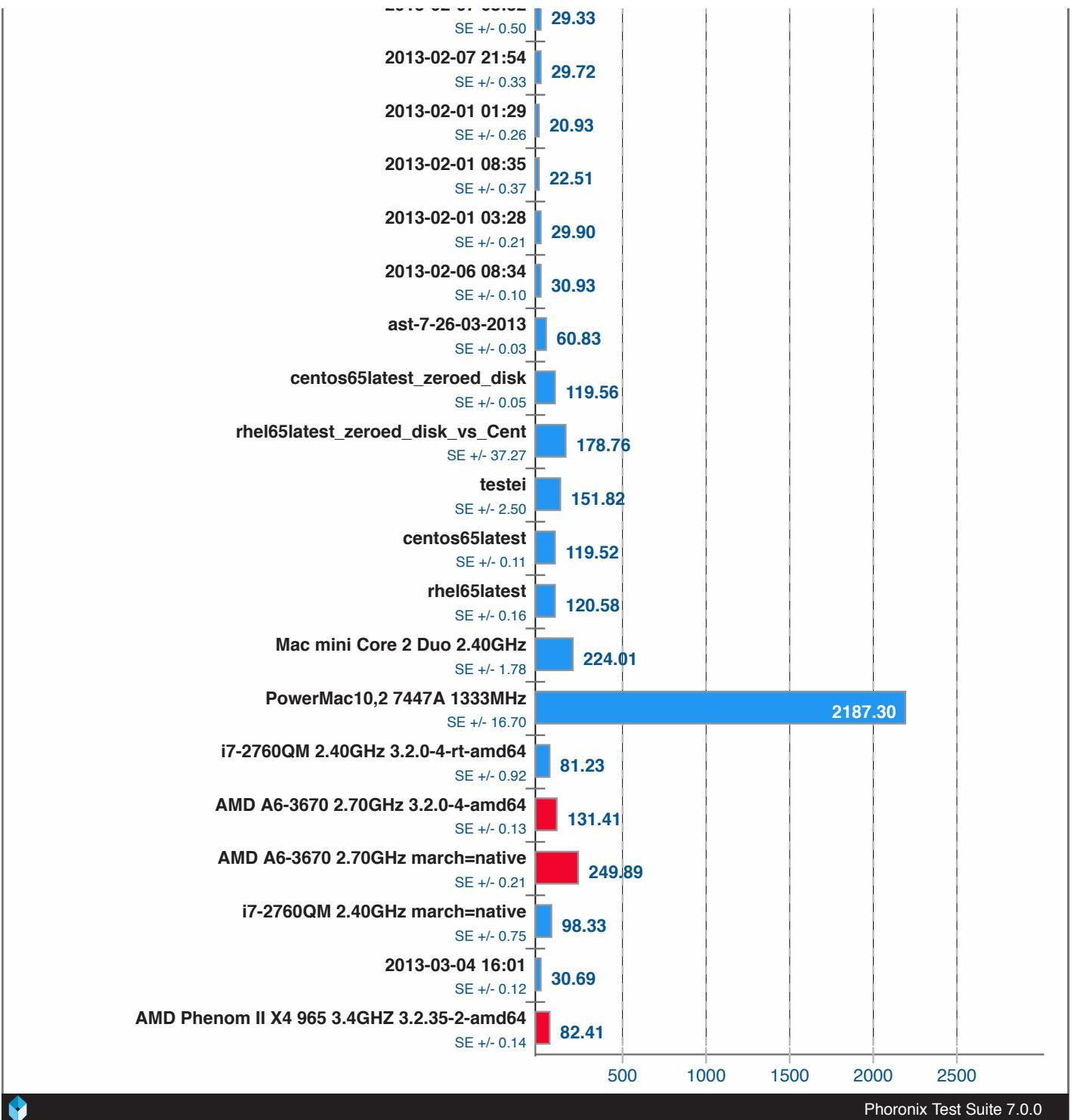
Timed ImageMagick Compilation v6.8.1-10

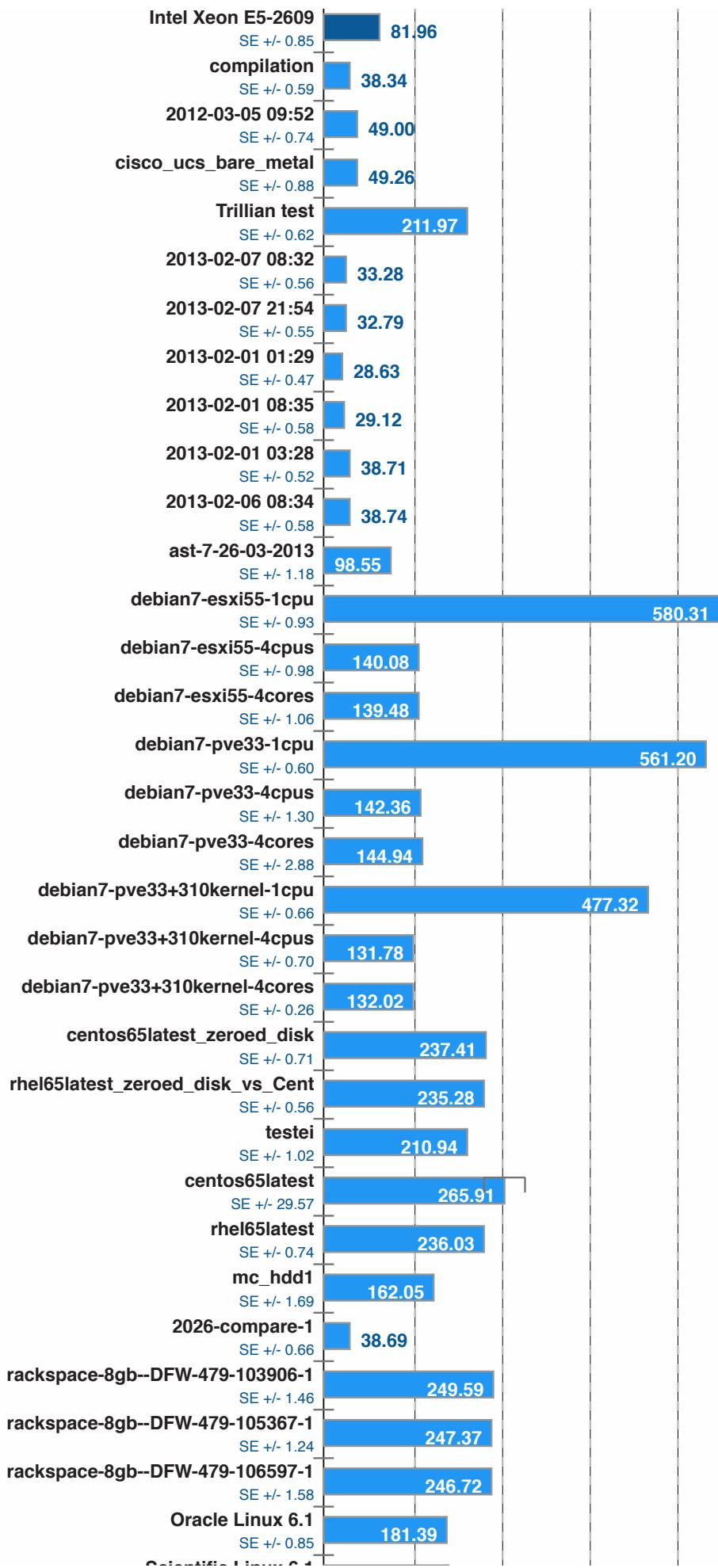
Time To Compile

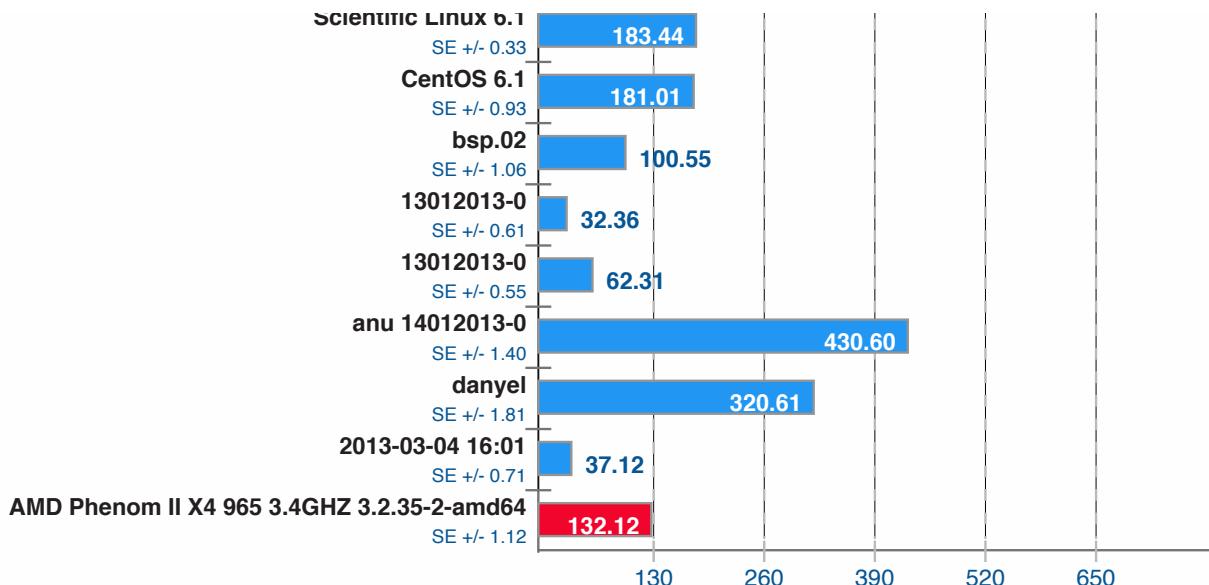


OpenBenchmarking.org









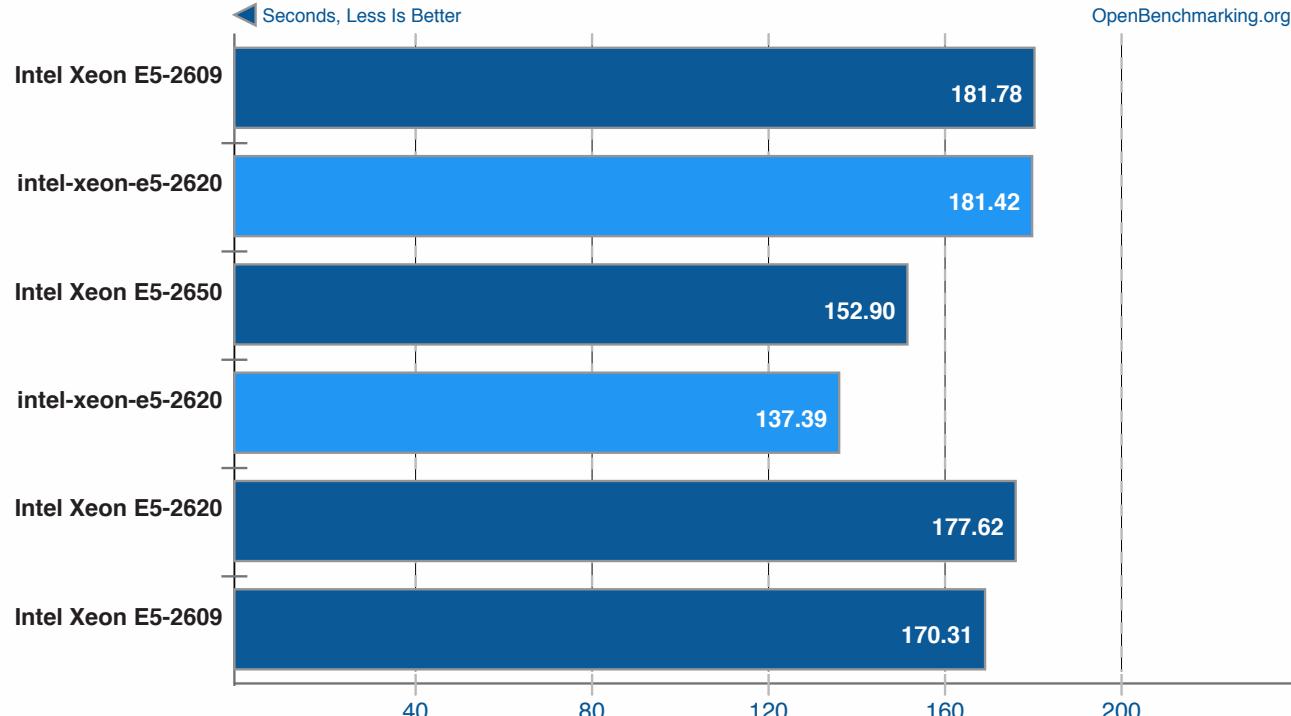
Phoronix Test Suite 7.0.0

Open Porous Media v2012-10-26

OPM Benchmark: Upscale-Relperm



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

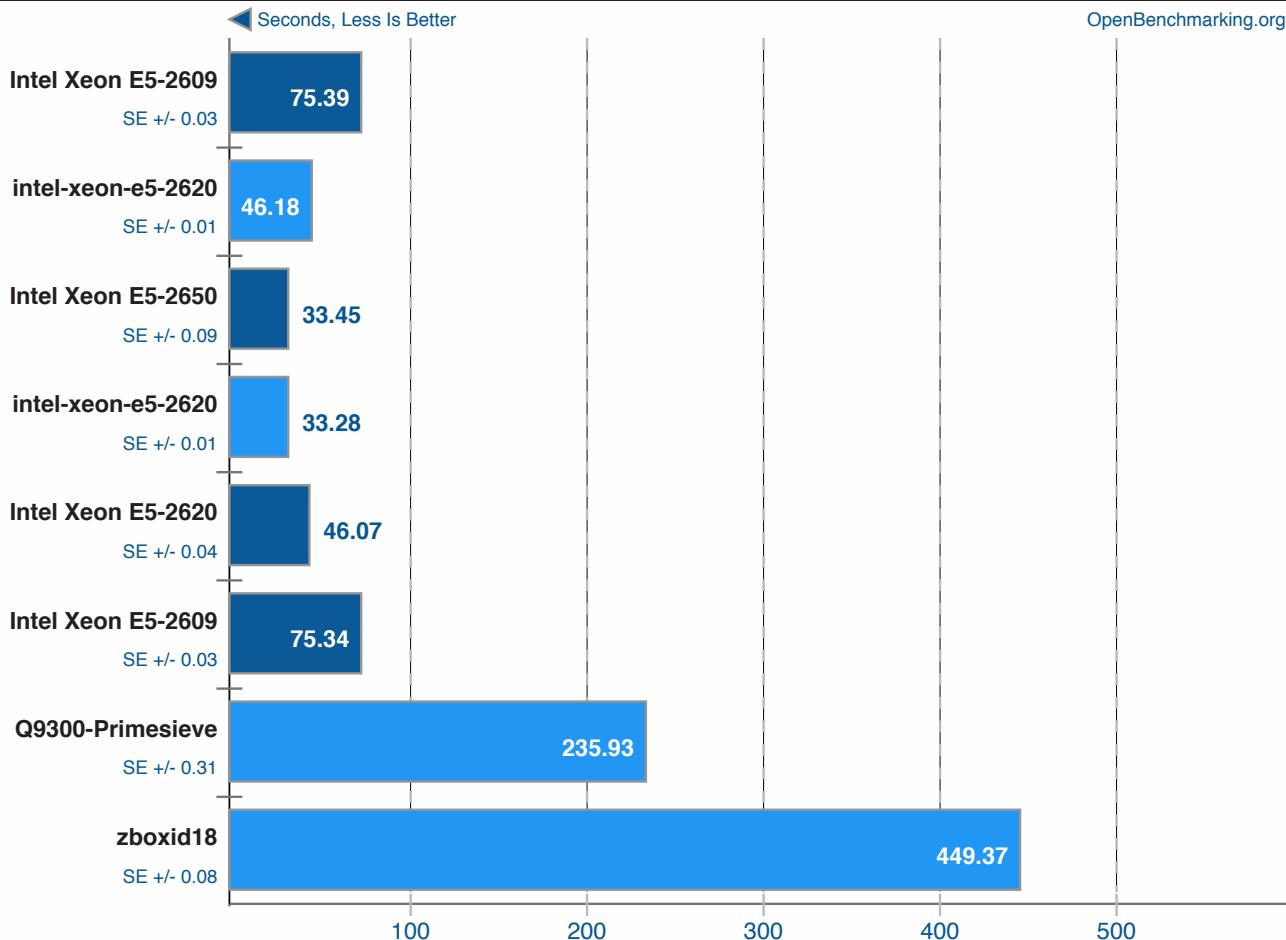
1. (CXX) g++ options: -std=c++0x -O3 -pthread -Impi -lopen-rte -lopen-pal -Im -Iboost_system-mt -Iboost_date_time-mt -Isuperlu -Igfortran -Iquadmath -Iblas -Iasl -Iutil -Idl -Ilapack

Primesieve v4.2

1e12 Prime Number Generation



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

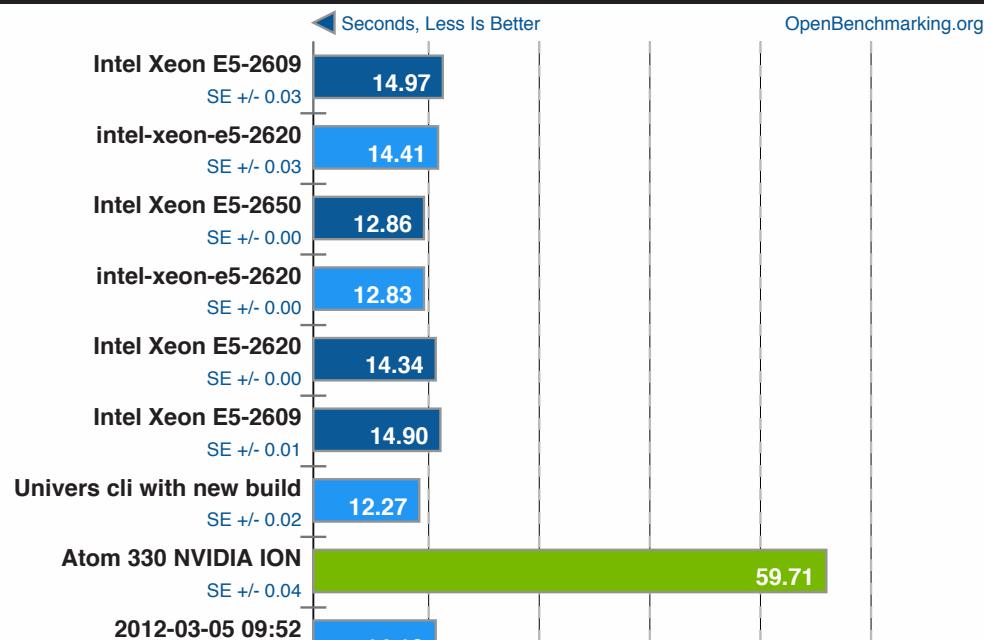
1. (CXX) g++ options: -O2 -fopenmp

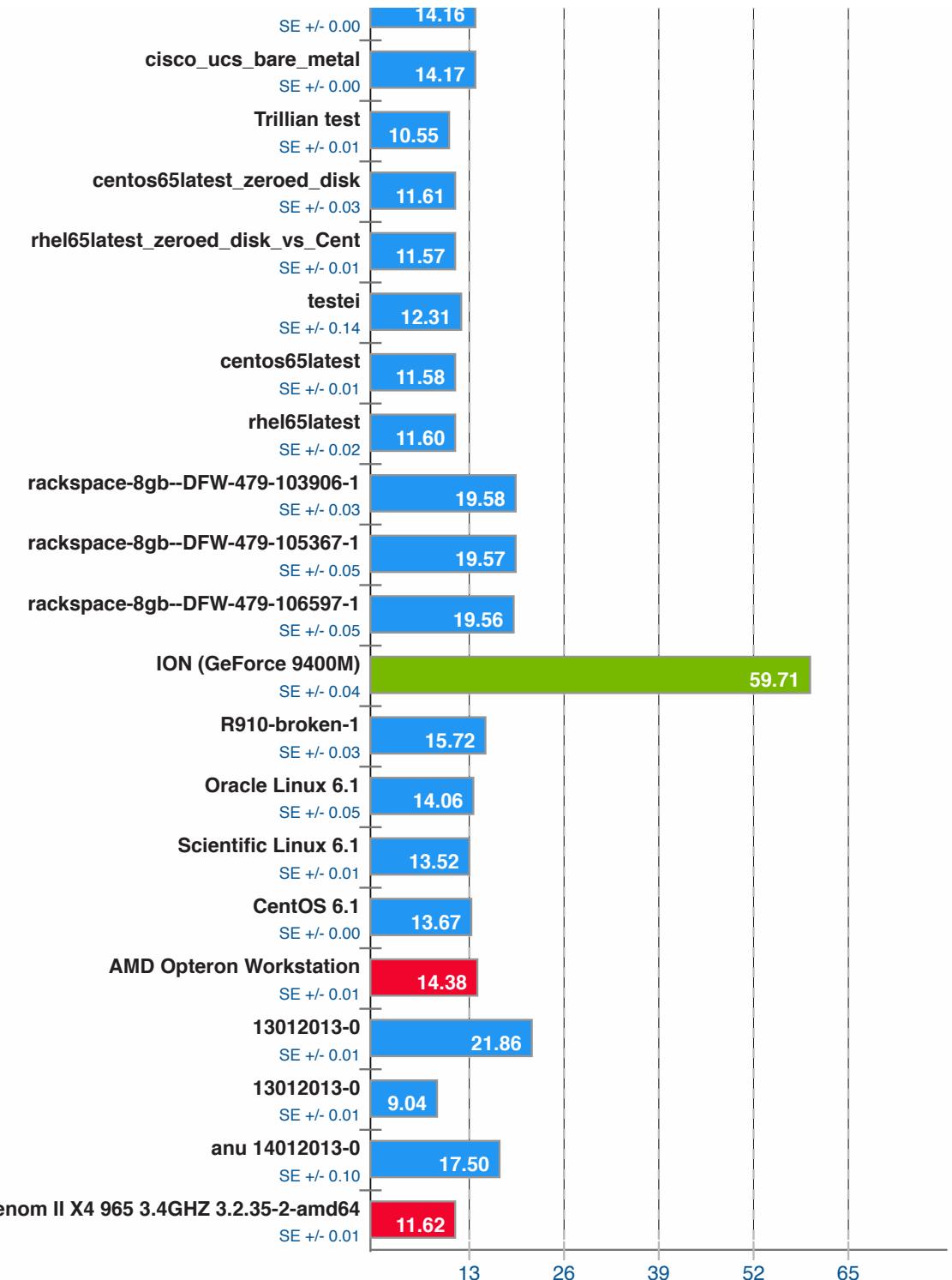
WavPack Audio Encoding v4.41.0

WAV To WavPack



OpenBenchmarking.org





1. (CC) gcc options: -O2 -lm

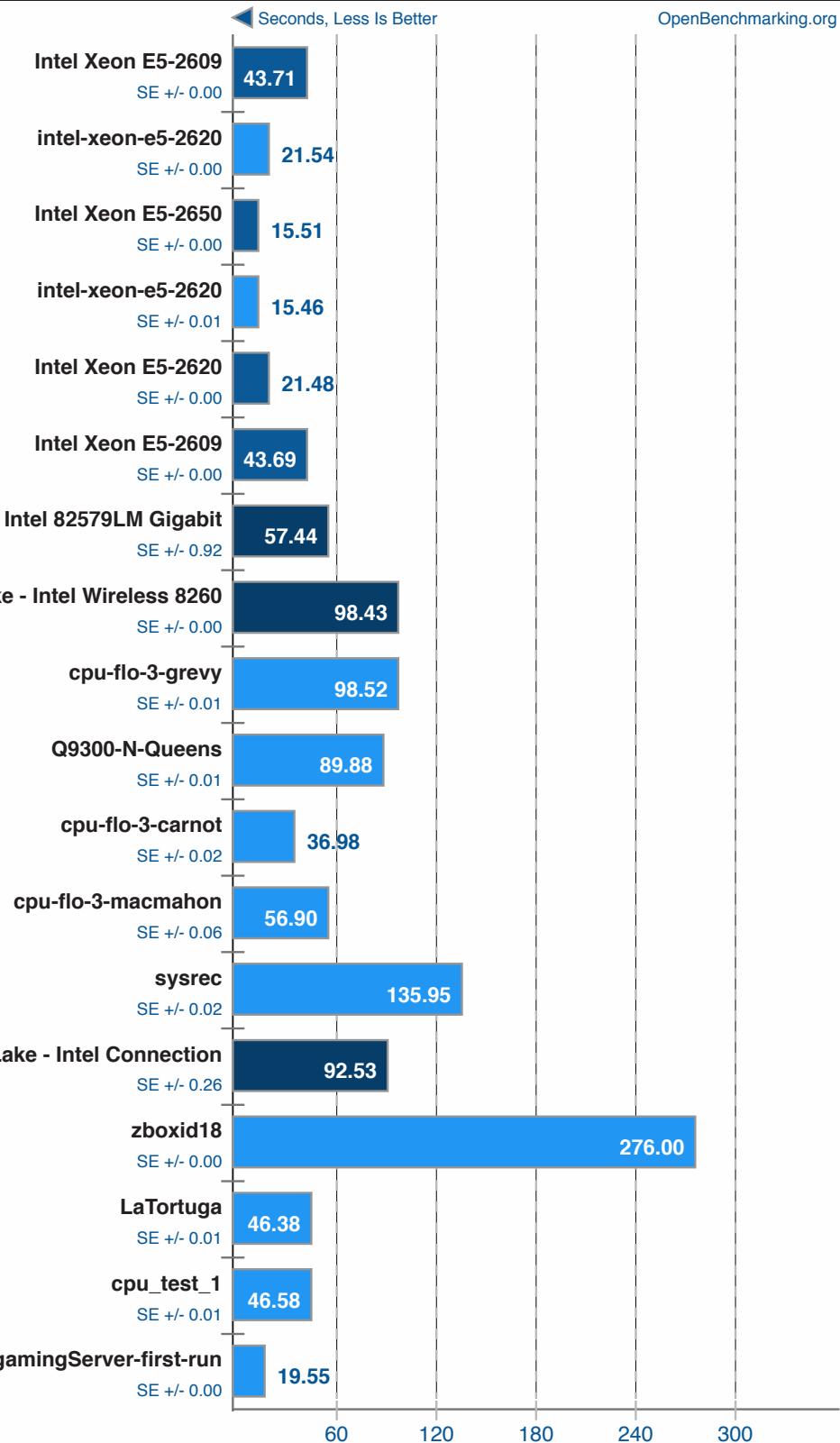
Phoronix Test Suite 7.0.0

N-Queens v1.0

Elapsed Time



OpenBenchmarking.org



1. (CC) gcc options: -static -fopenmp -O3

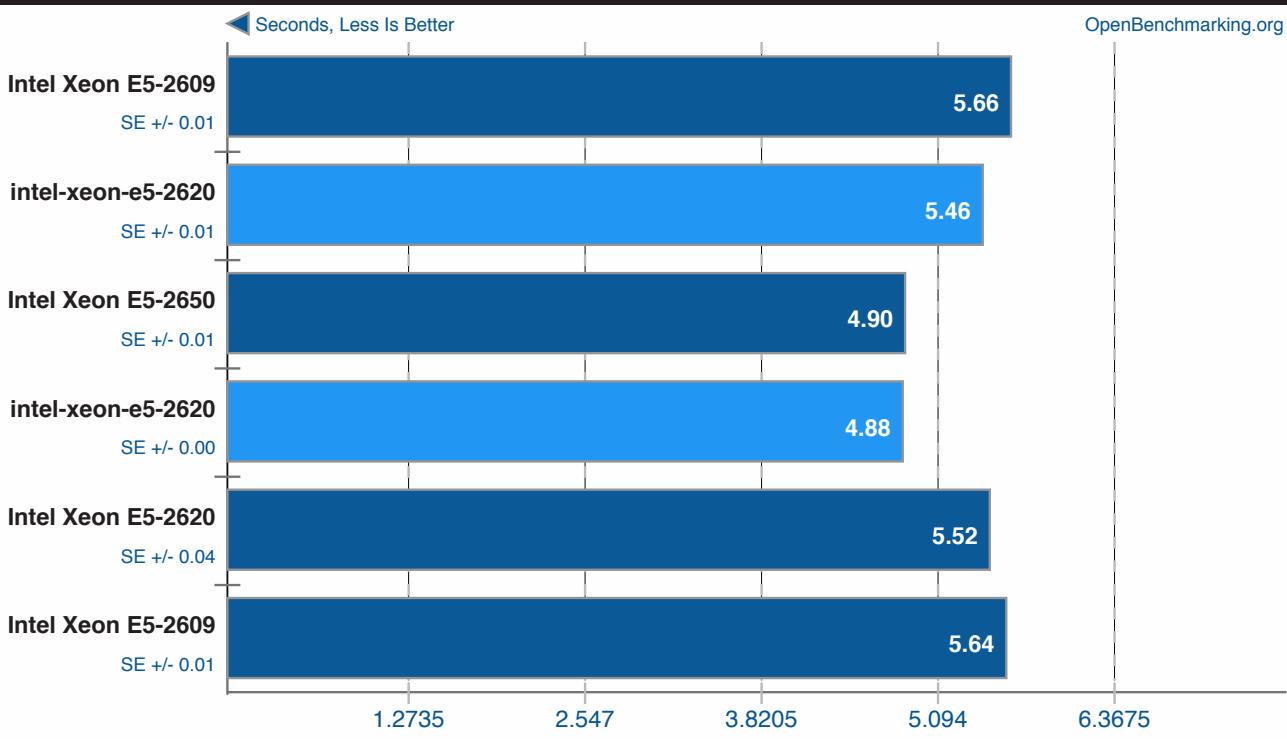
Phoronix Test Suite 7.0.0

Sample Pi Program

Phoronix Test Suite v4.4.1



OpenBenchmarking.org



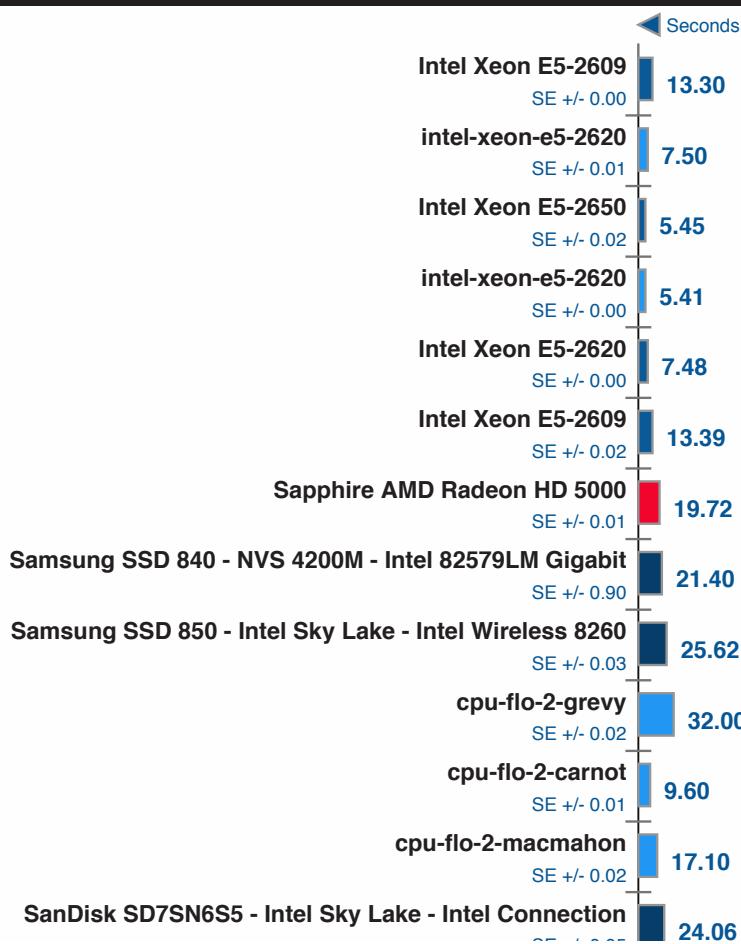
Phoronix Test Suite 7.0.0

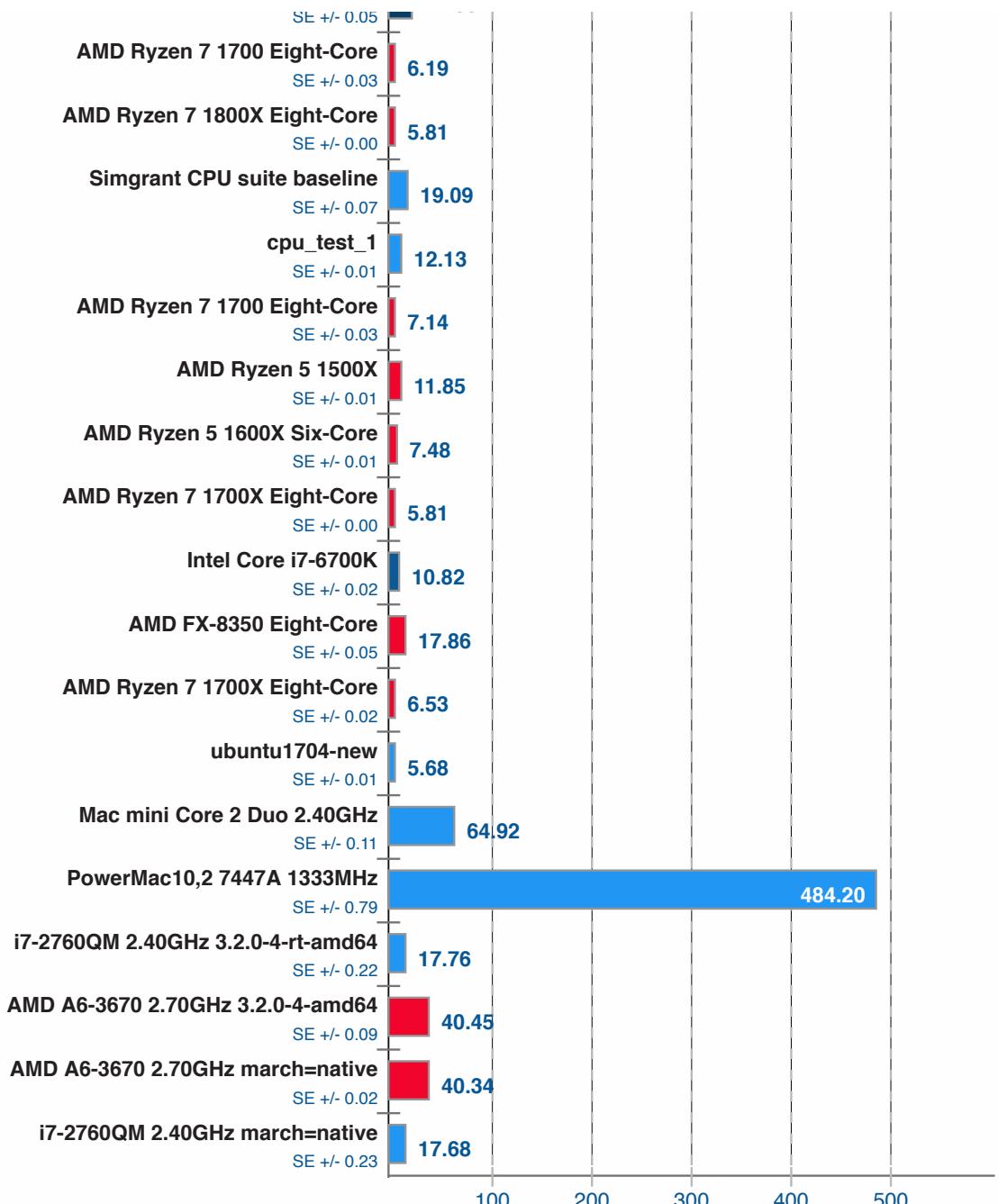
Tachyon v0.98.9

Total Time



OpenBenchmarking.org



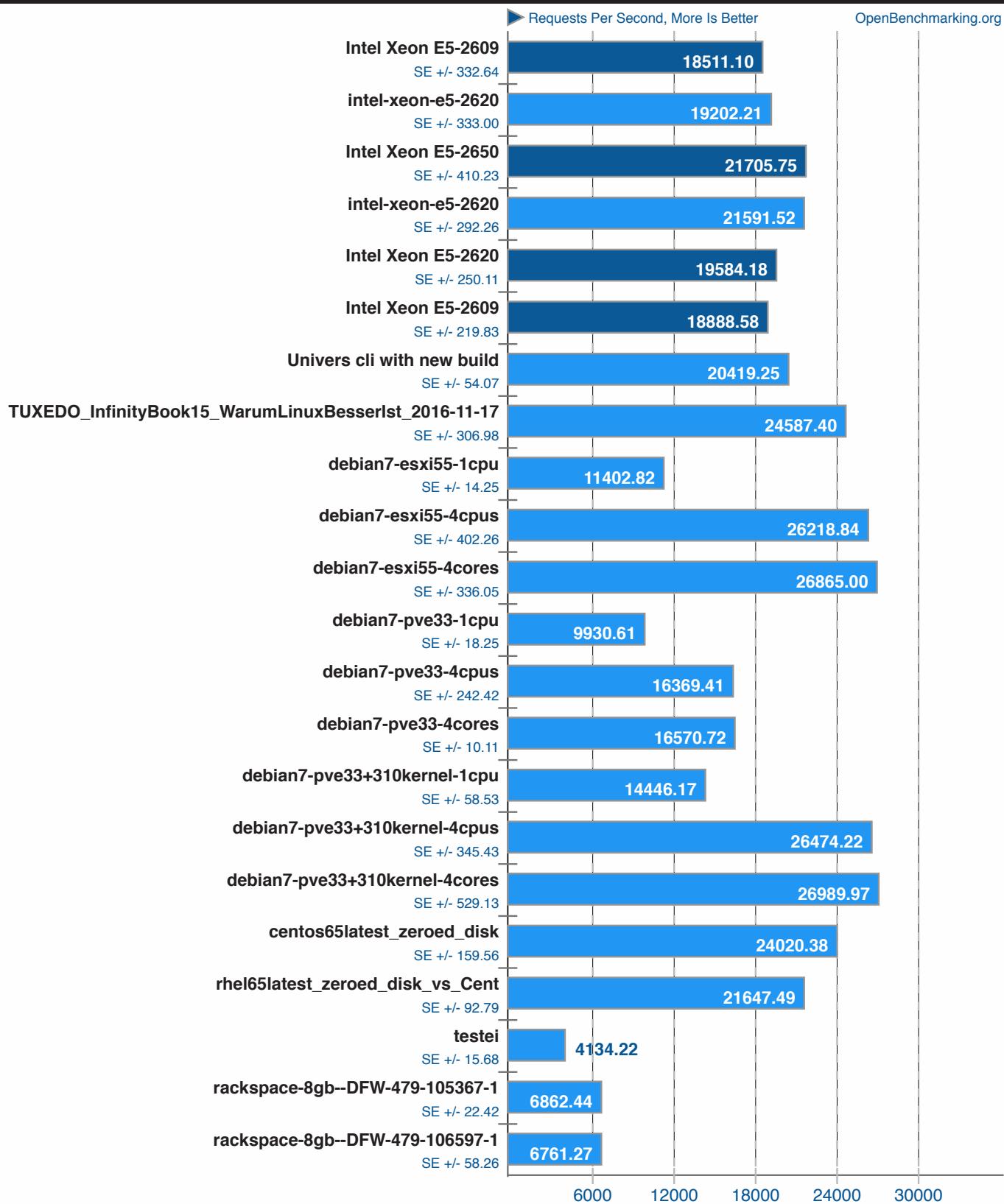


NGINX Benchmark v1.0.11

Static Web Page Serving

ptsli.

OpenBenchmarking.org



1. (CC) gcc options: -fthread -lcrypt -lz

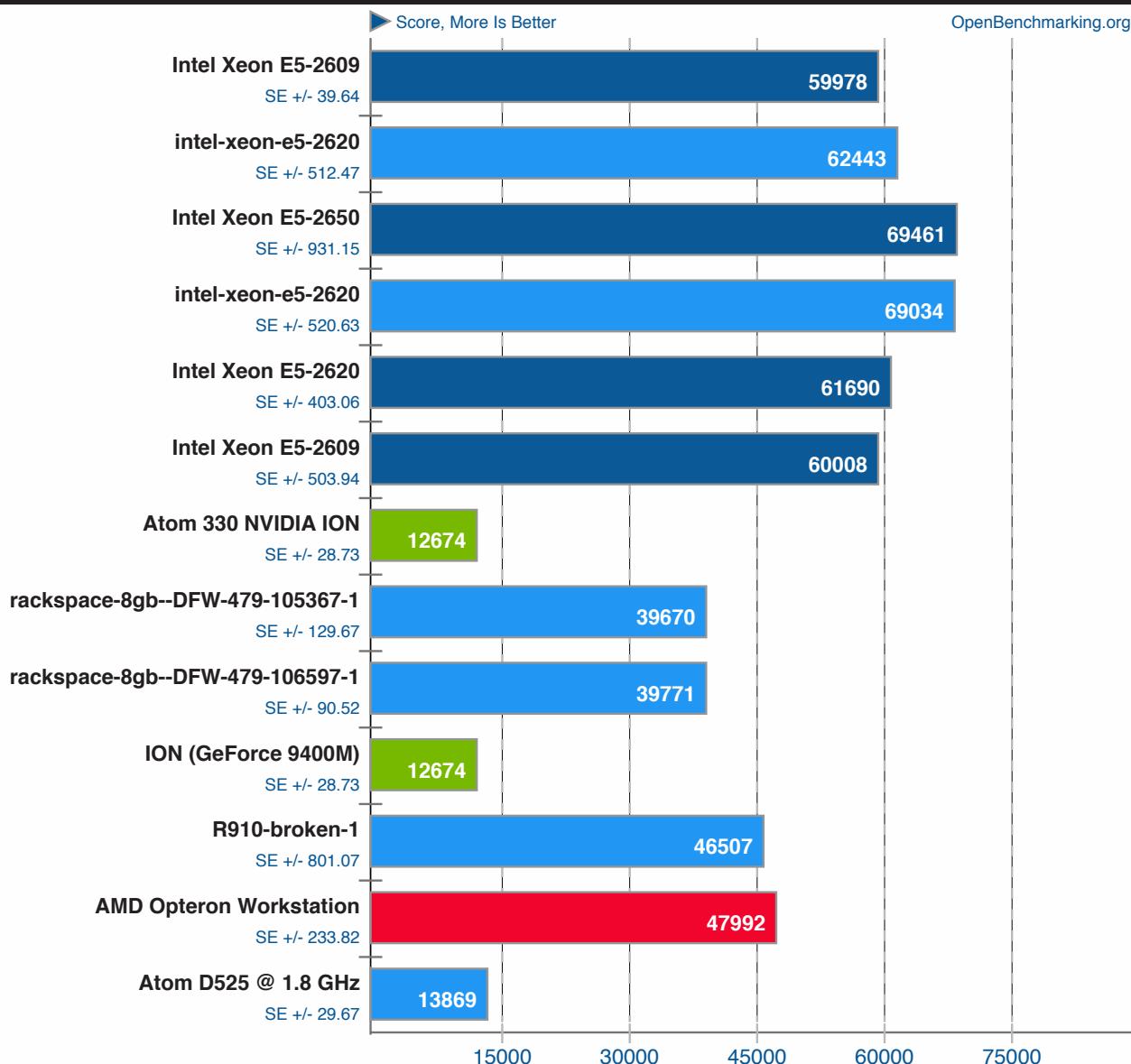
Phoronix Test Suite 7.0.0

PHPBench v0.8.1

PHP Benchmark Suite

ptsli.

OpenBenchmarking.org



Phoronix Test Suite 7.0.0

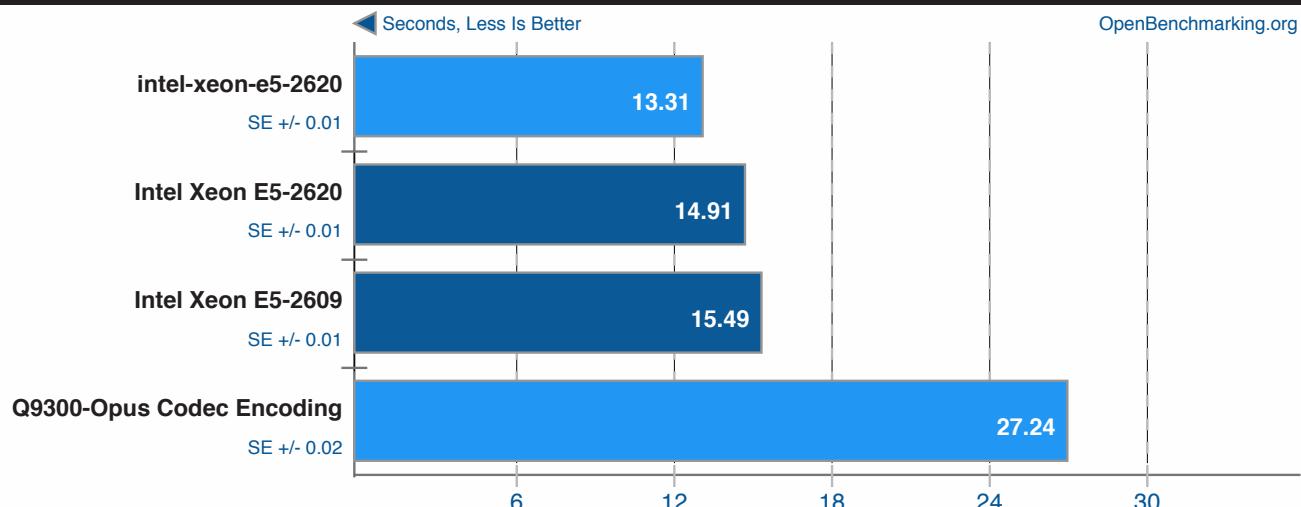


Opus Codec Encoding v1.0.1

WAV, Opus Encode, Opus Decode



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

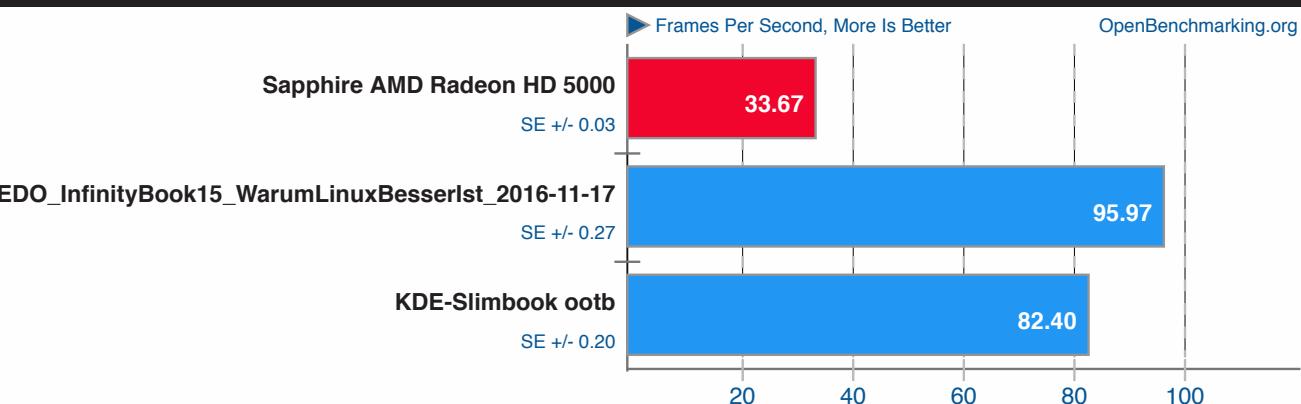
1. (CC) gcc options: -std=gnu99 -O3 -ffast-math -fPIE -pie -logg -lopus -lm

World of Padman v1.2

1920 x 1080



OpenBenchmarking.org



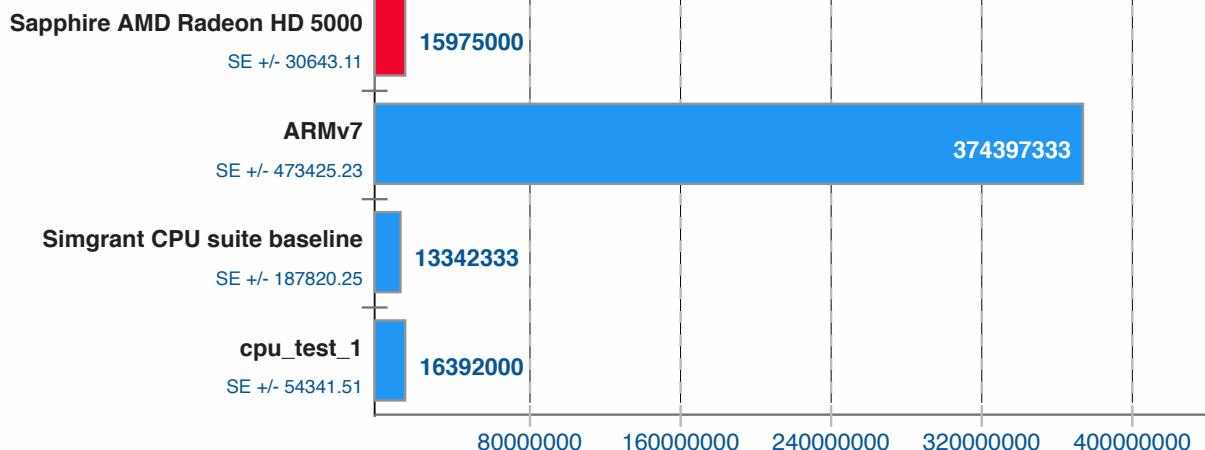
Phoronix Test Suite 7.0.0

John The Ripper v1.8.0

Traditional DES



OpenBenchmarking.org



1. (CC) gcc options: -fopenmp

Phoronix Test Suite 7.0.0

GraphicsMagick v1.3.19

Sharpen



OpenBenchmarking.org



1. (CC) gcc options: -std=gnu99 -fopenmp -O2 -pthread -ljpeg -lxml2 -lz -lm -lgomp -lpthread

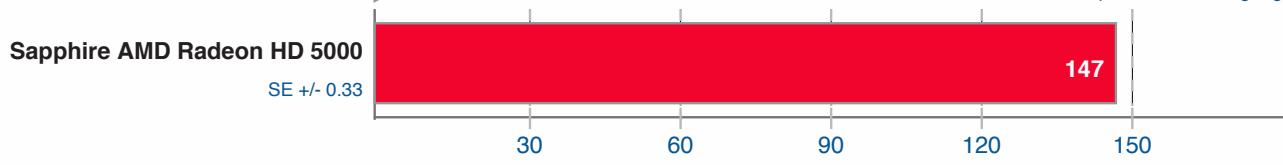
Phoronix Test Suite 7.0.0

GraphicsMagick v1.3.19

Resizing



OpenBenchmarking.org



1. (CC) gcc options: -std=gnu99 -fopenmp -O2 -pthread -ljpeg -lxml2 -lz -lm -lgomp -lpthread

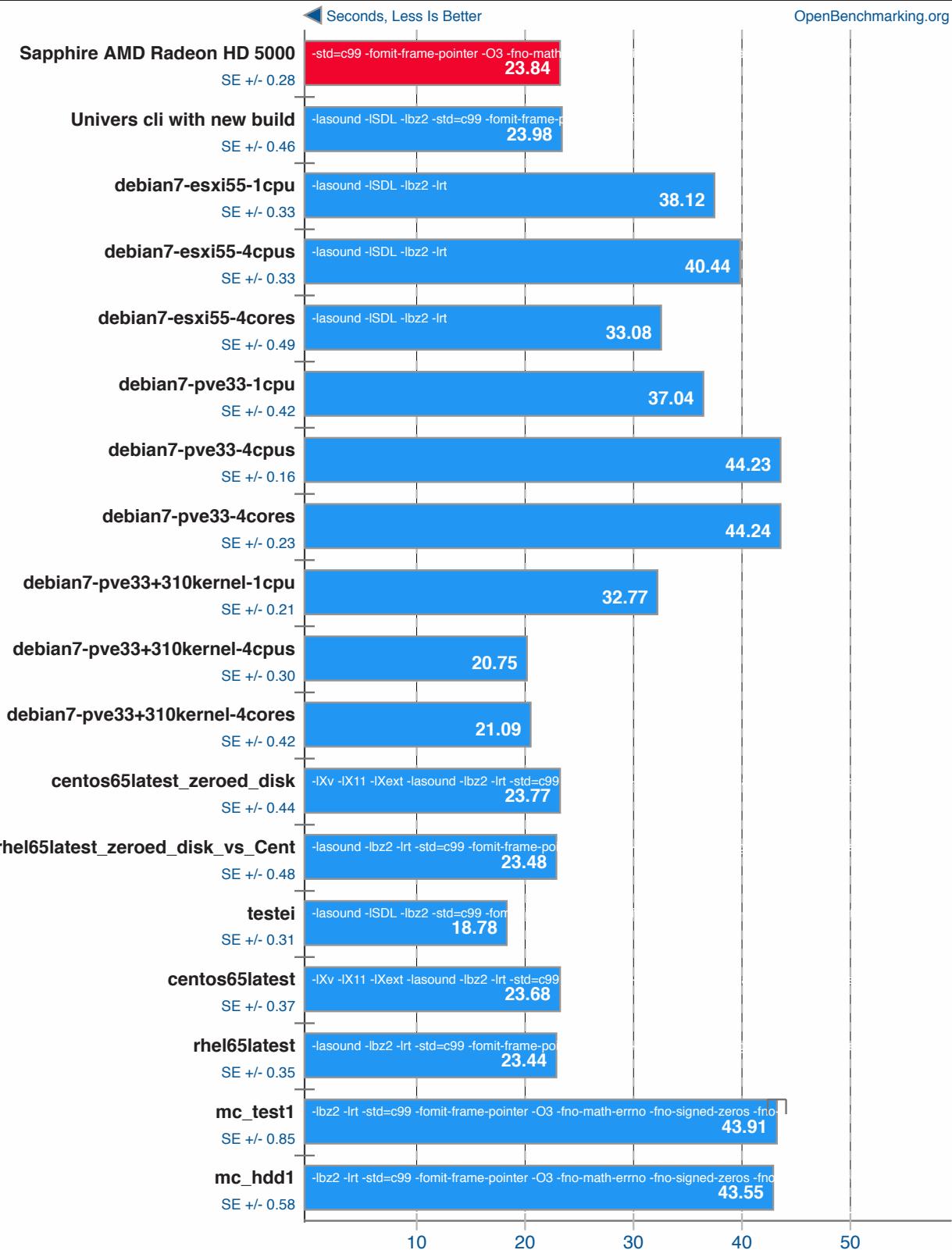
Phoronix Test Suite 7.0.0

FFmpeg v2.1.1

H.264 HD To NTSC DV

ptsli

OpenBenchmarking.org



Phoronix Test Suite 7.0.0

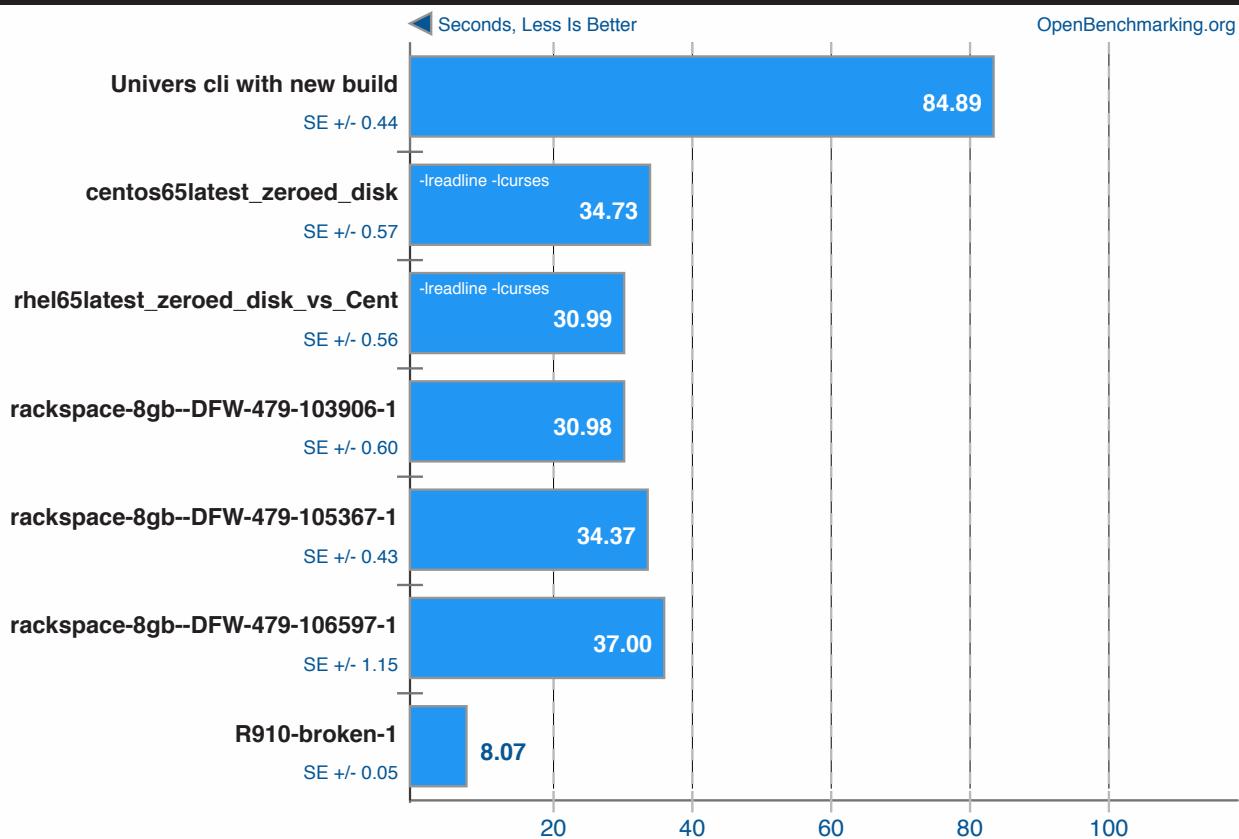
1. (CC) gcc options: -lavdevice -lavfilter -lavformat -lavcodec -lswresample -lwscale -lavutil -ldl -lm -pthread

SQLite v3.7.3

12,500 INSERTs



OpenBenchmarking.org



1. (CC) gcc options: -O2 -ldl -lpthread

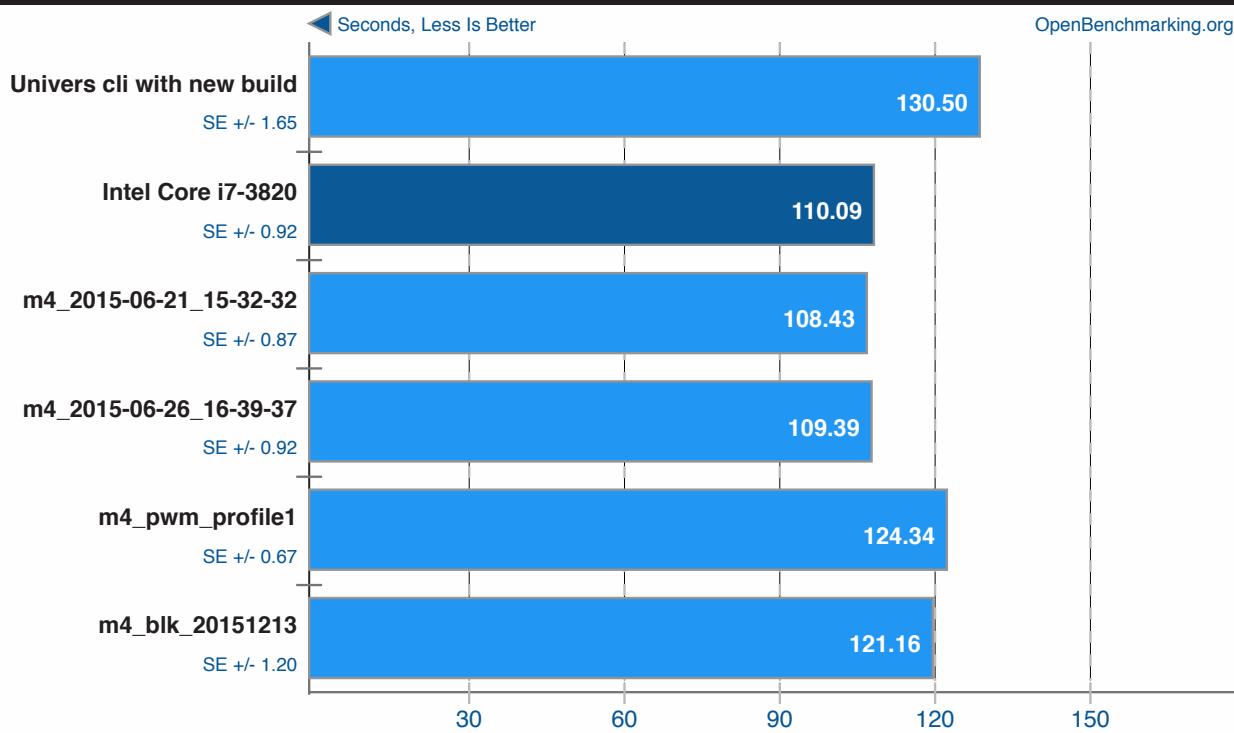
Phoronix Test Suite 7.0.0

Timed Linux Kernel Compilation v3.18-rc6

Time To Compile



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

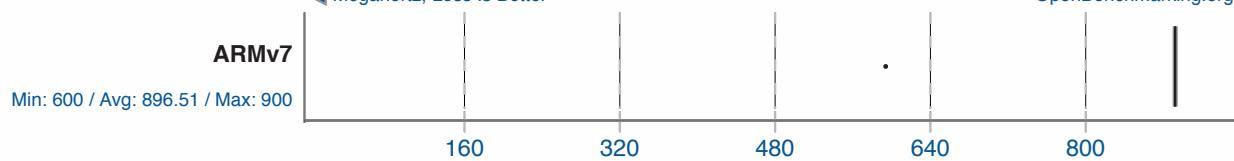
John The Ripper v1.8.0

CPU Frequency (CPU0) Monitor



OpenBenchmarking.org

Megahertz, Less Is Better



Phoronix Test Suite 7.0.0

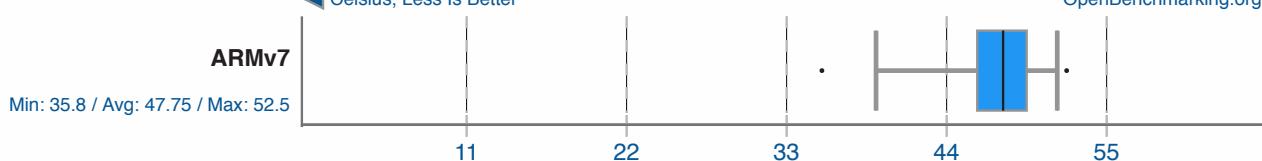
John The Ripper v1.8.0

System Temperature Monitor



OpenBenchmarking.org

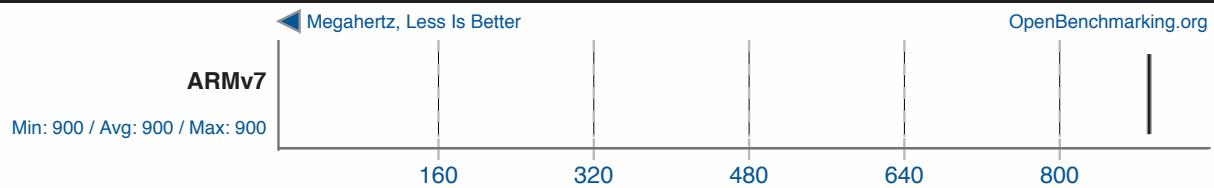
Celsius, Less Is Better



Phoronix Test Suite 7.0.0

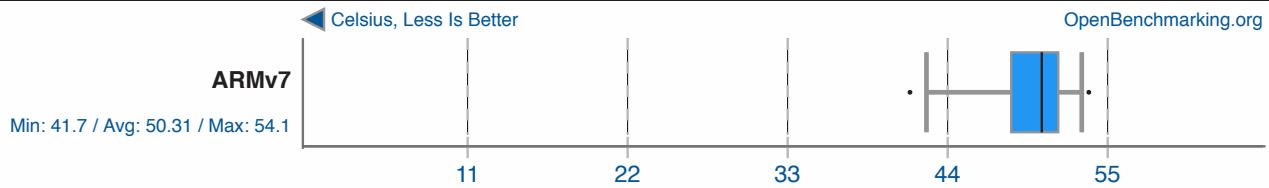
John The Ripper v1.8.0

CPU Frequency (CPU0) Monitor



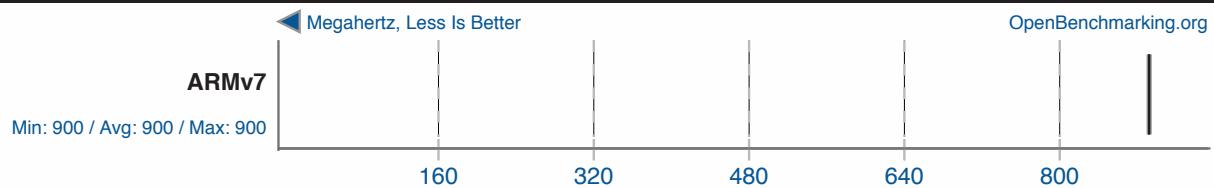
John The Ripper v1.8.0

System Temperature Monitor



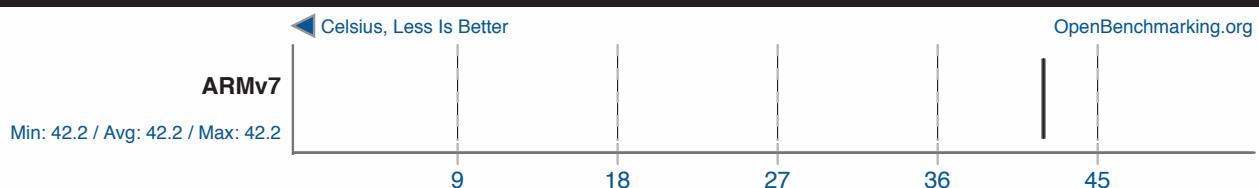
TTSIOD 3D Renderer v2.3a

CPU Frequency (CPU0) Monitor



TTSIOD 3D Renderer v2.3a

System Temperature Monitor

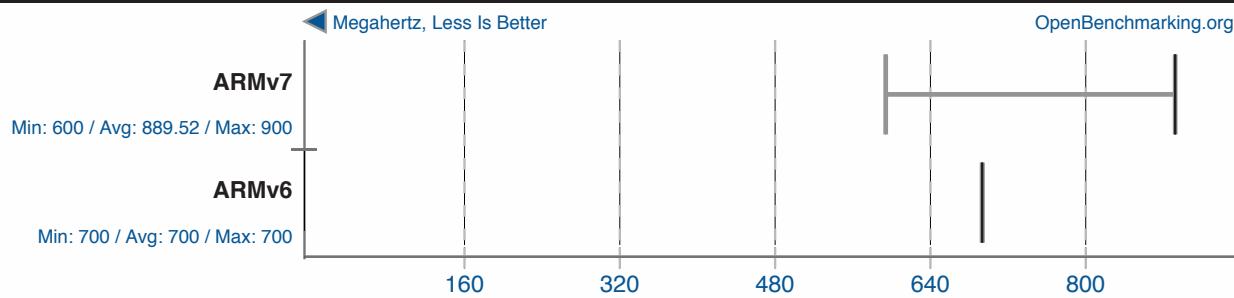


Parallel BZIP2 Compression v1.1.12

CPU Frequency (CPU0) Monitor

ptsli

OpenBenchmarking.org

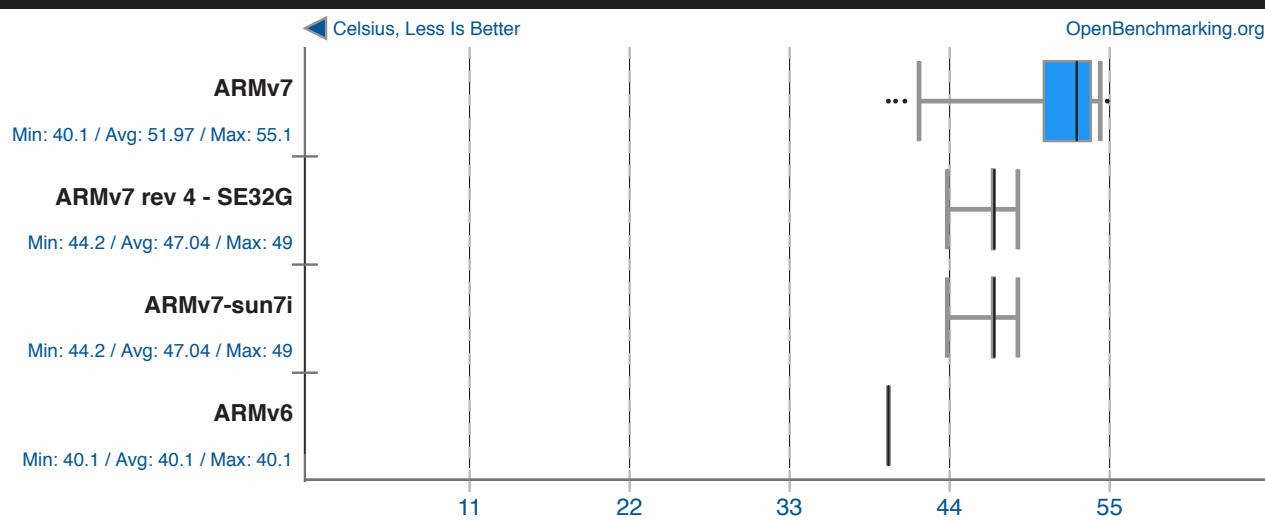


Parallel BZIP2 Compression v1.1.12

System Temperature Monitor

ptsli

OpenBenchmarking.org

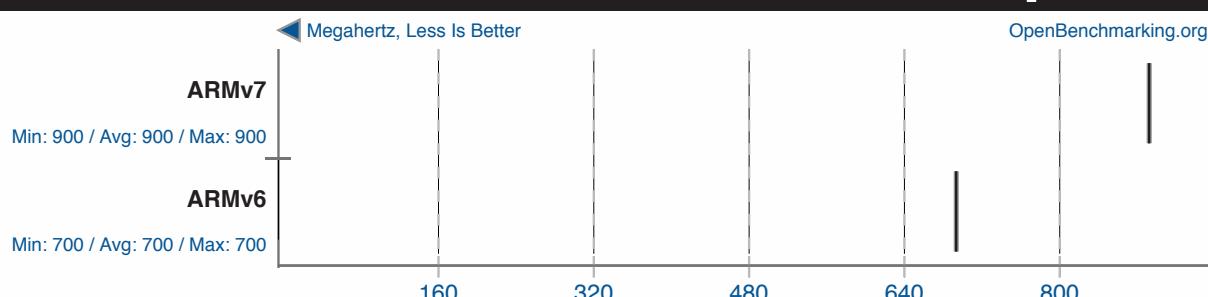


7-Zip Compression v9.20.1

CPU Frequency (CPU0) Monitor

ptsli

OpenBenchmarking.org



7-Zip Compression v9.20.1

System Temperature Monitor

ptsli

◀ Celsius, Less Is Better

OpenBenchmarking.org

ARMv7

Min: 44.4 / Avg: 51.97 / Max: 54.1

ARMv7 rev 4 - SE32G

Min: 47.4 / Avg: 51.24 / Max: 53.8

ARMv7-sun7i

Min: 47.4 / Avg: 51.24 / Max: 53.8

ARMv6

Min: 39 / Avg: 41.47 / Max: 42.2

11

22

33

44

55



Phoronix Test Suite 7.0.0

LAME MP3 Encoding v3.99.3

CPU Frequency (CPU0) Monitor

ptsli

◀ Megahertz, Less Is Better

OpenBenchmarking.org

ARMv7

Min: 900 / Avg: 900 / Max: 900

ARMv6

Min: 700 / Avg: 700 / Max: 700

160

320

480

640

800



Phoronix Test Suite 7.0.0

LAME MP3 Encoding v3.99.3

System Temperature Monitor

ptsli

◀ Celsius, Less Is Better

OpenBenchmarking.org

ARMv7

Min: 42.2 / Avg: 43.24 / Max: 46.5

ARMv7 rev 4 - SE32G

Min: 49 / Avg: 50.09 / Max: 50.6

ARMv7-sun7i

Min: 49 / Avg: 50.09 / Max: 50.6

ARMv6

Min: 40.6 / Avg: 41.56 / Max: 42.8

10

20

30

40

50



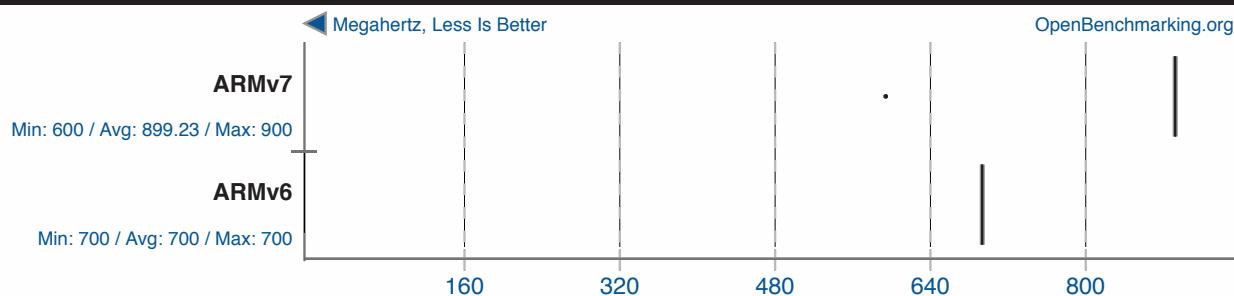
Phoronix Test Suite 7.0.0

FLAC Audio Encoding v1.3.1

CPU Frequency (CPU0) Monitor



OpenBenchmarking.org



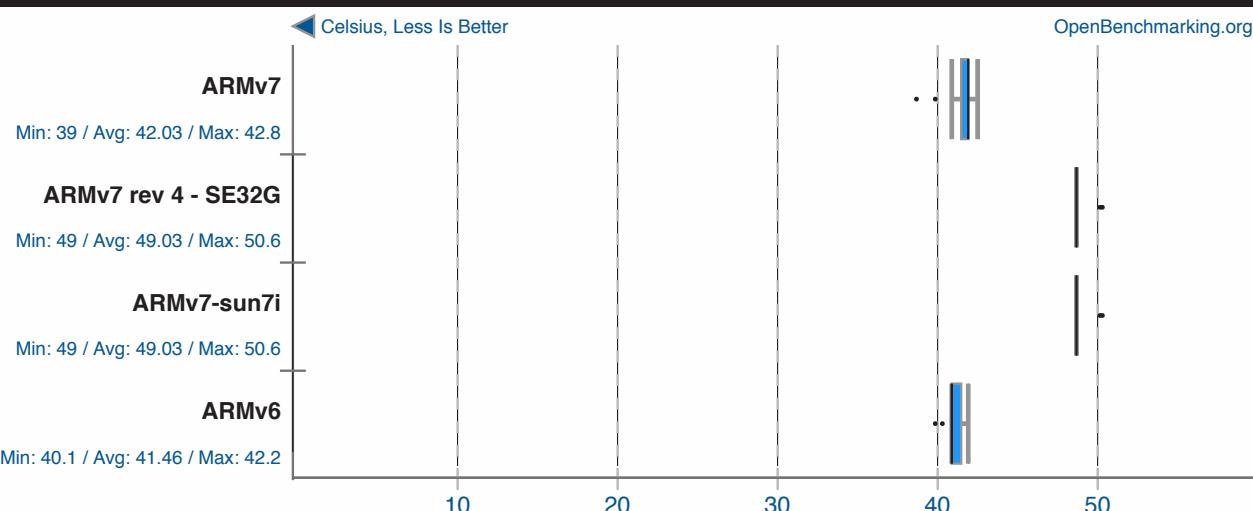
Phoronix Test Suite 7.0.0

FLAC Audio Encoding v1.3.1

System Temperature Monitor



OpenBenchmarking.org



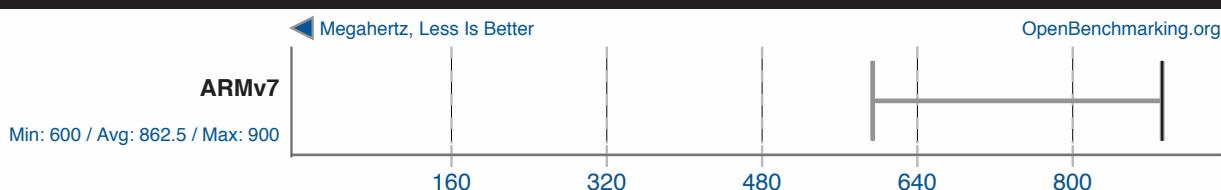
Phoronix Test Suite 7.0.0

x264 v2015-11-02

CPU Frequency (CPU0) Monitor



OpenBenchmarking.org



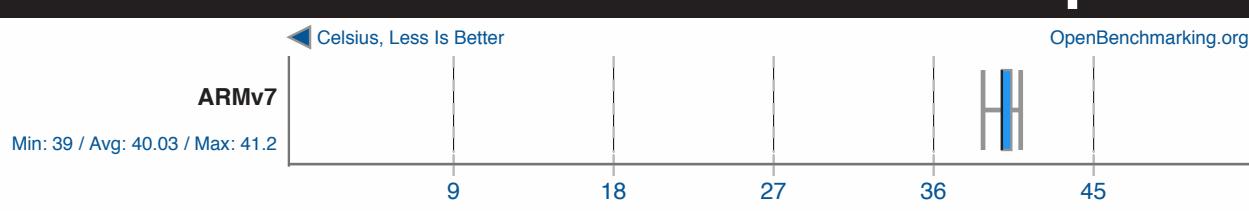
Phoronix Test Suite 7.0.0

x264 v2015-11-02

System Temperature Monitor



OpenBenchmarking.org



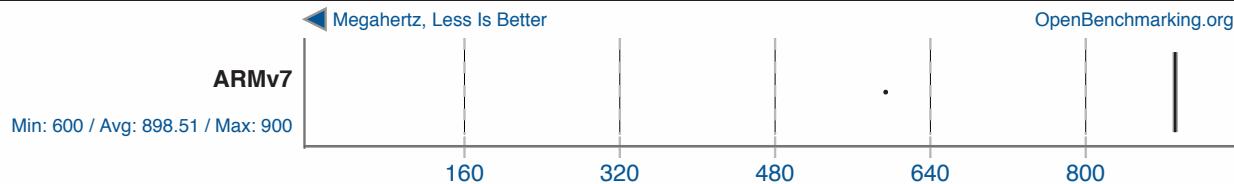
Phoronix Test Suite 7.0.0

FFmpeg v2.8.1

CPU Frequency (CPU0) Monitor

ptsli

OpenBenchmarking.org

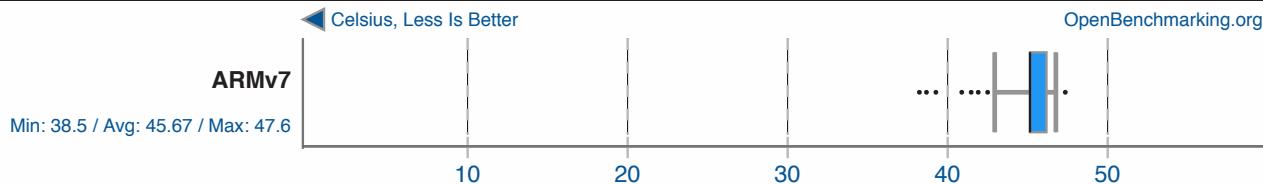


FFmpeg v2.8.1

System Temperature Monitor

ptsli

OpenBenchmarking.org

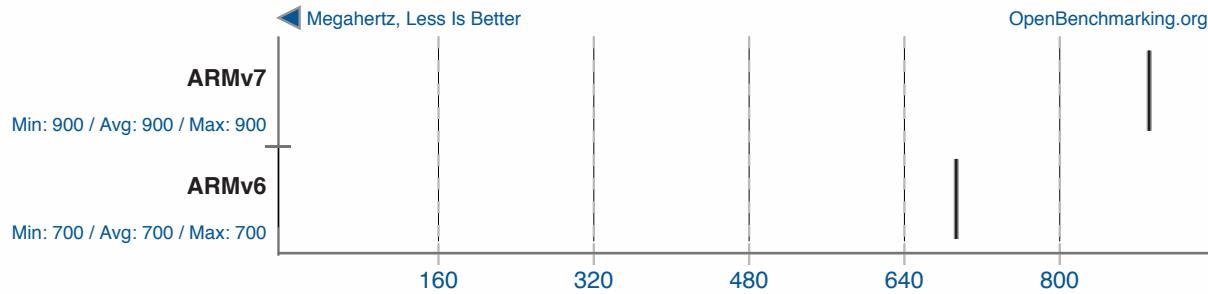


Gcrypt Library v1.4.4

CPU Frequency (CPU0) Monitor

ptsli

OpenBenchmarking.org

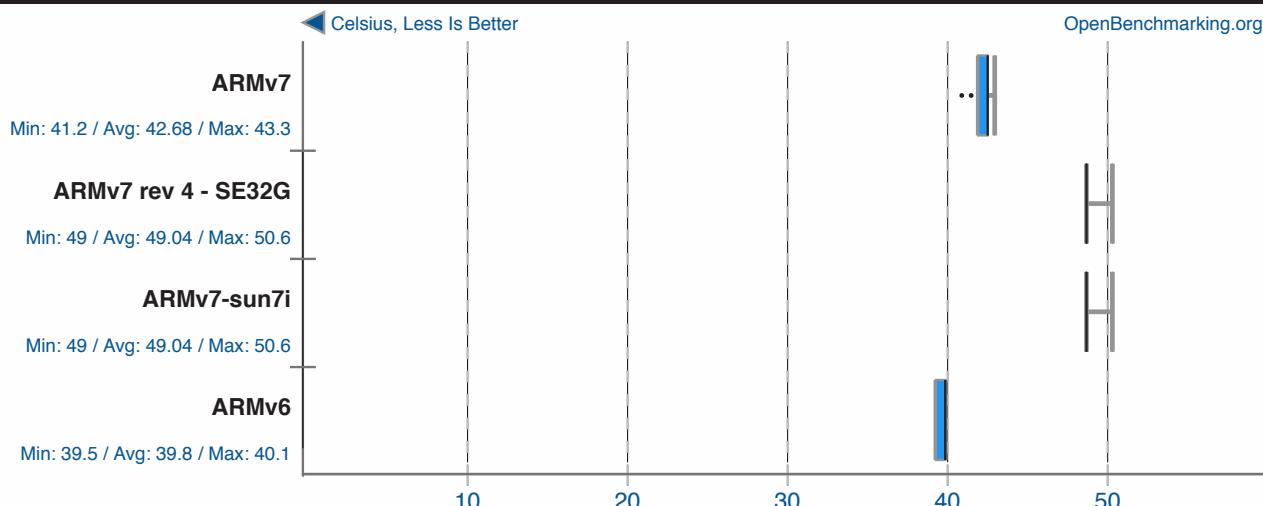


Gcrypt Library v1.4.4

System Temperature Monitor

ptsli

OpenBenchmarking.org

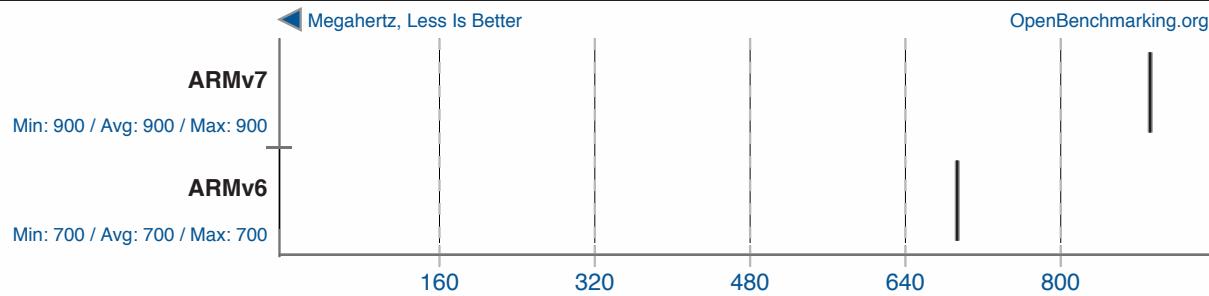


Himeno Benchmark v3.0

CPU Frequency (CPU0) Monitor



OpenBenchmarking.org



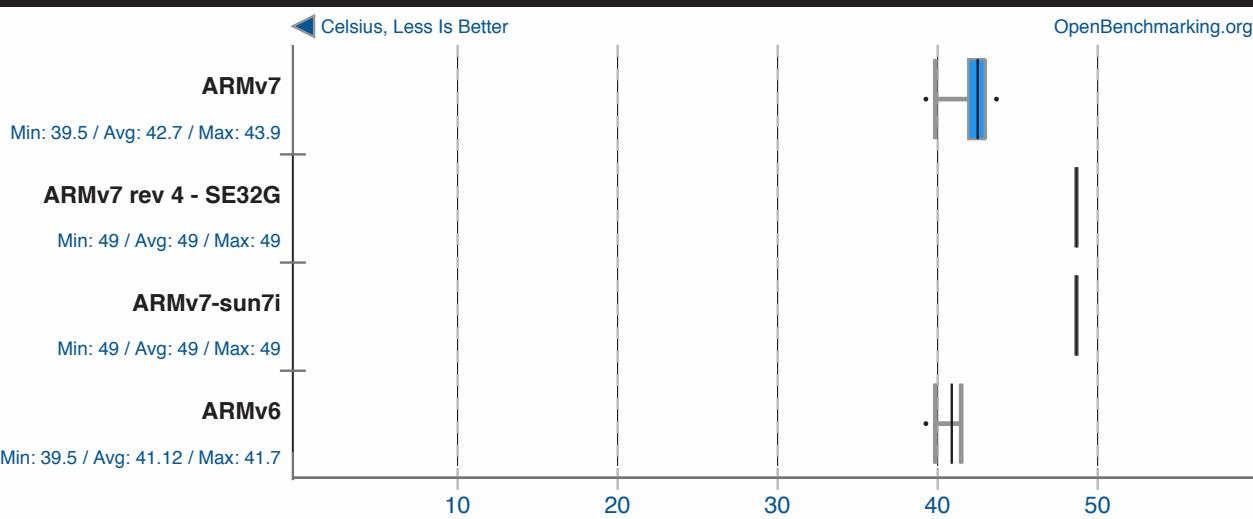
Phoronix Test Suite 7.0.0

Himeno Benchmark v3.0

System Temperature Monitor



OpenBenchmarking.org



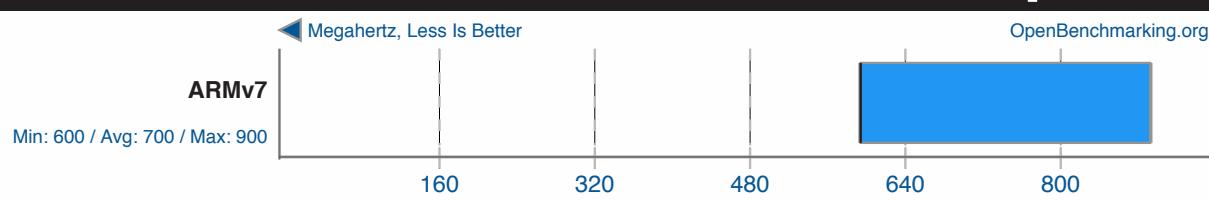
Phoronix Test Suite 7.0.0

PostgreSQL pgbench v9.4.3

CPU Frequency (CPU0) Monitor



OpenBenchmarking.org



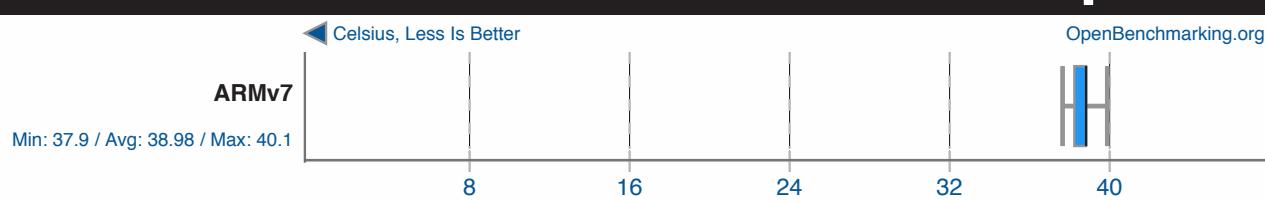
Phoronix Test Suite 7.0.0

PostgreSQL pgbench v9.4.3

System Temperature Monitor



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

Apache Benchmark v2.4.7

CPU Frequency (CPU0) Monitor

ptsli

OpenBenchmarking.org

Megahertz, Less Is Better

ARMv7

Min: 600 / Avg: 899.61 / Max: 900

160 320 480 640 800

Phoronix Test Suite 7.0.0

Apache Benchmark v2.4.7

System Temperature Monitor

ptsli

OpenBenchmarking.org

ARMv7

Min: 38.5 / Avg: 50.43 / Max: 51.9

10 20 30 40 50

Phoronix Test Suite 7.0.0

C-Ray v1.1

CPU Frequency (CPU0) Monitor

ptsli

OpenBenchmarking.org

Megahertz, Less Is Better

ARMv7

Min: 900 / Avg: 900 / Max: 900

ARMv6

Min: 700 / Avg: 700 / Max: 700

160 320 480 640 800

Phoronix Test Suite 7.0.0

C-Ray v1.1

System Temperature Monitor

ptsli

OpenBenchmarking.org

Celsius, Less Is Better

ARMv7

Min: 42.8 / Avg: 52.84 / Max: 53.5

ARMv7 rev 4 - SE32G

Min: 47.4 / Avg: 54.29 / Max: 55.4

ARMv7-sun7i

Min: 47.4 / Avg: 54.29 / Max: 55.4

ARMv6

Min: 39 / Avg: 40.26 / Max: 41.2

11 22 33 44 55

Phoronix Test Suite 7.0.0

Smallpt v1.0

CPU Frequency (CPU0) Monitor



OpenBenchmarking.org

◀ Megahertz, Less Is Better

ARMv7

Min: 600 / Avg: 899.91 / Max: 900

160 320 480 640 800

Phoronix Test Suite 7.0.0

Smallpt v1.0

System Temperature Monitor



OpenBenchmarking.org

◀ Celsius, Less Is Better

ARMv7

Min: 43.3 / Avg: 54.2 / Max: 55.1

ARMv7 rev 4 - SE32G

Min: 52.2 / Avg: 54.1 / Max: 55.4

ARMv7-sun7i

Min: 52.2 / Avg: 54.1 / Max: 55.4

11 22 33 44 55

Phoronix Test Suite 7.0.0

Tachyon v0.98.9

CPU Frequency (CPU0) Monitor



OpenBenchmarking.org

◀ Megahertz, Less Is Better

ARMv7

Min: 600 / Avg: 600 / Max: 600

110 220 330 440 550

Phoronix Test Suite 7.0.0

Tachyon v0.98.9

System Temperature Monitor



OpenBenchmarking.org

◀ Celsius, Less Is Better

ARMv7

Min: 43.3 / Avg: 43.85 / Max: 44.4

ARMv7 rev 4 - SE32G

Min: 50.6 / Avg: 50.6 / Max: 50.6

ARMv7-sun7i

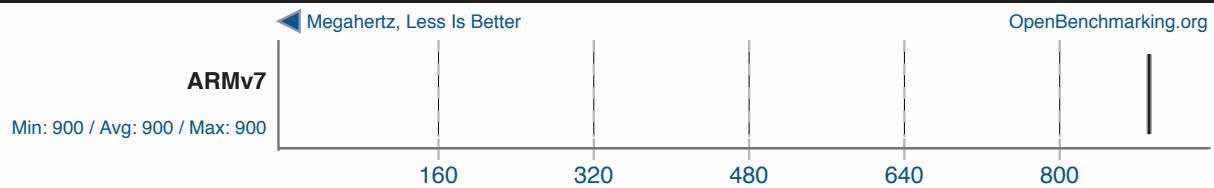
Min: 50.6 / Avg: 50.6 / Max: 50.6

10 20 30 40 50

Phoronix Test Suite 7.0.0

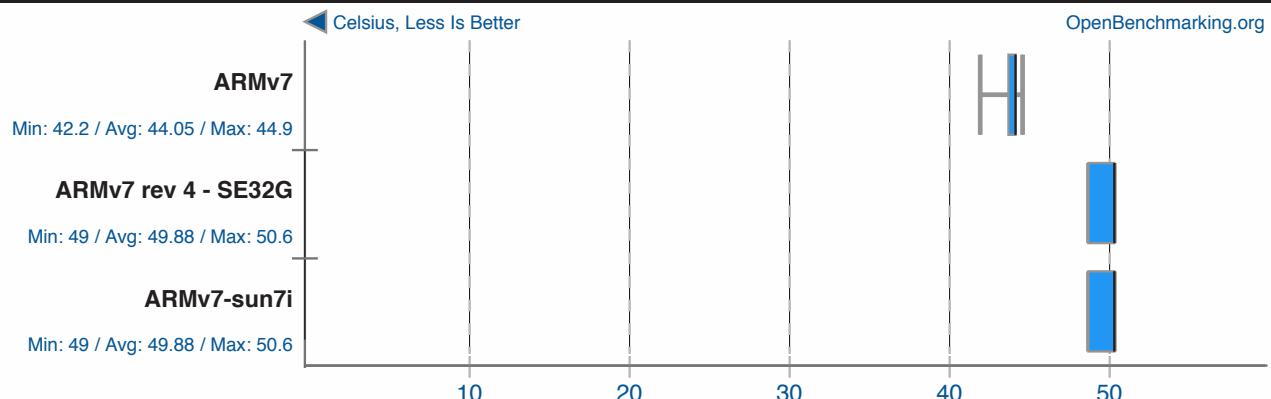
TSCP v1.81

CPU Frequency (CPU0) Monitor



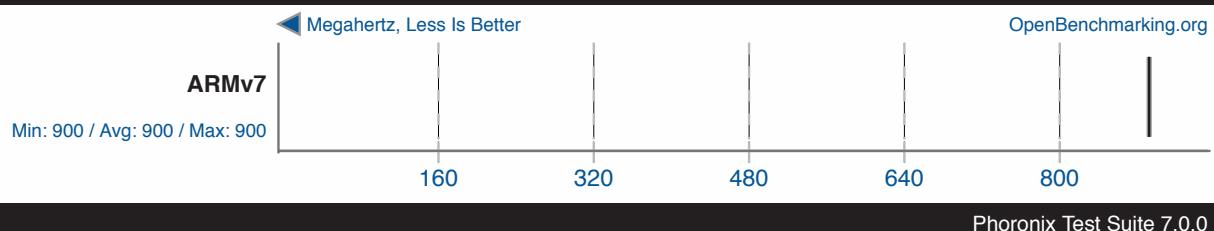
TSCP v1.81

System Temperature Monitor



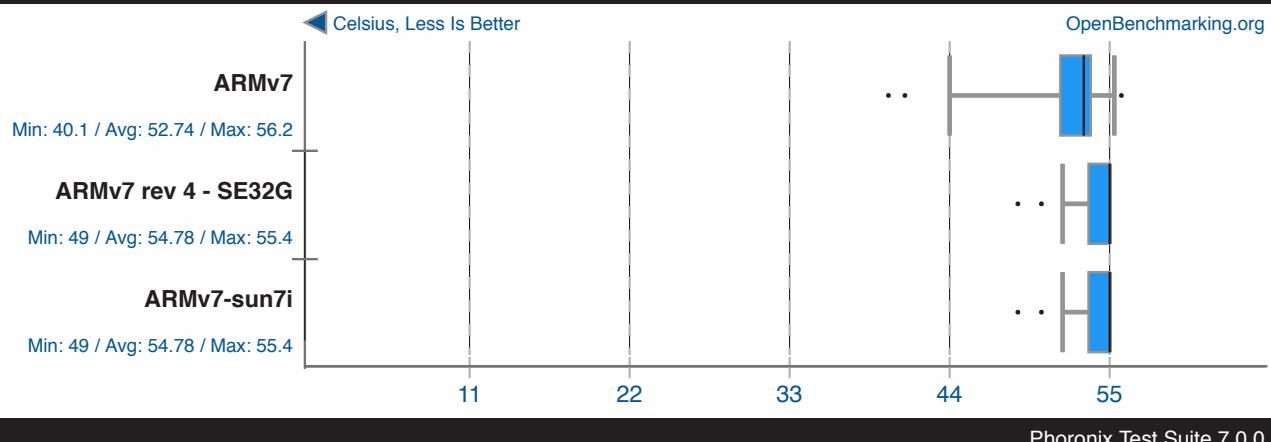
Timed MAFFT Alignment v6.864

CPU Frequency (CPU0) Monitor



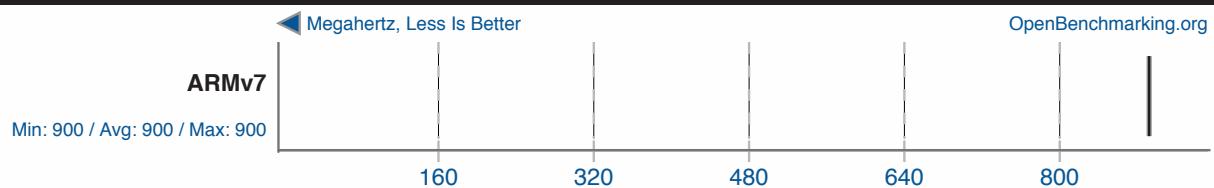
Timed MAFFT Alignment v6.864

System Temperature Monitor



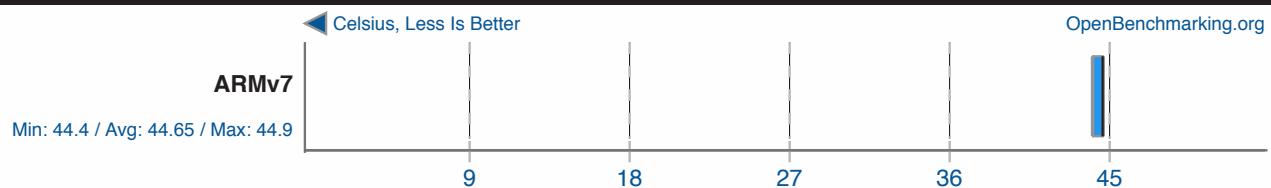
NAS Parallel Benchmarks v3.3

CPU Frequency (CPU0) Monitor



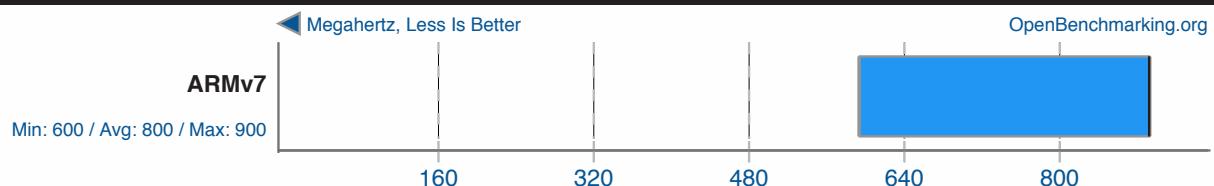
NAS Parallel Benchmarks v3.3

System Temperature Monitor



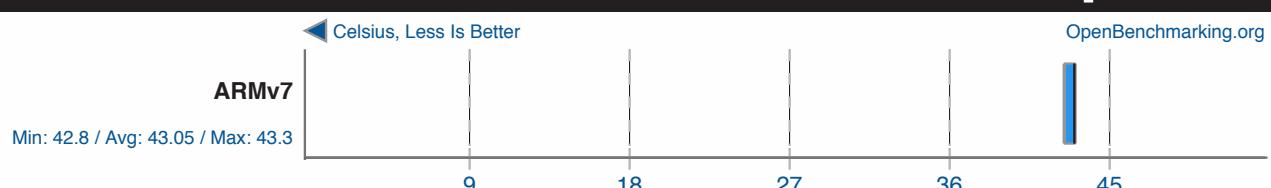
NAS Parallel Benchmarks v3.3

CPU Frequency (CPU0) Monitor



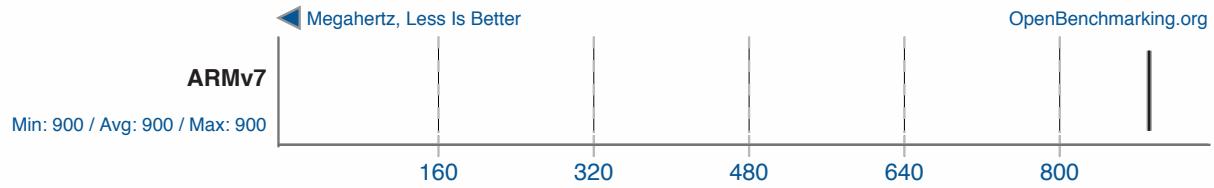
NAS Parallel Benchmarks v3.3

System Temperature Monitor



NAS Parallel Benchmarks v3.3

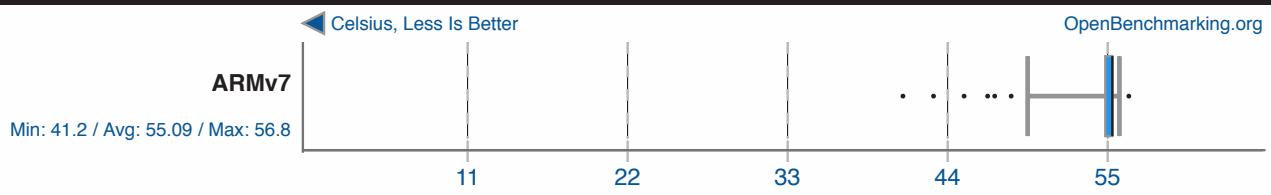
CPU Frequency (CPU0) Monitor



NAS Parallel Benchmarks v3.3

System Temperature Monitor

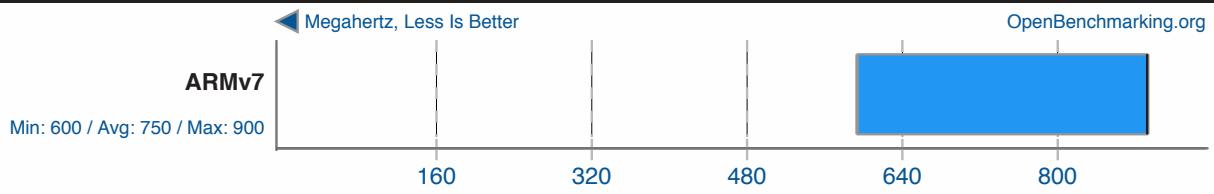
ptsli



NAS Parallel Benchmarks v3.3

CPU Frequency (CPU0) Monitor

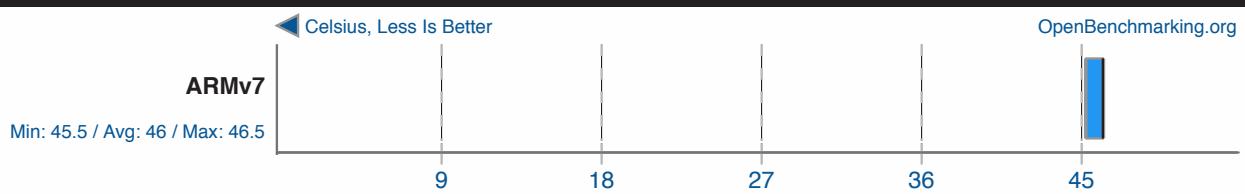
ptsli



NAS Parallel Benchmarks v3.3

System Temperature Monitor

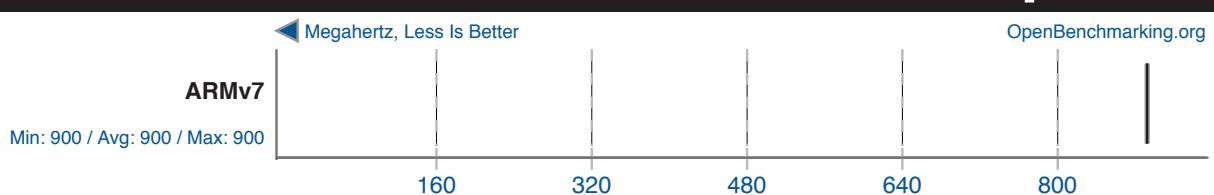
ptsli



NAS Parallel Benchmarks v3.3

CPU Frequency (CPU0) Monitor

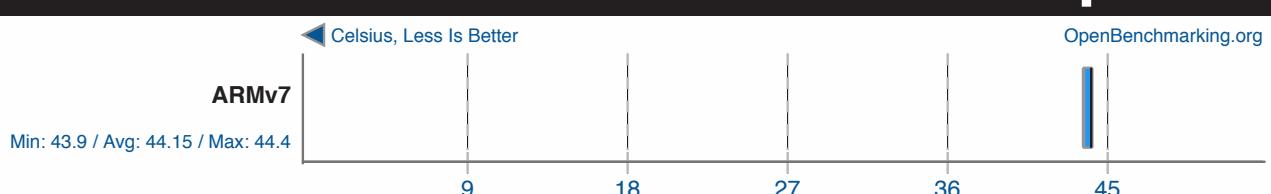
ptsli



NAS Parallel Benchmarks v3.3

System Temperature Monitor

ptsli

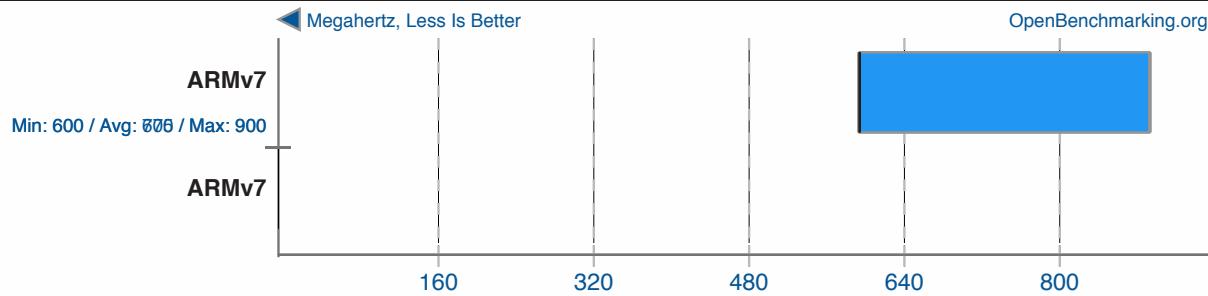


Stream v2013-01-17

CPU Frequency (CPU0) Monitor

ptsli

OpenBenchmarking.org



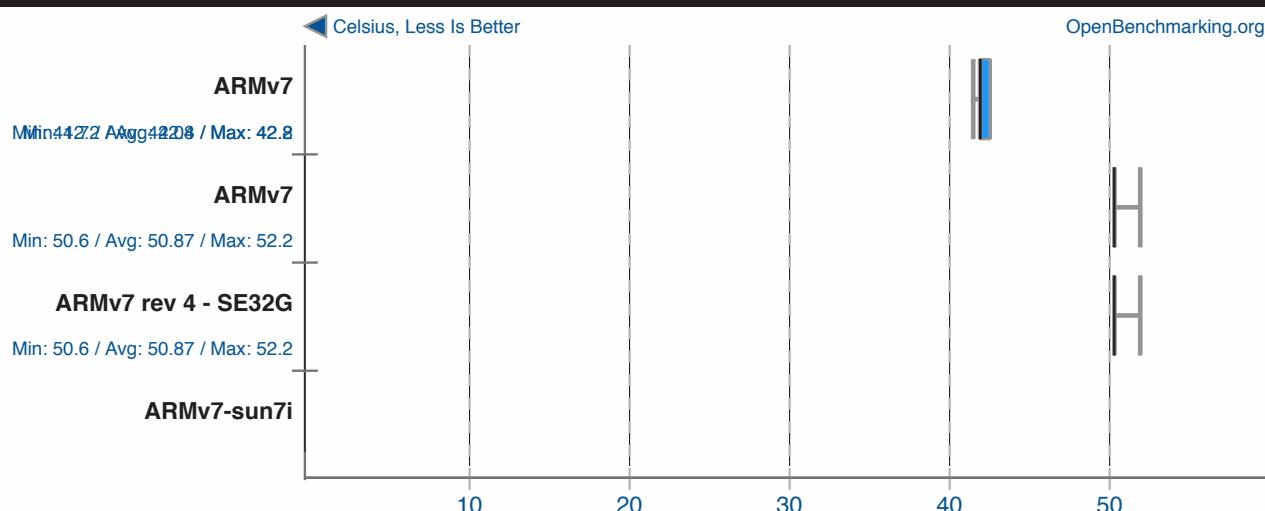
Phoronix Test Suite 7.0.0

Stream v2013-01-17

System Temperature Monitor

ptsli

OpenBenchmarking.org



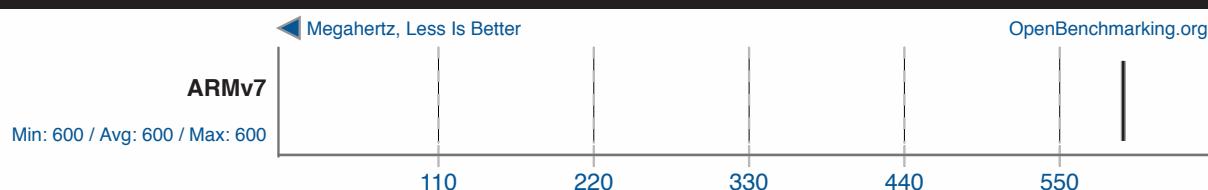
Phoronix Test Suite 7.0.0

Stream v2013-01-17

CPU Frequency (CPU0) Monitor

ptsli

OpenBenchmarking.org



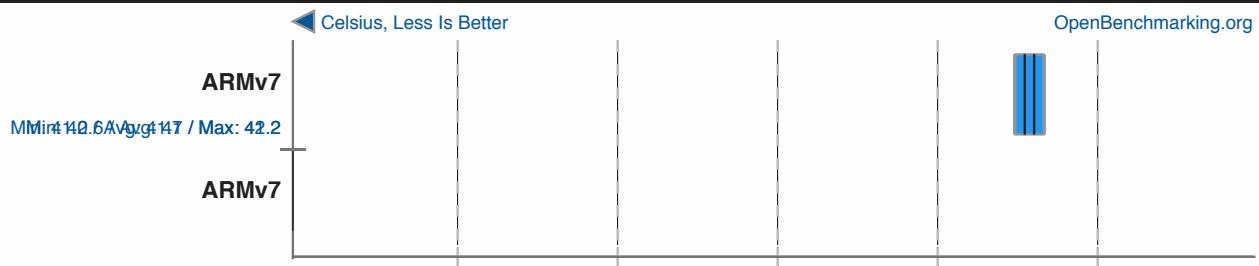
Phoronix Test Suite 7.0.0

Stream v2013-01-17

System Temperature Monitor

ptsli

OpenBenchmarking.org



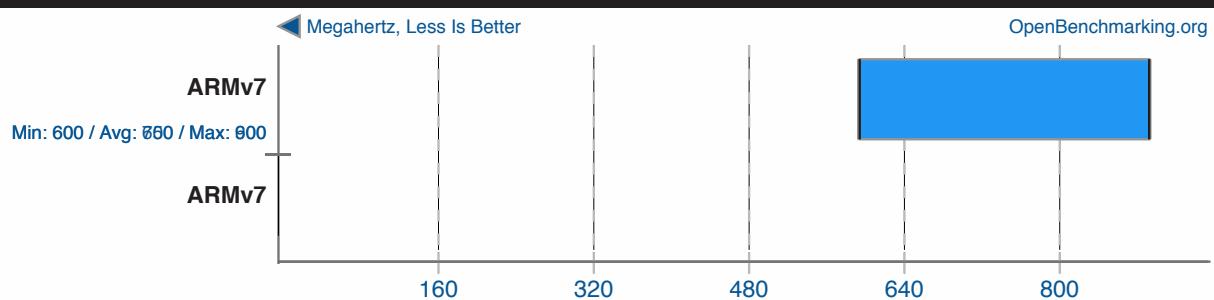
Phoronix Test Suite 7.0.0

Stream v2013-01-17

CPU Frequency (CPU0) Monitor

ptsli

OpenBenchmarking.org



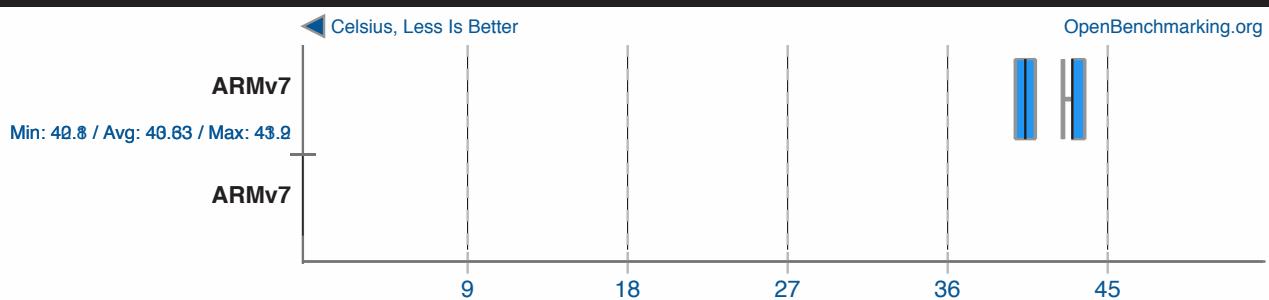
Phoronix Test Suite 7.0.0

Stream v2013-01-17

System Temperature Monitor

ptsli

OpenBenchmarking.org



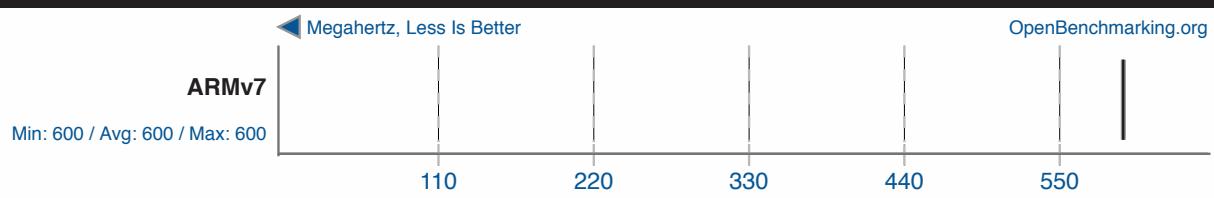
Phoronix Test Suite 7.0.0

Stream v2013-01-17

CPU Frequency (CPU0) Monitor

ptsli

OpenBenchmarking.org

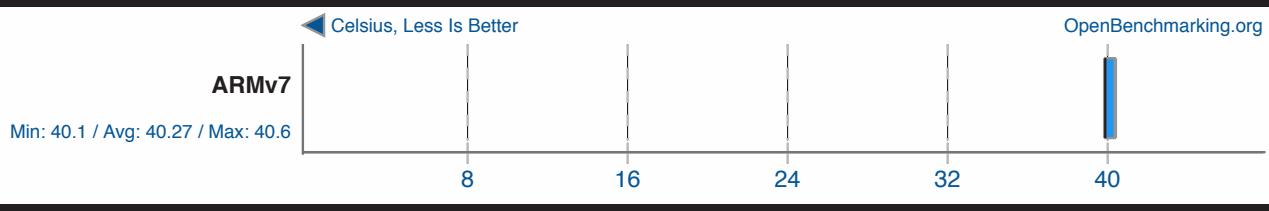


Phoronix Test Suite 7.0.0

Stream v2013-01-17

System Temperature Monitor

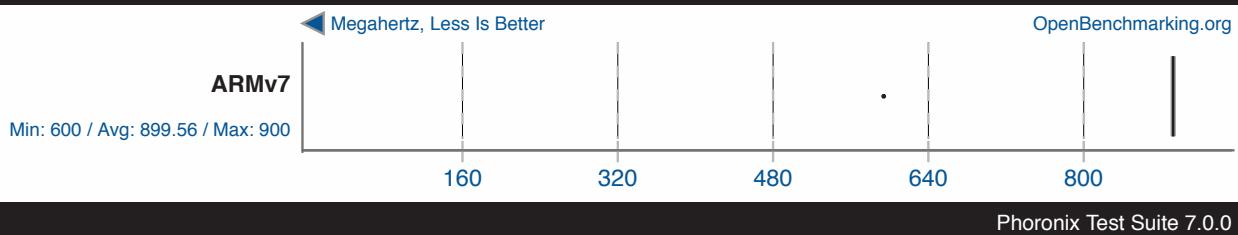
ptsli



Mencoder v1.1

CPU Frequency (CPU0) Monitor

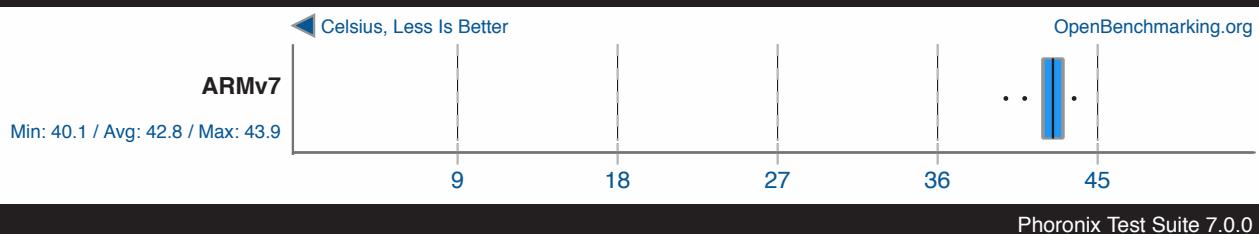
ptsli



Mencoder v1.1

System Temperature Monitor

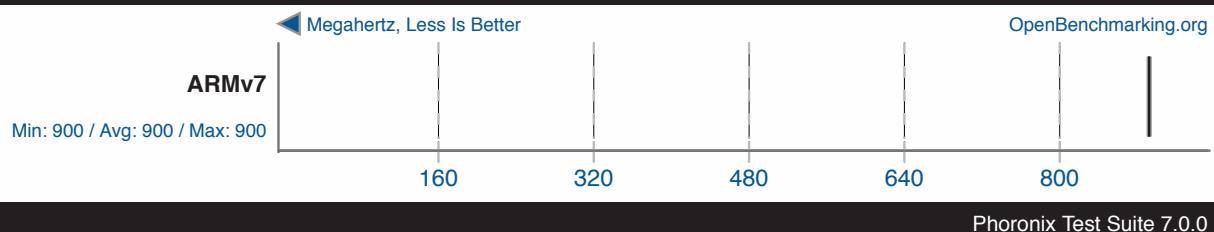
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Sunflow Rendering System v0.07.2

CPU Frequency (CPU0) Monitor

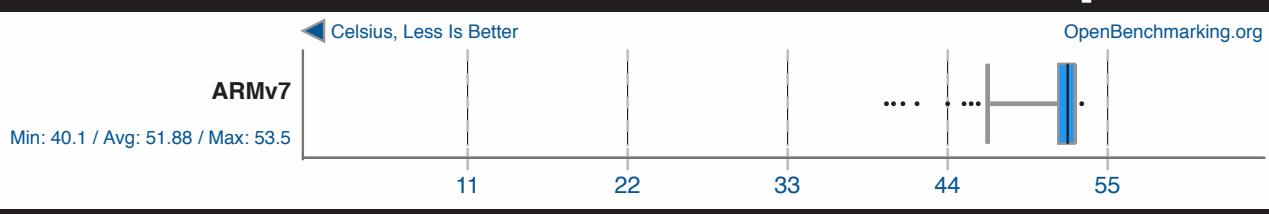
ptsli



Sunflow Rendering System v0.07.2

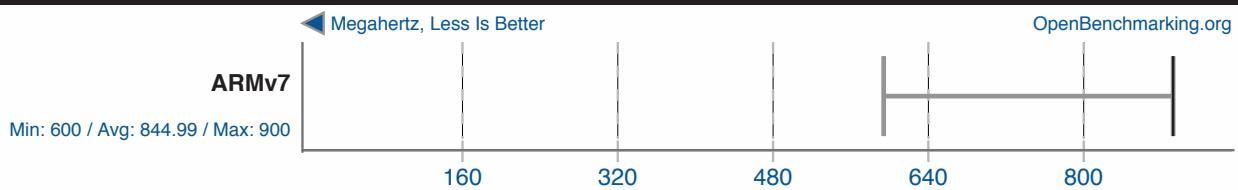
System Temperature Monitor

ptsli



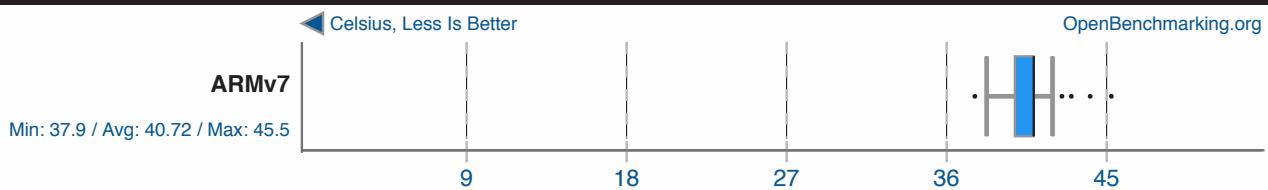
Bork File Encrypter v1.4

CPU Frequency (CPU0) Monitor



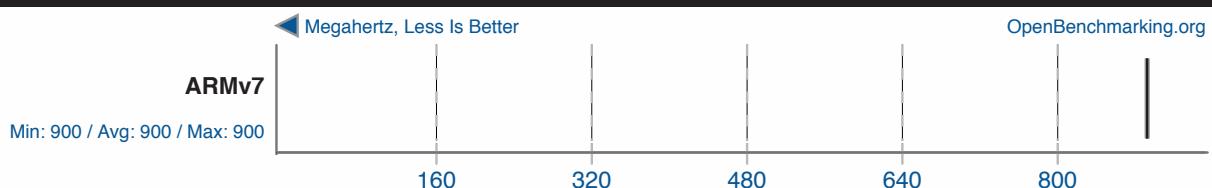
Bork File Encrypter v1.4

System Temperature Monitor



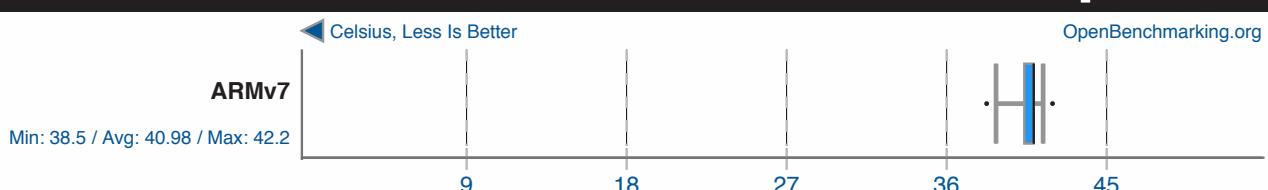
Java SciMark v2.0

CPU Frequency (CPU0) Monitor



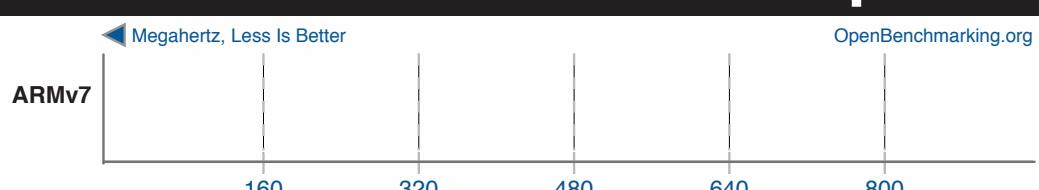
Java SciMark v2.0

System Temperature Monitor



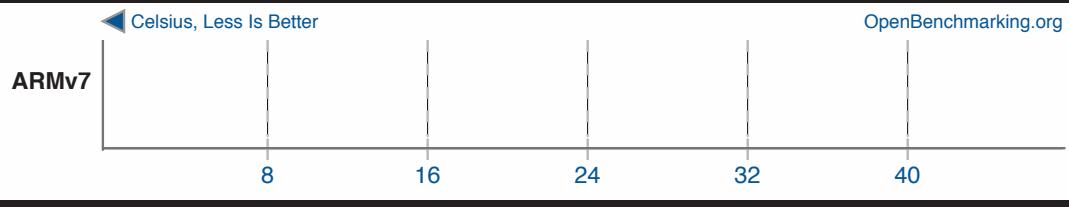
Java SciMark v2.0

CPU Frequency (CPU0) Monitor



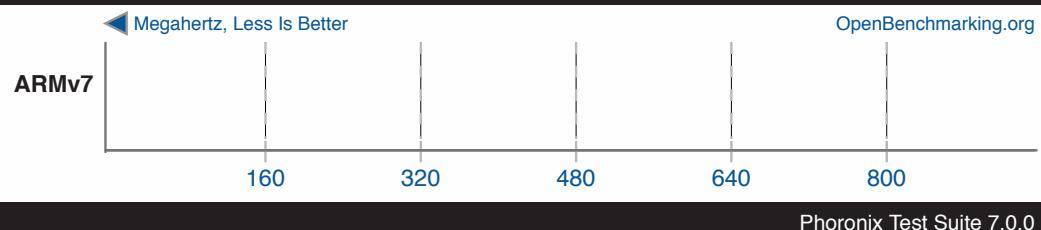
Java SciMark v2.0

System Temperature Monitor



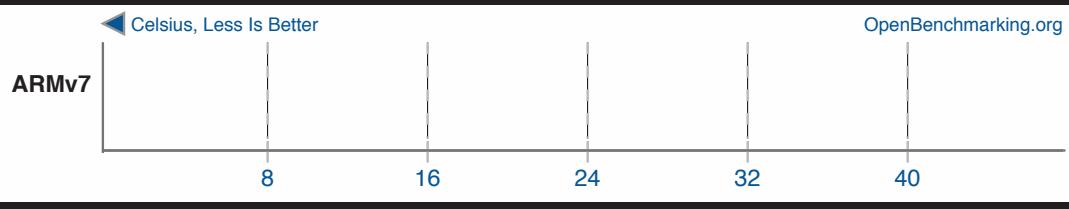
Java SciMark v2.0

CPU Frequency (CPU0) Monitor



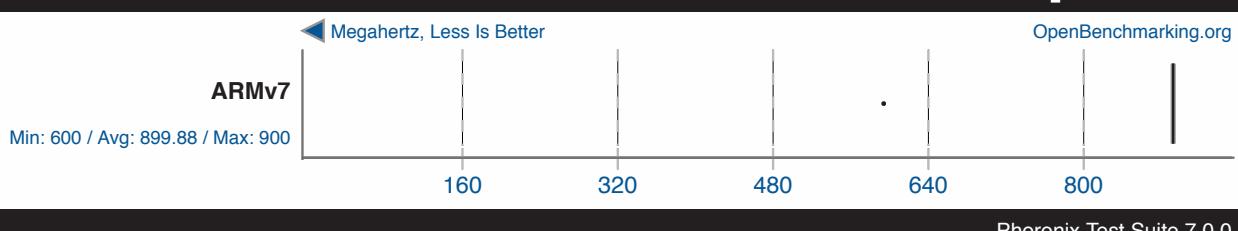
Java SciMark v2.0

System Temperature Monitor



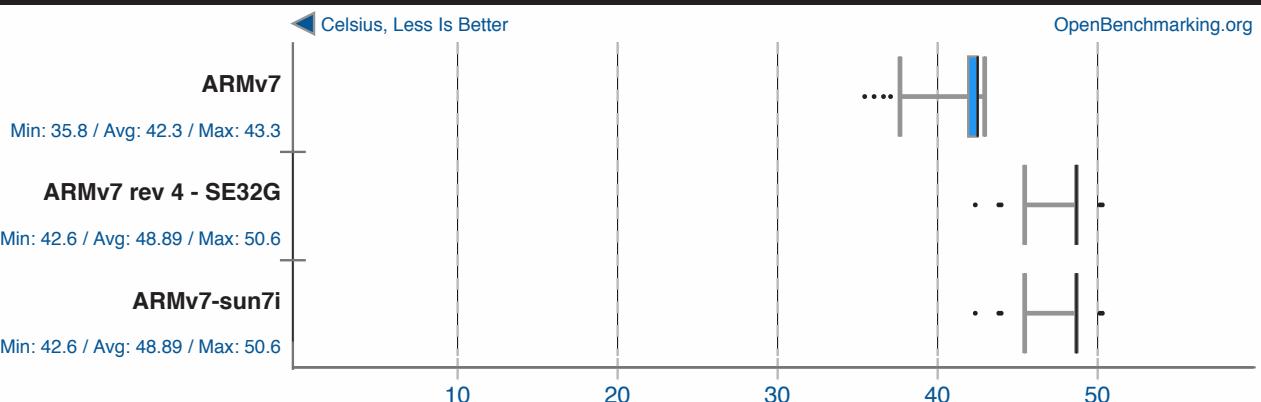
LZMA Compression

CPU Frequency (CPU0) Monitor



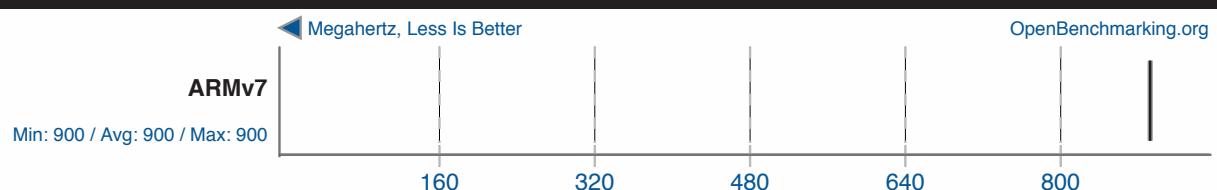
LZMA Compression

System Temperature Monitor



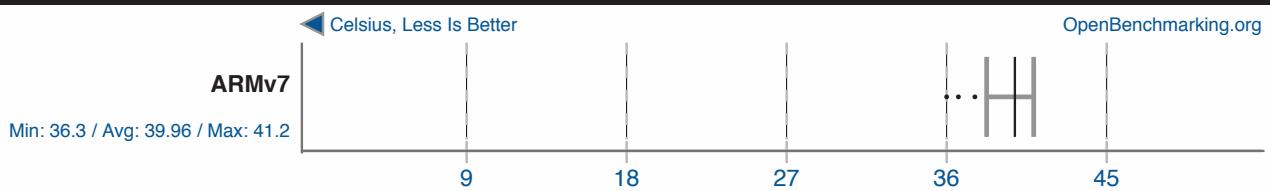
Ogg Encoding v1.3.0

CPU Frequency (CPU0) Monitor



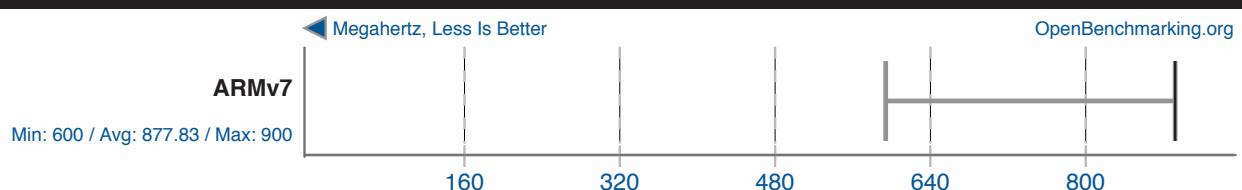
Ogg Encoding v1.3.0

System Temperature Monitor



GnuPG v1.4.10

CPU Frequency (CPU0) Monitor

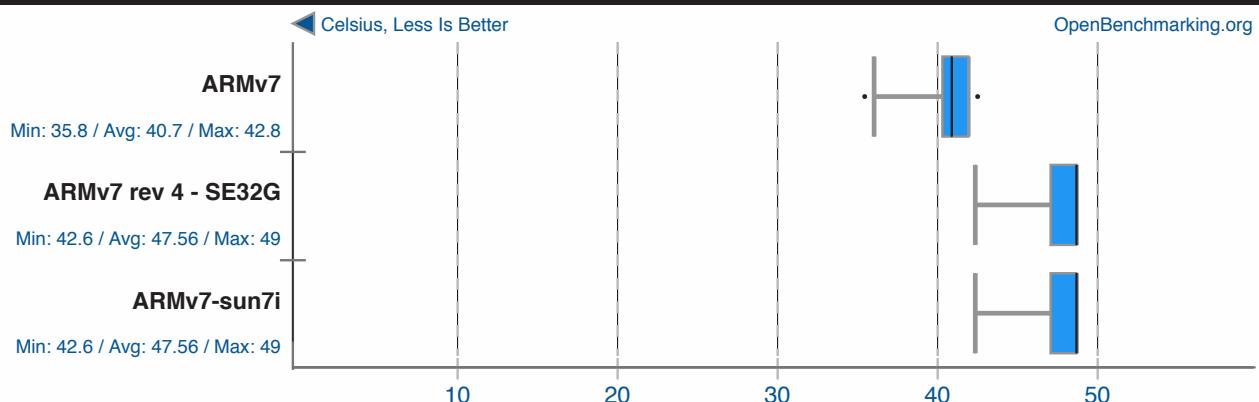


GnuPG v1.4.10

System Temperature Monitor



OpenBenchmarking.org



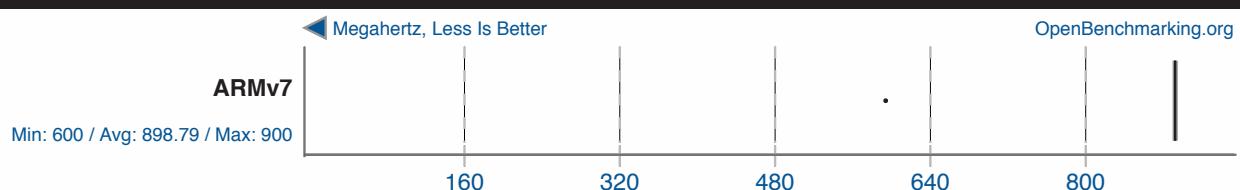
Phoronix Test Suite 7.0.0

GMPbench v0.2

CPU Frequency (CPU0) Monitor



OpenBenchmarking.org



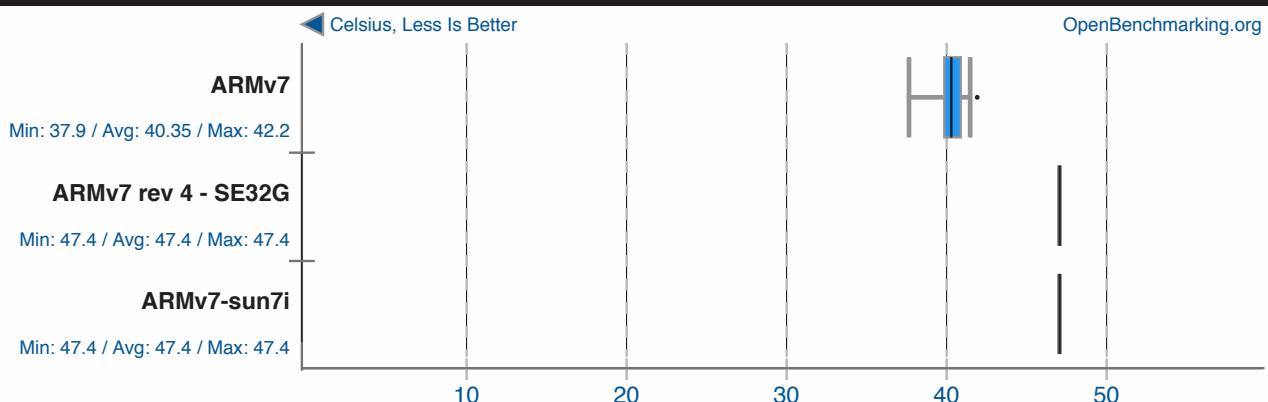
Phoronix Test Suite 7.0.0

GMPbench v0.2

System Temperature Monitor



OpenBenchmarking.org



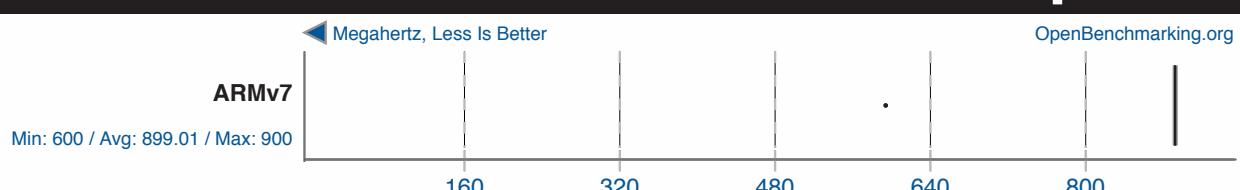
Phoronix Test Suite 7.0.0

Timed HMMer Search v2.3.2

CPU Frequency (CPU0) Monitor



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

Timed HMMer Search v2.3.2

System Temperature Monitor



◀ Celsius, Less Is Better

OpenBenchmarking.org

ARMv7

Min: 34.2 / Avg: 49.7 / Max: 51.4

ARMv7 rev 4 - SE32G

Min: 47.4 / Avg: 53.42 / Max: 55.3

ARMv7-sun7i

Min: 47.4 / Avg: 53.42 / Max: 55.3

11

22

33

44

55



Phoronix Test Suite 7.0.0

Threaded I/O Tester v0.3.3

64MB Write - 32 Threads



▶ MB/s, More Is Better

OpenBenchmarking.org

ARMv7

SE +/- 0.00

0.52

ARMv7 rev 4 - SE32G

SE +/- 0.16

1.37

ARMv7-sun7i

SE +/- 0.16

1.37

0.3083

0.6166

0.9249

1.2332

1.5415



Phoronix Test Suite 7.0.0

Threaded I/O Tester v0.3.3

CPU Frequency (CPU0) Monitor



◀ Megahertz, Less Is Better

OpenBenchmarking.org

ARMv7

Min: 600 / Avg: 600.76 / Max: 900

160

320

480

640

800

...



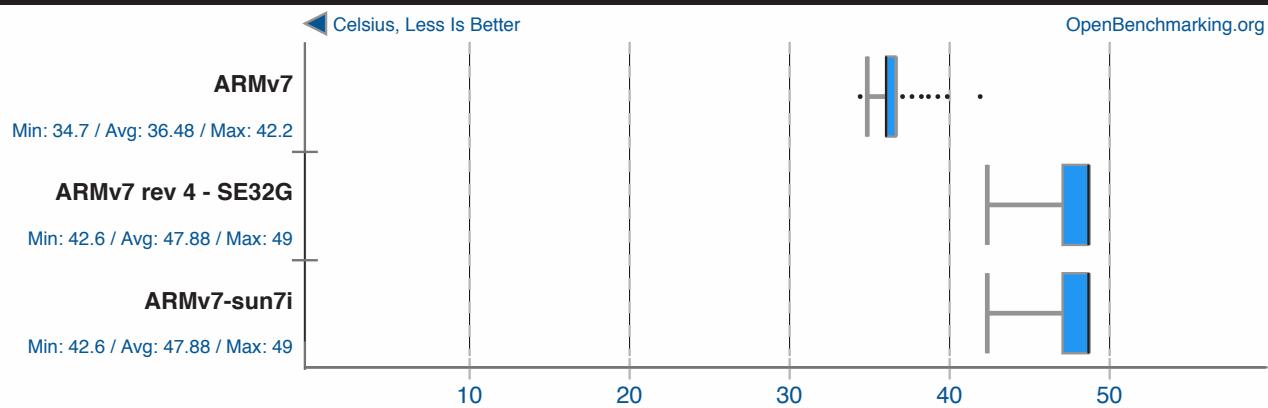
Phoronix Test Suite 7.0.0

Threaded I/O Tester v0.3.3

System Temperature Monitor



OpenBenchmarking.org



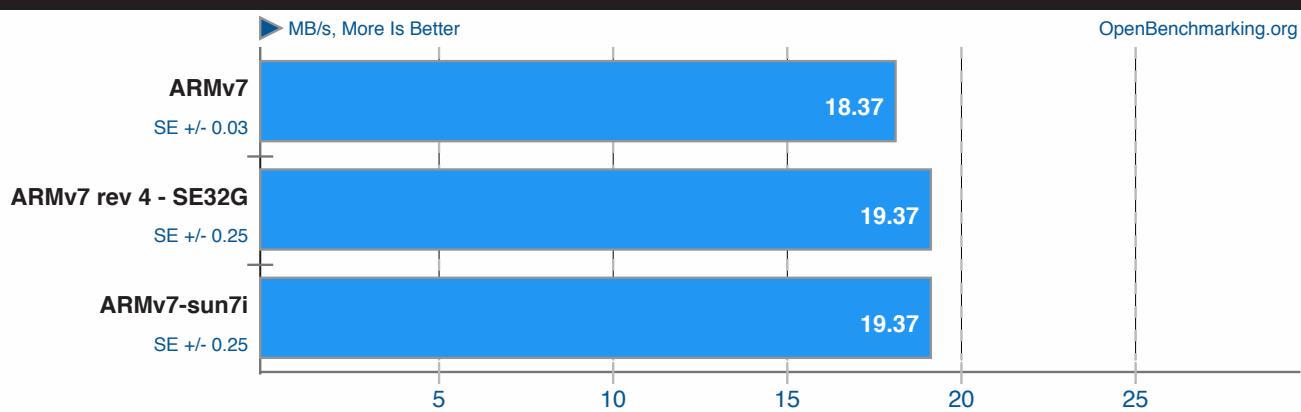
Phoronix Test Suite 7.0.0

Threaded I/O Tester v0.3.3

64MB Read - 32 Threads



OpenBenchmarking.org



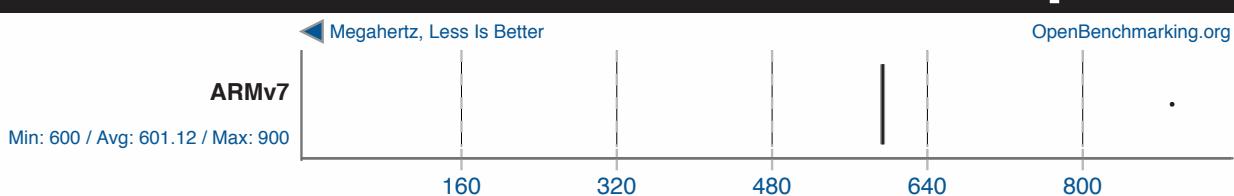
Phoronix Test Suite 7.0.0

Threaded I/O Tester v0.3.3

CPU Frequency (CPU0) Monitor



OpenBenchmarking.org



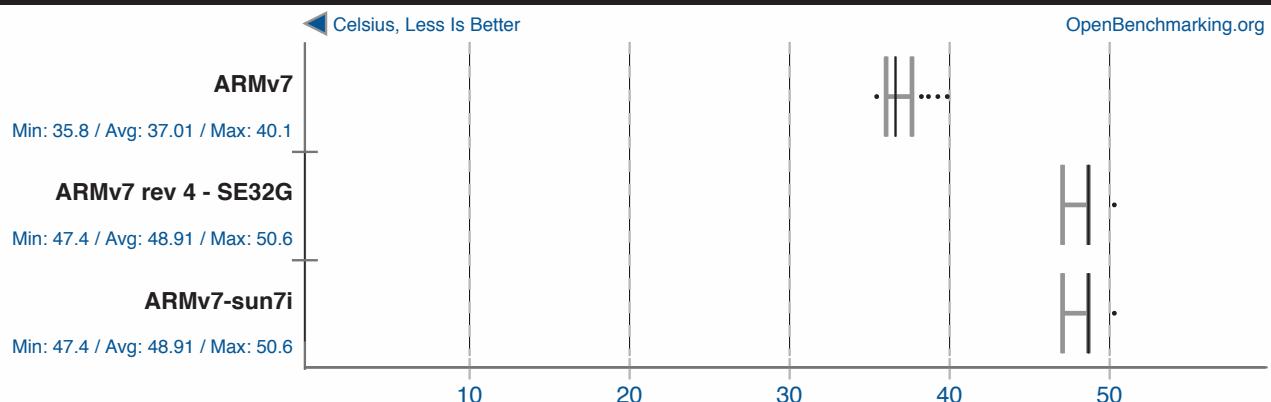
Phoronix Test Suite 7.0.0

Threaded I/O Tester v0.3.3

System Temperature Monitor



OpenBenchmarking.org



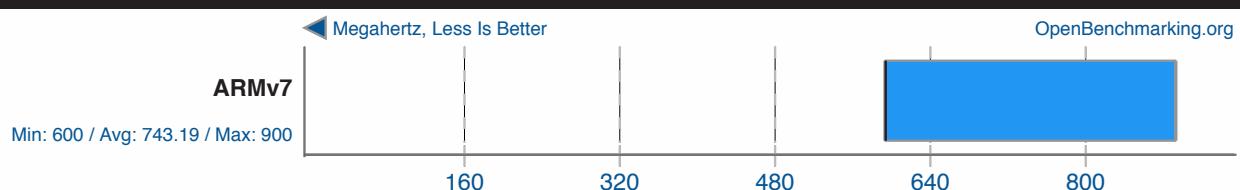
Phoronix Test Suite 7.0.0

PostMark v1.51

CPU Frequency (CPU0) Monitor



OpenBenchmarking.org



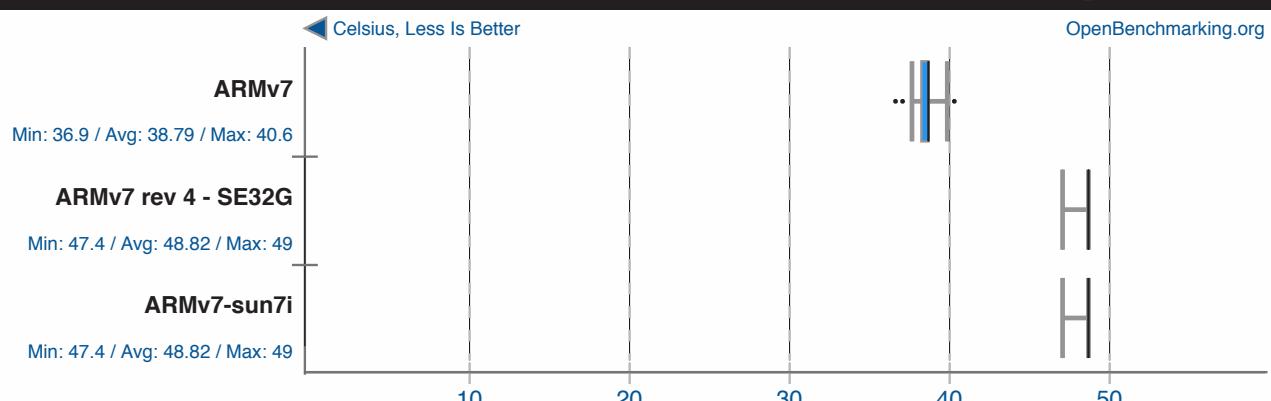
Phoronix Test Suite 7.0.0

PostMark v1.51

System Temperature Monitor



OpenBenchmarking.org



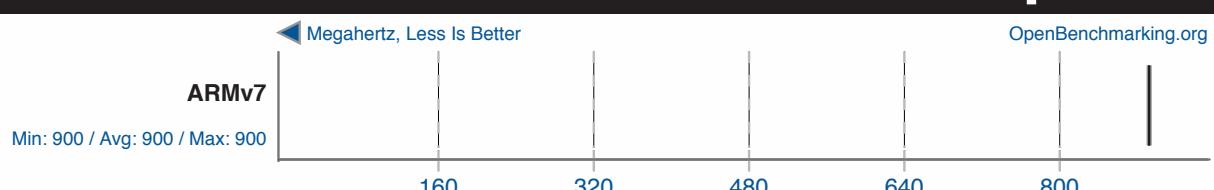
Phoronix Test Suite 7.0.0

Sudokut v0.4

CPU Frequency (CPU0) Monitor



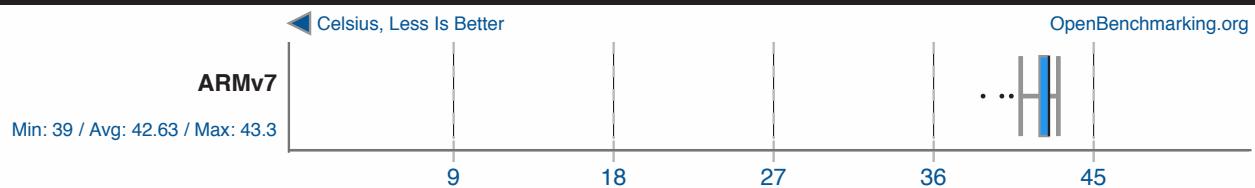
OpenBenchmarking.org



Phoronix Test Suite 7.0.0

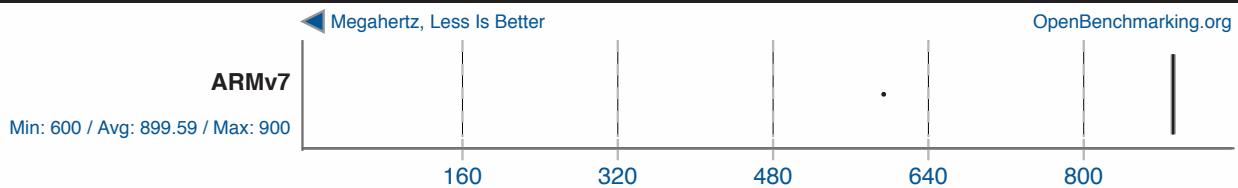
Sudokut v0.4

System Temperature Monitor



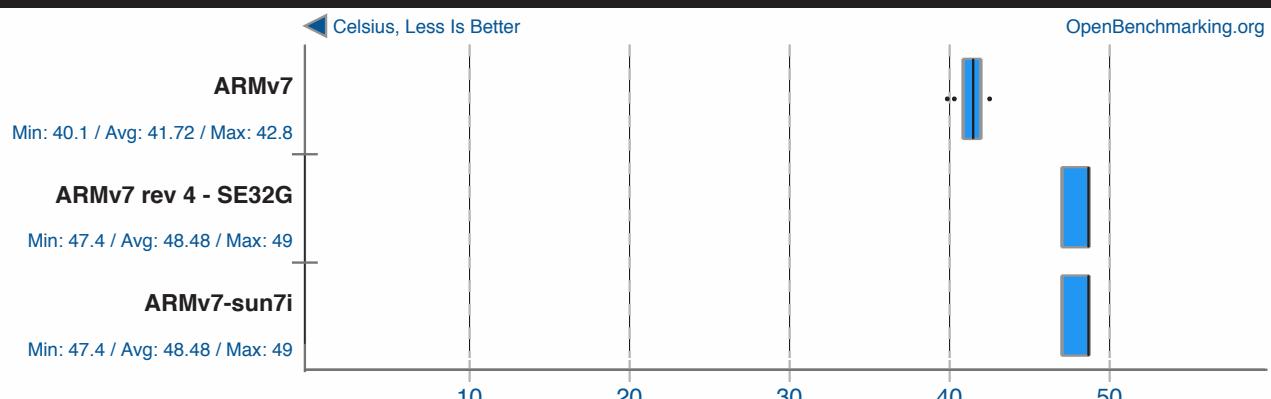
drawing

CPU Frequency (CPU0) Monitor



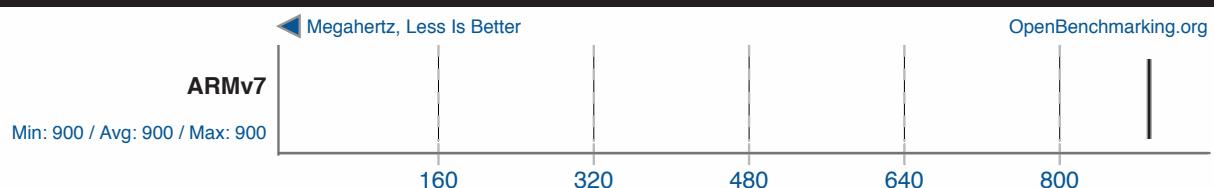
drawing

System Temperature Monitor



PyBench v2008-08-14

CPU Frequency (CPU0) Monitor

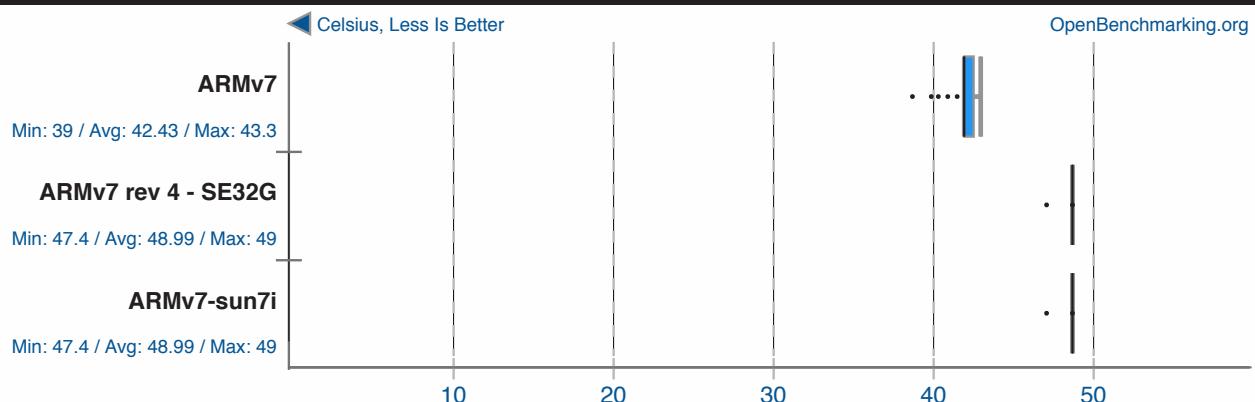


PyBench v2008-08-14

System Temperature Monitor



OpenBenchmarking.org



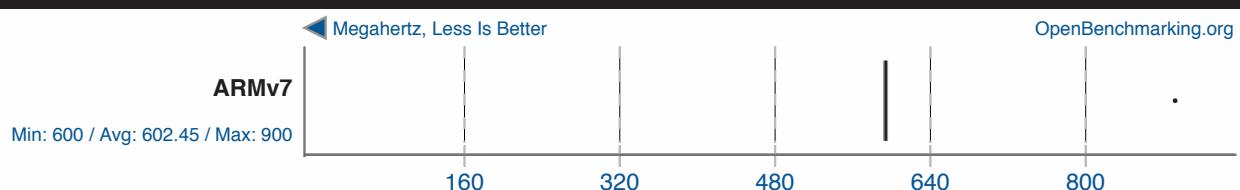
Phoronix Test Suite 7.0.0

SQLite v3.8.10.2

CPU Frequency (CPU0) Monitor



OpenBenchmarking.org



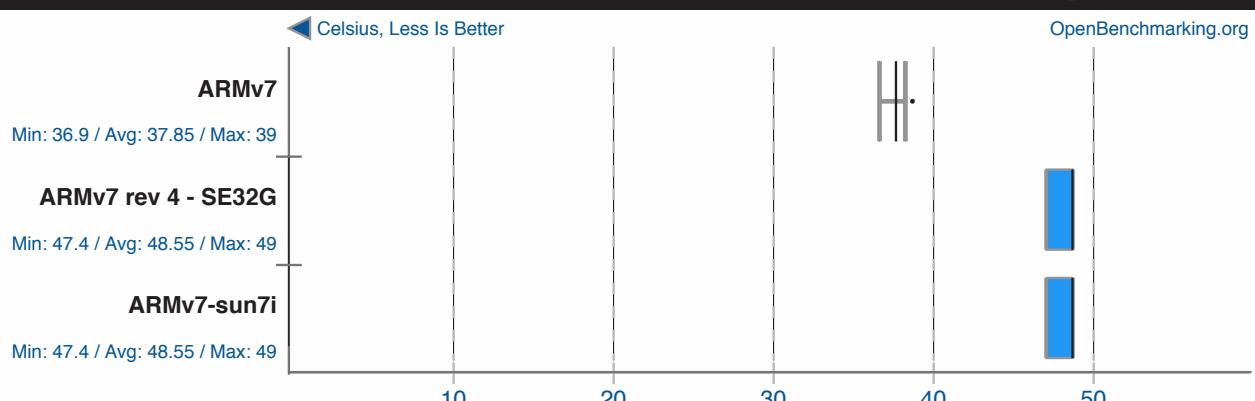
Phoronix Test Suite 7.0.0

SQLite v3.8.10.2

System Temperature Monitor



OpenBenchmarking.org



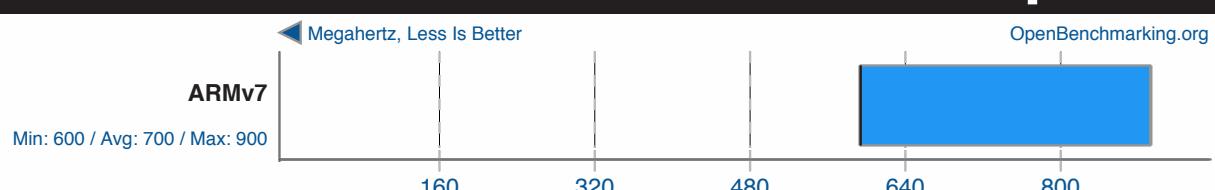
Phoronix Test Suite 7.0.0

BYTE Unix Benchmark v3.6

CPU Frequency (CPU0) Monitor



OpenBenchmarking.org



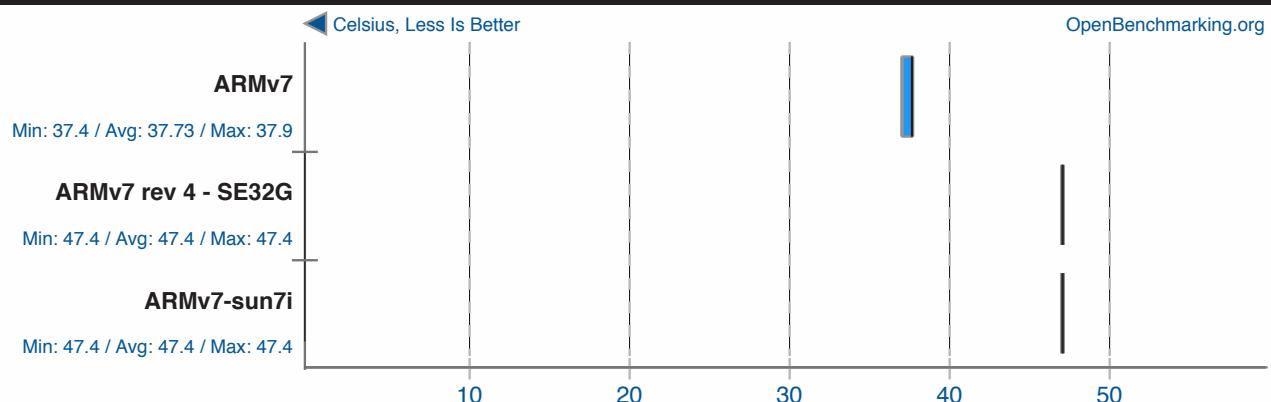
Phoronix Test Suite 7.0.0

BYTE Unix Benchmark v3.6

System Temperature Monitor



OpenBenchmarking.org

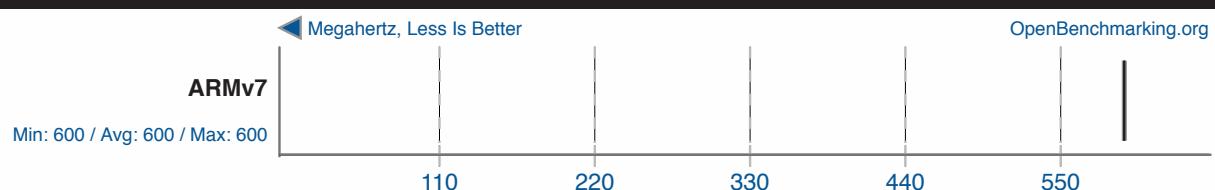


BYTE Unix Benchmark v3.6

CPU Frequency (CPU0) Monitor



OpenBenchmarking.org

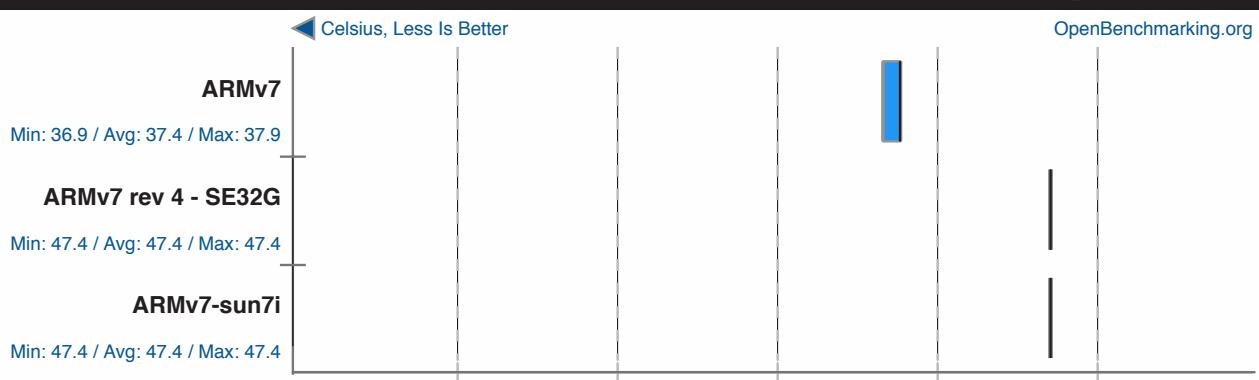


BYTE Unix Benchmark v3.6

System Temperature Monitor



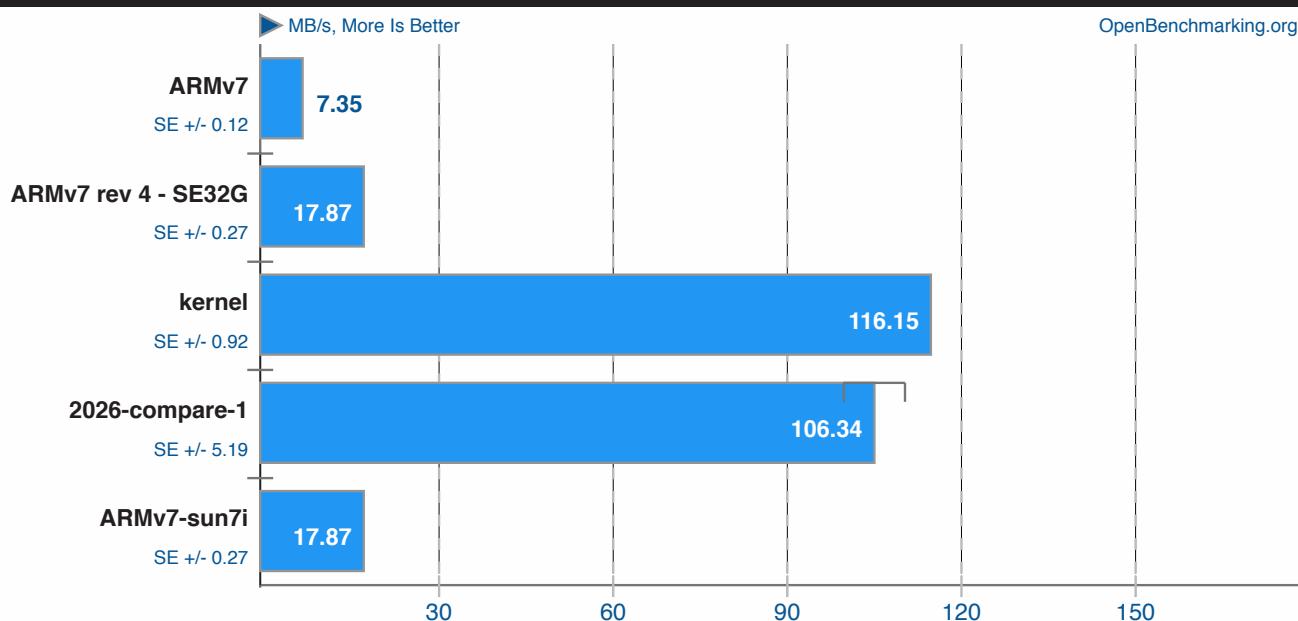
OpenBenchmarking.org



IOzone v3.405 4GB Write Performance



OpenBenchmarking.org



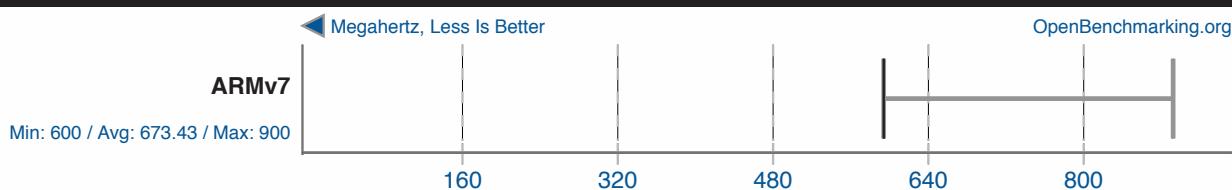
1. (CC) gcc options: -O3

Phoronix Test Suite 7.0.0

IOzone v3.405 CPU Frequency (CPU0) Monitor



OpenBenchmarking.org

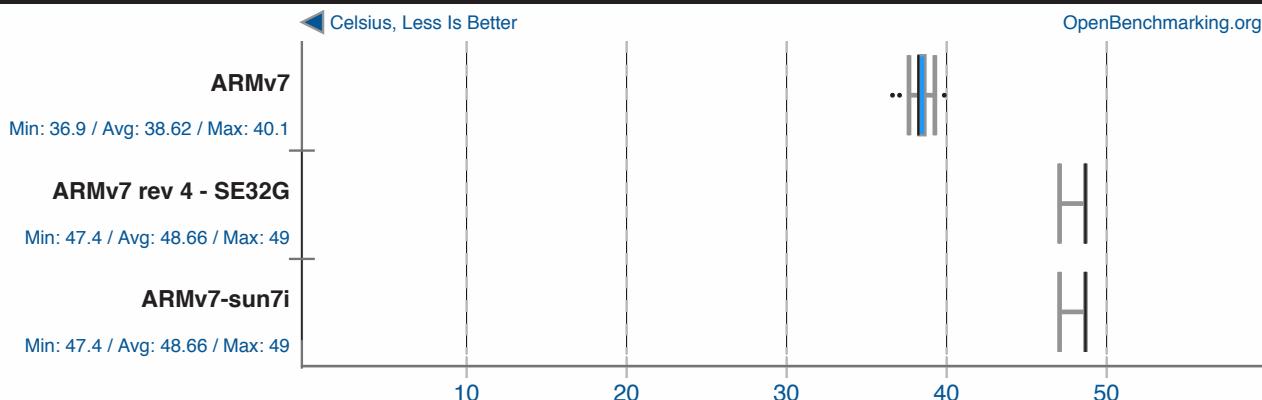


Phoronix Test Suite 7.0.0

IOzone v3.405 System Temperature Monitor



OpenBenchmarking.org

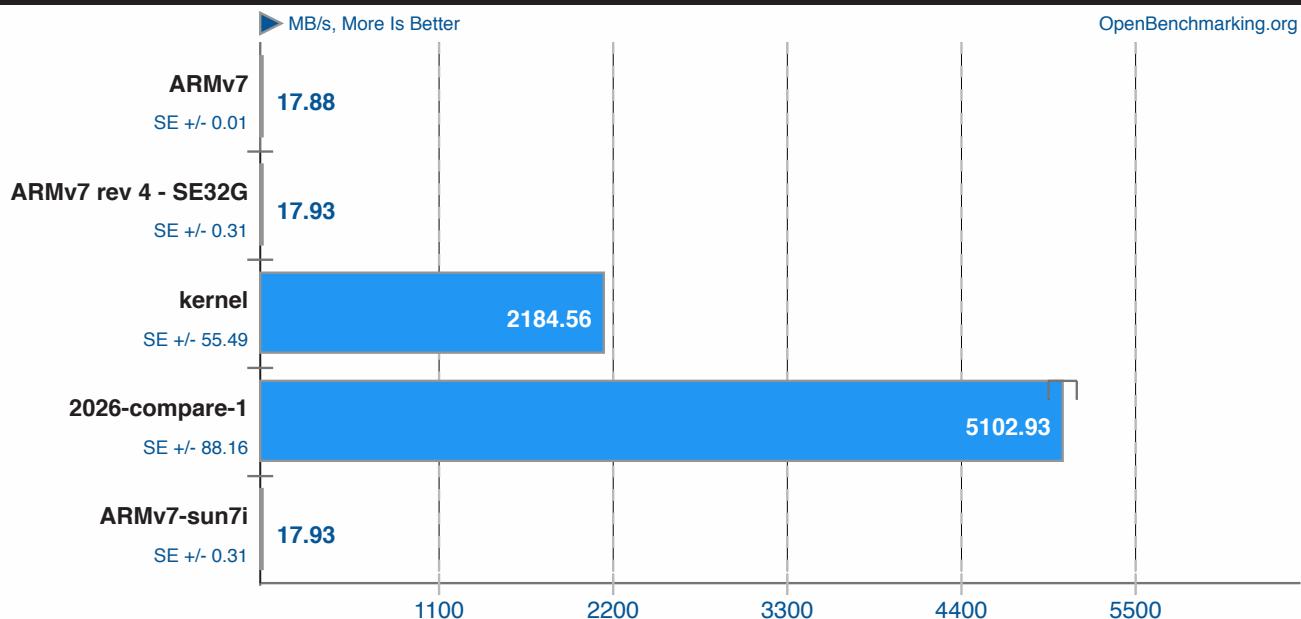


Phoronix Test Suite 7.0.0

IOzone v3.405 4GB Read Performance



OpenBenchmarking.org



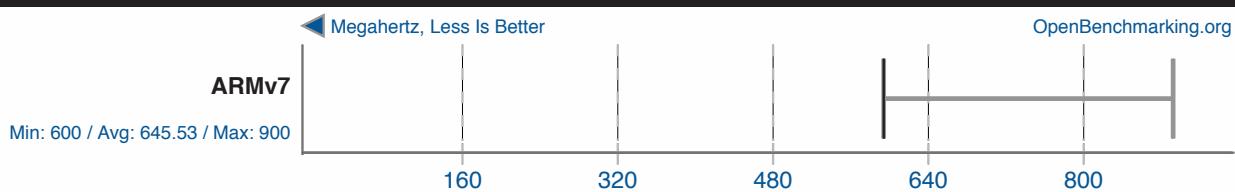
1. (CC) gcc options: -O3

Phoronix Test Suite 7.0.0

IOzone v3.405 CPU Frequency (CPU0) Monitor



OpenBenchmarking.org

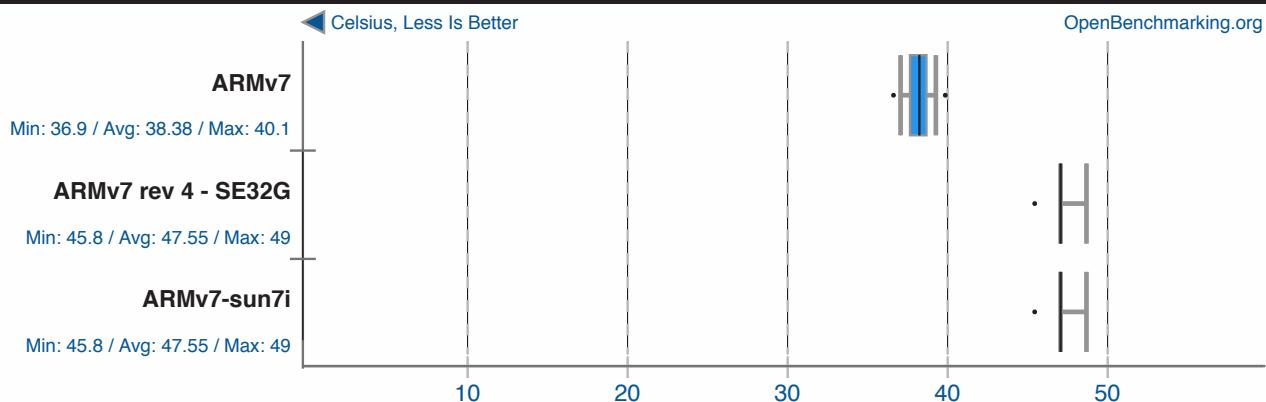


Phoronix Test Suite 7.0.0

IOzone v3.405 System Temperature Monitor



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

FS-Mark v3.3

CPU Frequency (CPU0) Monitor



◀ Megahertz, Less Is Better

OpenBenchmarking.org

ARMv7

Min: 600 / Avg: 611.38 / Max: 900

160 320 480 640 800



Phoronix Test Suite 7.0.0

FS-Mark v3.3

System Temperature Monitor



◀ Celsius, Less Is Better

OpenBenchmarking.org

ARMv7

Min: 36.9 / Avg: 37.88 / Max: 39

ARMv7 rev 4 - SE32G

Min: 45.8 / Avg: 47.32 / Max: 47.4

ARMv7-sun7i

Min: 45.8 / Avg: 47.32 / Max: 47.4

10 20 30 40 50



Phoronix Test Suite 7.0.0

R Benchmark

CPU Frequency (CPU0) Monitor



◀ Megahertz, Less Is Better

OpenBenchmarking.org

ARMv7

Min: 600 / Avg: 750 / Max: 900

160 320 480 640 800



Phoronix Test Suite 7.0.0

R Benchmark

System Temperature Monitor



◀ Celsius, Less Is Better

OpenBenchmarking.org

ARMv7

Min: 37.9 / Avg: 37.9 / Max: 37.9

ARMv7 rev 4 - SE32G

Min: 45.8 / Avg: 46.8 / Max: 47.3

ARMv7-sun7i

Min: 45.8 / Avg: 46.8 / Max: 47.3

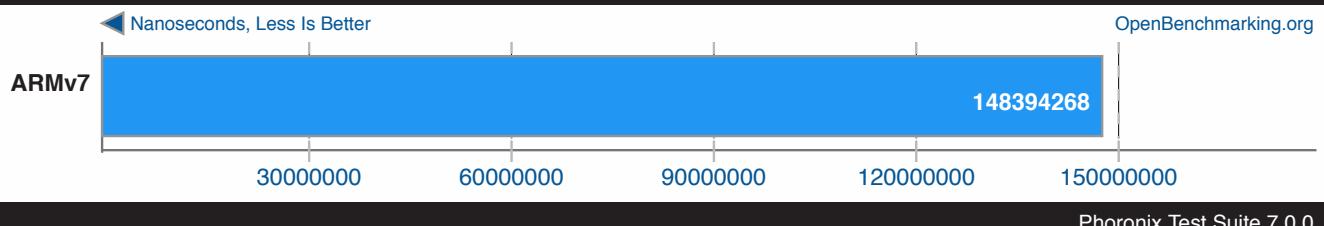
10 20 30 40 50



Phoronix Test Suite 7.0.0

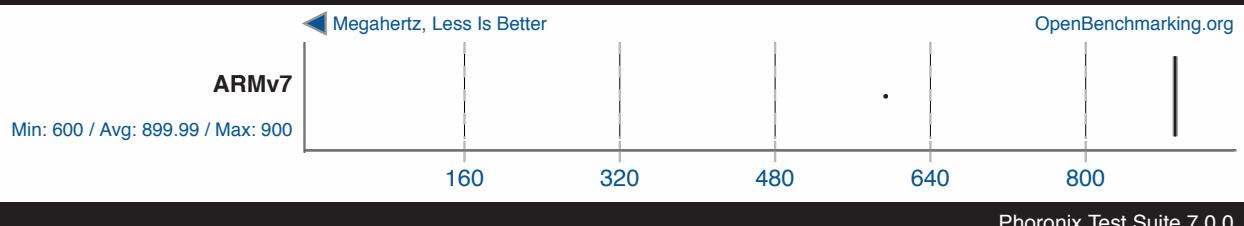
Numpy Benchmark

Phoronix Test Suite v6.6.1



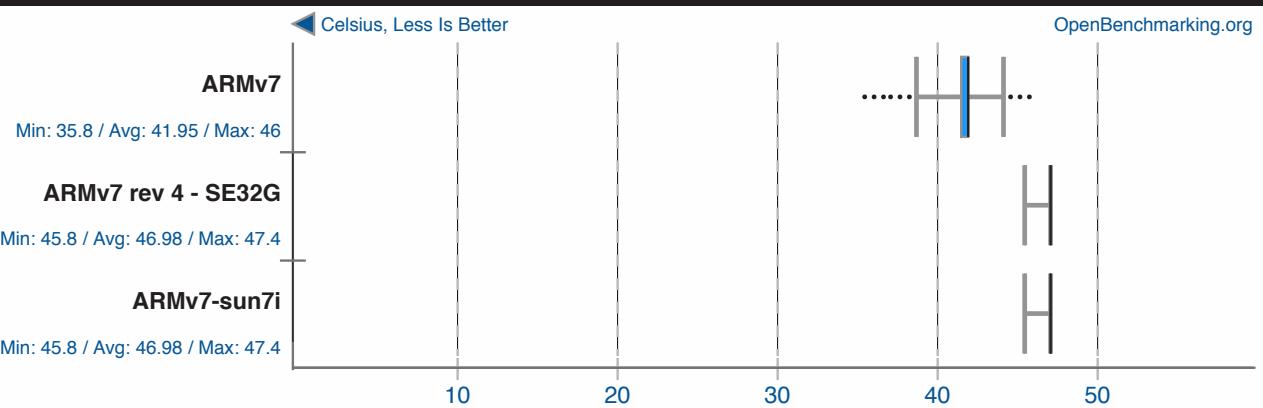
Numpy Benchmark

CPU Frequency (CPU0) Monitor



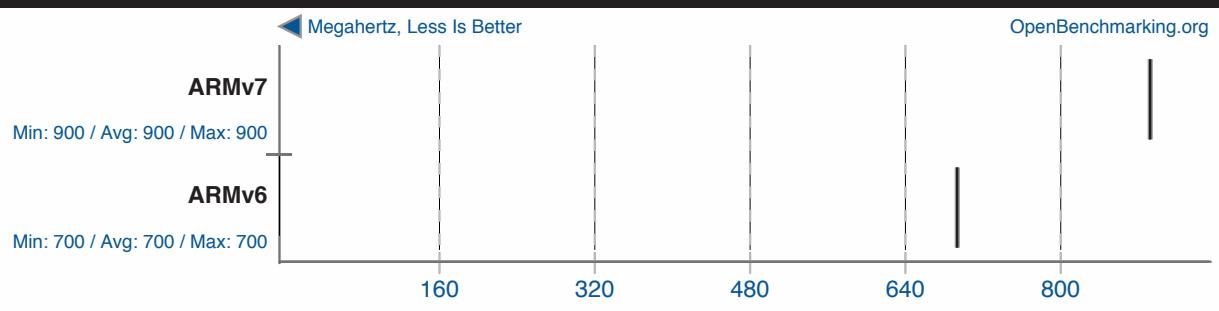
Numpy Benchmark

System Temperature Monitor



RAMspeed SMP v3.5.0

CPU Frequency (CPU0) Monitor

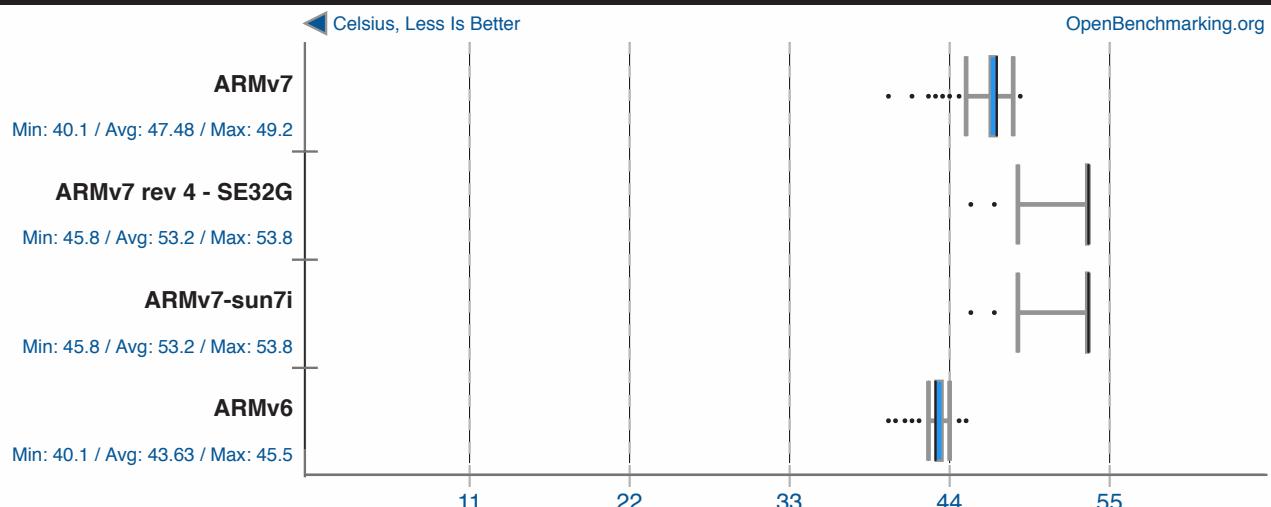


RAMspeed SMP v3.5.0

System Temperature Monitor



OpenBenchmarking.org



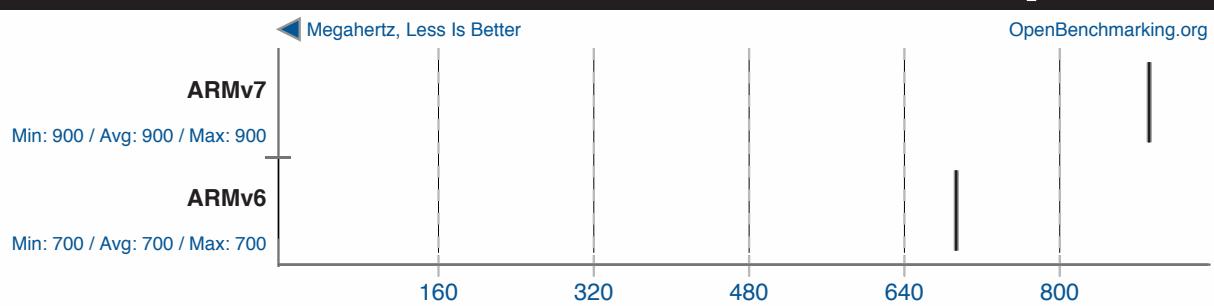
Phoronix Test Suite 7.0.0

RAMspeed SMP v3.5.0

CPU Frequency (CPU0) Monitor



OpenBenchmarking.org



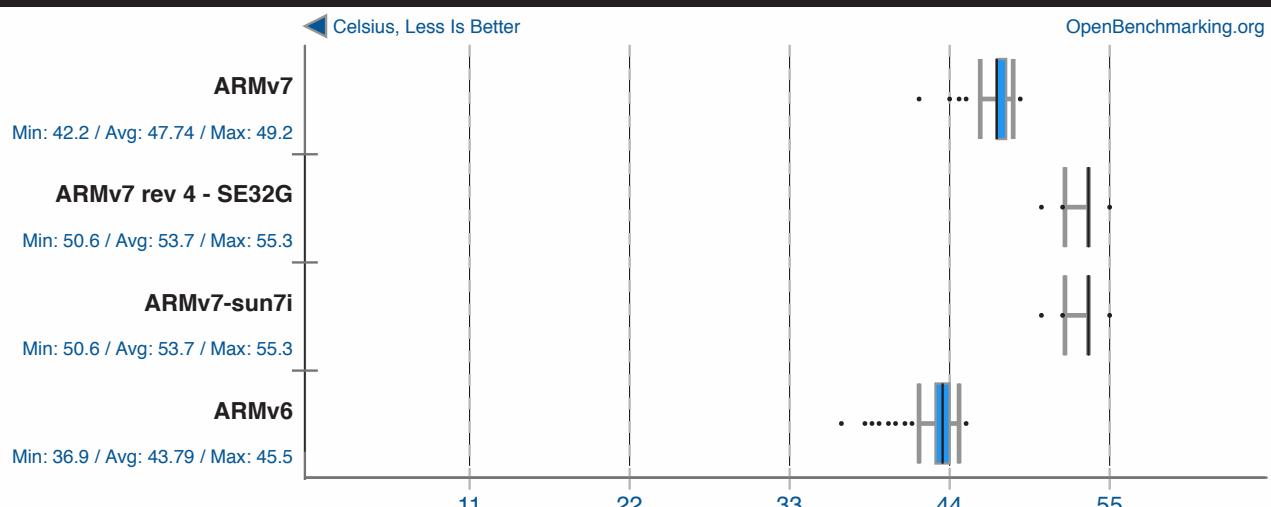
Phoronix Test Suite 7.0.0

RAMspeed SMP v3.5.0

System Temperature Monitor



OpenBenchmarking.org



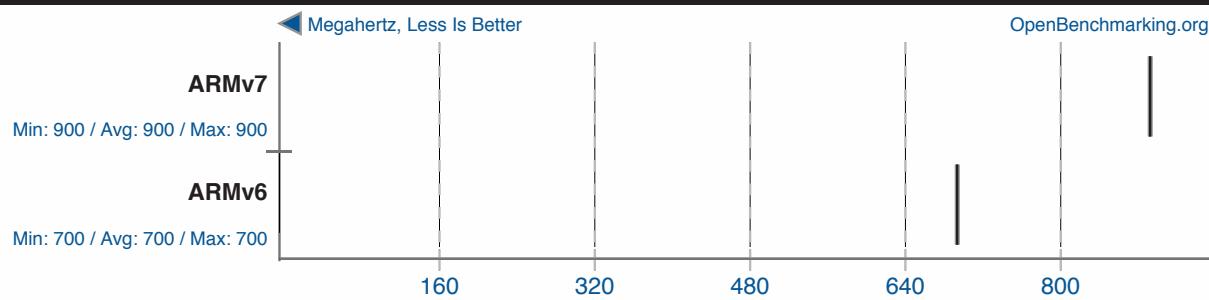
Phoronix Test Suite 7.0.0

RAMspeed SMP v3.5.0

CPU Frequency (CPU0) Monitor

ptsli

OpenBenchmarking.org



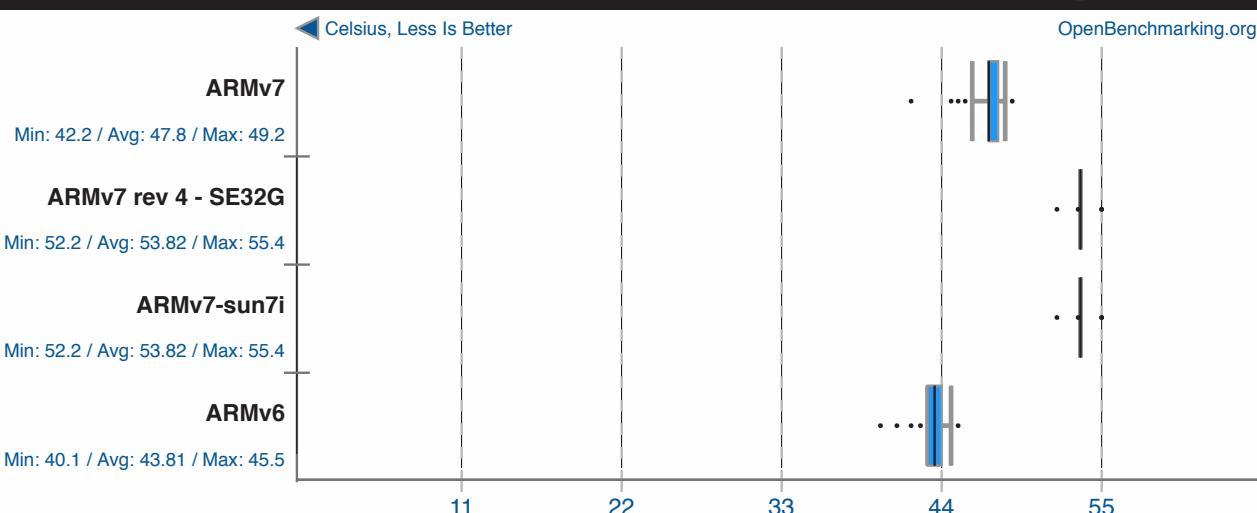
Phoronix Test Suite 7.0.0

RAMspeed SMP v3.5.0

System Temperature Monitor

ptsli

OpenBenchmarking.org



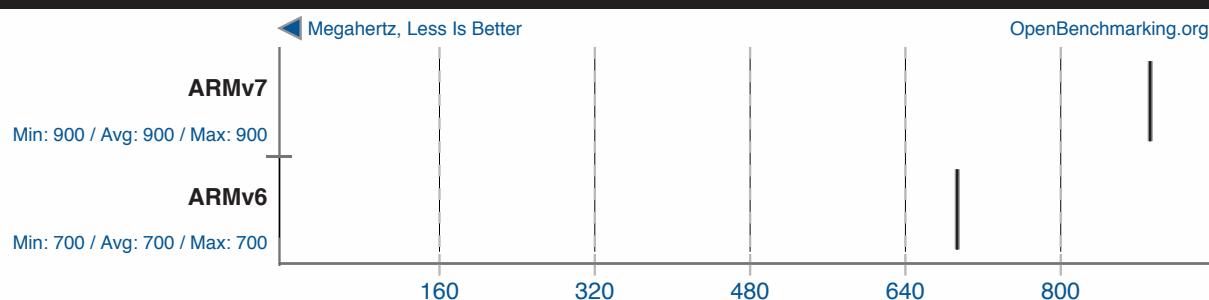
Phoronix Test Suite 7.0.0

RAMspeed SMP v3.5.0

CPU Frequency (CPU0) Monitor

ptsli

OpenBenchmarking.org



Phoronix Test Suite 7.0.0

RAMspeed SMP v3.5.0

System Temperature Monitor



◀ Celsius, Less Is Better

OpenBenchmarking.org

ARMv7

Min: 42.2 / Avg: 48.66 / Max: 50.3

ARMv7 rev 4 - SE32G

Min: 52.2 / Avg: 54.7 / Max: 55.4

ARMv7-sun7i

Min: 52.2 / Avg: 54.7 / Max: 55.4

ARMv6

Min: 40.1 / Avg: 42.74 / Max: 43.9

11

22

33

44

55



Phoronix Test Suite 7.0.0

Loopback TCP Network Performance

CPU Frequency (CPU0) Monitor



◀ Megahertz, Less Is Better

OpenBenchmarking.org

ARMv7

Min: 600 / Avg: 894.95 / Max: 900

160

320

480

640

800



Phoronix Test Suite 7.0.0

Loopback TCP Network Performance

System Temperature Monitor



◀ Celsius, Less Is Better

OpenBenchmarking.org

ARMv7

Min: 40.1 / Avg: 44.66 / Max: 46

ARMv7 rev 4 - SE32G

Min: 49 / Avg: 53.25 / Max: 53.8

ARMv7-sun7i

Min: 49 / Avg: 53.25 / Max: 53.8

11

22

33

44

55



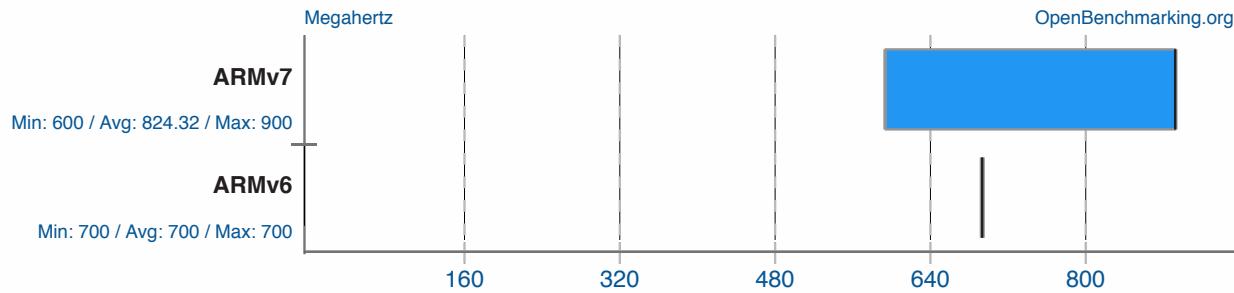
Phoronix Test Suite 7.0.0

CPU Frequency (CPU0) Monitor

Phoronix Test Suite System Monitoring



OpenBenchmarking.org



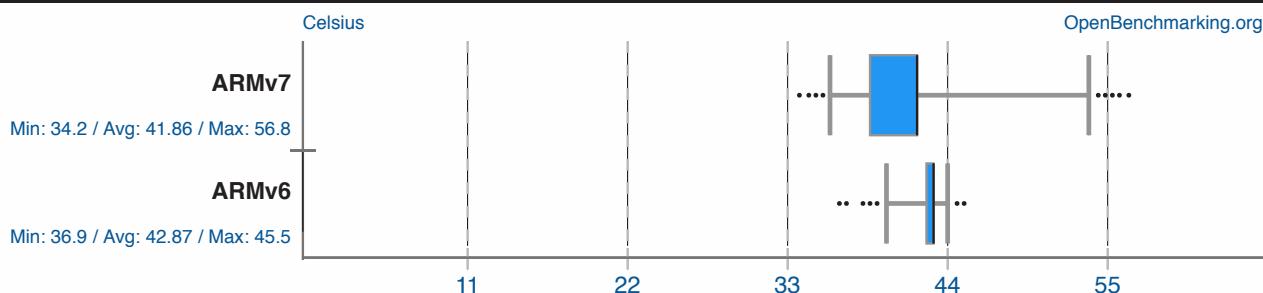
Phoronix Test Suite 7.0.0

System Temperature Monitor

Phoronix Test Suite System Monitoring



OpenBenchmarking.org



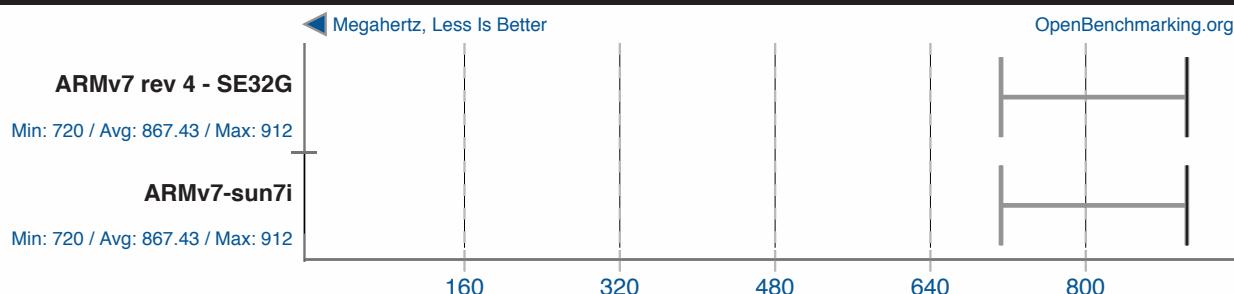
Phoronix Test Suite 7.0.0

Parallel BZIP2 Compression v1.1.12

CPU Frequency Monitor



OpenBenchmarking.org



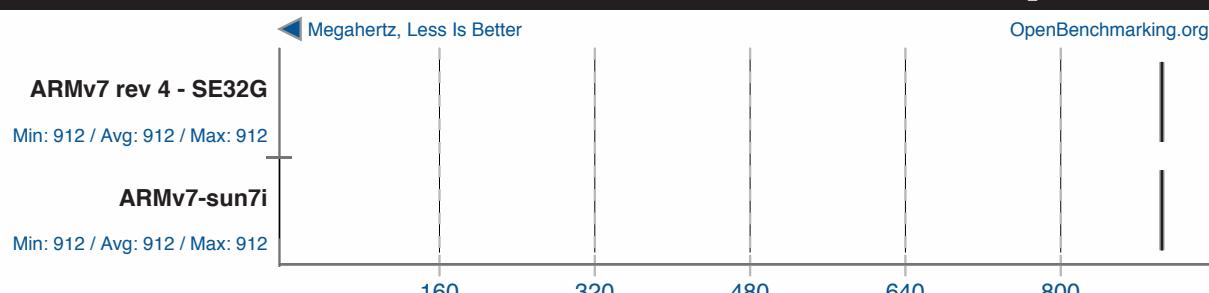
Phoronix Test Suite 7.0.0

7-Zip Compression v9.20.1

CPU Frequency Monitor



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

LAME MP3 Encoding v3.99.3

CPU Frequency Monitor



OpenBenchmarking.org

ARMv7 rev 4 - SE32G

Min: 912 / Avg: 912 / Max: 912

ARMv7-sun7i

Min: 912 / Avg: 912 / Max: 912

160 320 480 640 800

Phoronix Test Suite 7.0.0

FLAC Audio Encoding v1.3.1

CPU Frequency Monitor



OpenBenchmarking.org

ARMv7 rev 4 - SE32G

Min: 864 / Avg: 911.94 / Max: 912

ARMv7-sun7i

Min: 864 / Avg: 911.94 / Max: 912

160 320 480 640 800

Phoronix Test Suite 7.0.0

Gcrypt Library v1.4.4

CPU Frequency Monitor



OpenBenchmarking.org

ARMv7 rev 4 - SE32G

Min: 912 / Avg: 912 / Max: 912

ARMv7-sun7i

Min: 912 / Avg: 912 / Max: 912

160 320 480 640 800

Phoronix Test Suite 7.0.0

Himeno Benchmark v3.0

CPU Frequency Monitor



OpenBenchmarking.org

ARMv7 rev 4 - SE32G

Min: 912 / Avg: 912 / Max: 912

ARMv7-sun7i

Min: 912 / Avg: 912 / Max: 912

160 320 480 640 800

Phoronix Test Suite 7.0.0

C-Ray v1.1

CPU Frequency Monitor



OpenBenchmarking.org

ARMv7 rev 4 - SE32G

Min: 912 / Avg: 912 / Max: 912

ARMv7-sun7i

Min: 912 / Avg: 912 / Max: 912

160 320 480 640 800

Megahertz, Less Is Better

Phoronix Test Suite 7.0.0

Smallpt v1.0

CPU Frequency Monitor



OpenBenchmarking.org

ARMv7 rev 4 - SE32G

Min: 912 / Avg: 912 / Max: 912

ARMv7-sun7i

Min: 912 / Avg: 912 / Max: 912

160 320 480 640 800

Megahertz, Less Is Better

Phoronix Test Suite 7.0.0

Tachyon v0.98.9

CPU Frequency Monitor



OpenBenchmarking.org

ARMv7 rev 4 - SE32G

Min: 720 / Avg: 848 / Max: 912

ARMv7-sun7i

Min: 720 / Avg: 848 / Max: 912

160 320 480 640 800

Megahertz, Less Is Better

Phoronix Test Suite 7.0.0

TSCP v1.81

CPU Frequency Monitor



OpenBenchmarking.org

ARMv7 rev 4 - SE32G

Min: 912 / Avg: 912 / Max: 912

ARMv7-sun7i

Min: 912 / Avg: 912 / Max: 912

160 320 480 640 800

Megahertz, Less Is Better

Phoronix Test Suite 7.0.0

Timed MAFFT Alignment v6.864

CPU Frequency Monitor



OpenBenchmarking.org

ARMv7 rev 4 - SE32G

Min: 912 / Avg: 912 / Max: 912

ARMv7-sun7i

Min: 912 / Avg: 912 / Max: 912

160 320 480 640 800



Phoronix Test Suite 7.0.0

Stream v2013-01-17

CPU Frequency Monitor



OpenBenchmarking.org

ARMv7 rev 4 - SE32G

Min: 720 / Avg: 848 / Max: 912

ARMv7-sun7i

Min: 720 / Avg: 848 / Max: 912

160 320 480 640 800



Phoronix Test Suite 7.0.0

LZMA Compression

CPU Frequency Monitor



OpenBenchmarking.org

ARMv7 rev 4 - SE32G

Min: 720 / Avg: 911.97 / Max: 912

ARMv7-sun7i

Min: 720 / Avg: 911.97 / Max: 912

160 320 480 640 800



Phoronix Test Suite 7.0.0

GnuPG v1.4.10

CPU Frequency Monitor



OpenBenchmarking.org

ARMv7 rev 4 - SE32G

Min: 720 / Avg: 909.31 / Max: 912

ARMv7-sun7i

Min: 720 / Avg: 909.31 / Max: 912

160 320 480 640 800



Phoronix Test Suite 7.0.0

GMPbench v0.2

CPU Frequency Monitor



OpenBenchmarking.org

ARMv7 rev 4 - SE32G

Min: 912 / Avg: 912 / Max: 912

ARMv7-sun7i

Min: 912 / Avg: 912 / Max: 912

160 320 480 640 800

Phoronix Test Suite 7.0.0

Timed HMMer Search v2.3.2

CPU Frequency Monitor



OpenBenchmarking.org

ARMv7 rev 4 - SE32G

Min: 912 / Avg: 912 / Max: 912

ARMv7-sun7i

Min: 912 / Avg: 912 / Max: 912

160 320 480 640 800

Phoronix Test Suite 7.0.0

Threaded I/O Tester v0.3.3

CPU Frequency Monitor



OpenBenchmarking.org

ARMv7 rev 4 - SE32G

Min: 720 / Avg: 910.59 / Max: 912

ARMv7-sun7i

Min: 720 / Avg: 910.59 / Max: 912

160 320 480 640 800

Phoronix Test Suite 7.0.0

Threaded I/O Tester v0.3.3

CPU Frequency Monitor



OpenBenchmarking.org

ARMv7 rev 4 - SE32G

Min: 720 / Avg: 895.81 / Max: 912

ARMv7-sun7i

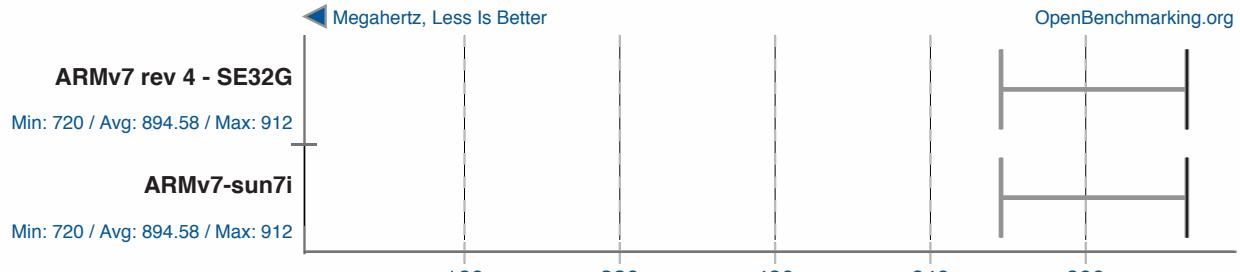
Min: 720 / Avg: 895.81 / Max: 912

160 320 480 640 800

Phoronix Test Suite 7.0.0

PostMark v1.51

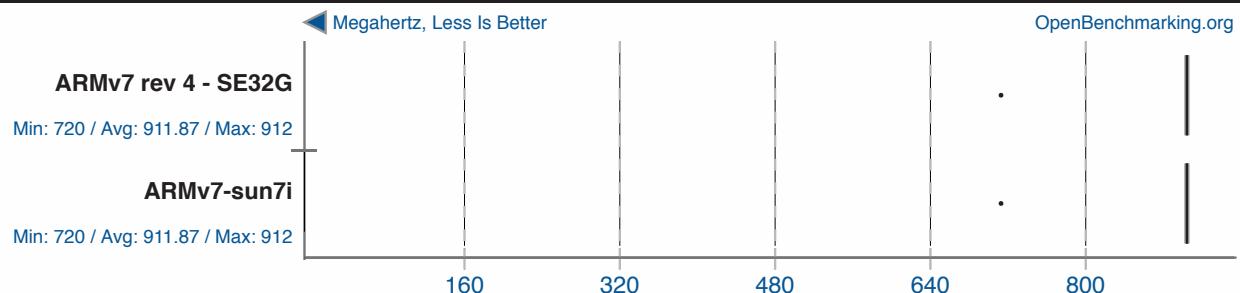
CPU Frequency Monitor



Phoronix Test Suite 7.0.0

ddraw

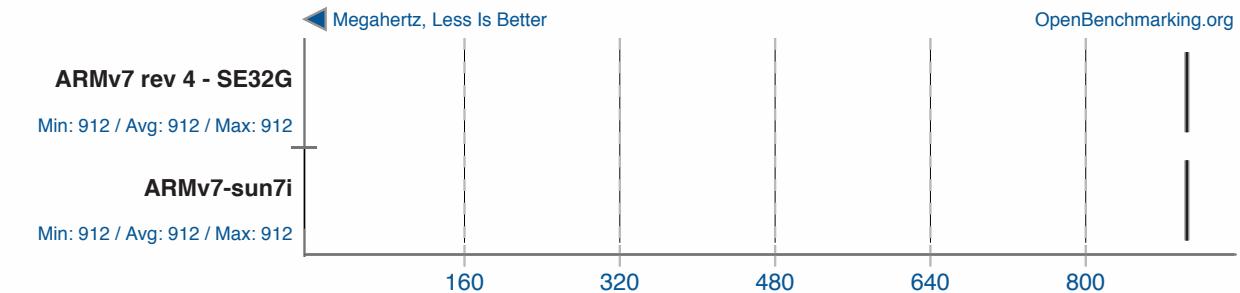
CPU Frequency Monitor



Phoronix Test Suite 7.0.0

PyBench v2008-08-14

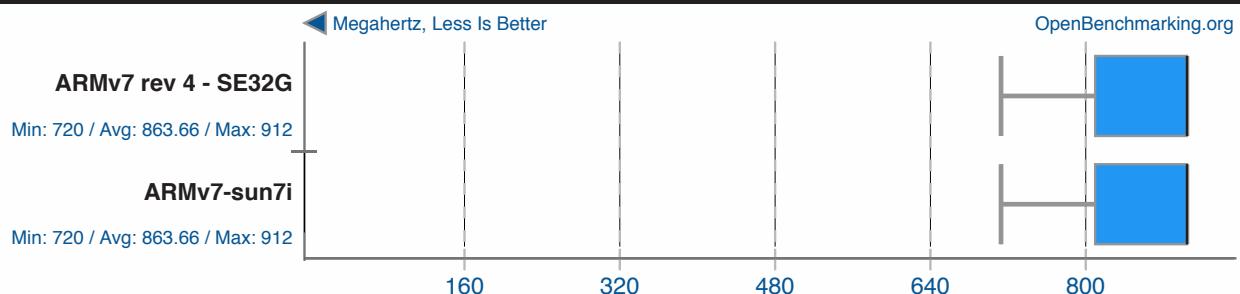
CPU Frequency Monitor



Phoronix Test Suite 7.0.0

SQLite v3.8.10.2

CPU Frequency Monitor



Phoronix Test Suite 7.0.0

BYTE Unix Benchmark v3.6

CPU Frequency Monitor



OpenBenchmarking.org

ARMv7 rev 4 - SE32G

Min: 912 / Avg: 912 / Max: 912

ARMv7-sun7i

Min: 912 / Avg: 912 / Max: 912

160 320 480 640 800

Phoronix Test Suite 7.0.0

BYTE Unix Benchmark v3.6

CPU Frequency Monitor



OpenBenchmarking.org

ARMv7 rev 4 - SE32G

Min: 720 / Avg: 816 / Max: 912

ARMv7-sun7i

Min: 720 / Avg: 816 / Max: 912

160 320 480 640 800

Phoronix Test Suite 7.0.0

IOzone v3.405

CPU Frequency Monitor



OpenBenchmarking.org

ARMv7 rev 4 - SE32G

Min: 720 / Avg: 828.69 / Max: 912

ARMv7-sun7i

Min: 720 / Avg: 828.69 / Max: 912

160 320 480 640 800

Phoronix Test Suite 7.0.0

IOzone v3.405

CPU Frequency Monitor



OpenBenchmarking.org

ARMv7 rev 4 - SE32G

Min: 720 / Avg: 756.71 / Max: 912

ARMv7-sun7i

Min: 720 / Avg: 756.71 / Max: 912

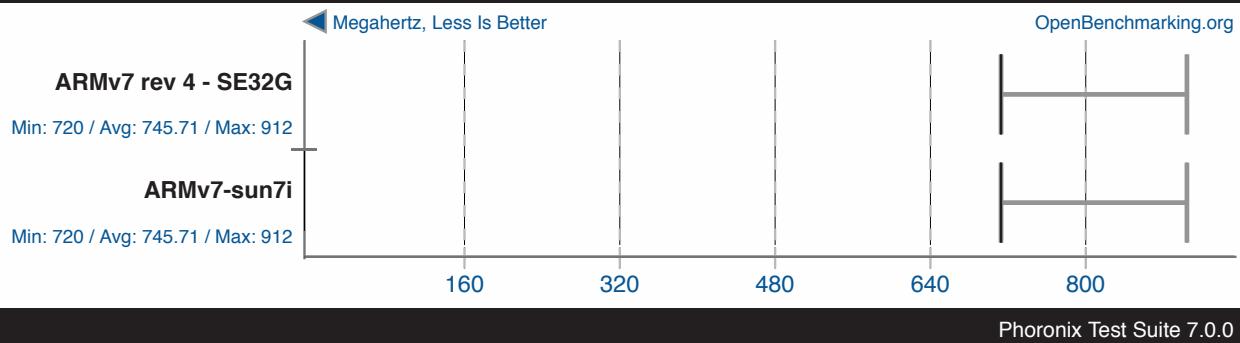
160 320 480 640 800

Phoronix Test Suite 7.0.0

FS-Mark v3.3

CPU Frequency Monitor

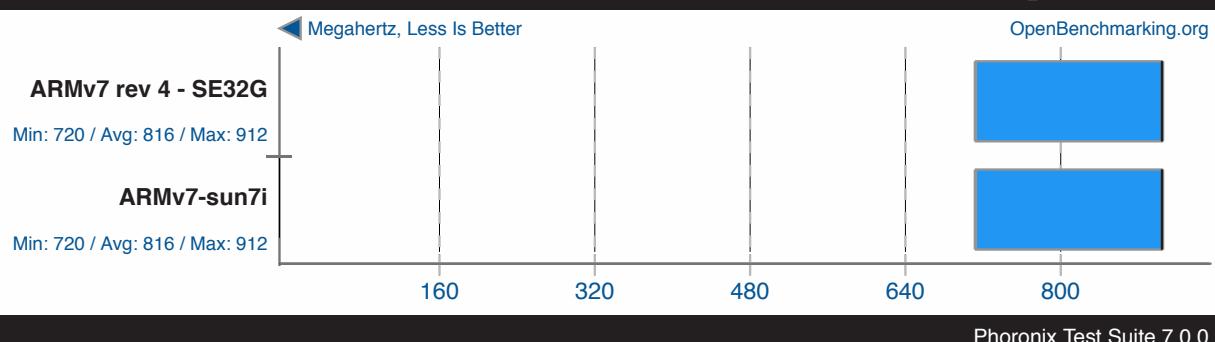
ptsli



R Benchmark

CPU Frequency Monitor

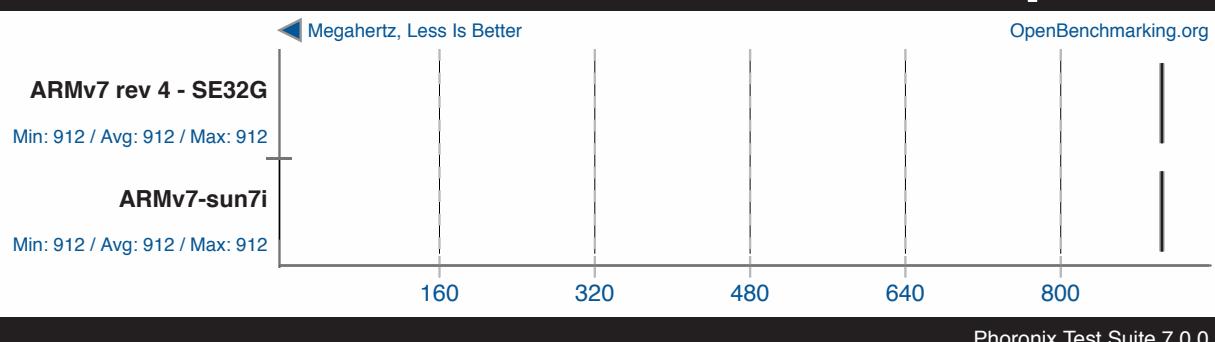
ptsli



Numpy Benchmark

CPU Frequency Monitor

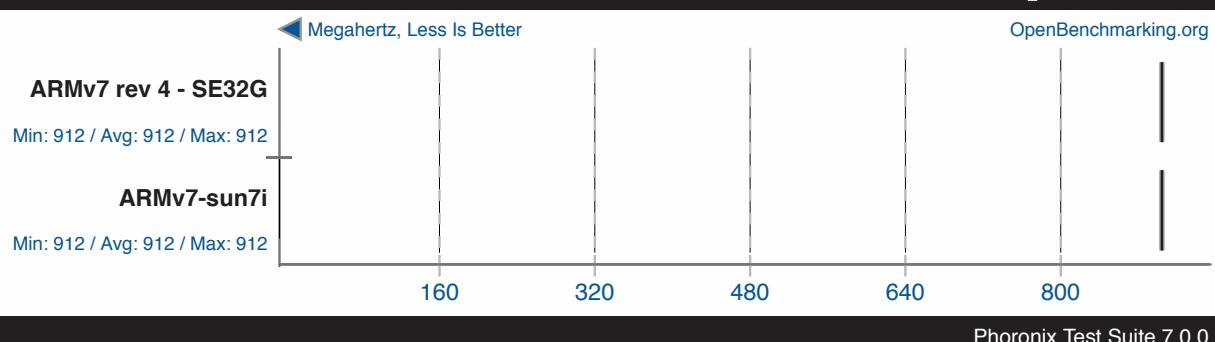
ptsli



RAMspeed SMP v3.5.0

CPU Frequency Monitor

ptsli



RAMspeed SMP v3.5.0

CPU Frequency Monitor



OpenBenchmarking.org

ARMv7 rev 4 - SE32G

Min: 912 / Avg: 912 / Max: 912

ARMv7-sun7i

Min: 912 / Avg: 912 / Max: 912

160 320 480 640 800

Phoronix Test Suite 7.0.0

RAMspeed SMP v3.5.0

CPU Frequency Monitor



OpenBenchmarking.org

ARMv7 rev 4 - SE32G

Min: 912 / Avg: 912 / Max: 912

ARMv7-sun7i

Min: 912 / Avg: 912 / Max: 912

160 320 480 640 800

Phoronix Test Suite 7.0.0

RAMspeed SMP v3.5.0

CPU Frequency Monitor



OpenBenchmarking.org

ARMv7 rev 4 - SE32G

Min: 912 / Avg: 912 / Max: 912

ARMv7-sun7i

Min: 912 / Avg: 912 / Max: 912

160 320 480 640 800

Phoronix Test Suite 7.0.0

Loopback TCP Network Performance

CPU Frequency Monitor



OpenBenchmarking.org

ARMv7 rev 4 - SE32G

Min: 912 / Avg: 912 / Max: 912

ARMv7-sun7i

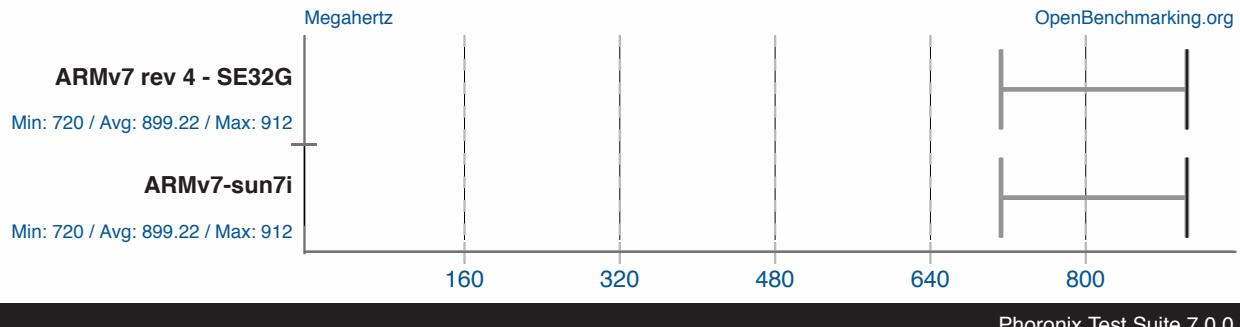
Min: 912 / Avg: 912 / Max: 912

160 320 480 640 800

Phoronix Test Suite 7.0.0

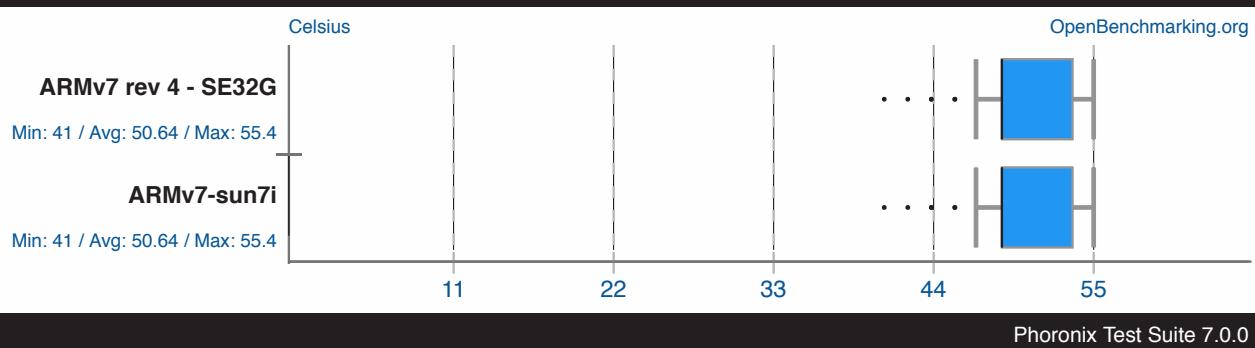
CPU Frequency Monitor

Phoronix Test Suite System Monitoring



System Temperature Monitor

Phoronix Test Suite System Monitoring

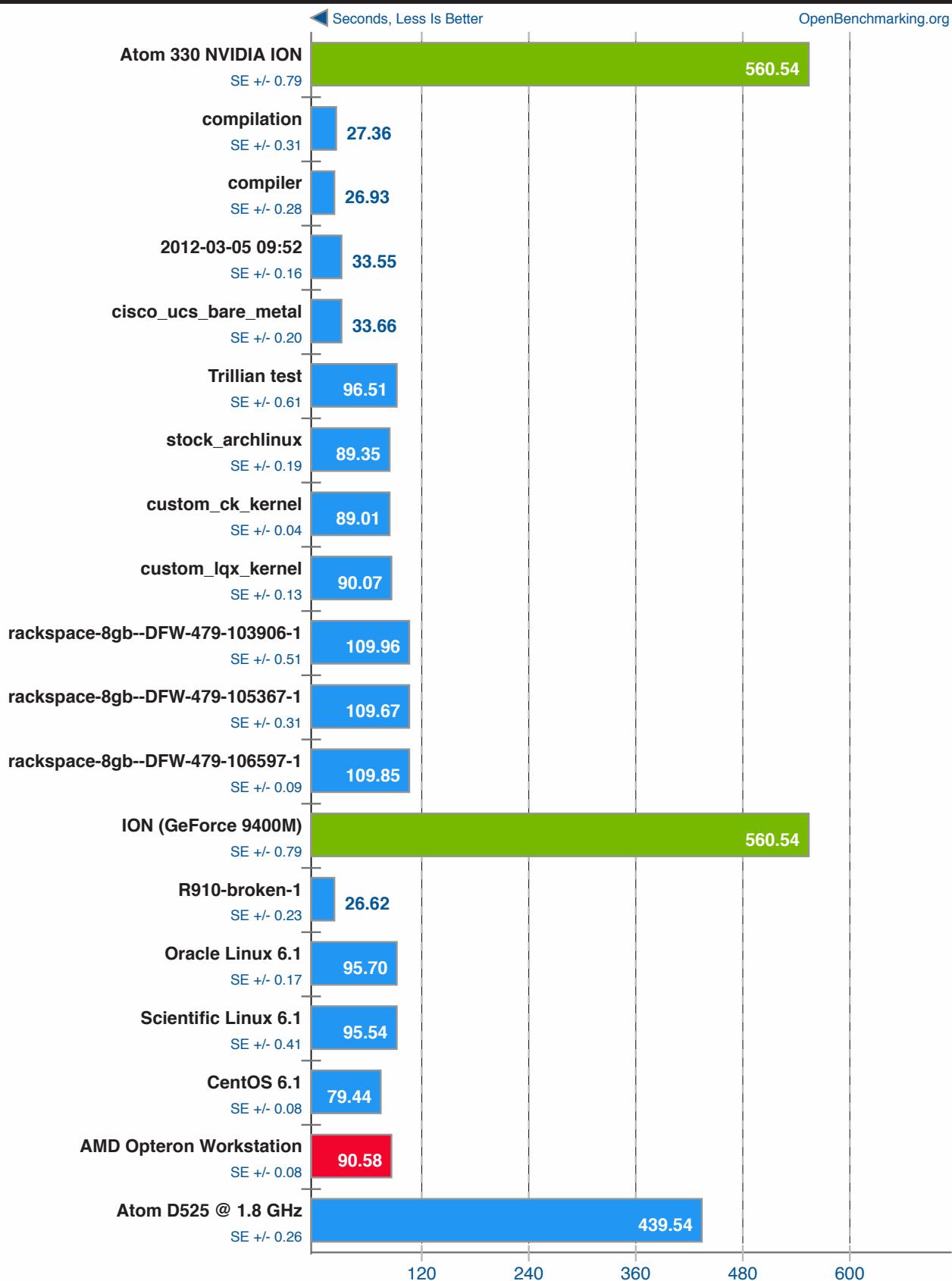


Timed ImageMagick Compilation v6.6.3-4

Time To Compile

ptsli.

OpenBenchmarking.org



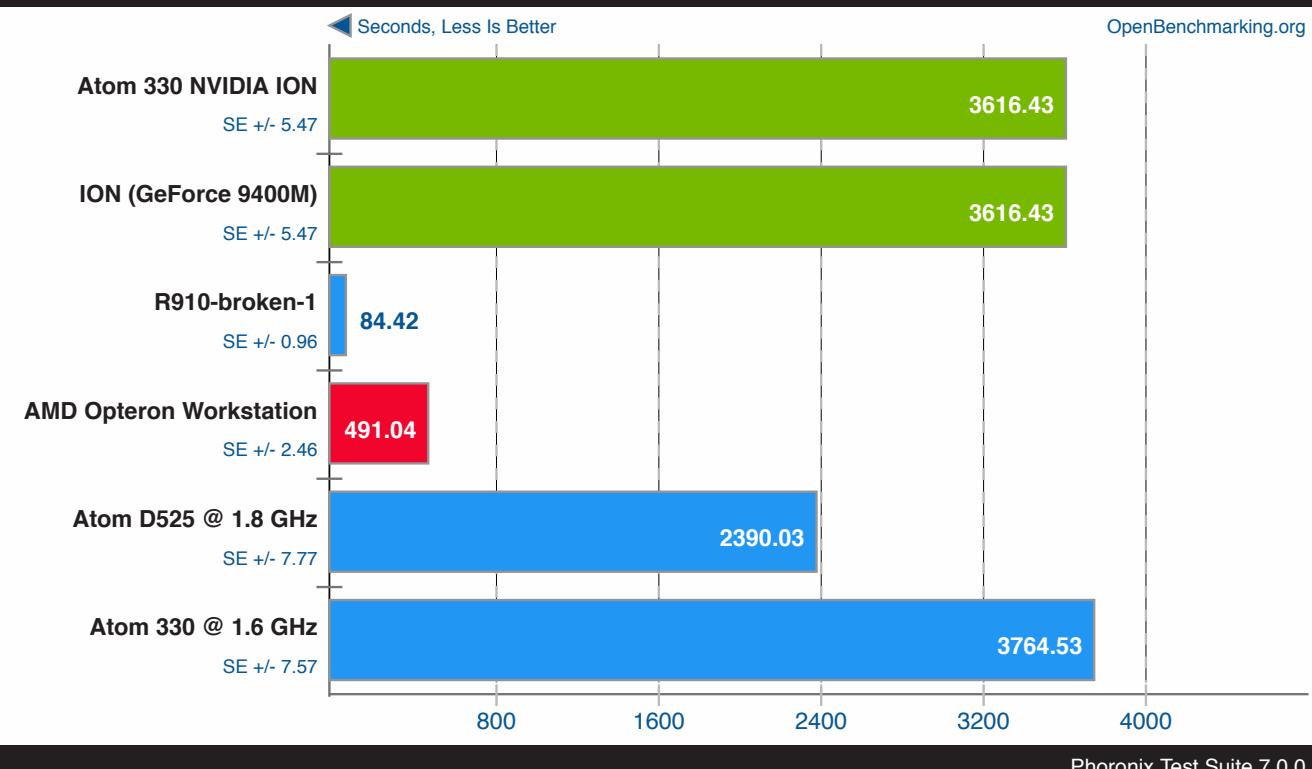
Phoronix Test Suite 7.0.0

Timed Linux Kernel Compilation v2.6.25

Time To Compile



OpenBenchmarking.org



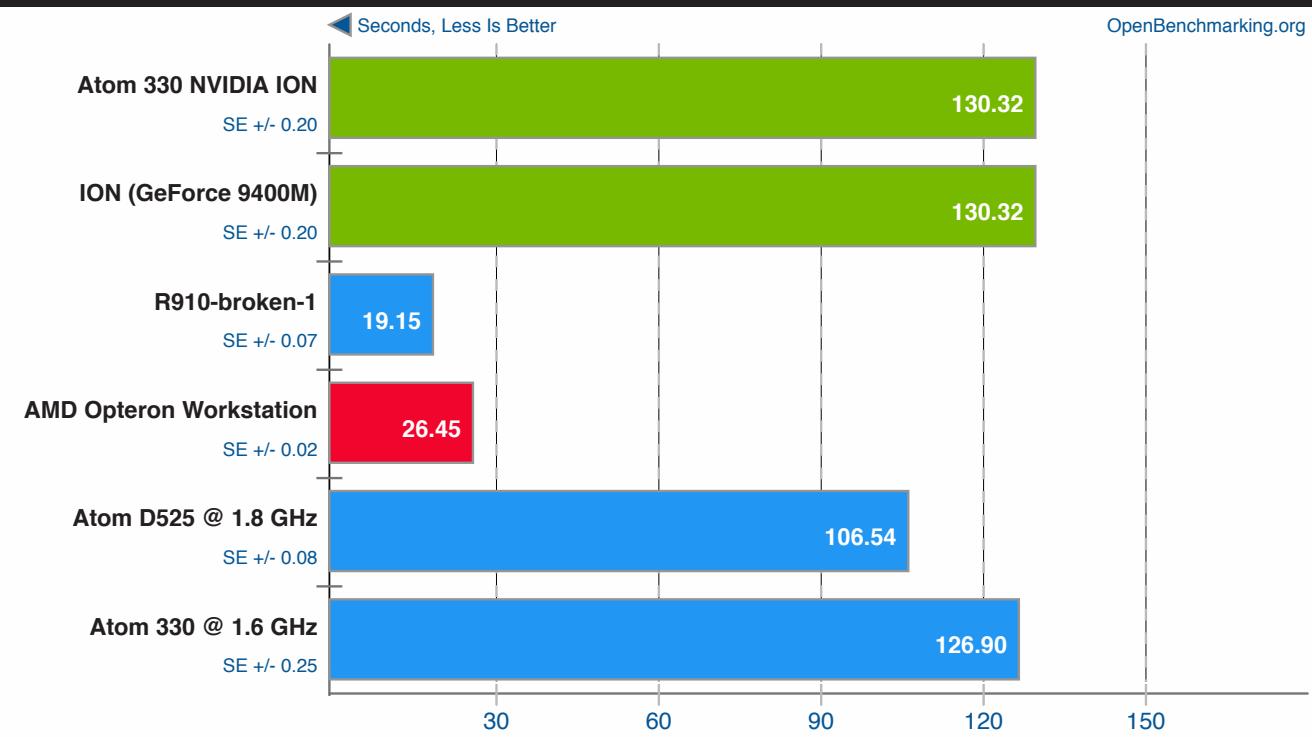
Phoronix Test Suite 7.0.0

Bullet Physics Engine v2.75

Test: 3000 Fall



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

Bullet Physics Engine v2.75

Test: 1000 Stack



OpenBenchmarking.org



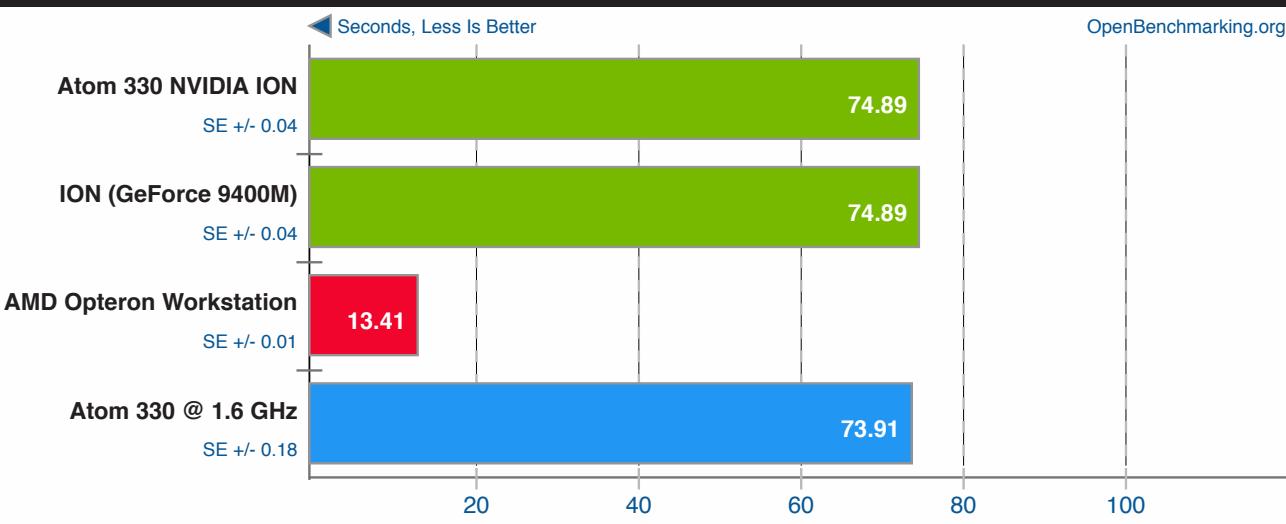
Phoronix Test Suite 7.0.0

Bullet Physics Engine v2.75

Test: 136 Ragdolls



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

Bullet Physics Engine v2.75

Test: 1000 Convex



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

Bullet Physics Engine v2.75

Test: Prim Trimesh



OpenBenchmarking.org



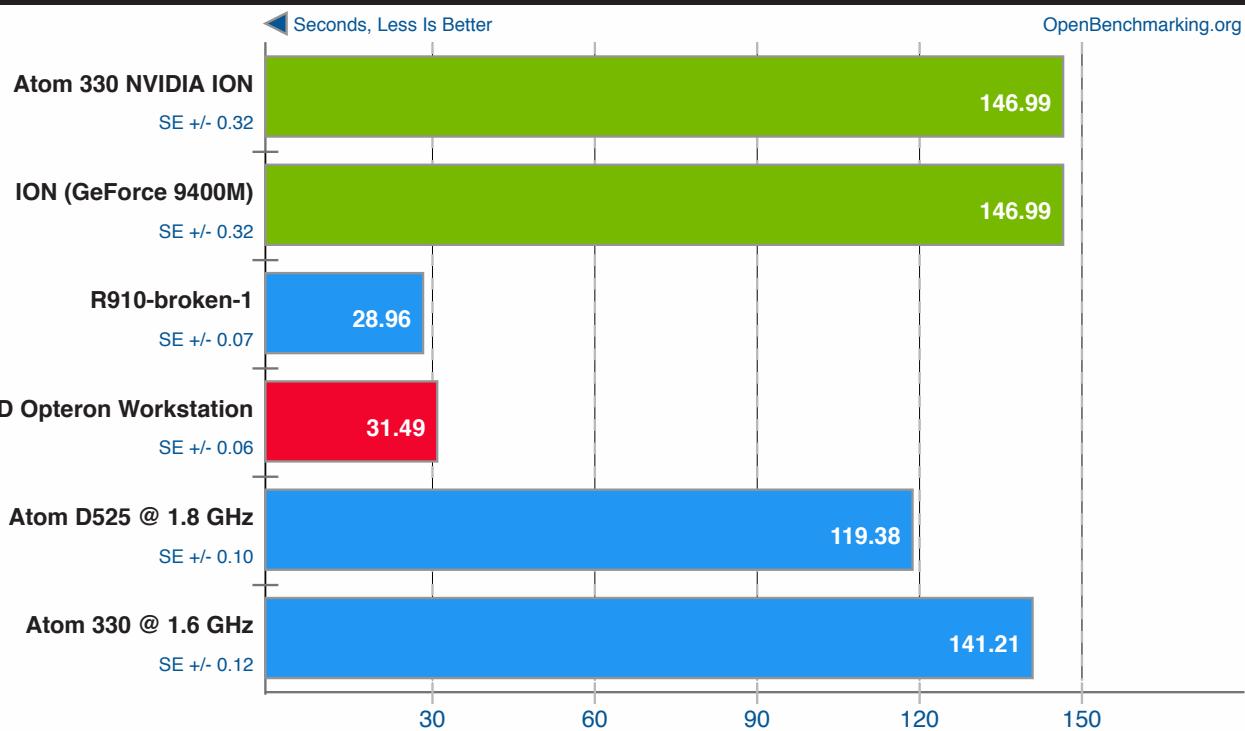
Phoronix Test Suite 7.0.0

Bullet Physics Engine v2.75

Test: Convex Trimesh



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

Bullet Physics Engine v2.75

Test: Raytests



OpenBenchmarking.org



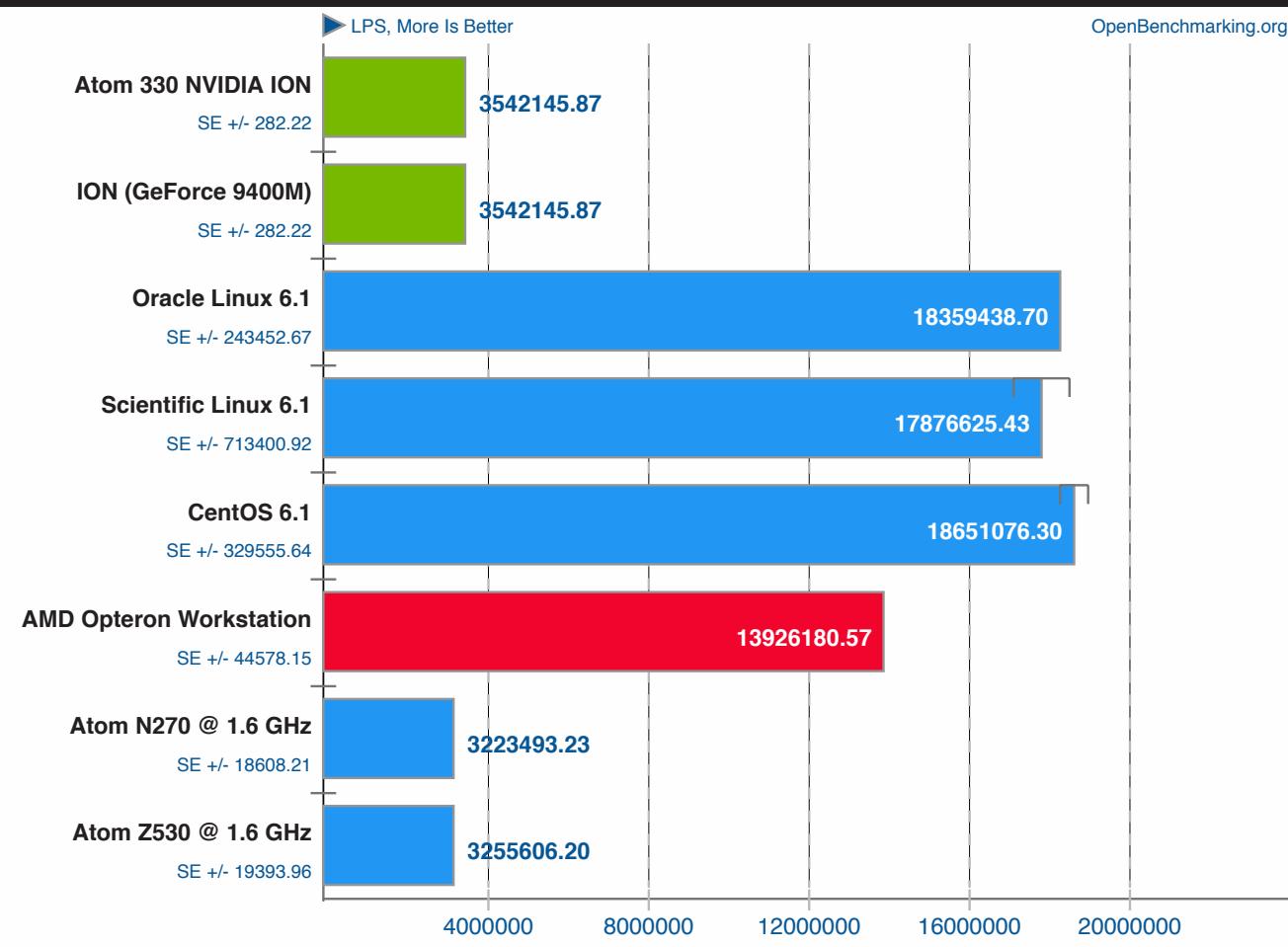
Phoronix Test Suite 7.0.0

BYTE Unix Benchmark v3.6

Computational Test: Dhrystone 2

ptsli

OpenBenchmarking.org



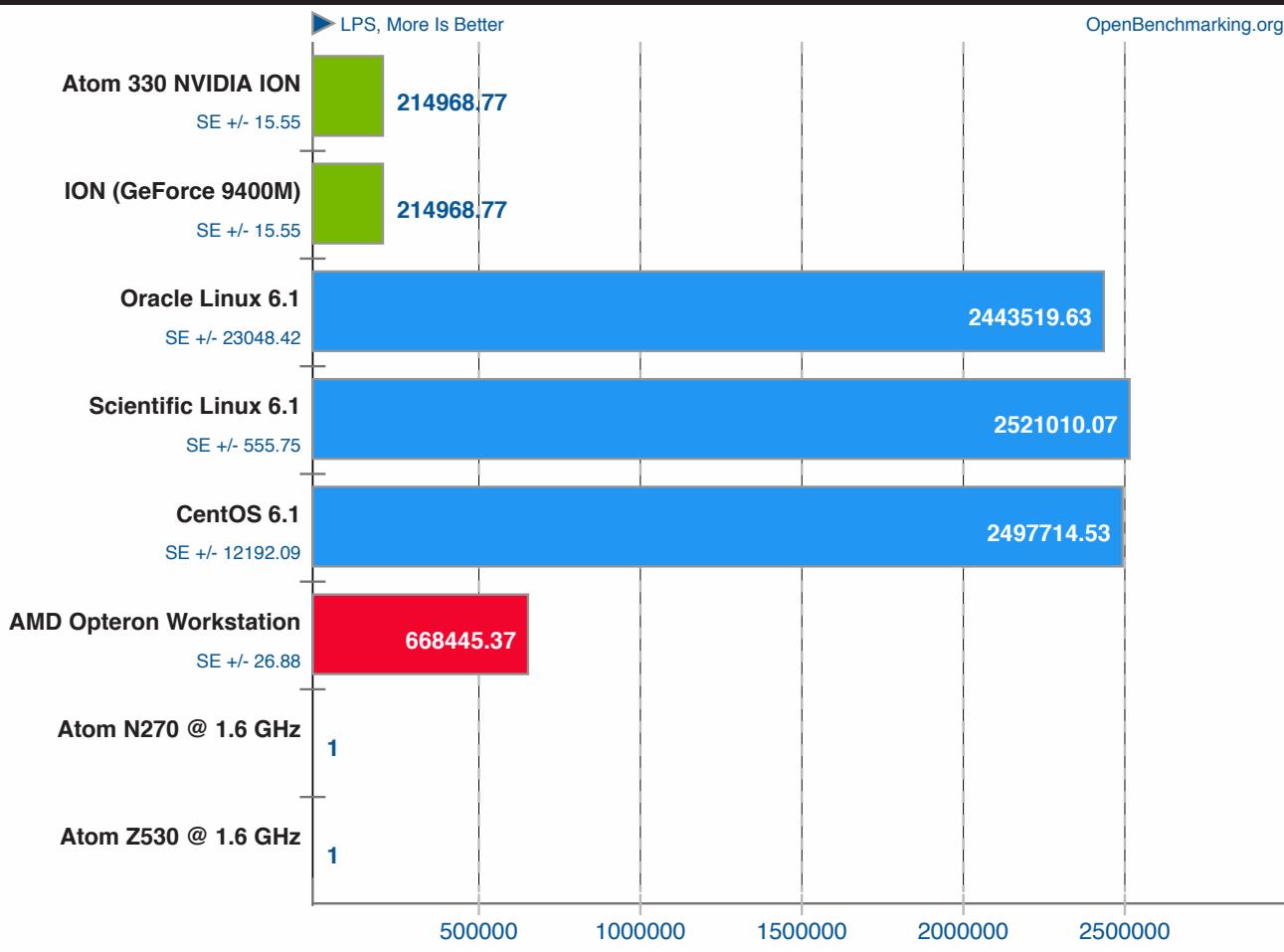
Phoronix Test Suite 7.0.0

BYTE Unix Benchmark v3.6

Computational Test: Register Arithmetic

ptsli

OpenBenchmarking.org



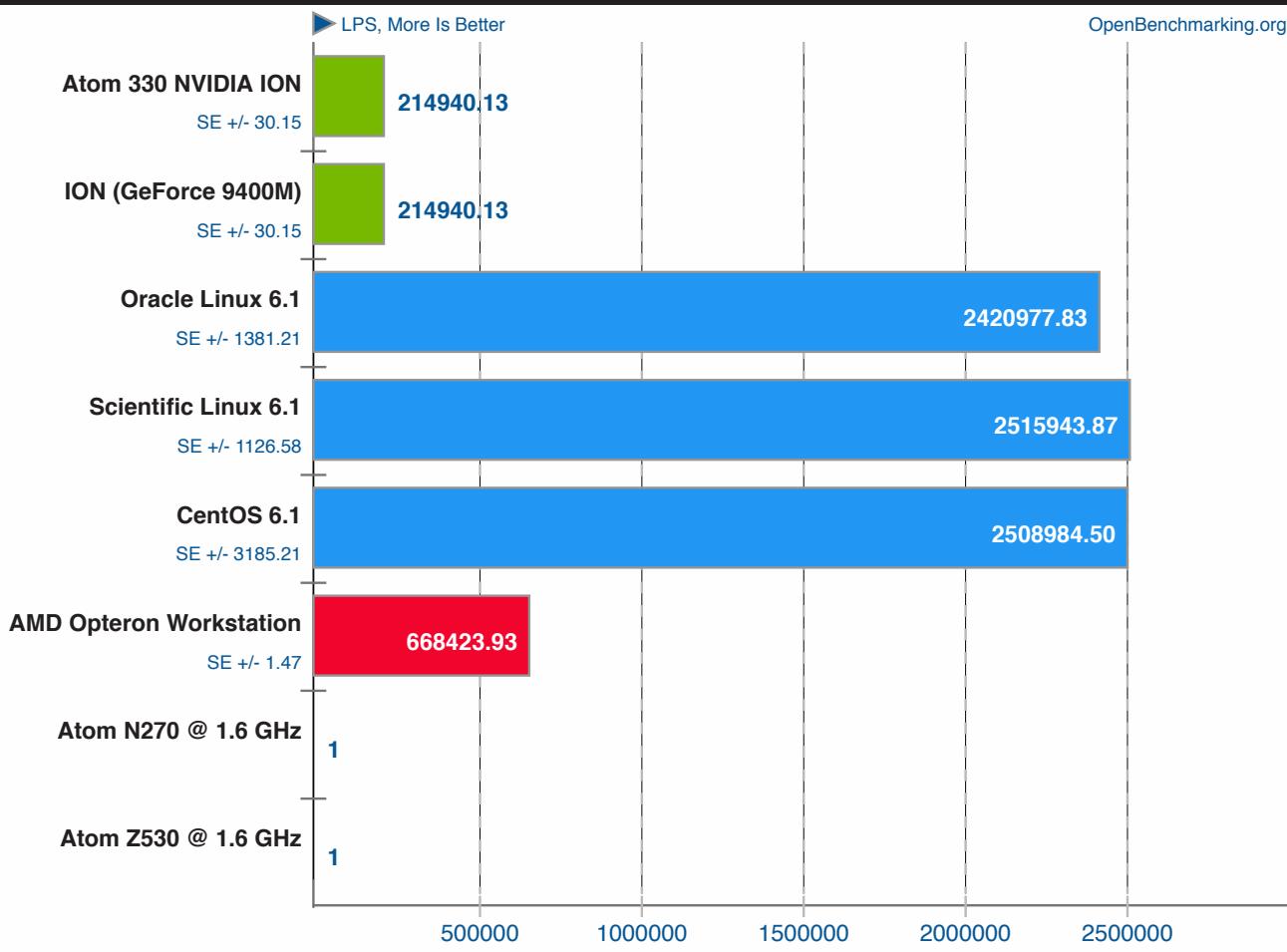
Phoronix Test Suite 7.0.0

BYTE Unix Benchmark v3.6

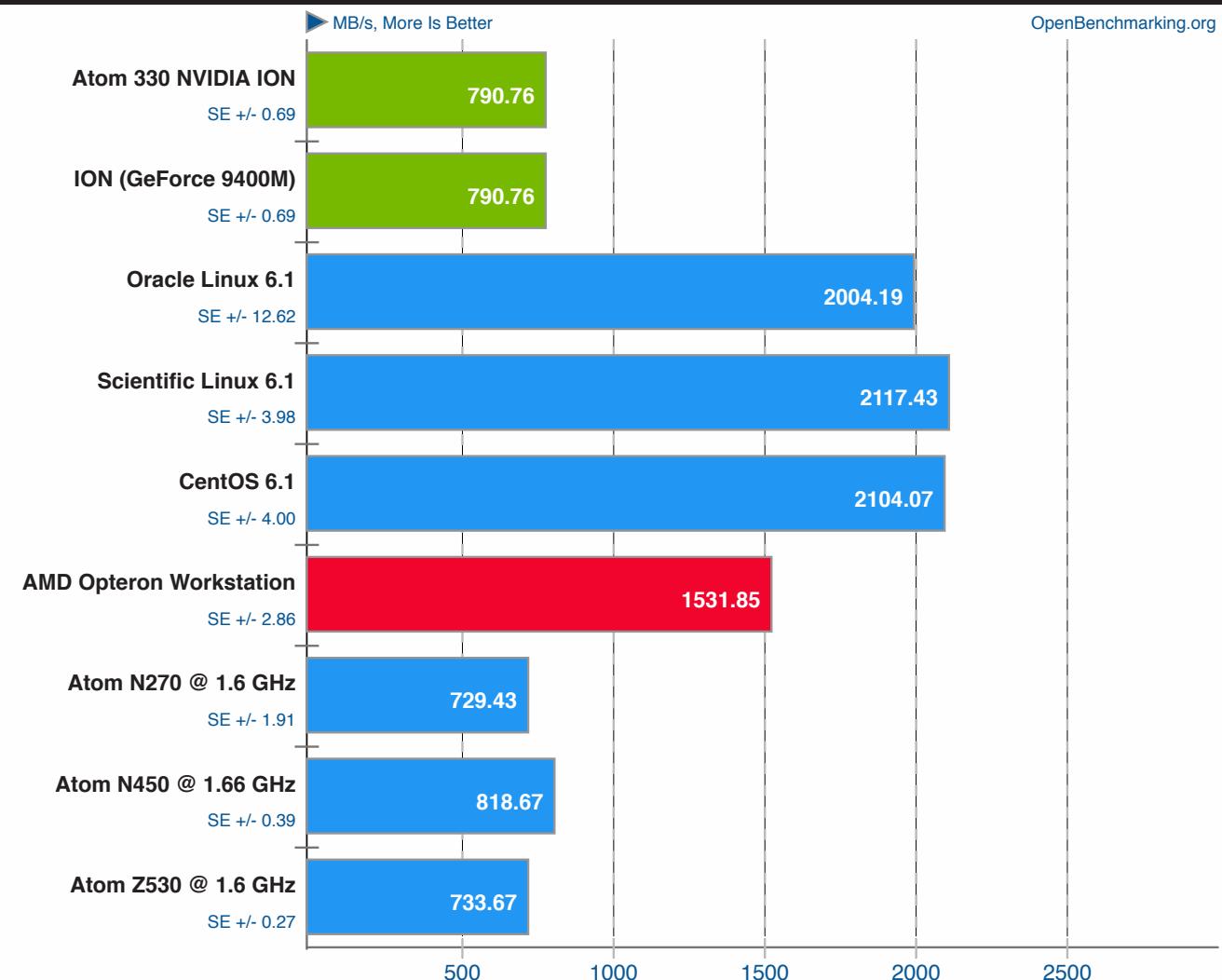
Computational Test: Integer Arithmetic

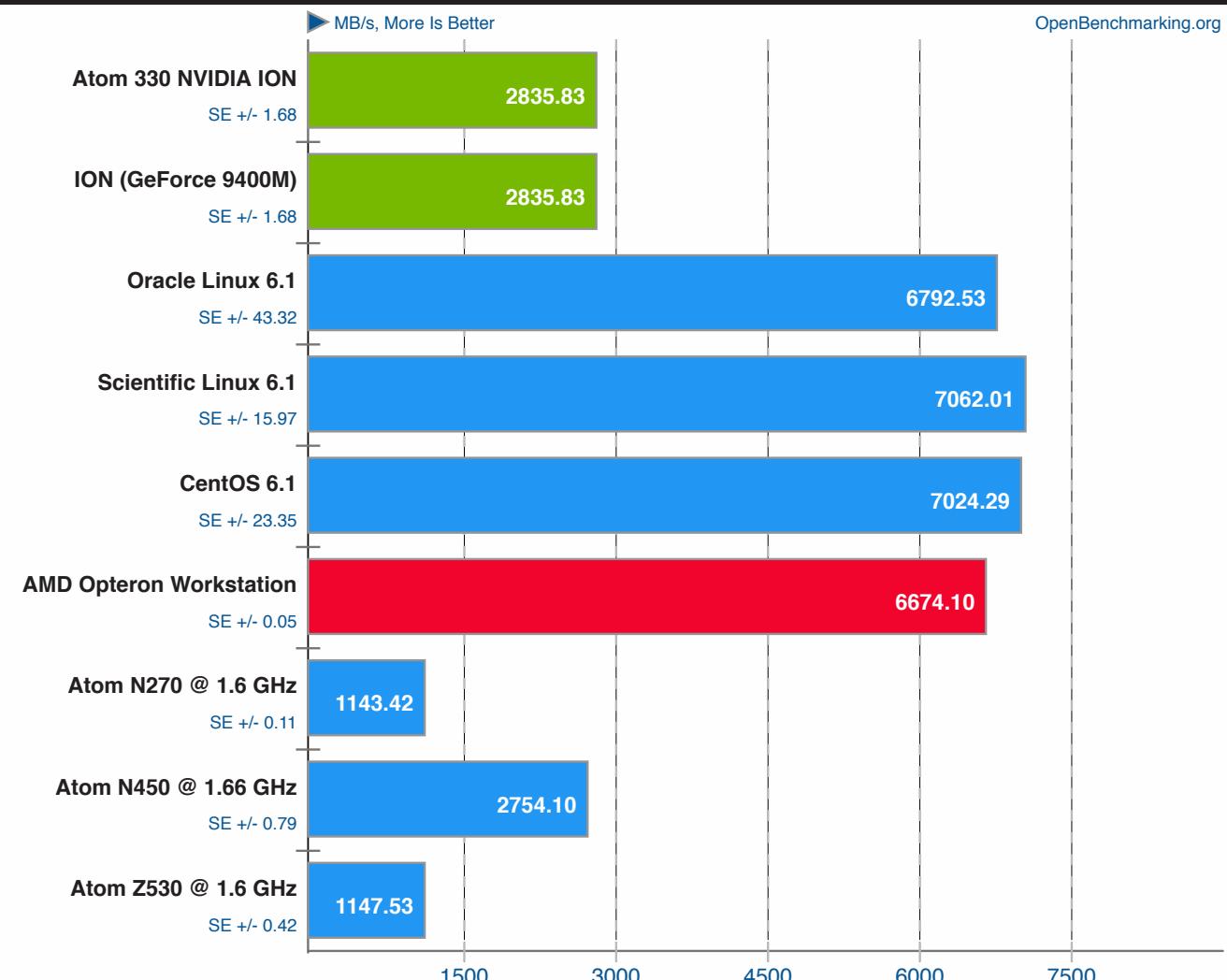
ptsli

OpenBenchmarking.org



Phoronix Test Suite 7.0.0



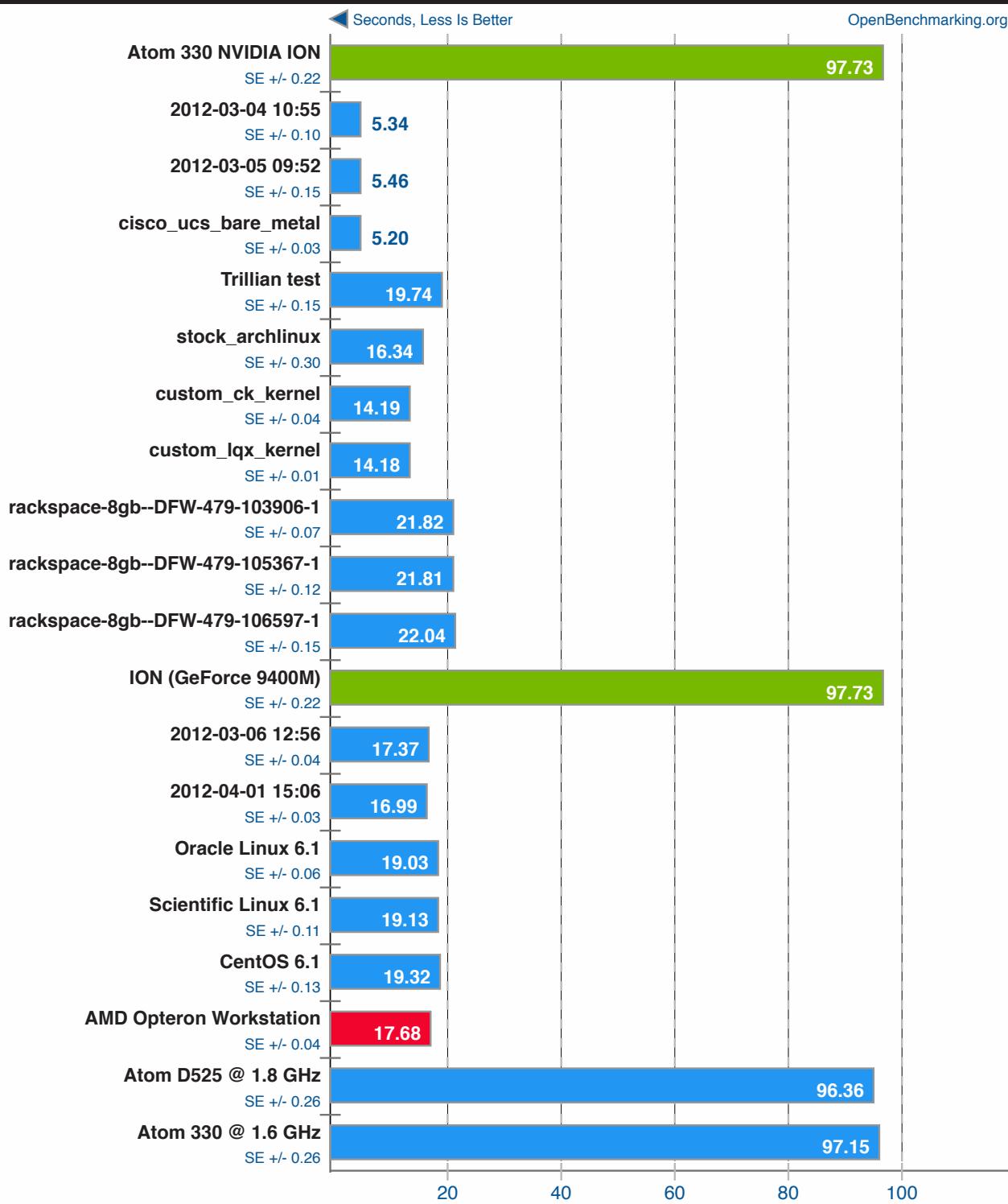


Parallel BZIP2 Compression v1.0.5

256MB File Compression



OpenBenchmarking.org



1. (CXX) g++ options: -O2 -pthread -lpthread -lbz2

Phoronix Test Suite 7.0.0

Crafty v23.3

Elapsed Time

ptsli

Seconds, Less Is Better

OpenBenchmarking.org

Atom 330 NVIDIA ION

SE +/- 1.86

2281.54

ION (GeForce 9400M)

SE +/- 1.86

2281.54

R910-broken-1

SE +/- 1.98

523.49

AMD Opteron Workstation

SE +/- 1.16

540.36

500

1000

1500

2000

2500



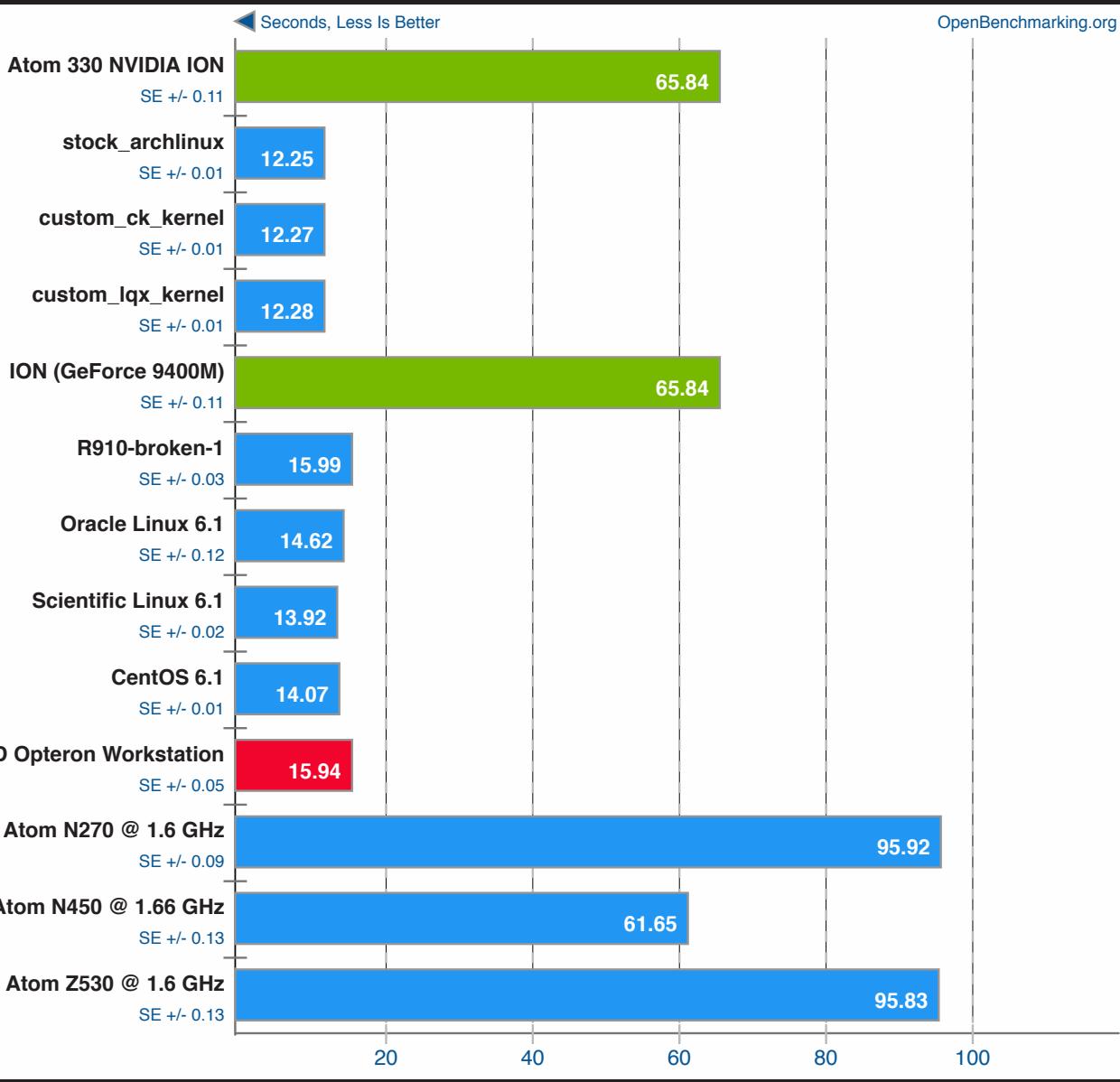
Phoronix Test Suite 7.0.0

Ogg Encoding v1.2.0

WAV To Ogg



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

Flexible IO Tester v1.21

Test: Intel IOMeter File Server Access Pattern



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

Flexible IO Tester v1.21

Test: Example Network Job

ptsli

Seconds (Run Time), Less Is Better

OpenBenchmarking.org

Atom 330 NVIDIA ION

SE +/- 0.25

66.67

ION (GeForce 9400M)

SE +/- 0.25

66.67

15

30

45

60

75



Phoronix Test Suite 7.0.0

GMPbench v0.1

Total Time

ptsli

GMPbench Score, More Is Better

OpenBenchmarking.org

Atom 330 NVIDIA ION

SE +/- 0.10

1988.30

ION (GeForce 9400M)

SE +/- 0.10

1988.30

R910-broken-1

SE +/- 20.10

9971.80

AMD Opteron Workstation

SE +/- 24.00

17106

4000

8000

12000

16000

20000



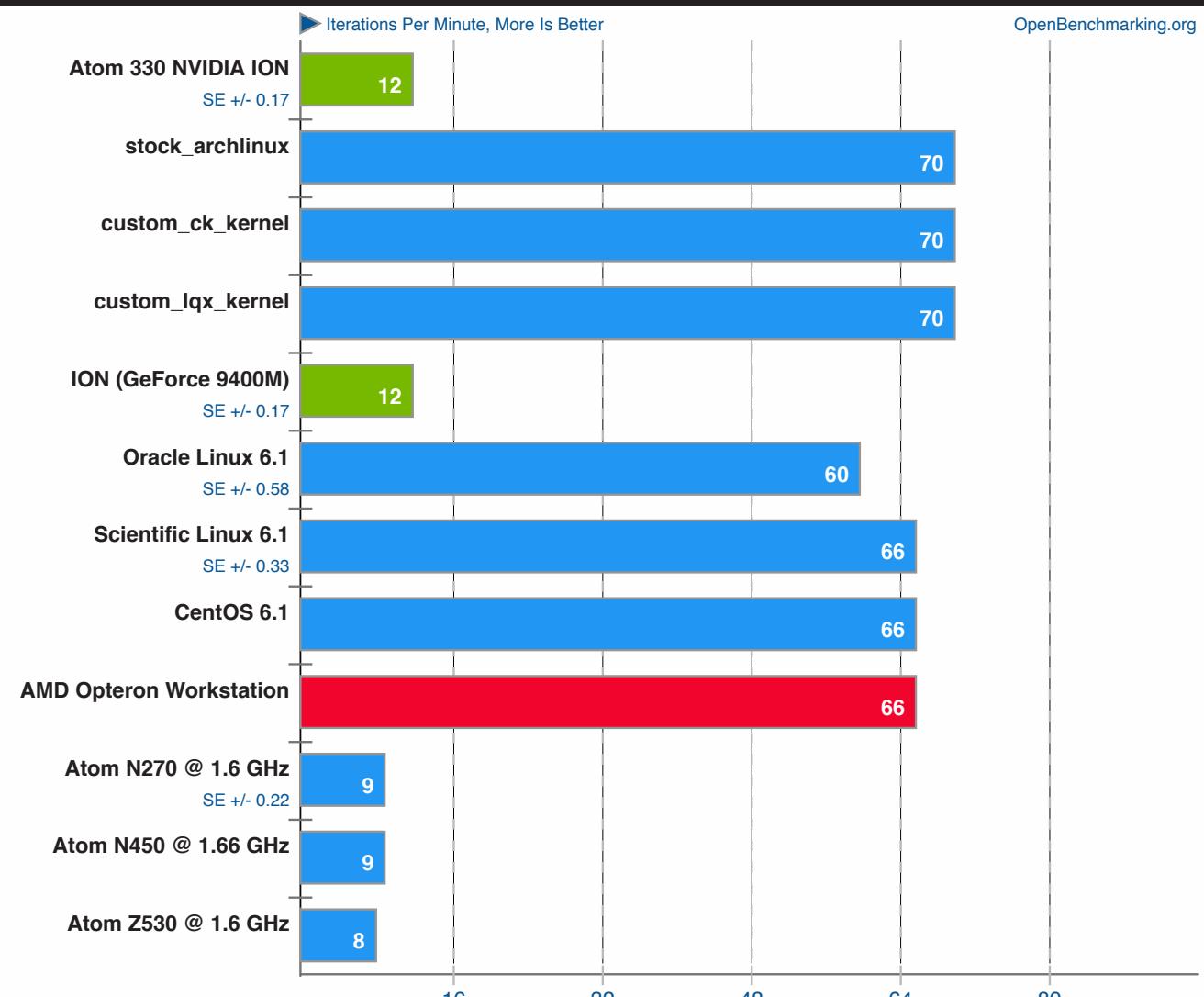
Phoronix Test Suite 7.0.0

GraphicsMagick v1.3.12

Operation: Blur

ptsli.

OpenBenchmarking.org



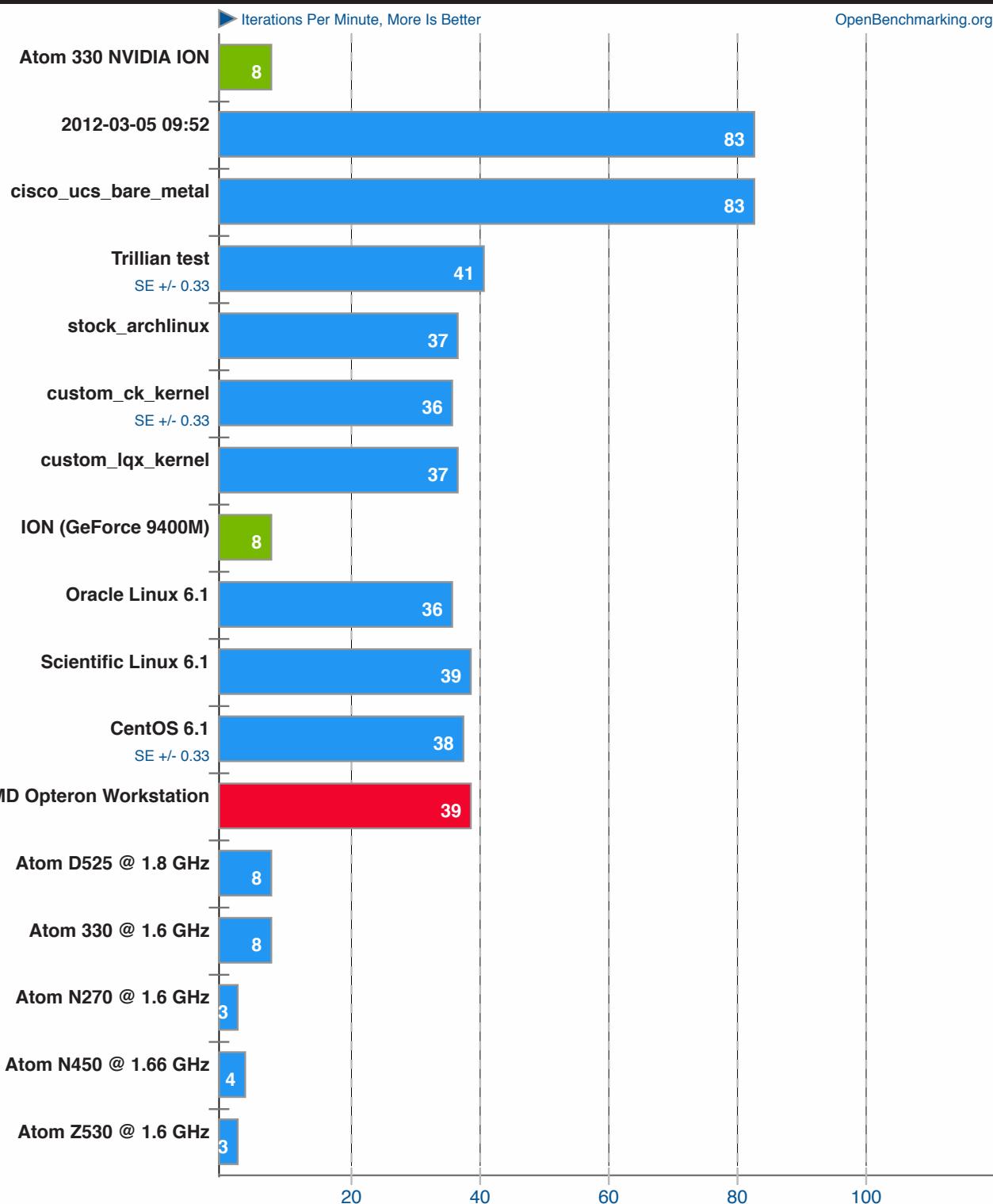
Phoronix Test Suite 7.0.0

GraphicsMagick v1.3.12

Operation: Local Adaptive Thresholding

ptsli

OpenBenchmarking.org



1. (CC) gcc options: -std=gnu99 -fopenmp -O2 -pthread -lc -lXext -lSM -lICE -lX11 -lbz2 -lz -lm -lgomp -lpthread

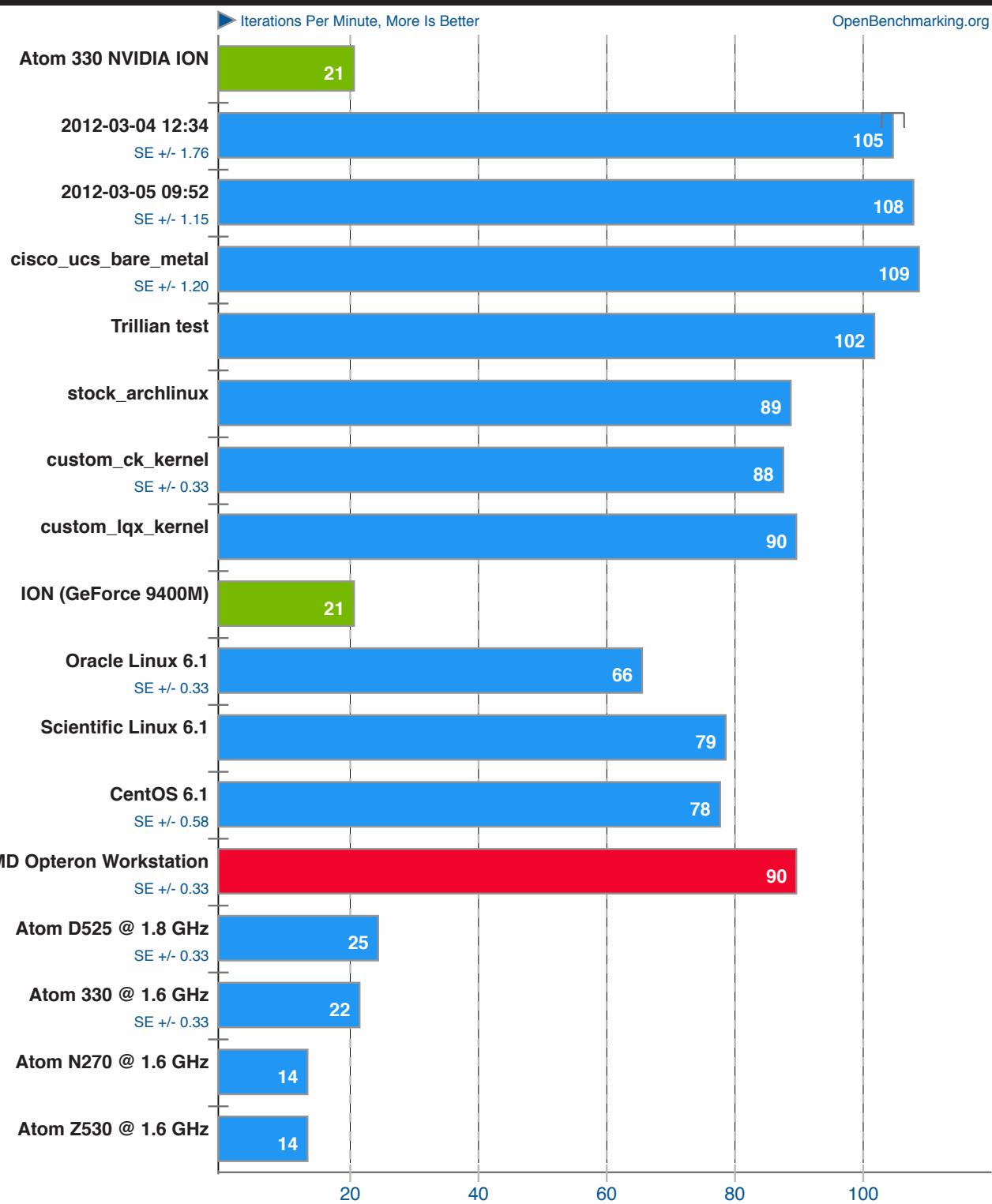
Phoronix Test Suite 7.0.0

GraphicsMagick v1.3.12

Operation: Resizing

ptsli.

OpenBenchmarking.org



1. (CC) gcc options: -std=gnu99 -fopenmp -O2 -pthread -lc -lXext -lSM -lICE -lX11 -lbz2 -lz -lm -lgomp -lpthread

Phoronix Test Suite 7.0.0

IOzone v3.347

Record Size: 1MB - File Size: 512MB - Disk Test: Write Performance



OpenBenchmarking.org

Atom 330 NVIDIA ION

SE +/- 0.77

80.99

ION (GeForce 9400M)

SE +/- 0.77

80.99

20 40 60 80 100



Phoronix Test Suite 7.0.0

IOzone v3.347

Record Size: 1MB - File Size: 512MB - Disk Test: Read Performance



OpenBenchmarking.org

Atom 330 NVIDIA ION

SE +/- 0.66

889.01

ION (GeForce 9400M)

SE +/- 0.66

889.01

200 400 600 800 1000



Phoronix Test Suite 7.0.0

IOzone v3.347

Record Size: 1MB - File Size: 2GB - Disk Test: Write Performance



OpenBenchmarking.org

Atom 330 NVIDIA ION

SE +/- 0.55

64.94

ION (GeForce 9400M)

SE +/- 0.55

64.94

14 28 42 56 70



Phoronix Test Suite 7.0.0

IOzone v3.347

Record Size: 1MB - File Size: 2GB - Disk Test: Read Performance



OpenBenchmarking.org

Atom 330 NVIDIA ION

SE +/- 0.59

61.29

ION (GeForce 9400M)

SE +/- 0.59

61.29

14 28 42 56 70



Phoronix Test Suite 7.0.0

IOzone v3.347

Record Size: 1MB - File Size: 4GB - Disk Test: Write Performance



OpenBenchmarking.org



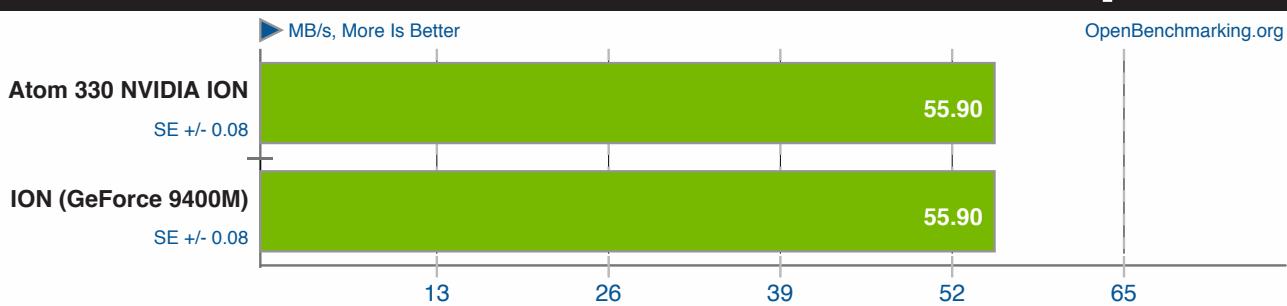
Phoronix Test Suite 7.0.0

IOzone v3.347

Record Size: 1MB - File Size: 4GB - Disk Test: Read Performance



OpenBenchmarking.org



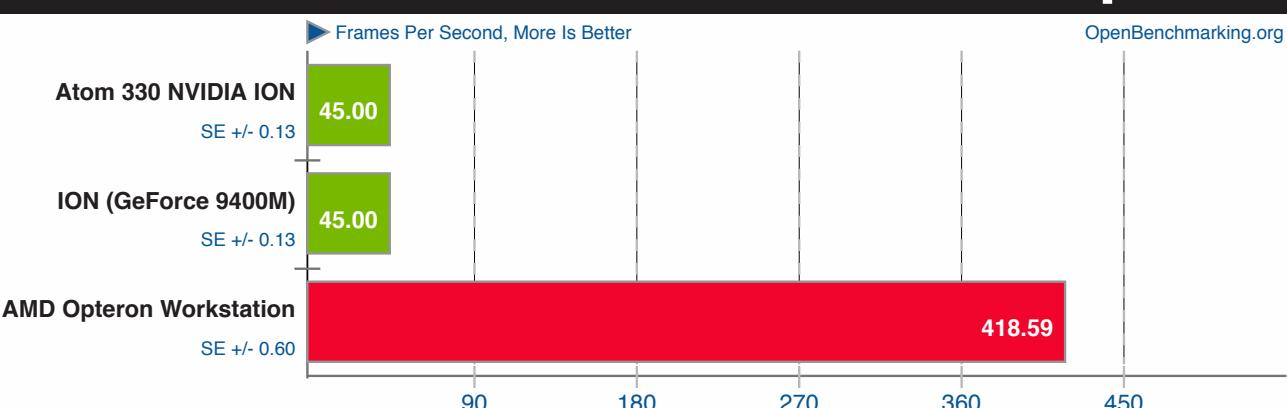
Phoronix Test Suite 7.0.0

Lightsmark v2008

Resolution: 800 x 600



OpenBenchmarking.org



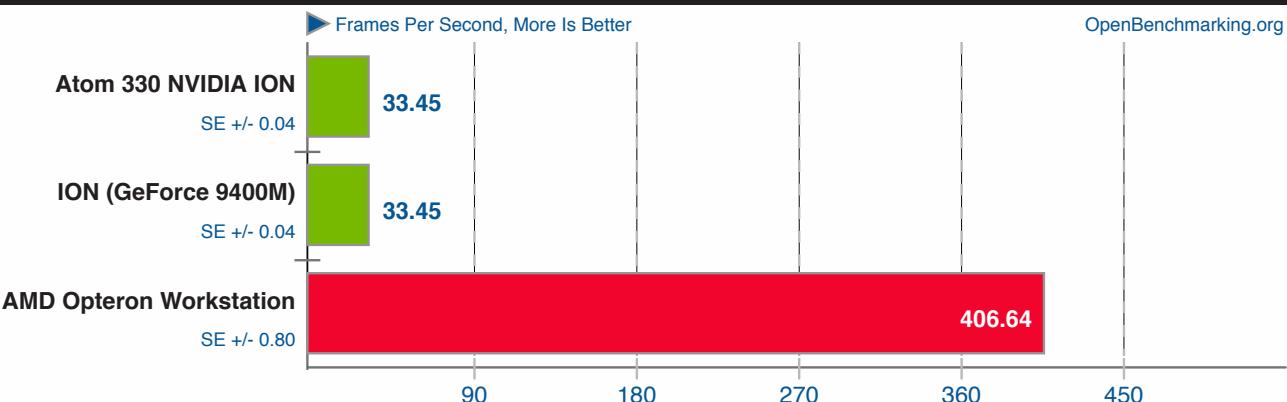
Phoronix Test Suite 7.0.0

Lightsmark v2008

Resolution: 1024 x 768



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

Lightsmark v2008

Resolution: 1366 x 768



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

Minion v0.9

Benchmark: Bibd



OpenBenchmarking.org



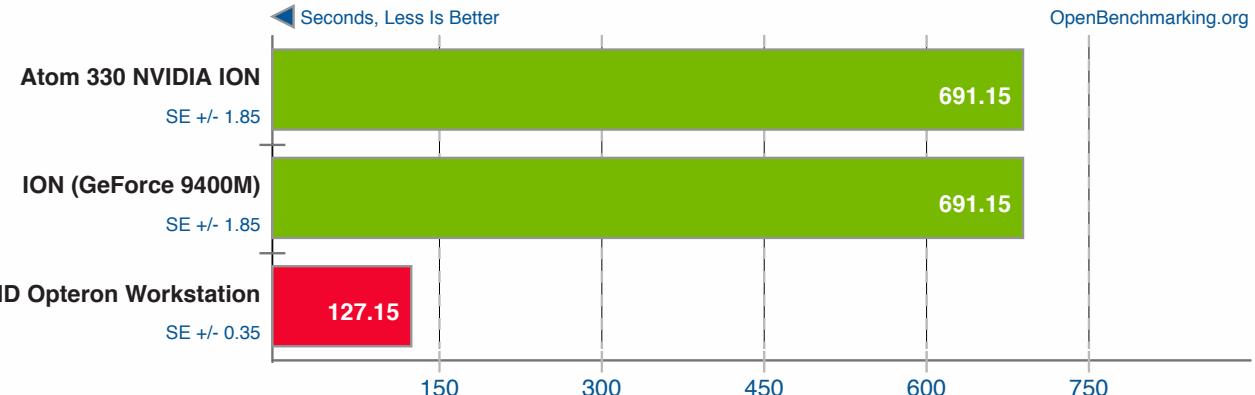
Phoronix Test Suite 7.0.0

Minion v0.9

Benchmark: Graceful



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

Minion v0.9

Benchmark: Quasigroup



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

Nexuiz v2.5.2

Resolution: 800 x 600 - HDR: Yes - Sound: On



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

Nexuiz v2.5.2

Resolution: 800 x 600 - HDR: Yes - Sound: Off



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

Nexuiz v2.5.2

Resolution: 800 x 600 - HDR: No - Sound: On



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

Nexuiz v2.5.2

Resolution: 800 x 600 - HDR: No - Sound: Off



OpenBenchmarking.org



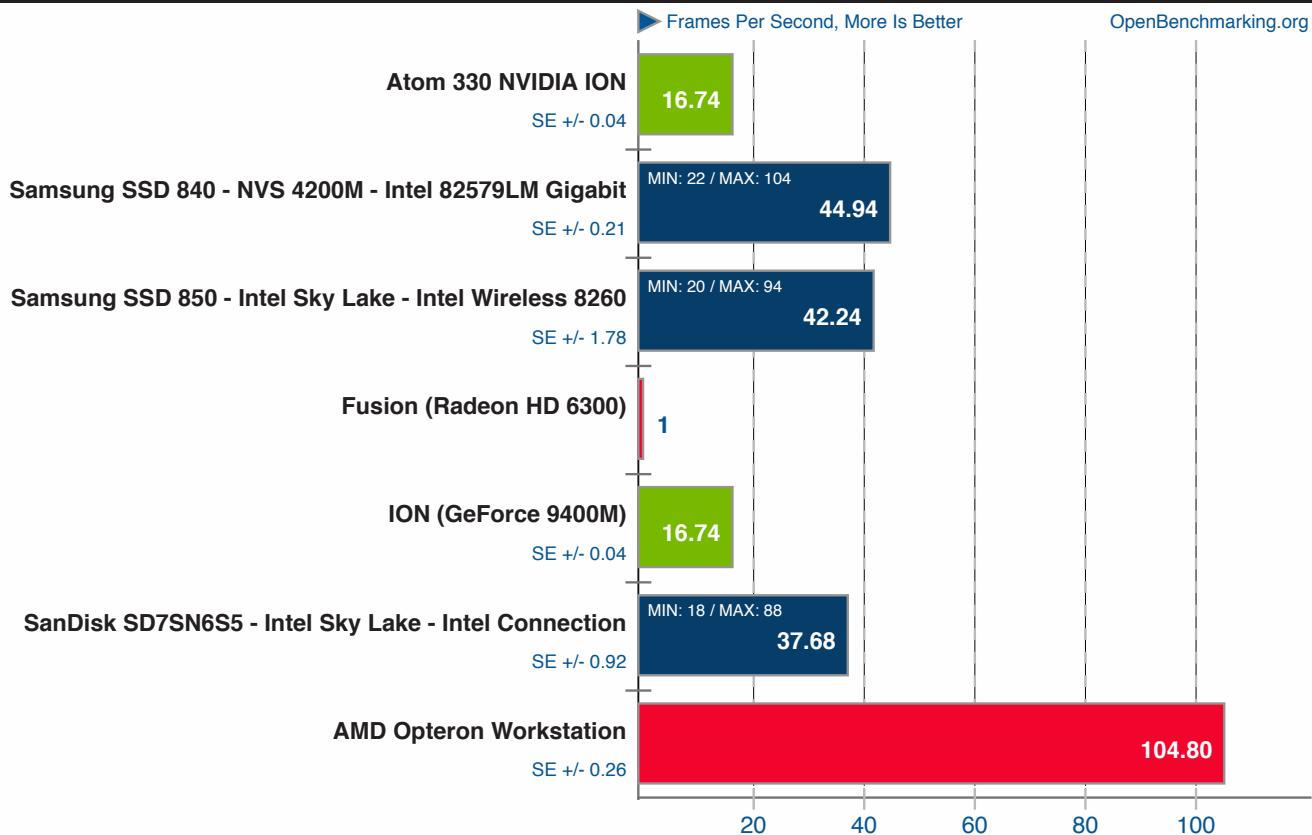
Phoronix Test Suite 7.0.0

Nexuiz v2.5.2

Resolution: 1024 x 768 - HDR: Yes - Sound: On



OpenBenchmarking.org



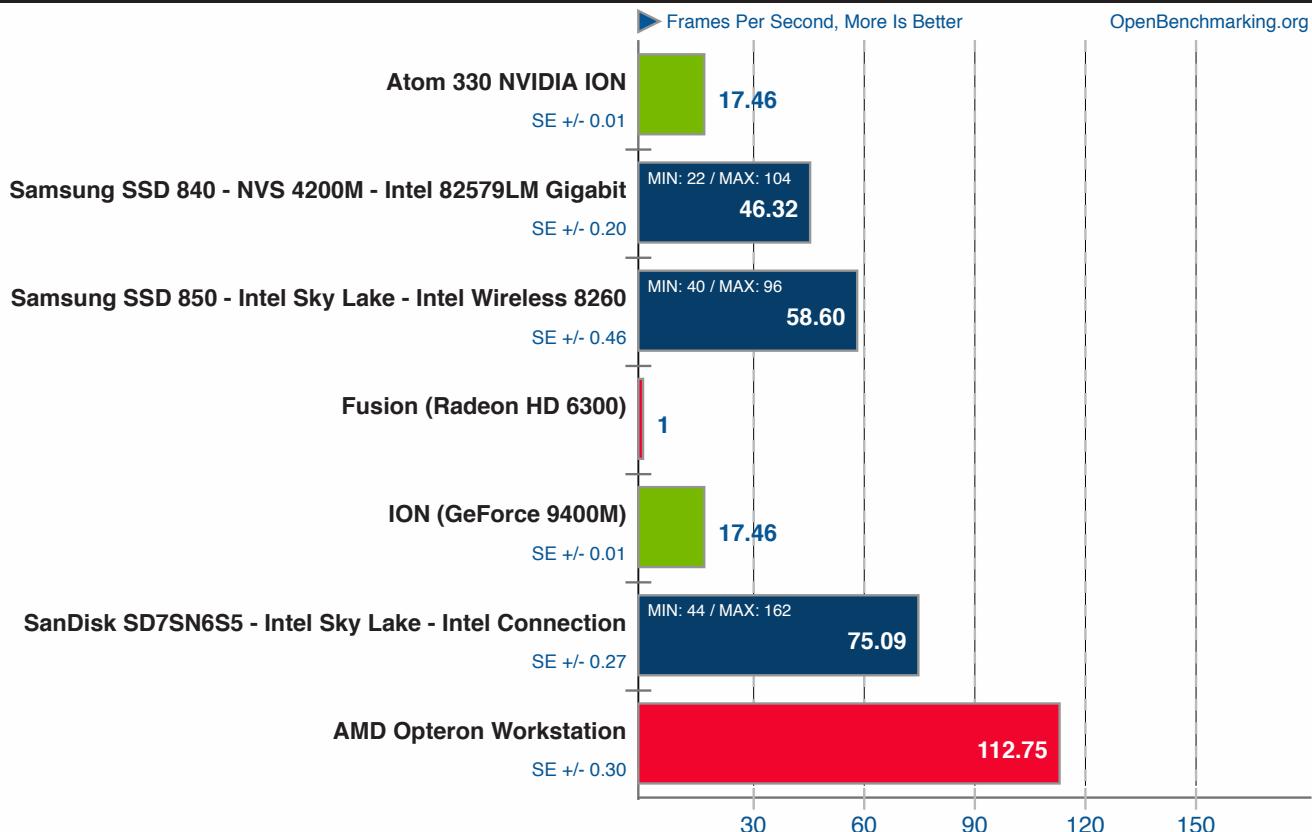
Phoronix Test Suite 7.0.0

Nexuiz v2.5.2

Resolution: 1024 x 768 - HDR: Yes - Sound: Off



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

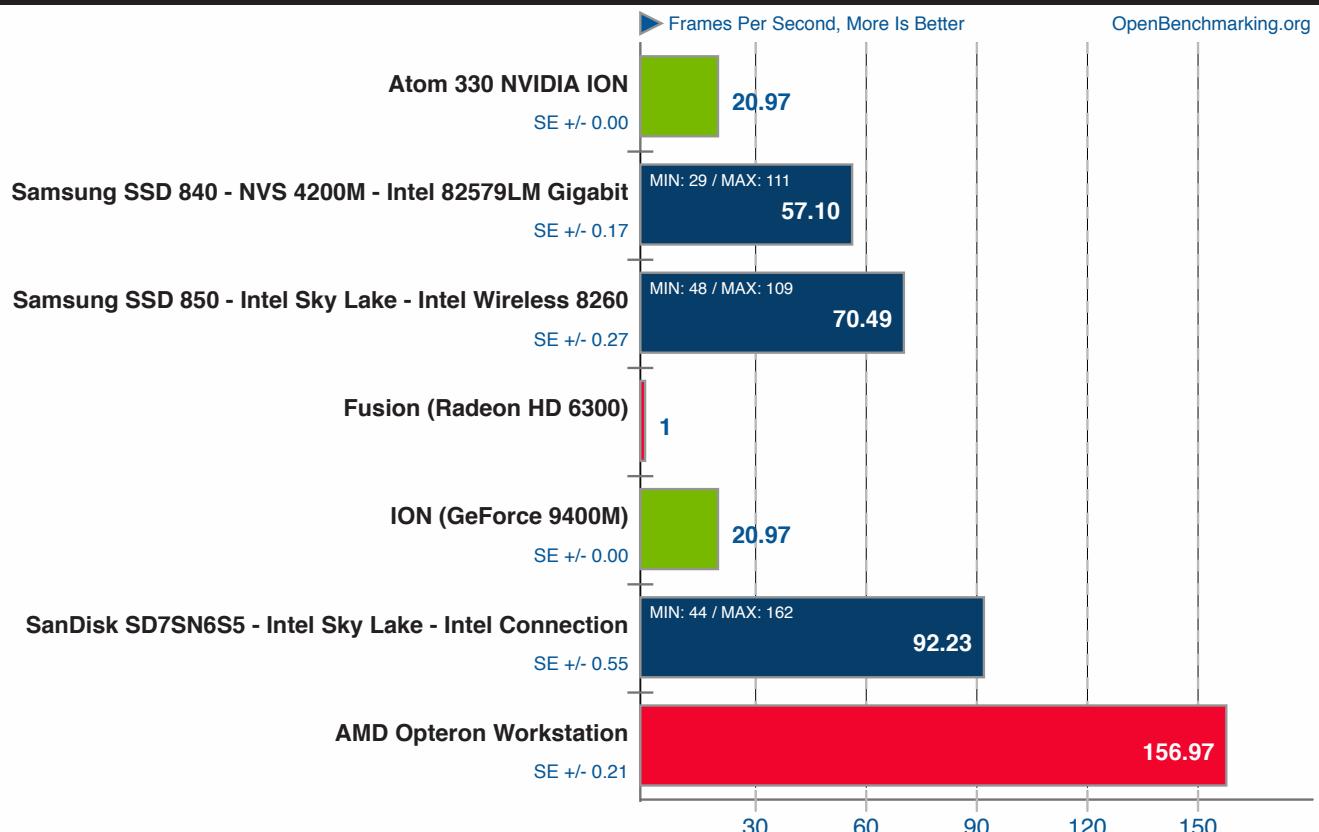


Nexuiz v2.5.2

Resolution: 1024 x 768 - HDR: No - Sound: On



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

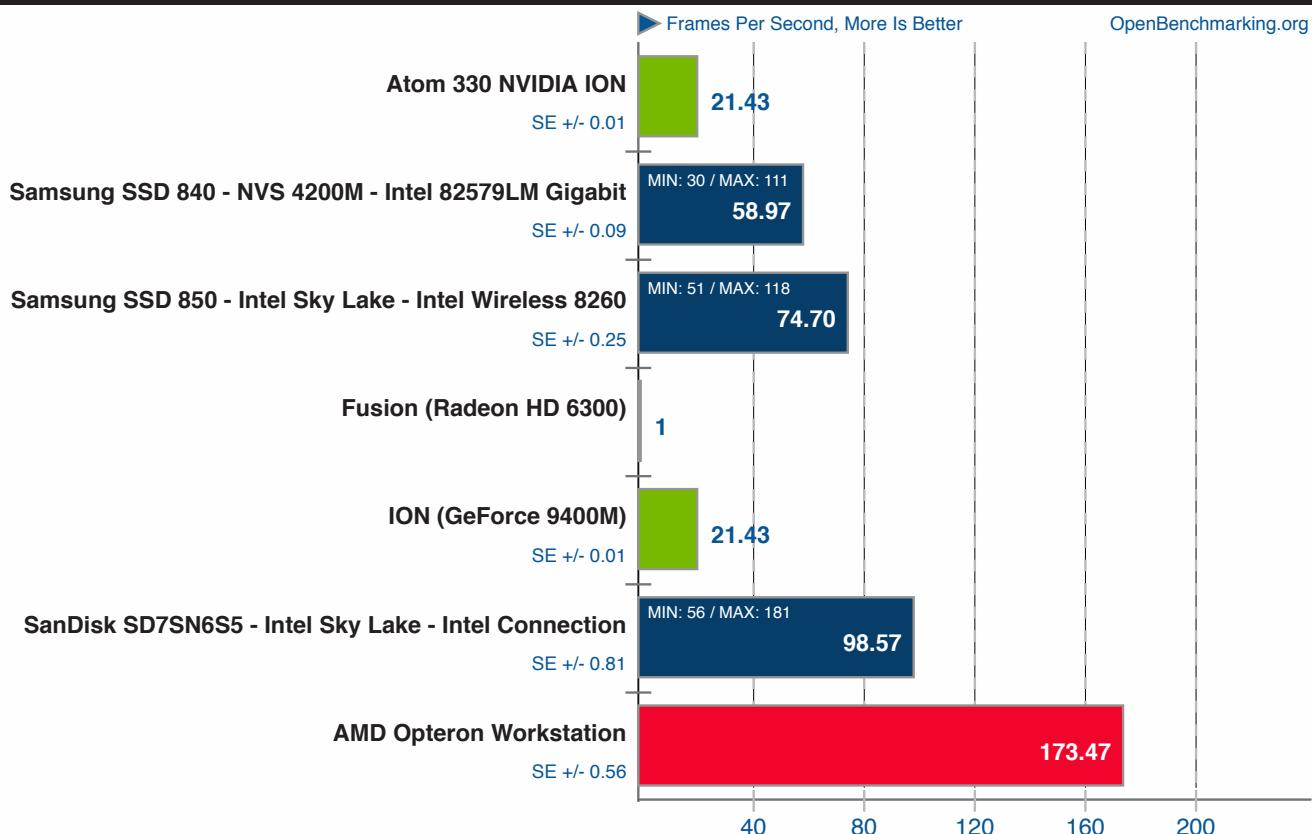


Nexuiz v2.5.2

Resolution: 1024 x 768 - HDR: No - Sound: Off



OpenBenchmarking.org



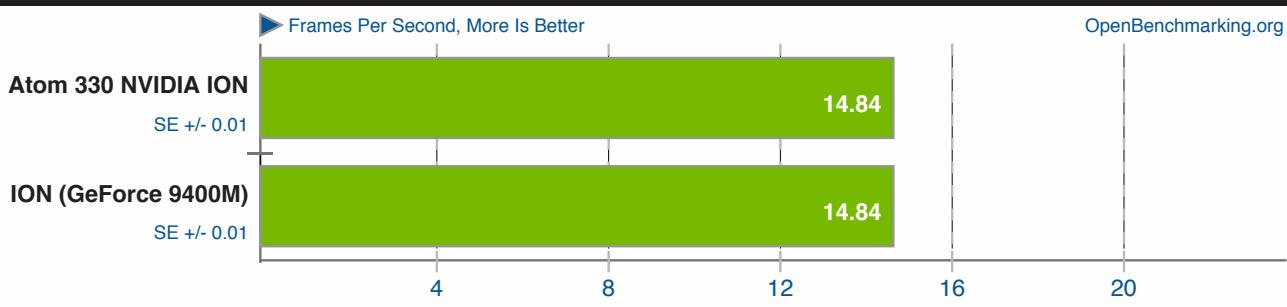
Phoronix Test Suite 7.0.0

Nexuiz v2.5.2

Resolution: 1366 x 768 - HDR: Yes - Sound: On



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

Nexuiz v2.5.2

Resolution: 1366 x 768 - HDR: Yes - Sound: Off



OpenBenchmarking.org

Atom 330 NVIDIA ION

SE +/- 0.03

15.29

ION (GeForce 9400M)

SE +/- 0.03

15.29

4 8 12 16 20



Phoronix Test Suite 7.0.0

Nexuiz v2.5.2

Resolution: 1366 x 768 - HDR: No - Sound: On



OpenBenchmarking.org

Atom 330 NVIDIA ION

SE +/- 0.02

17.94

ION (GeForce 9400M)

SE +/- 0.02

17.94

4 8 12 16 20



Phoronix Test Suite 7.0.0

Nexuiz v2.5.2

Resolution: 1366 x 768 - HDR: No - Sound: Off



OpenBenchmarking.org

Atom 330 NVIDIA ION

SE +/- 0.02

18.13

ION (GeForce 9400M)

SE +/- 0.02

18.13

4 8 12 16 20



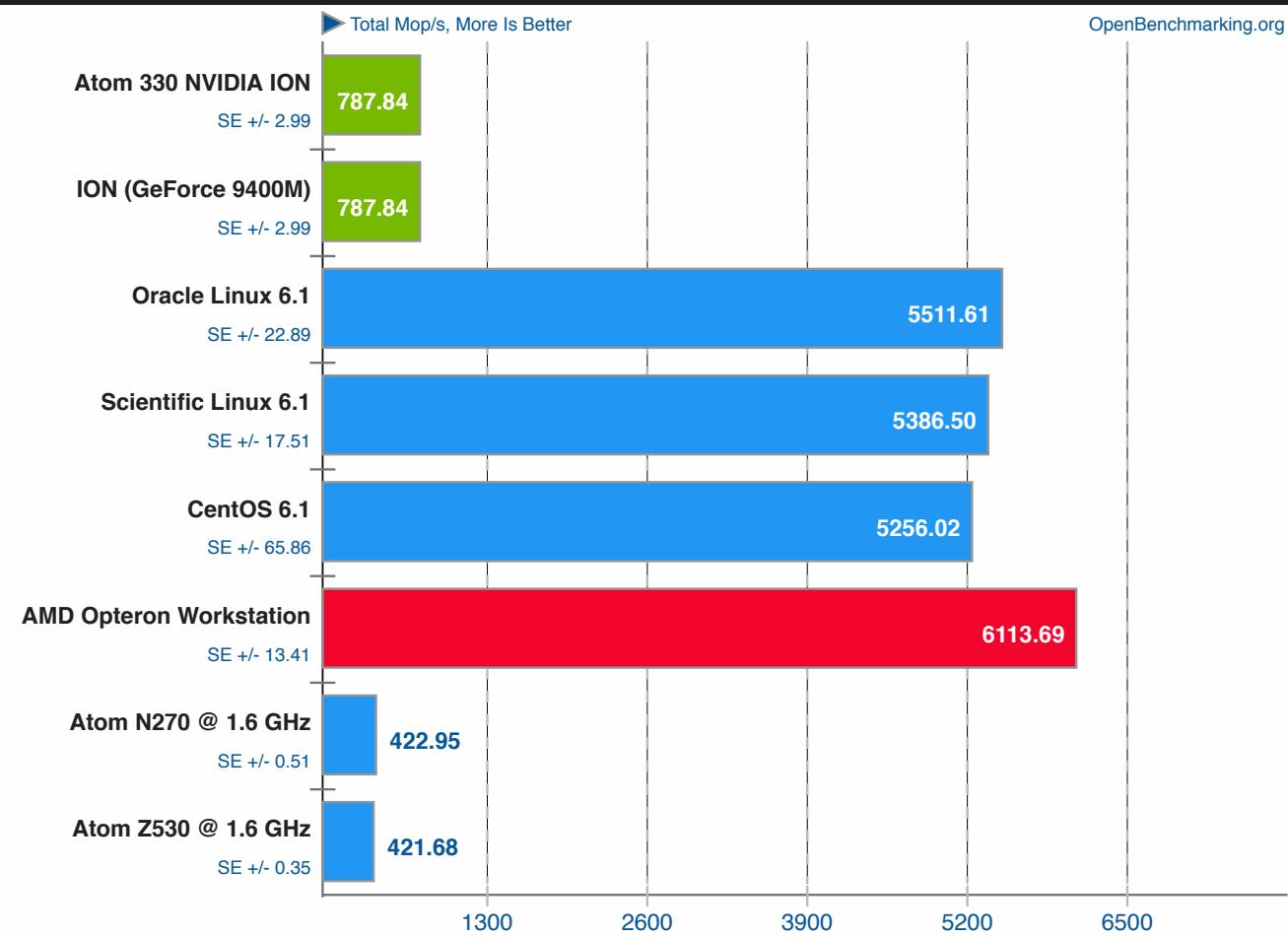
Phoronix Test Suite 7.0.0

NAS Parallel Benchmarks v3.3

Test / Class: BT.A



OpenBenchmarking.org



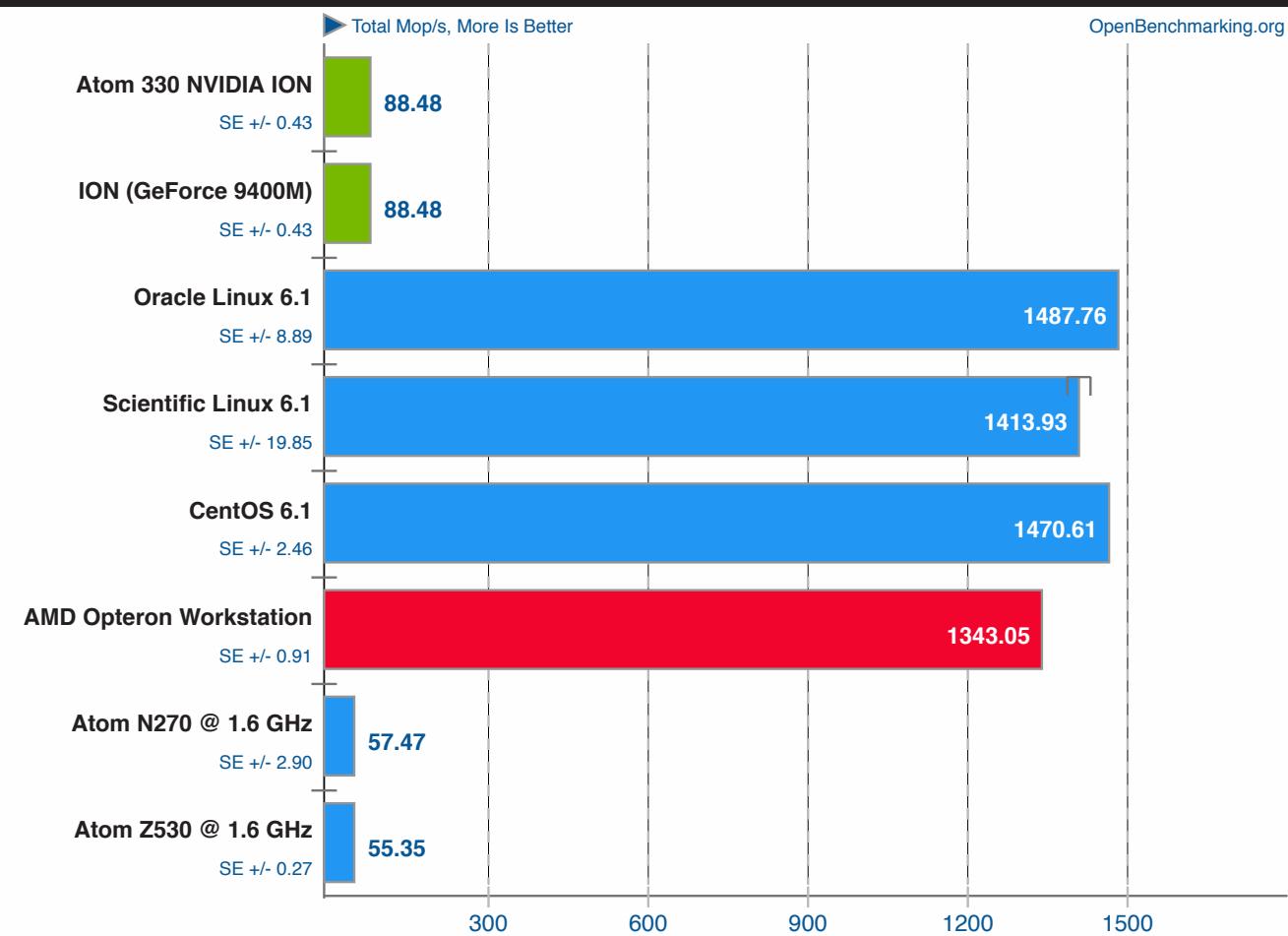
Phoronix Test Suite 7.0.0

NAS Parallel Benchmarks v3.3

Test / Class: CG.B



OpenBenchmarking.org



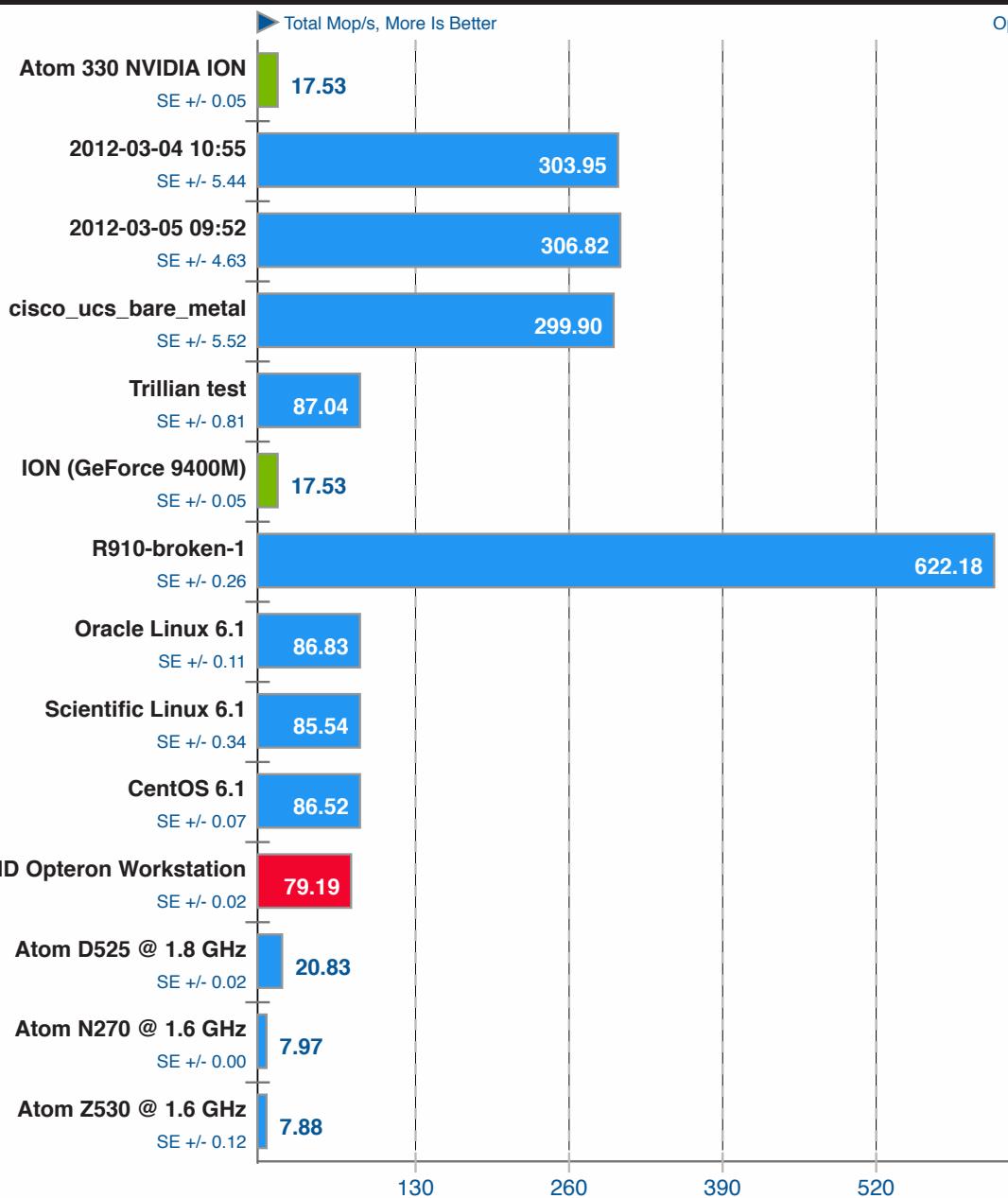
Phoronix Test Suite 7.0.0

NAS Parallel Benchmarks v3.3

Test / Class: EP.B



OpenBenchmarking.org



1. (F9X) gfortran options: -fopenmp

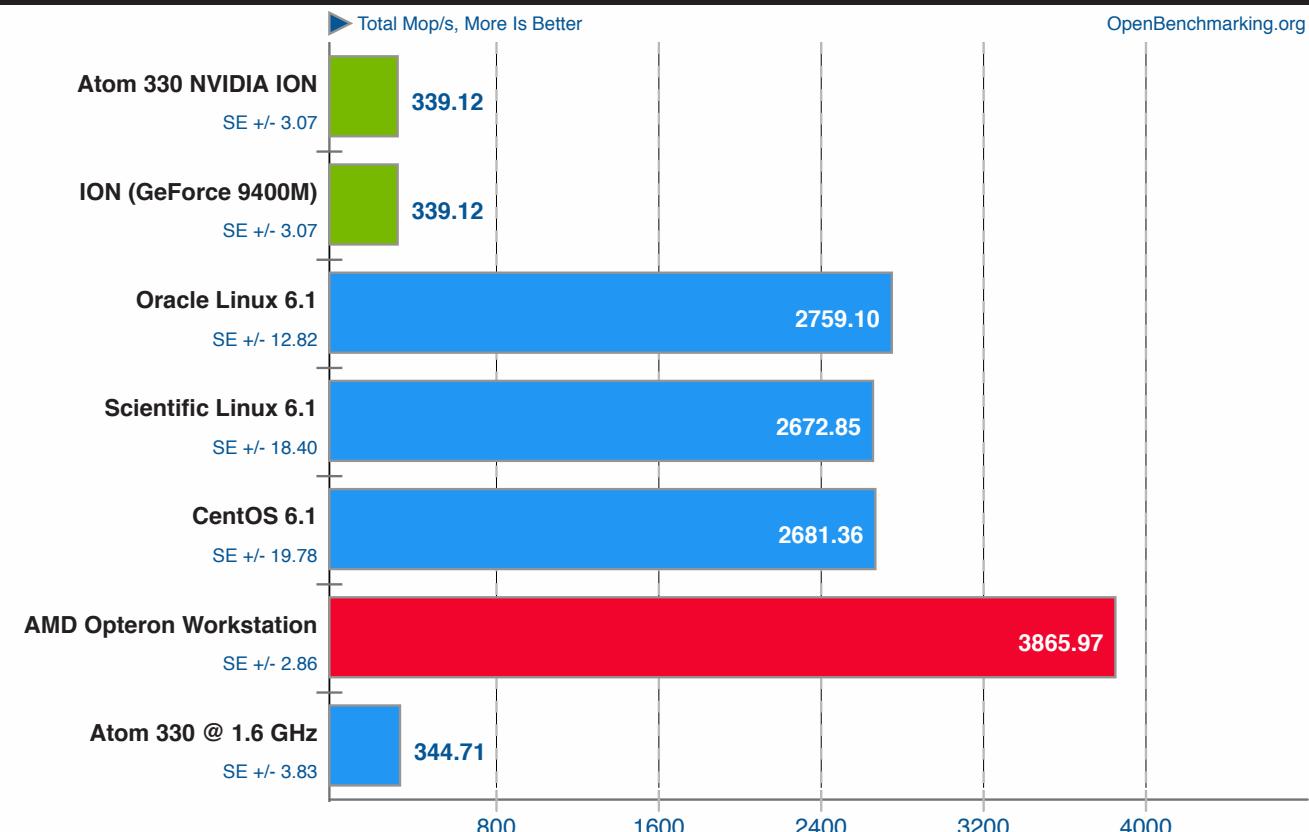
Phoronix Test Suite 7.0.0

NAS Parallel Benchmarks v3.3

Test / Class: FT.B



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

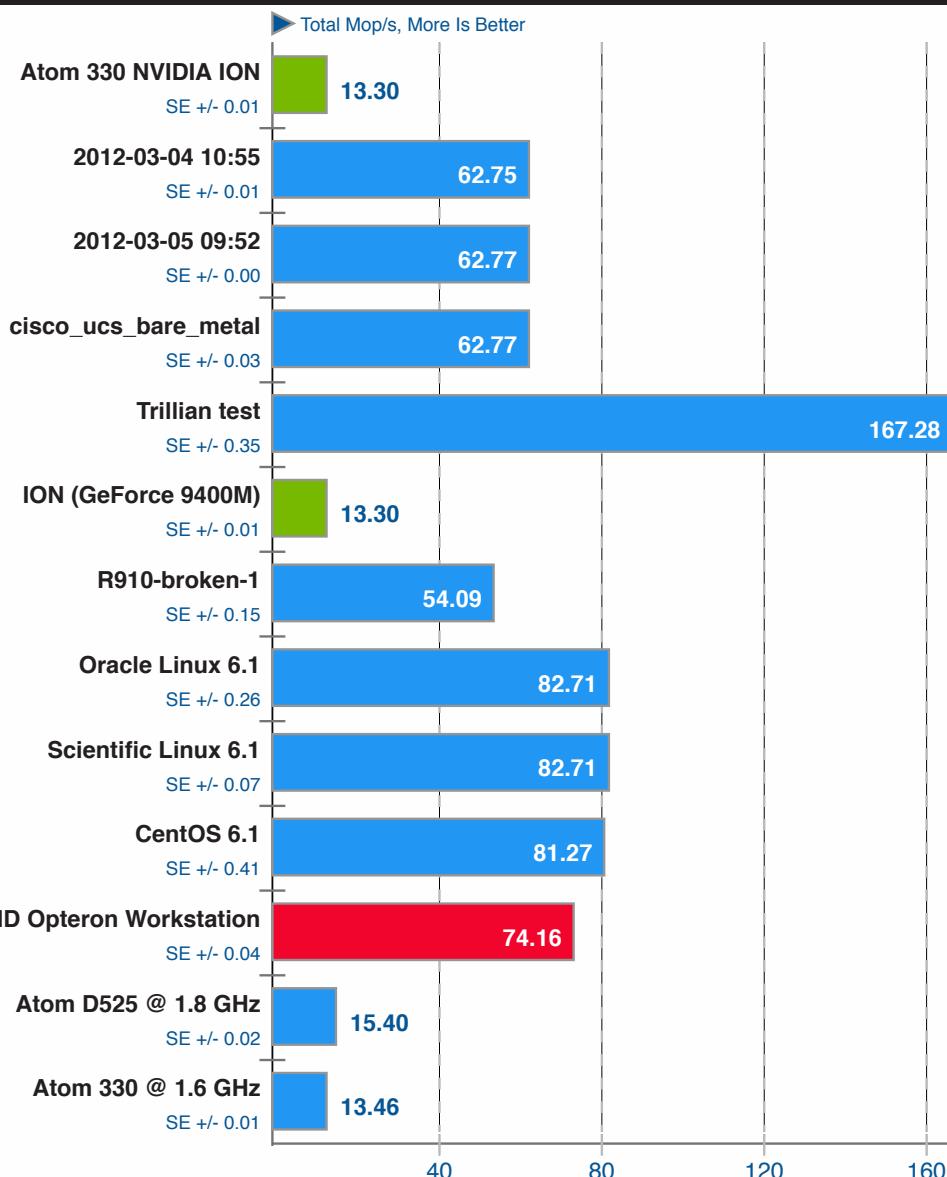


NAS Parallel Benchmarks v3.3

Test / Class: IS.C



OpenBenchmarking.org



1. (F9X) gfortran options: -fopenmp

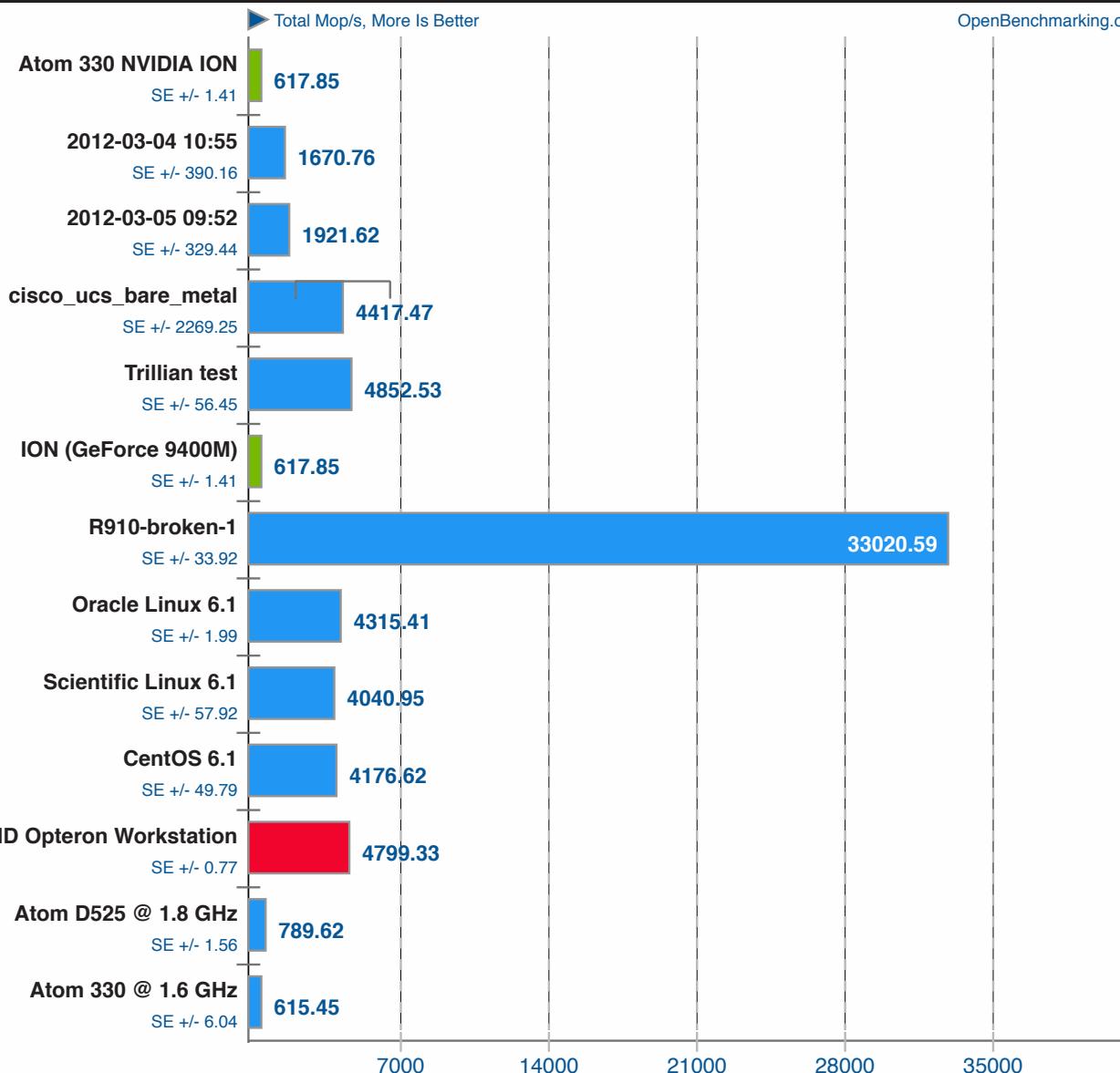
Phoronix Test Suite 7.0.0

NAS Parallel Benchmarks v3.3

Test / Class: LU.A



OpenBenchmarking.org



1. (F9X) gfortran options: -fopenmp

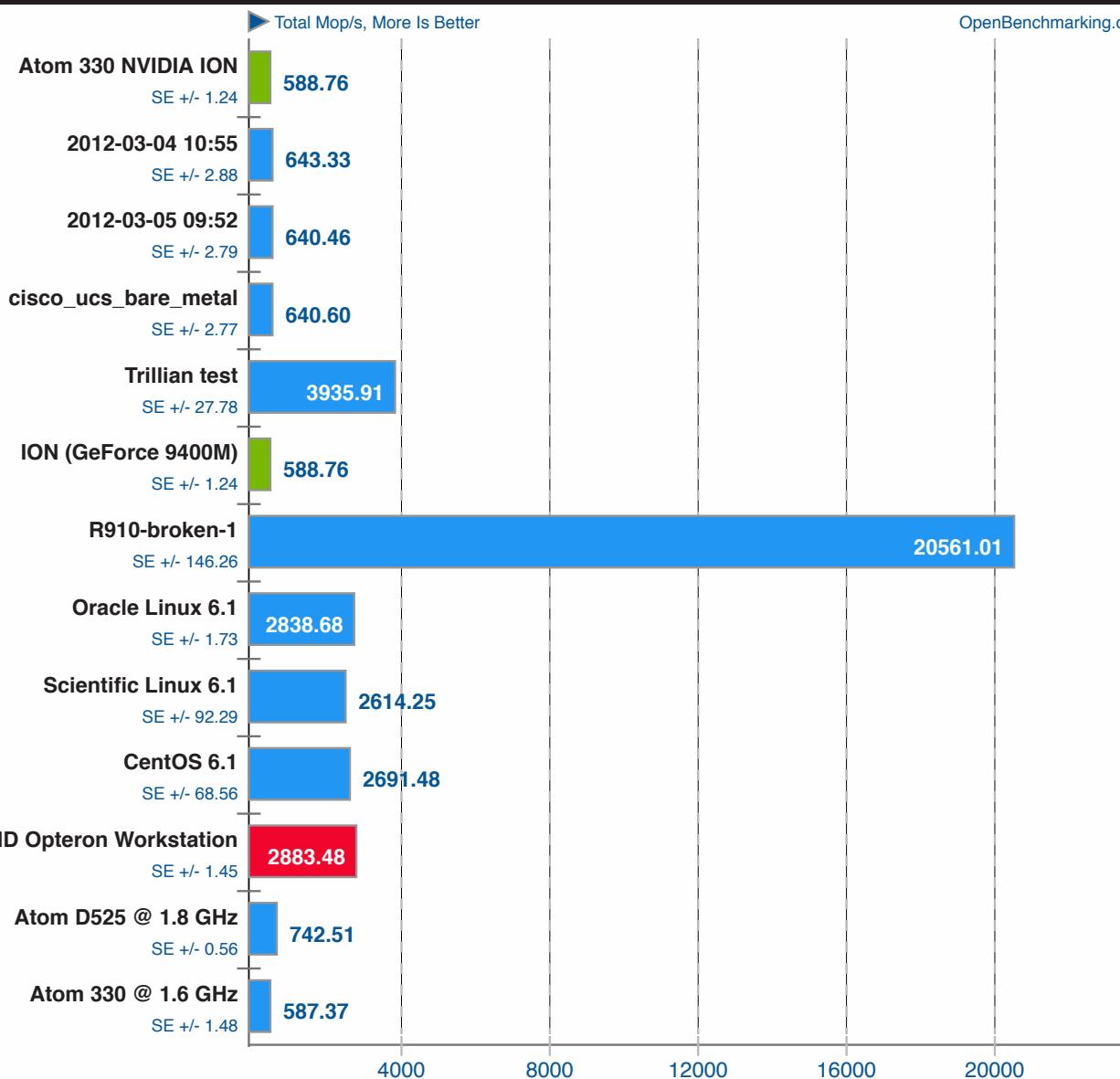
Phoronix Test Suite 7.0.0

NAS Parallel Benchmarks v3.3

Test / Class: MG.B



OpenBenchmarking.org



1. (F9X) gfortran options: -fopenmp

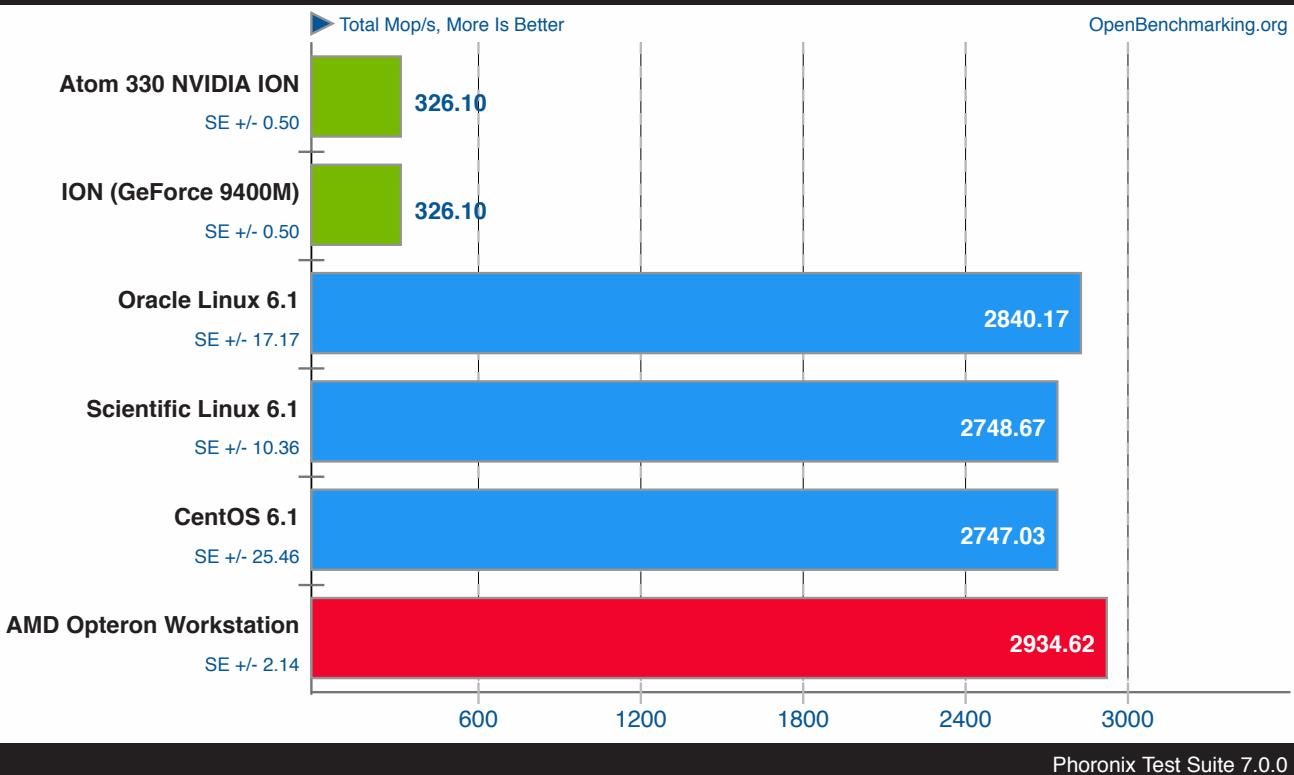
Phoronix Test Suite 7.0.0

NAS Parallel Benchmarks v3.3

Test / Class: SP.A



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

OpenArena v0.8.5

Resolution: 800 x 600



OpenBenchmarking.org



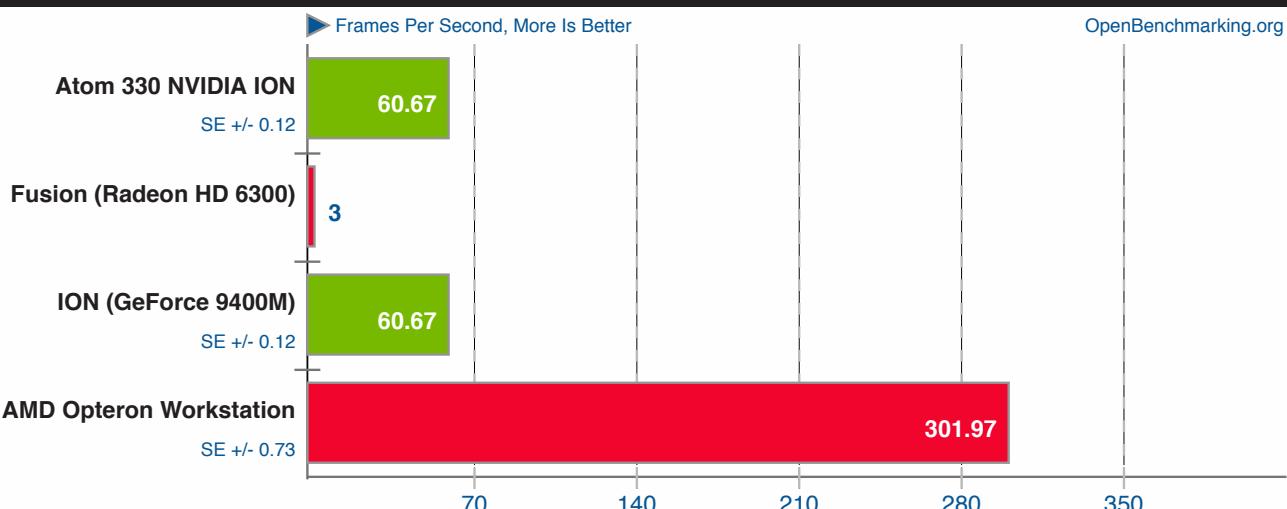
Phoronix Test Suite 7.0.0

OpenArena v0.8.5

Resolution: 1024 x 768



OpenBenchmarking.org



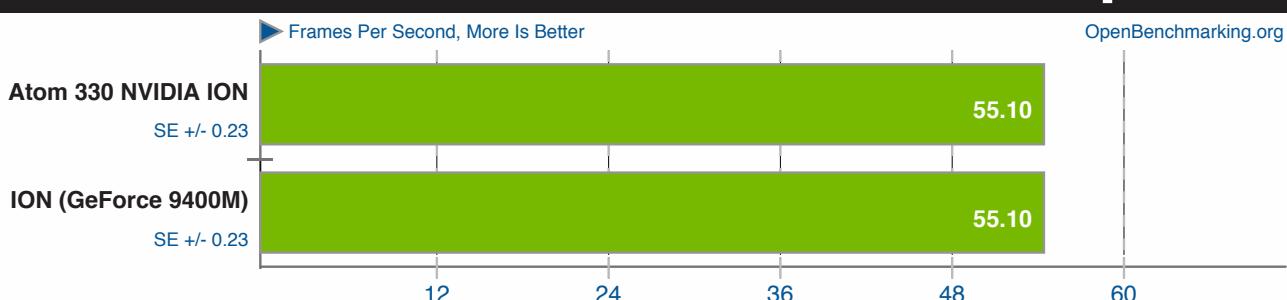
Phoronix Test Suite 7.0.0

OpenArena v0.8.5

Resolution: 1366 x 768



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

World of Padman v1.2

Resolution: 800 x 600



OpenBenchmarking.org



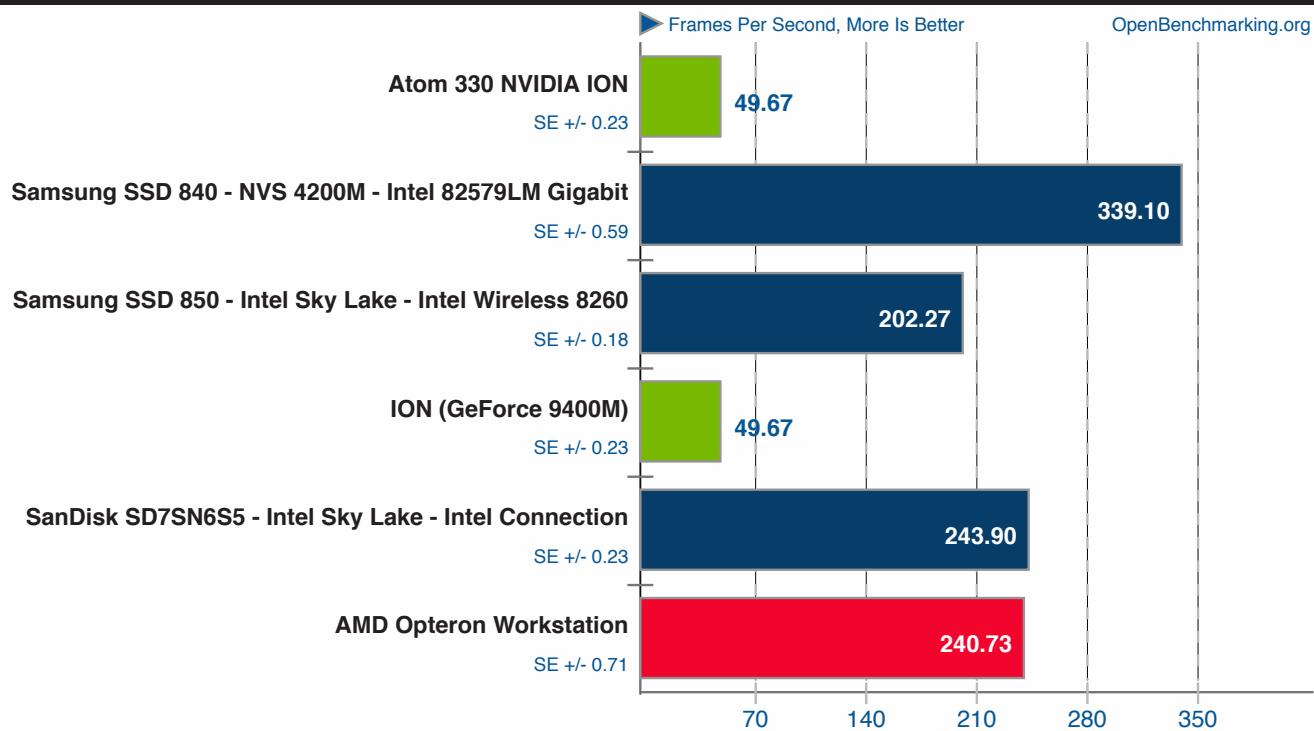
Phoronix Test Suite 7.0.0

World of Padman v1.2

Resolution: 1024 x 768



OpenBenchmarking.org



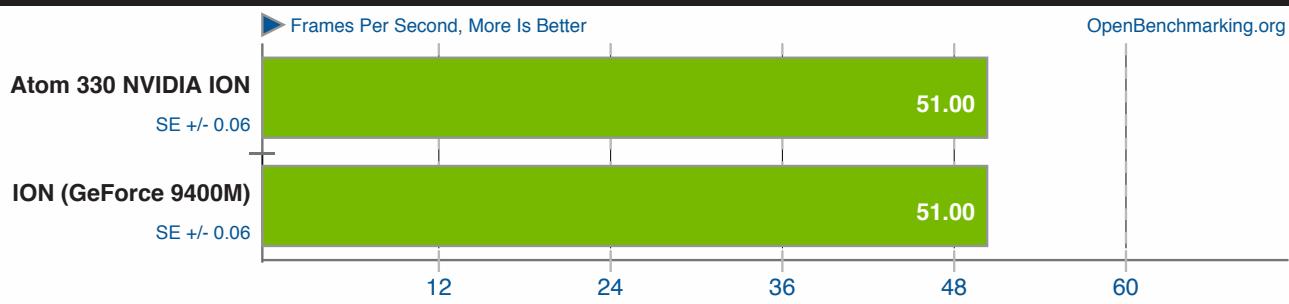
Phoronix Test Suite 7.0.0

World of Padman v1.2

Resolution: 1366 x 768



OpenBenchmarking.org



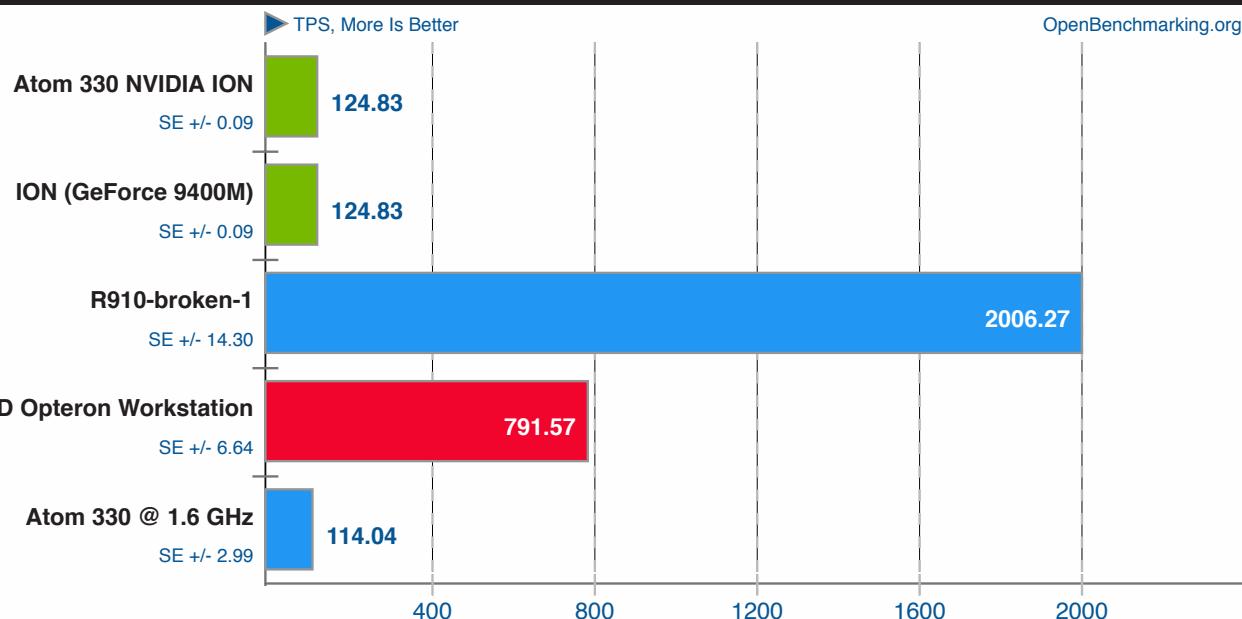
Phoronix Test Suite 7.0.0

PostgreSQL pgbench v9.0.1

TPC-B Transactions Per Second



OpenBenchmarking.org



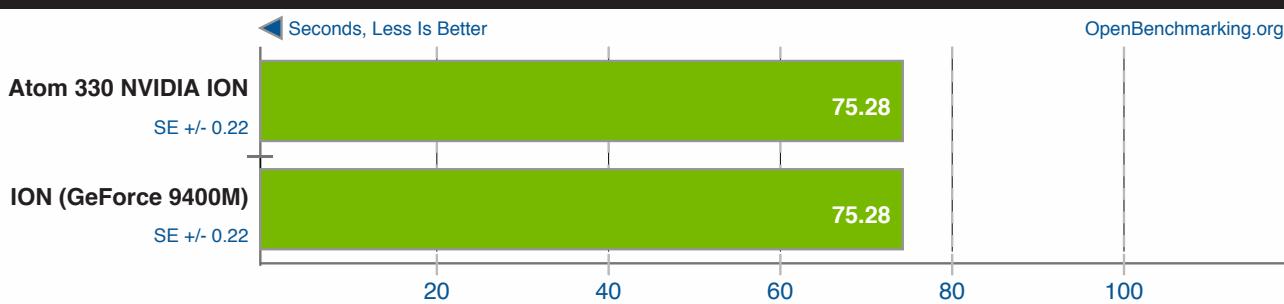
Phoronix Test Suite 7.0.0

Render Bench

Phoronix Test Suite v3.0.0a4



OpenBenchmarking.org



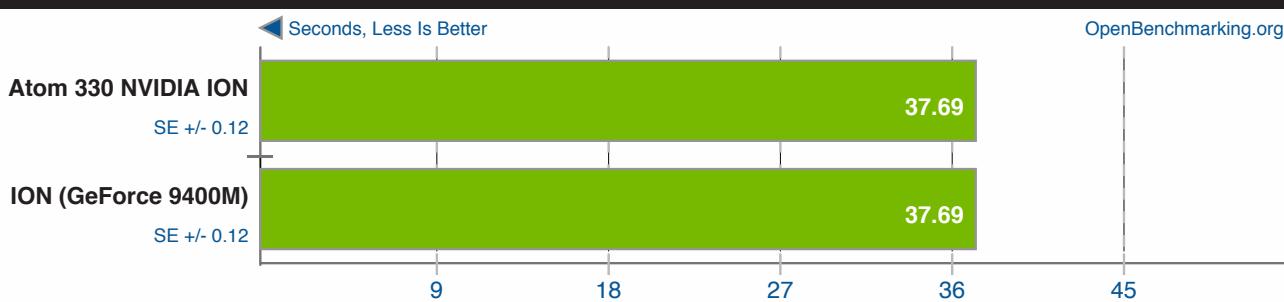
Phoronix Test Suite 7.0.0

Sample Pi Program

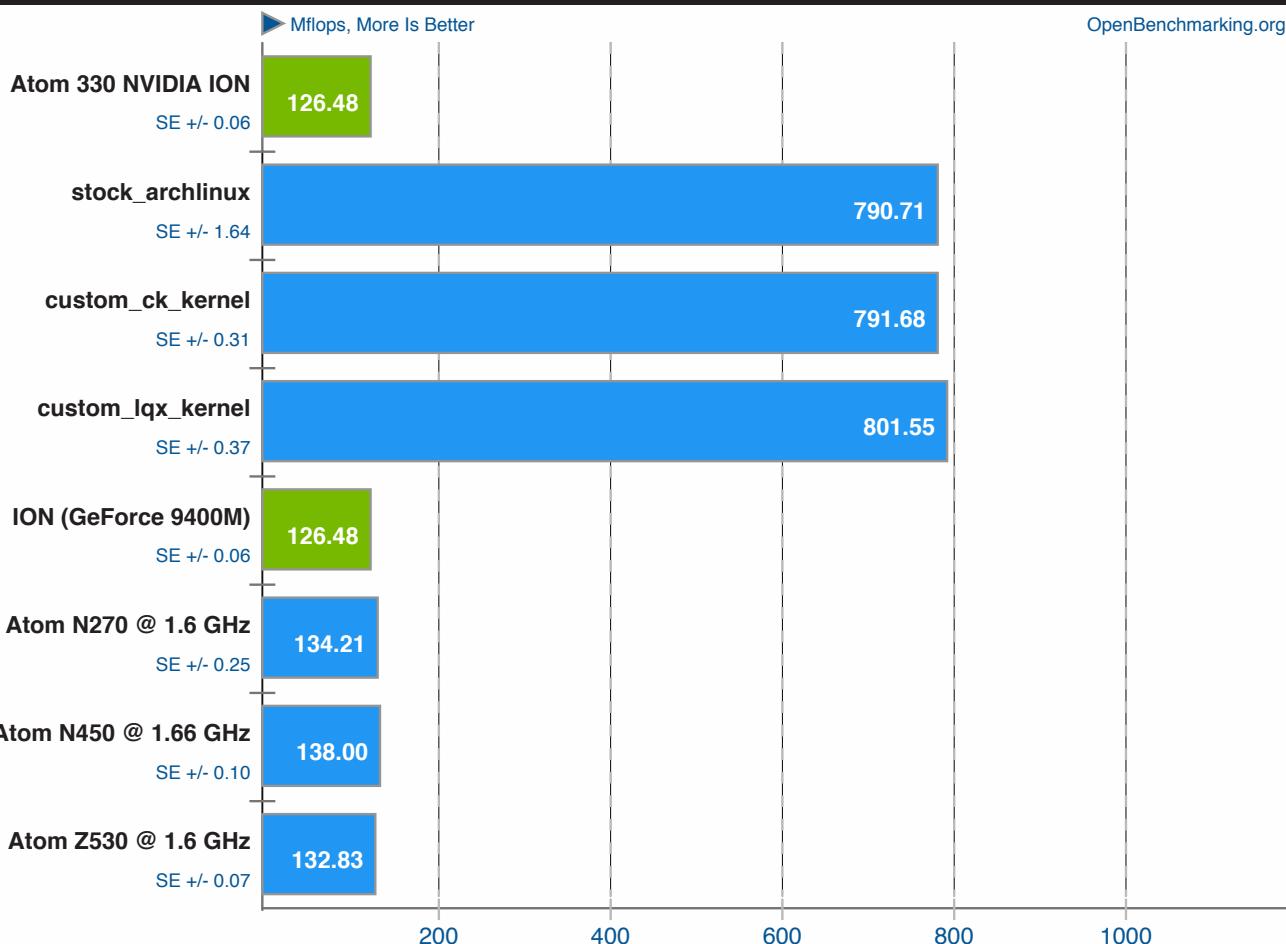
Phoronix Test Suite v3.0.0a4

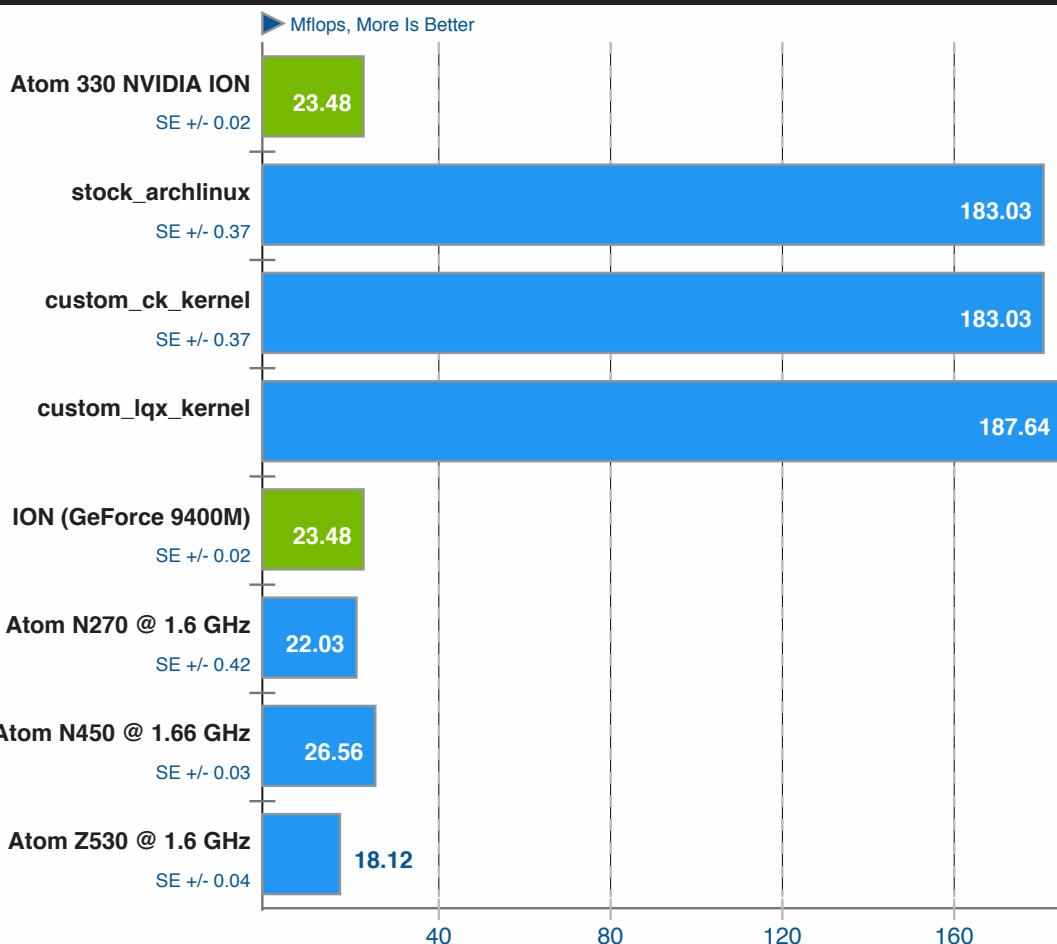


OpenBenchmarking.org



Phoronix Test Suite 7.0.0



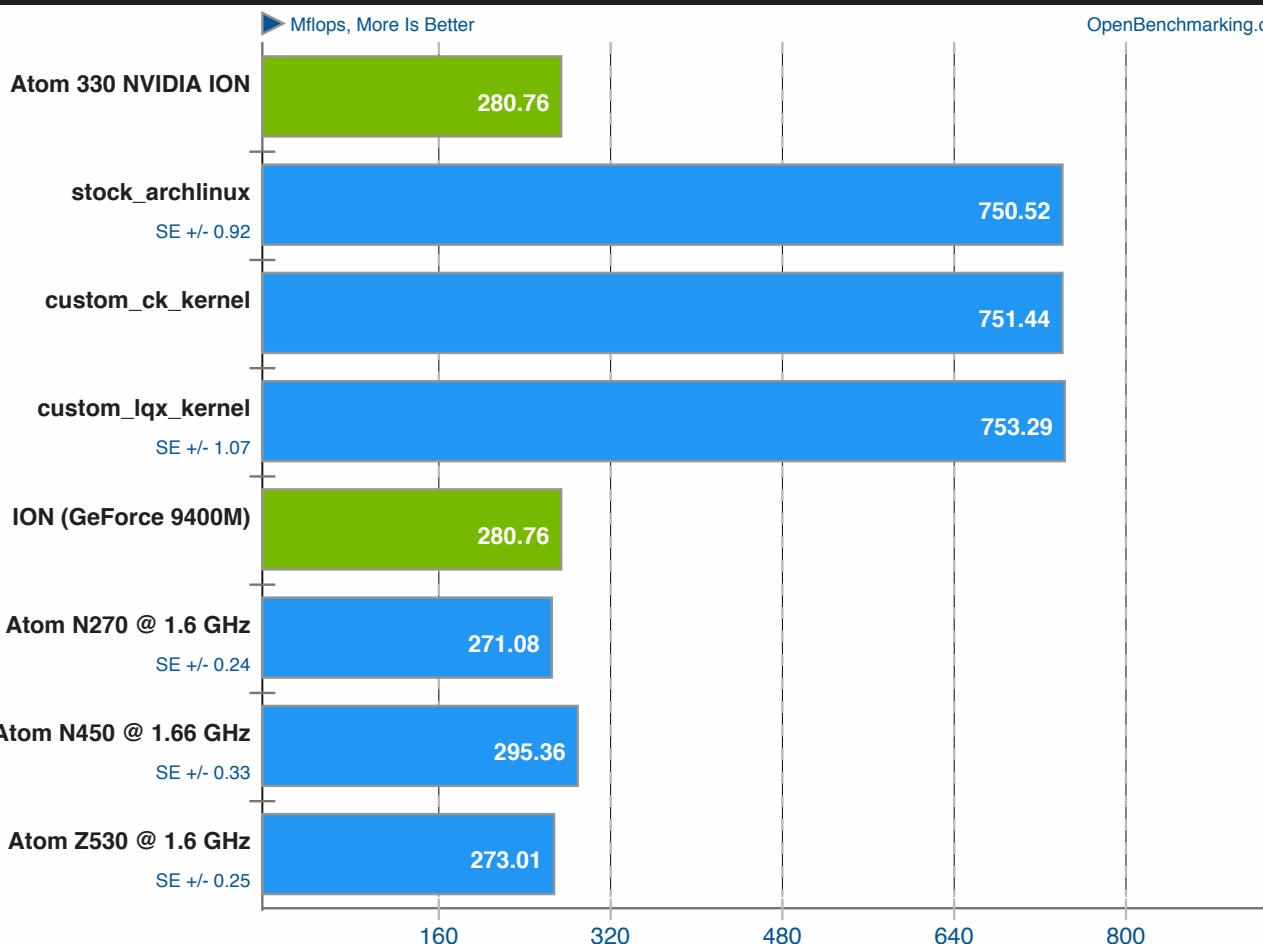


SciMark v2.0

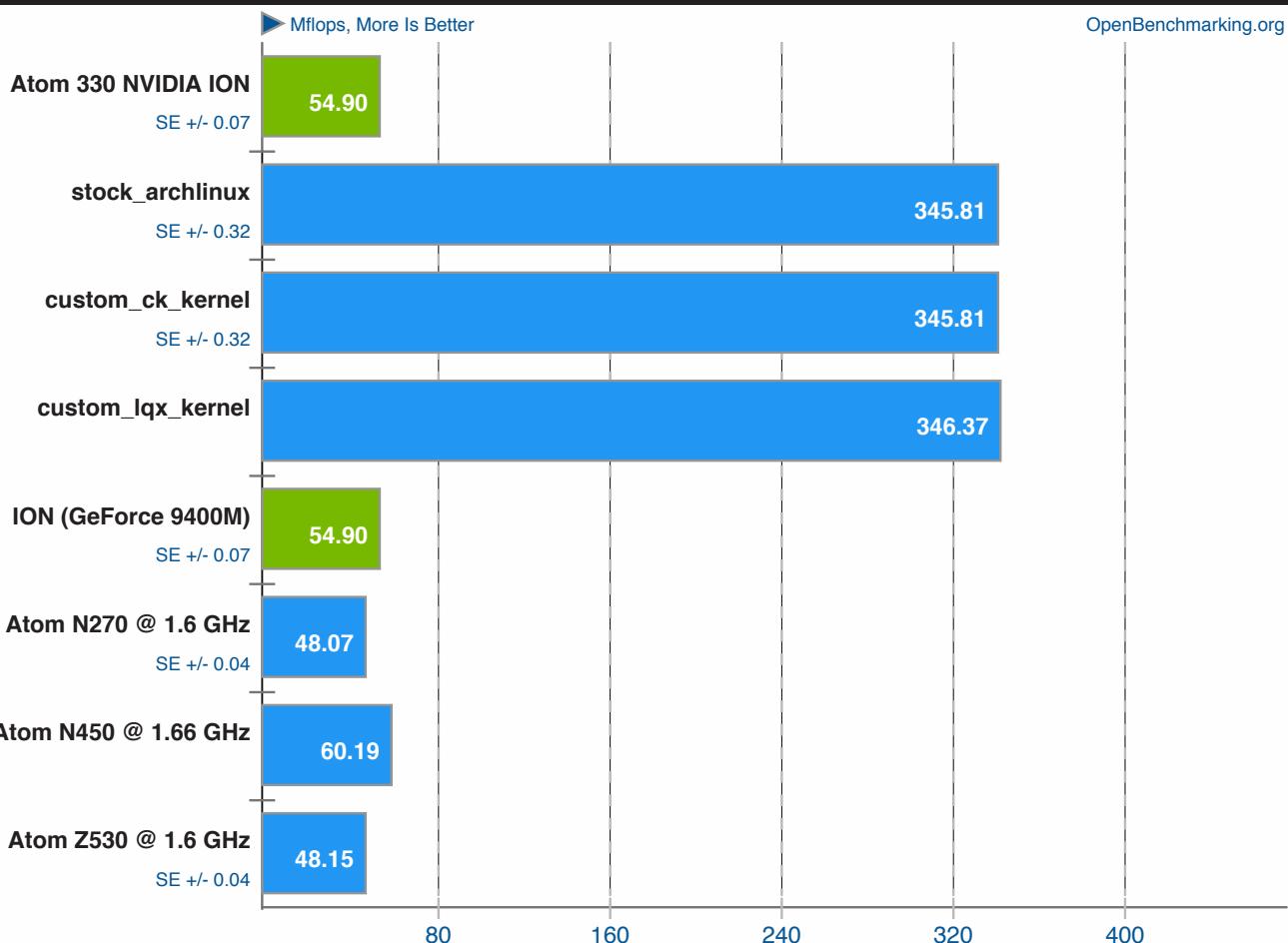
Computational Test: Jacobi Successive Over-Relaxation

ptsli

OpenBenchmarking.org



Phoronix Test Suite 7.0.0

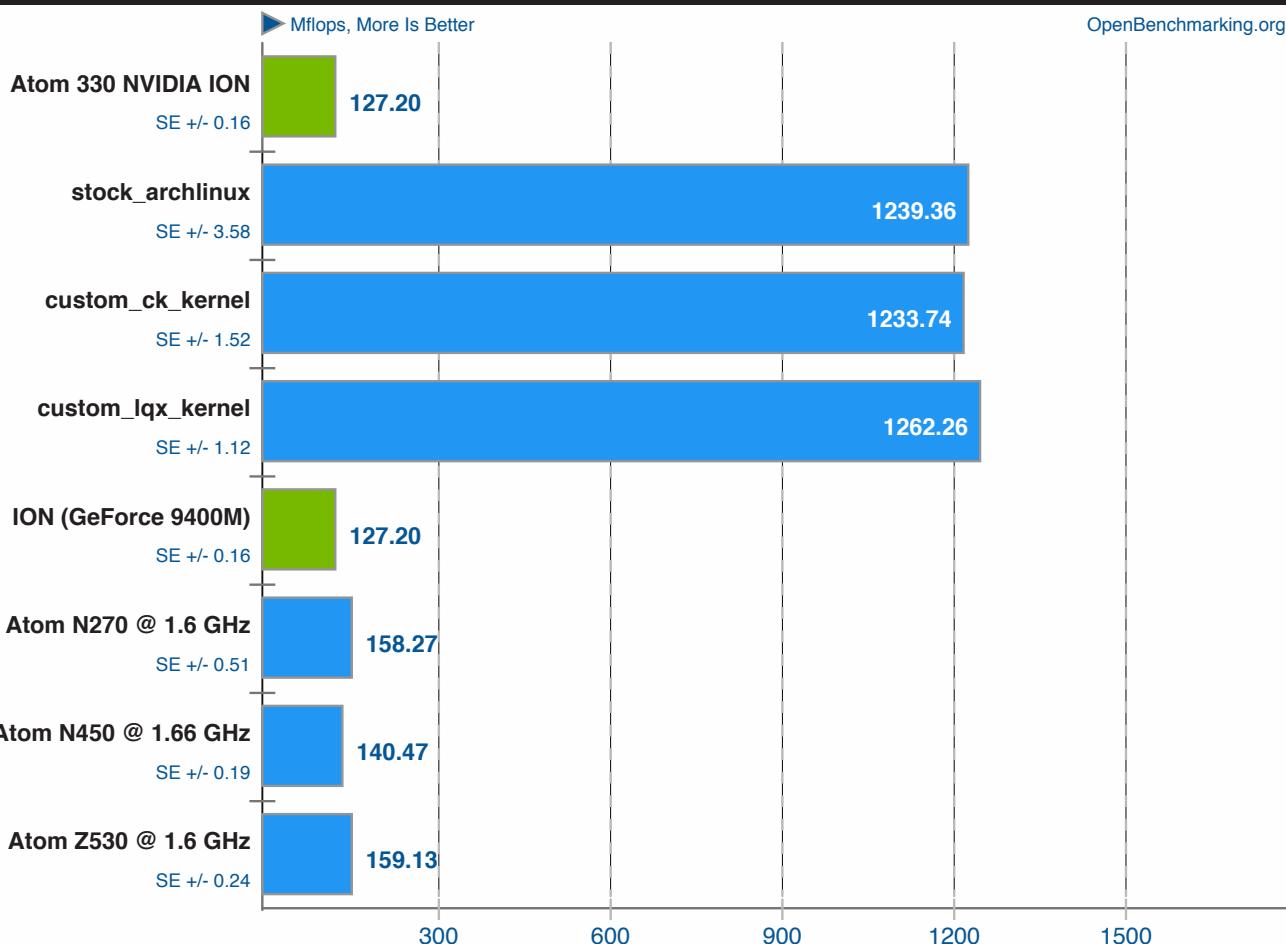


SciMark v2.0

Computational Test: Sparse Matrix Multiply



OpenBenchmarking.org



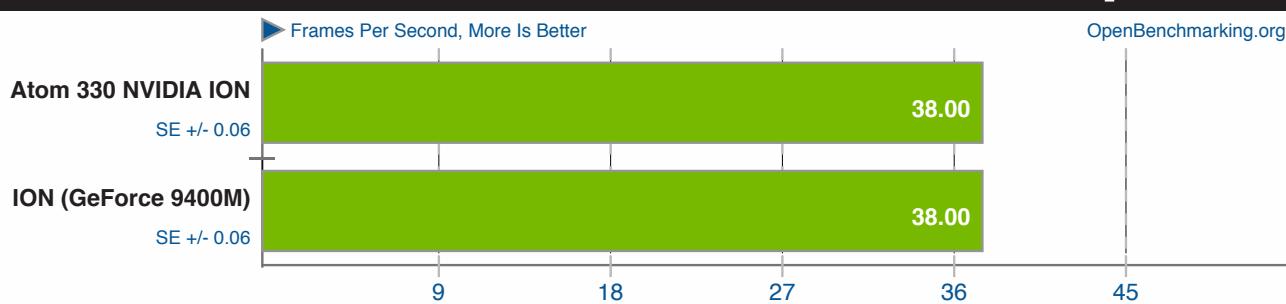
Phoronix Test Suite 7.0.0

Smokin Guns v1.1b4

Resolution: 800 x 600



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

Smokin Guns v1.1b4

Resolution: 1024 x 768



OpenBenchmarking.org

Atom 330 NVIDIA ION

SE +/- 0.27

38.23

ION (GeForce 9400M)

SE +/- 0.27

38.23

9 18 27 36 45



Phoronix Test Suite 7.0.0

Smokin Guns v1.1b4

Resolution: 1366 x 768



OpenBenchmarking.org

Atom 330 NVIDIA ION

SE +/- 0.15

38.70

ION (GeForce 9400M)

SE +/- 0.15

38.70

9 18 27 36 45



Phoronix Test Suite 7.0.0

Tremulous v1.1.0

Resolution: 800 x 600



OpenBenchmarking.org

Atom 330 NVIDIA ION

SE +/- 0.03

29.17

ION (GeForce 9400M)

SE +/- 0.03

29.17

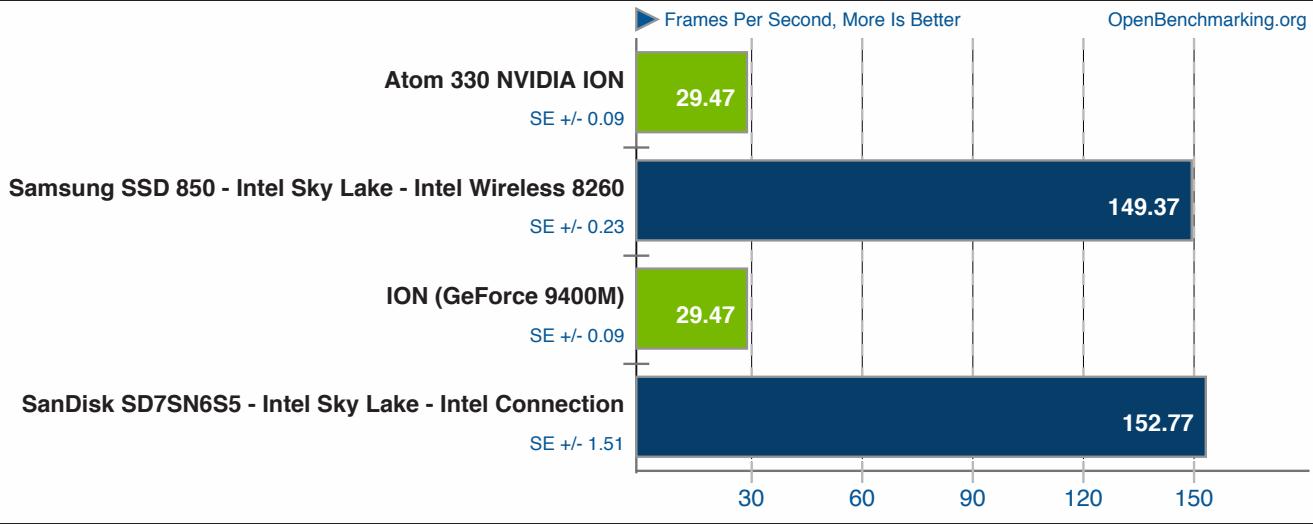
7 14 21 28 35



Phoronix Test Suite 7.0.0

Tremulous v1.1.0

Resolution: 1024 x 768



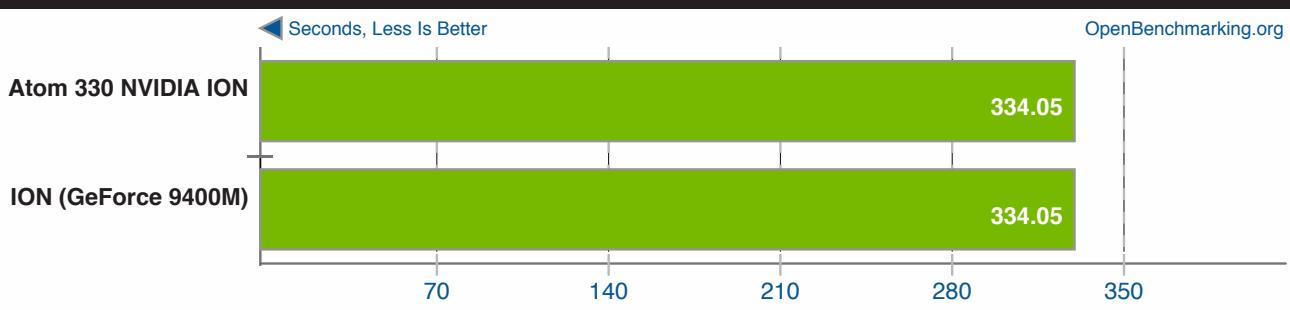
Tremulous v1.1.0

Resolution: 1366 x 768



Triangle Slammer

Perl OpenGL Benchmark



TTSIOD 3D Renderer v2.1v

Phong Rendering With Soft-Shadow Mapping



OpenBenchmarking.org

Atom 330 NVIDIA ION

SE +/- 0.01

12.73

ION (GeForce 9400M)

SE +/- 0.01

12.73

Atom 330 @ 1.6 GHz

SE +/- 0.01

12.79

3 6 9 12 15

Phoronix Test Suite 7.0.0

Unigine Sanctuary v2.3

Resolution: 800 x 600



OpenBenchmarking.org

Atom 330 NVIDIA ION

SE +/- 0.07

10.64

ION (GeForce 9400M)

SE +/- 0.07

10.64

3 6 9 12 15

Phoronix Test Suite 7.0.0

Unigine Sanctuary v2.3

Resolution: 1024 x 768



OpenBenchmarking.org

Atom 330 NVIDIA ION

SE +/- 0.00

7.90

ION (GeForce 9400M)

SE +/- 0.00

7.90

2 4 6 8 10

Phoronix Test Suite 7.0.0

Unigine Sanctuary v2.3

Resolution: 1366 x 768



OpenBenchmarking.org

Atom 330 NVIDIA ION

SE +/- 0.00

6.50

ION (GeForce 9400M)

SE +/- 0.00

6.50

2 4 6 8 10

Phoronix Test Suite 7.0.0

Urban Terror v4.1

Resolution: 800 x 600



OpenBenchmarking.org

Atom 330 NVIDIA ION

SE +/- 0.03

25.77

Fusion (Radeon HD 6300)

SE +/- 0.15

33.43

ION (GeForce 9400M)

SE +/- 0.03

25.77

8 16 24 32 40

Phoronix Test Suite 7.0.0

Urban Terror v4.1

Resolution: 1024 x 768



OpenBenchmarking.org

Atom 330 NVIDIA ION

25.80

Fusion (Radeon HD 6300)

21

ION (GeForce 9400M)

25.80

6 12 18 24 30

Phoronix Test Suite 7.0.0

Urban Terror v4.1

Resolution: 1366 x 768



OpenBenchmarking.org

Atom 330 NVIDIA ION

SE +/- 0.00

25.90

ION (GeForce 9400M)

SE +/- 0.00

25.90

6 12 18 24 30



Phoronix Test Suite 7.0.0

VDrift v2010-06-30

Resolution: 800 x 600



OpenBenchmarking.org

Atom 330 NVIDIA ION

SE +/- 0.02

8.73

ION (GeForce 9400M)

SE +/- 0.02

8.73

2 4 6 8 10



Phoronix Test Suite 7.0.0

VDrift v2010-06-30

Resolution: 1024 x 768



OpenBenchmarking.org

Atom 330 NVIDIA ION

SE +/- 0.00

6.81

ION (GeForce 9400M)

SE +/- 0.00

6.81

2 4 6 8 10



Phoronix Test Suite 7.0.0

VDrift v2010-06-30

Resolution: 1366 x 768



OpenBenchmarking.org

Atom 330 NVIDIA ION

SE +/- 0.00

5.65

ION (GeForce 9400M)

SE +/- 0.00

5.65

1.2713 2.5426 3.8139 5.0852 6.3565



Phoronix Test Suite 7.0.0

Warsow v0.5

Resolution: 800 x 600



OpenBenchmarking.org

Atom 330 NVIDIA ION

SE +/- 0.49

39.97

ION (GeForce 9400M)

SE +/- 0.49

39.97

9 18 27 36 45



Phoronix Test Suite 7.0.0

Warsow v0.5

Resolution: 1024 x 768



OpenBenchmarking.org

Atom 330 NVIDIA ION

SE +/- 0.03

33.13

ION (GeForce 9400M)

SE +/- 0.03

33.13

8 16 24 32 40



Phoronix Test Suite 7.0.0

Warsow v0.5

Resolution: 1366 x 768



OpenBenchmarking.org

Atom 330 NVIDIA ION

30.80

ION (GeForce 9400M)

30.80

7 14 21 28 35

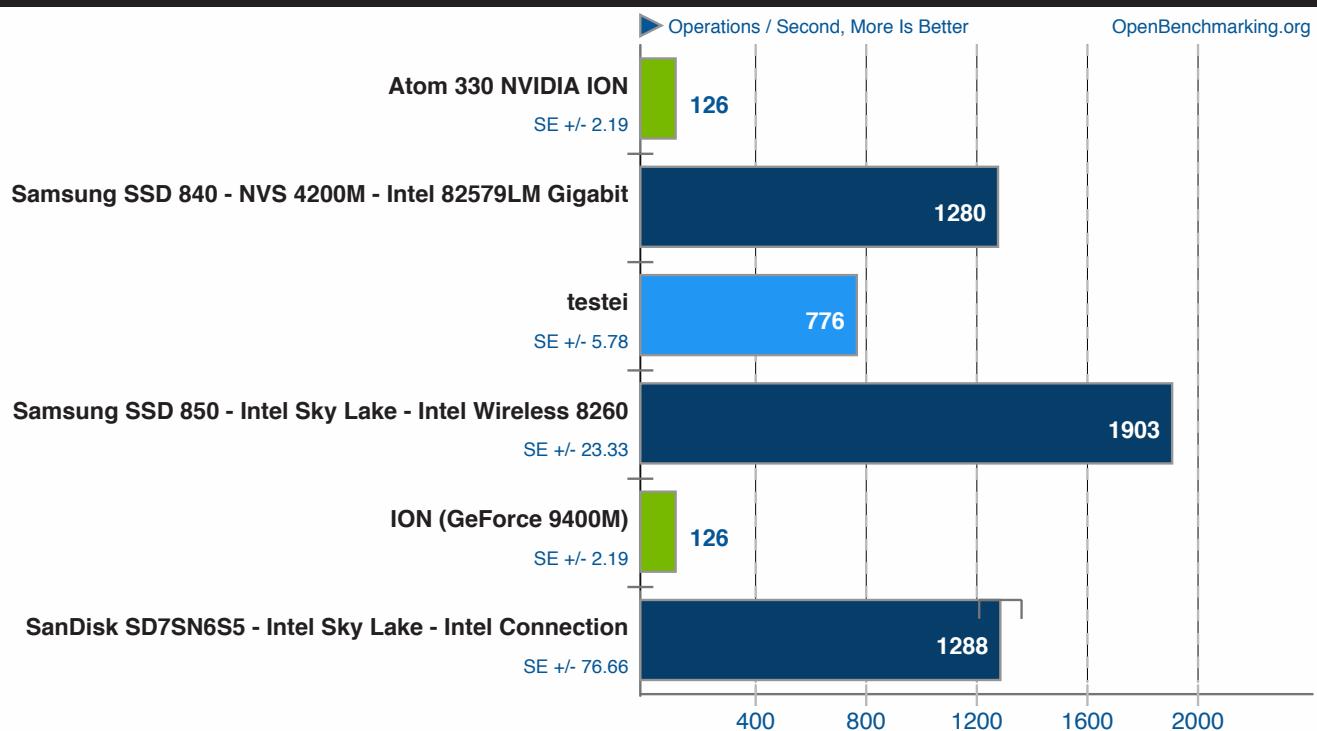


Phoronix Test Suite 7.0.0

x11perf v1.5

Test: 500px PutImage Square

ptsli



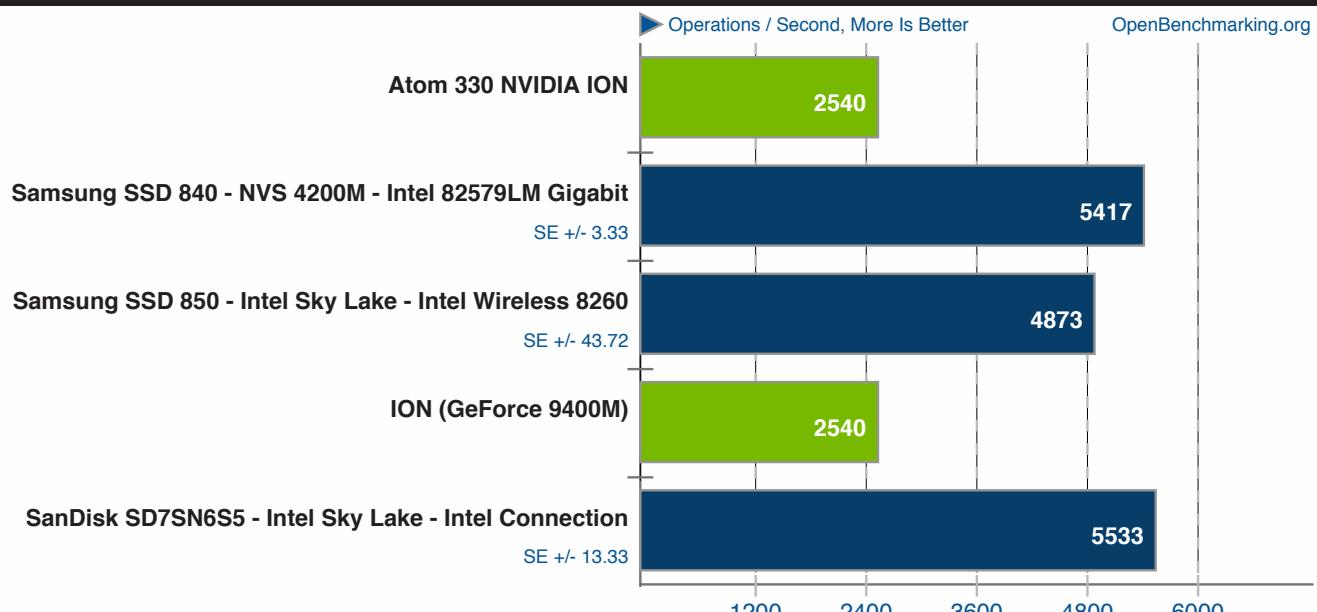
Phoronix Test Suite 7.0.0

1. (CC) gcc options: -O2 -lXext -lXft -lXrender -lX11 -lXmuu -lm

x11perf v1.5

Test: Scrolling 500 x 500 px

ptsli



Phoronix Test Suite 7.0.0

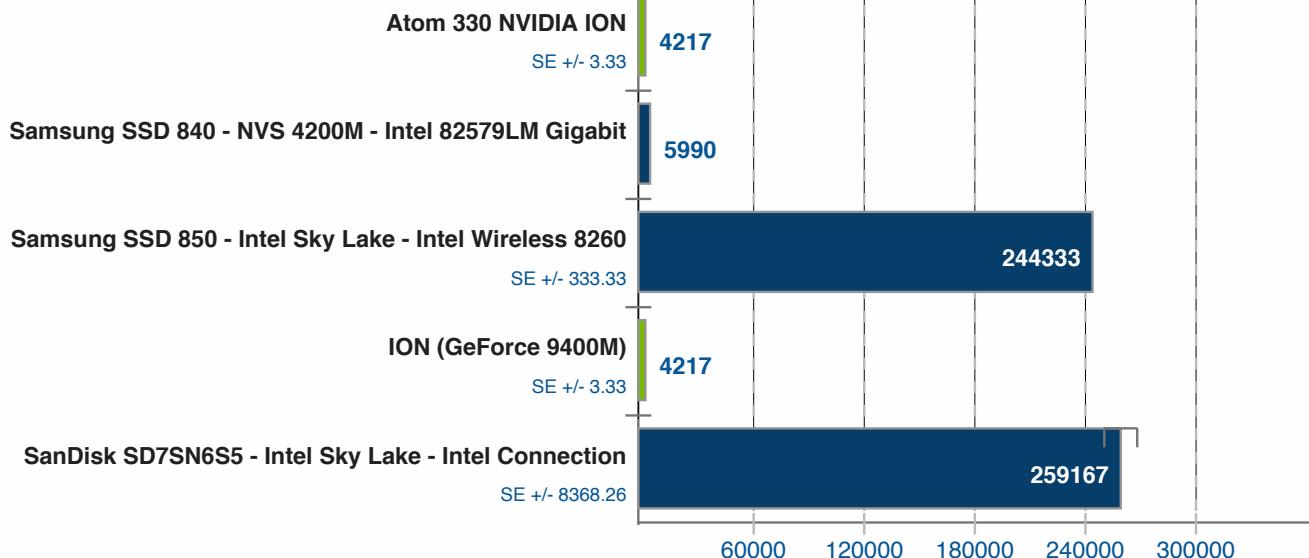
1. (CC) gcc options: -O2 -lXext -lXft -lXrender -lX11 -lXmuu -lm

x11perf v1.5

Test: Fill 300 x 300px AA Trapezoid



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

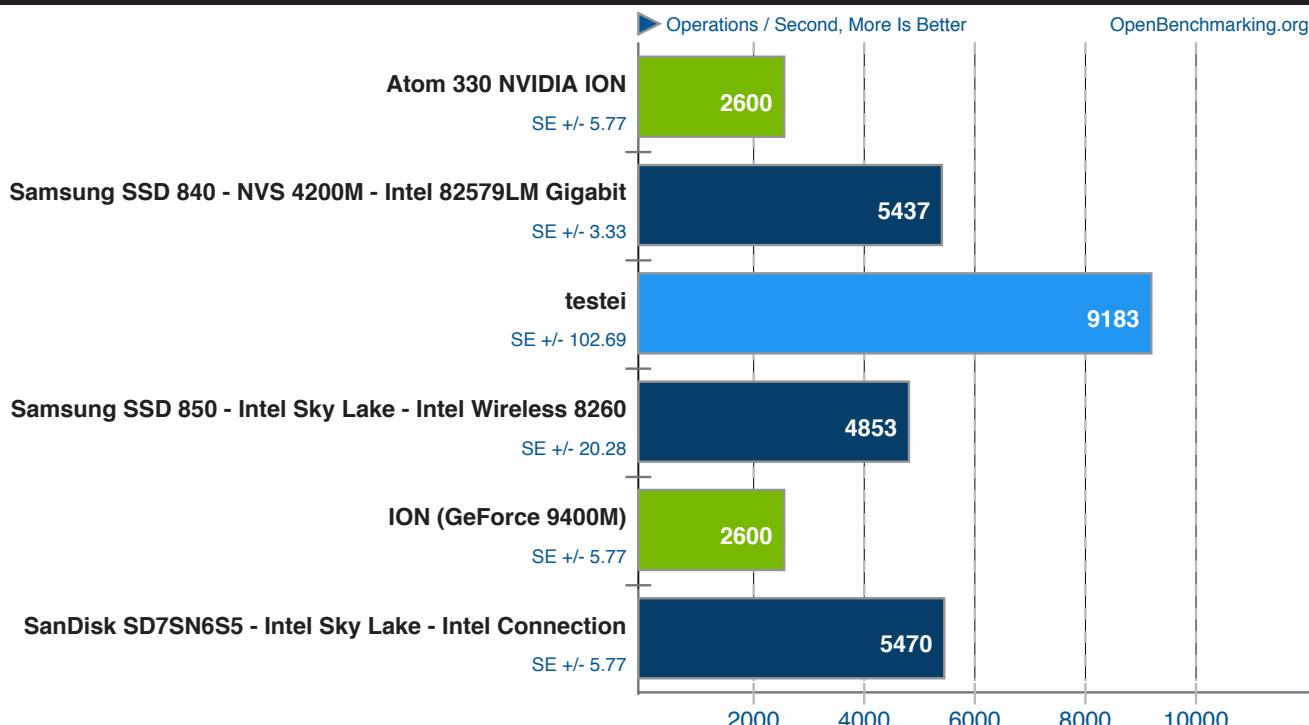
1. (CC) gcc options: -O2 -lXext -lXft -lXrender -lX11 -lXmuu -lm

x11perf v1.5

Test: 500px Copy From Window To Window



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

1. (CC) gcc options: -O2 -lXext -lXft -lXrender -lX11 -lXmuu -lm

x11perf v1.5

Test: 500px Compositing FromPixmap To Window



Operations / Second, More Is Better

OpenBenchmarking.org

Atom 330 NVIDIA ION

2390

Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit

5000

Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260

4887

SE +/- 23.33

ION (GeForce 9400M)

2390

SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection

5553

SE +/- 17.64

1200 2400 3600 4800 6000



1. (CC) gcc options: -O2 -lXext -lXft -lXrender -lX11 -lXmuu -lm

Phoronix Test Suite 7.0.0

x11perf v1.5

Test: 500px Compositing FromWindow To Window



Operations / Second, More Is Better

OpenBenchmarking.org

Atom 330 NVIDIA ION

1.10

SE +/- 0.10

Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit

537

SE +/- 0.33

Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260

4870

SE +/- 23.09

ION (GeForce 9400M)

1.10

SE +/- 0.10

SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection

5453

SE +/- 3.33

1200 2400 3600 4800 6000



1. (CC) gcc options: -O2 -lXext -lXft -lXrender -lX11 -lXmuu -lm

Phoronix Test Suite 7.0.0

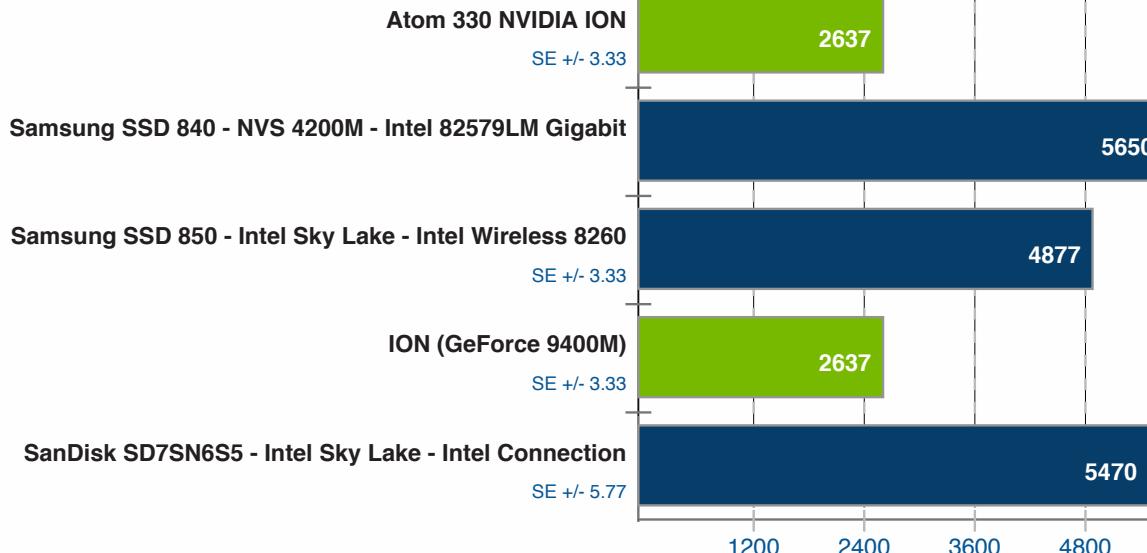
x11perf v1.5

Test: Copy 500x500 From Pixmap To Pixmap



Operations / Second, More Is Better

OpenBenchmarking.org



Phoronix Test Suite 7.0.0

1. (CC) gcc options: -O2 -lXext -lXft -lXrender -lX11 -lXmuu -lm

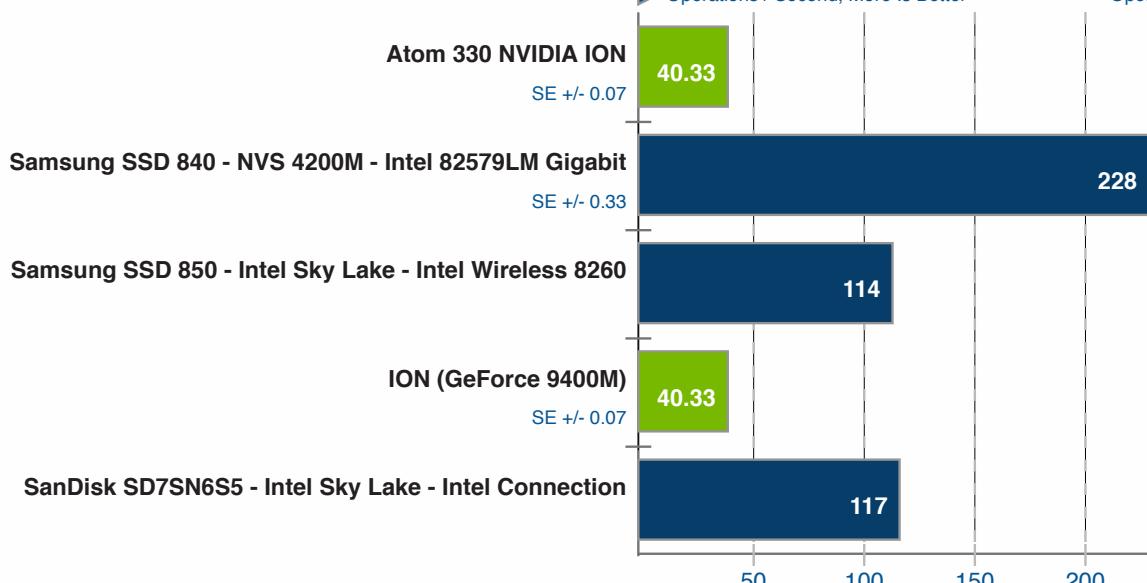
x11perf v1.5

Test: PutImage XY 500x500 Square



Operations / Second, More Is Better

OpenBenchmarking.org



Phoronix Test Suite 7.0.0

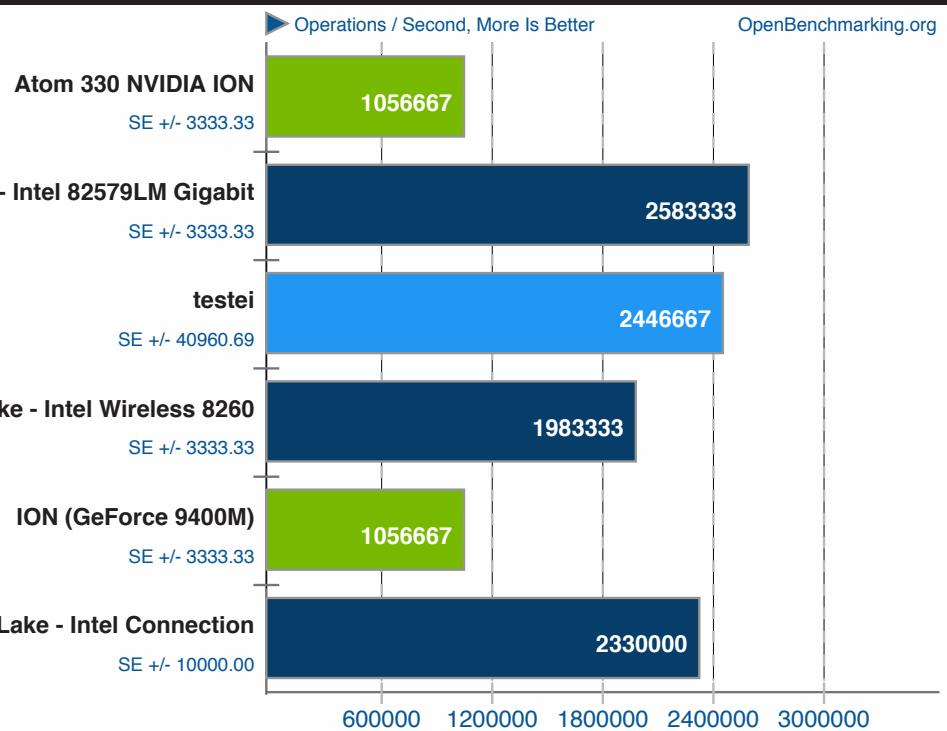
1. (CC) gcc options: -O2 -lXext -lXft -lXrender -lX11 -lXmuu -lm

x11perf v1.5

Test: Char in 80-char aa line



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

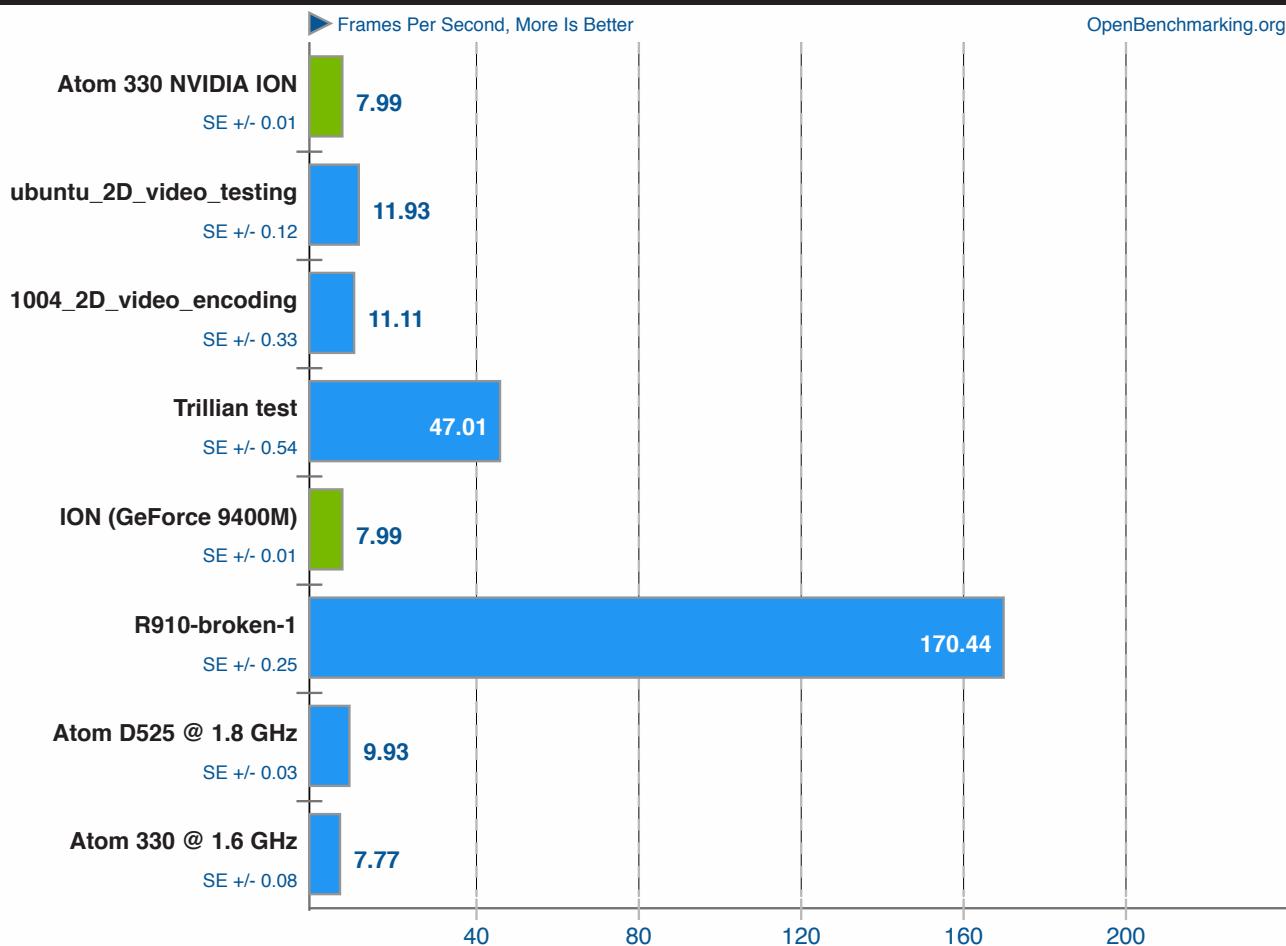
1. (CC) gcc options: -O2 -lXext -lXft -lXrender -lX11 -lXmuu -lm

x264 v2010-11-22

H.264 Video Encoding



OpenBenchmarking.org



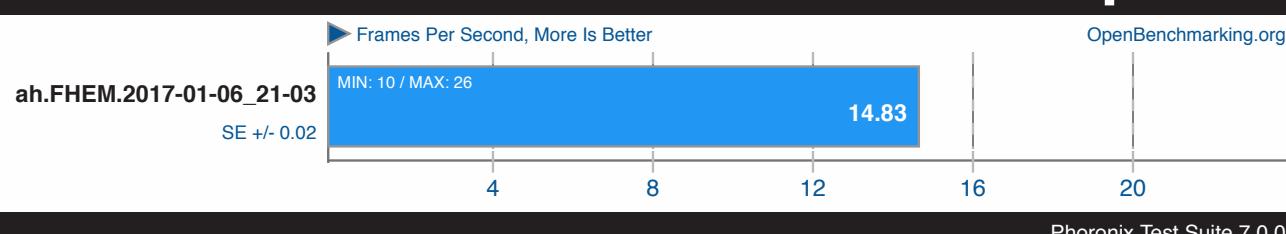
Phoronix Test Suite 7.0.0

Nexuiz v2.5.2

1024 x 768



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

OpenArena v0.8.8

1024 x 768



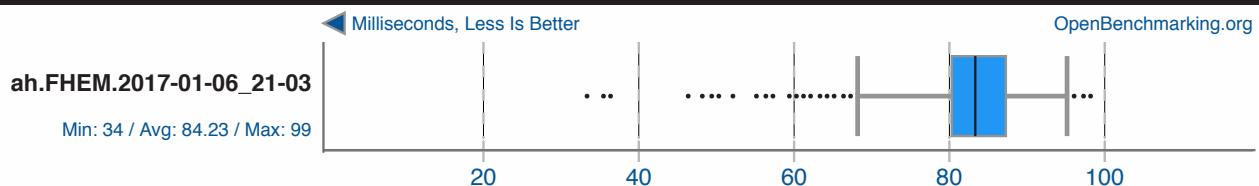
OpenBenchmarking.org



Phoronix Test Suite 7.0.0

OpenArena v0.8.8

1024 x 768 - Total Frame Time



World of Padman v1.2

1024 x 768



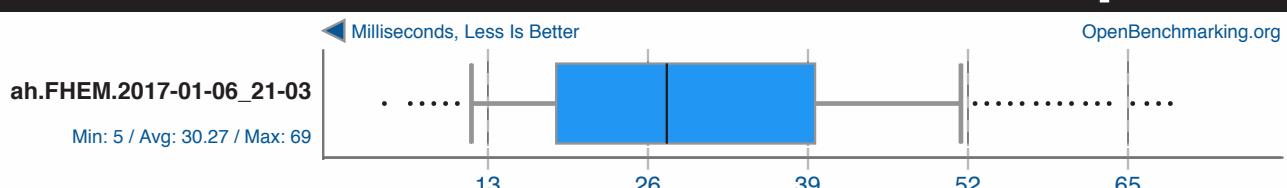
Urban Terror v4.2.013

1024 x 768



Urban Terror v4.2.013

1024 x 768 - Total Frame Time



Warsow v1.51

1024 x 768

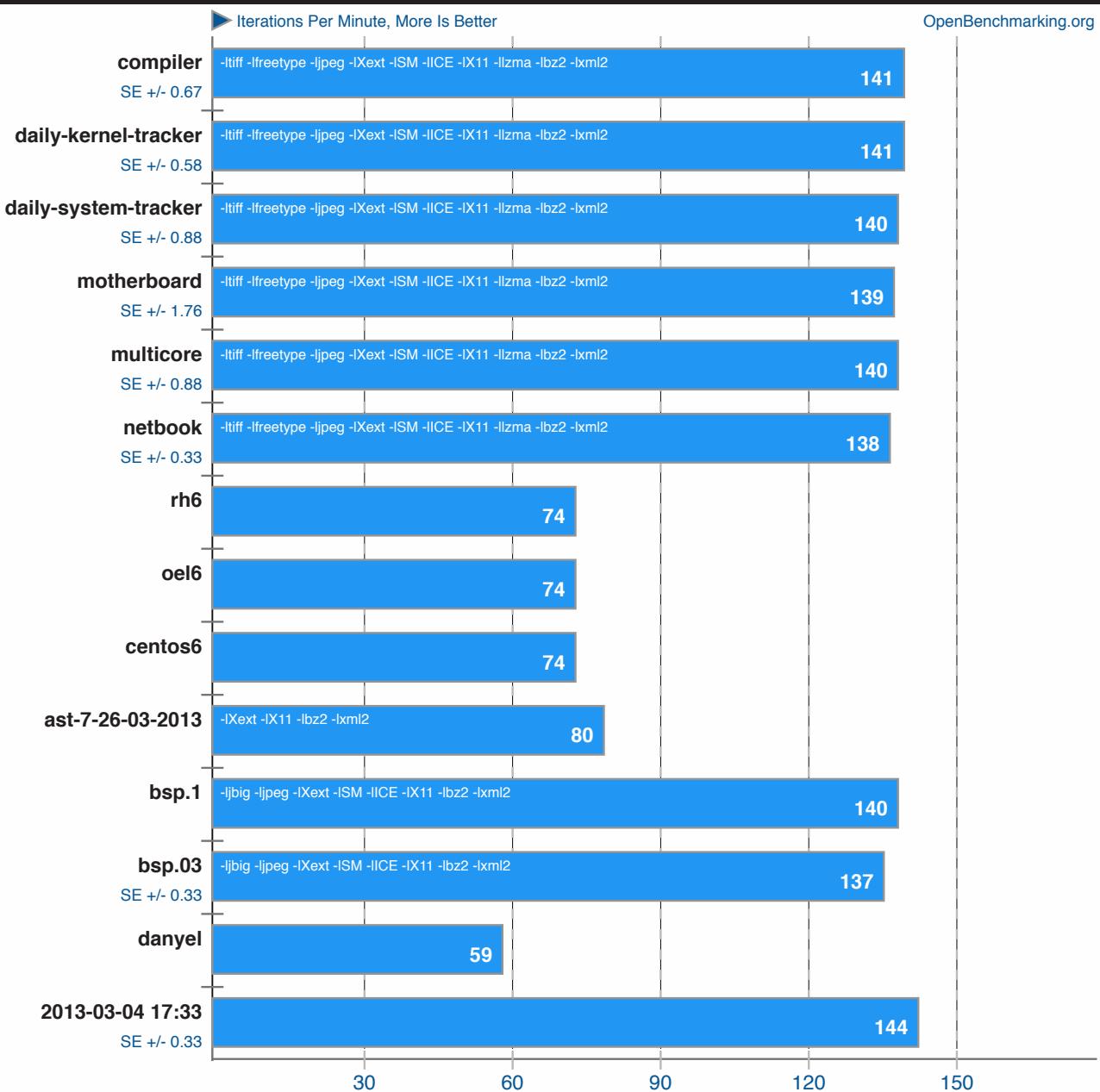


GraphicsMagick v1.3.16

Operation: Resizing



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

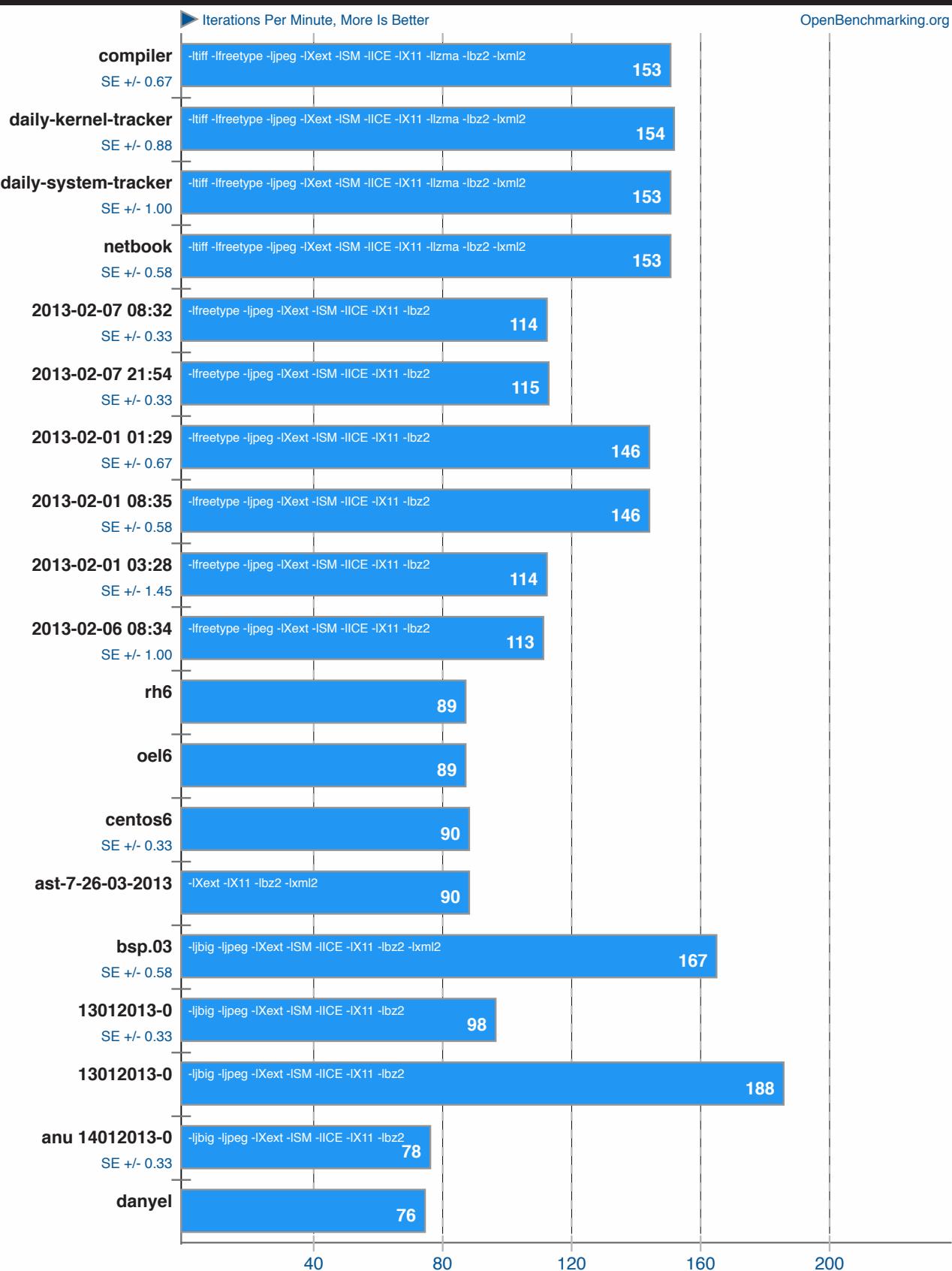
1. (CC) gcc options: -std=gnu99 -fopenmp -O2 -pthread -lz -lm -lgomp -lpthread

GraphicsMagick v1.3.16

Operation: HWB Color Space



OpenBenchmarking.org



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

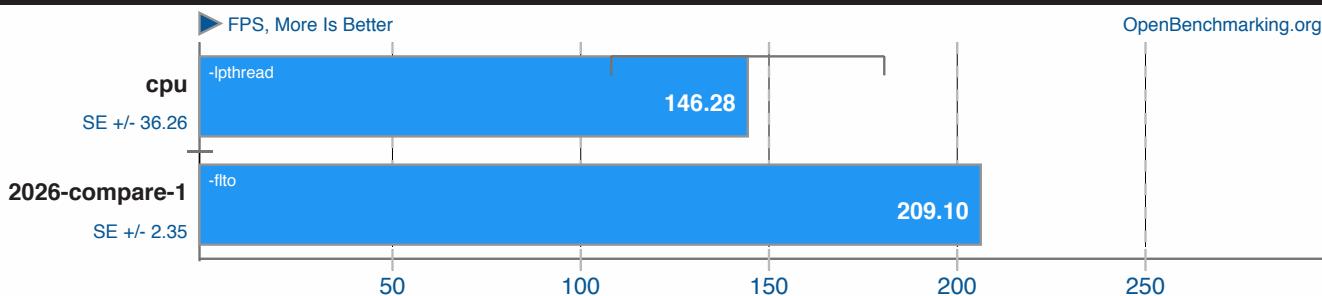
Phoronix Test Suite 7.0.0

TTSIOD 3D Renderer v2.2w

Phong Rendering With Soft-Shadow Mapping



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

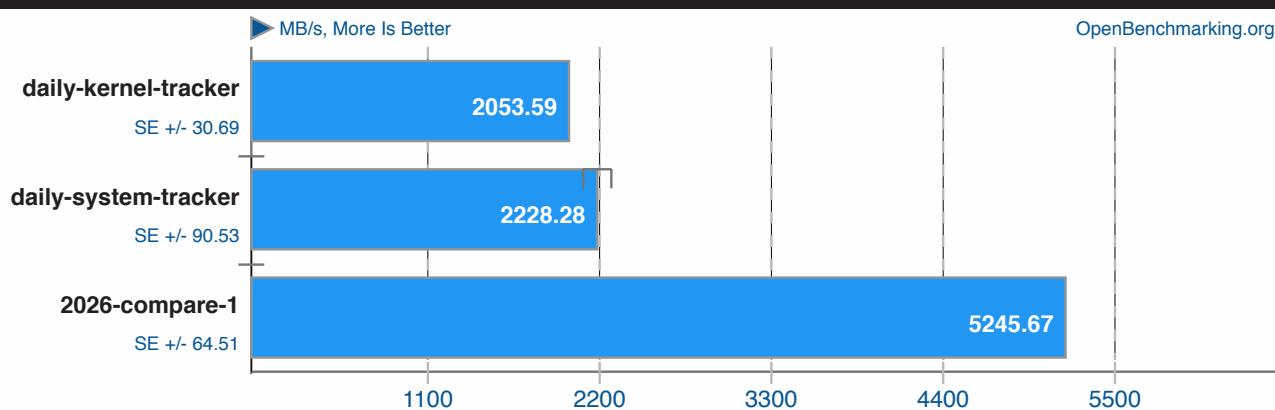
1. (CXX) g++ options: -O3 -fomit-frame-pointer -ffast-math -mtune=native -msse -mrecip -mfpmath=sse -msse2 -mssse3 -ISDL -Istdc++

IOzone v3.405

Size: 2GB - Disk Test: Read Performance



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

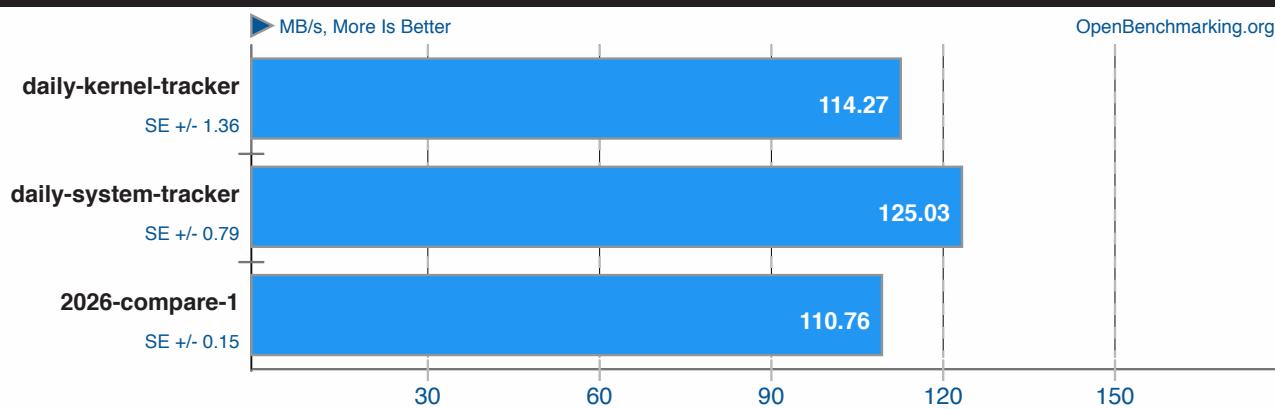
1. (CC) gcc options: -O3

IOzone v3.405

Size: 2GB - Disk Test: Write Performance



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

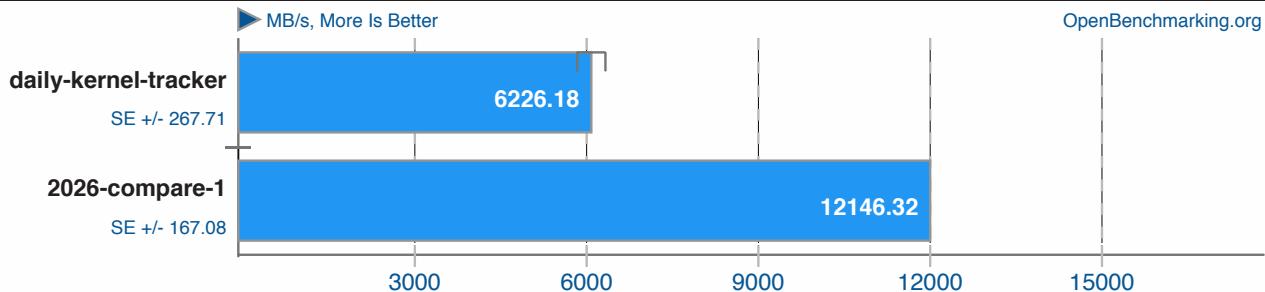
1. (CC) gcc options: -O3

Threaded I/O Tester v0.3.3

Test: Read - Size Per Thread: 64MB - Thread Count: 32



OpenBenchmarking.org



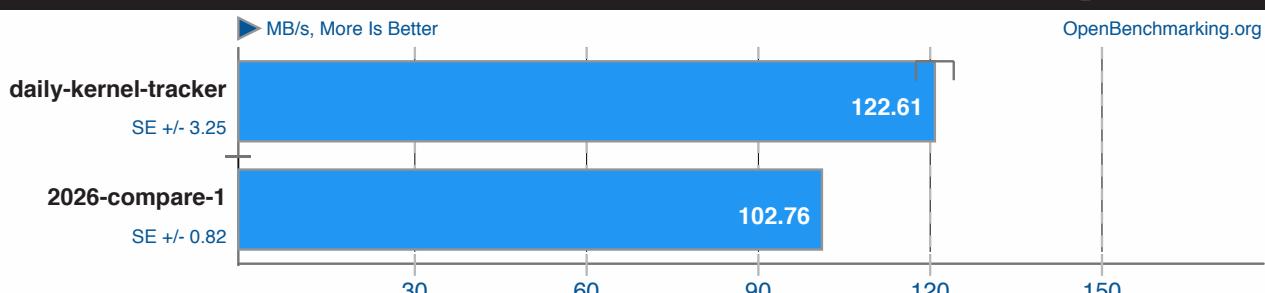
Phoronix Test Suite 7.0.0

Threaded I/O Tester v0.3.3

Test: Write - Size Per Thread: 64MB - Thread Count: 32



OpenBenchmarking.org



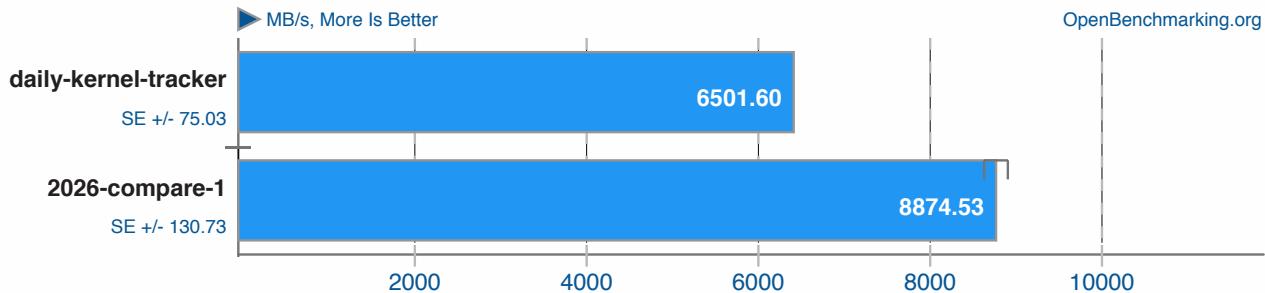
Phoronix Test Suite 7.0.0

Threaded I/O Tester v0.3.3

Test: Random Read - Size Per Thread: 64MB - Thread Count: 32



OpenBenchmarking.org



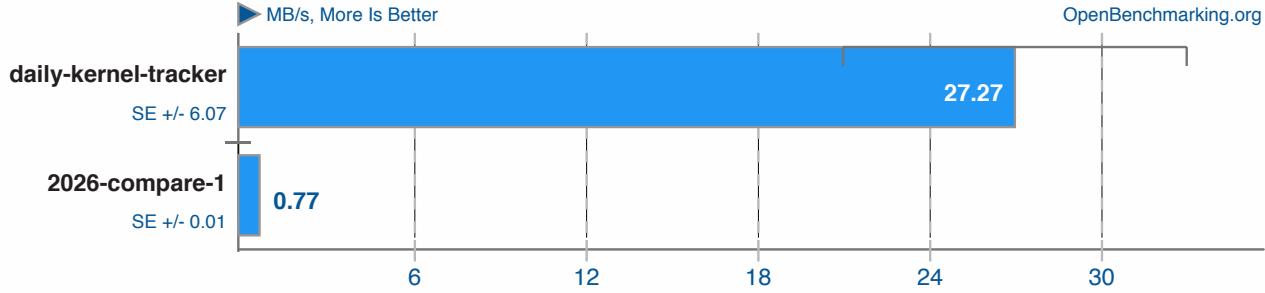
Phoronix Test Suite 7.0.0

Threaded I/O Tester v0.3.3

Test: Random Write - Size Per Thread: 64MB - Thread Count: 32



OpenBenchmarking.org



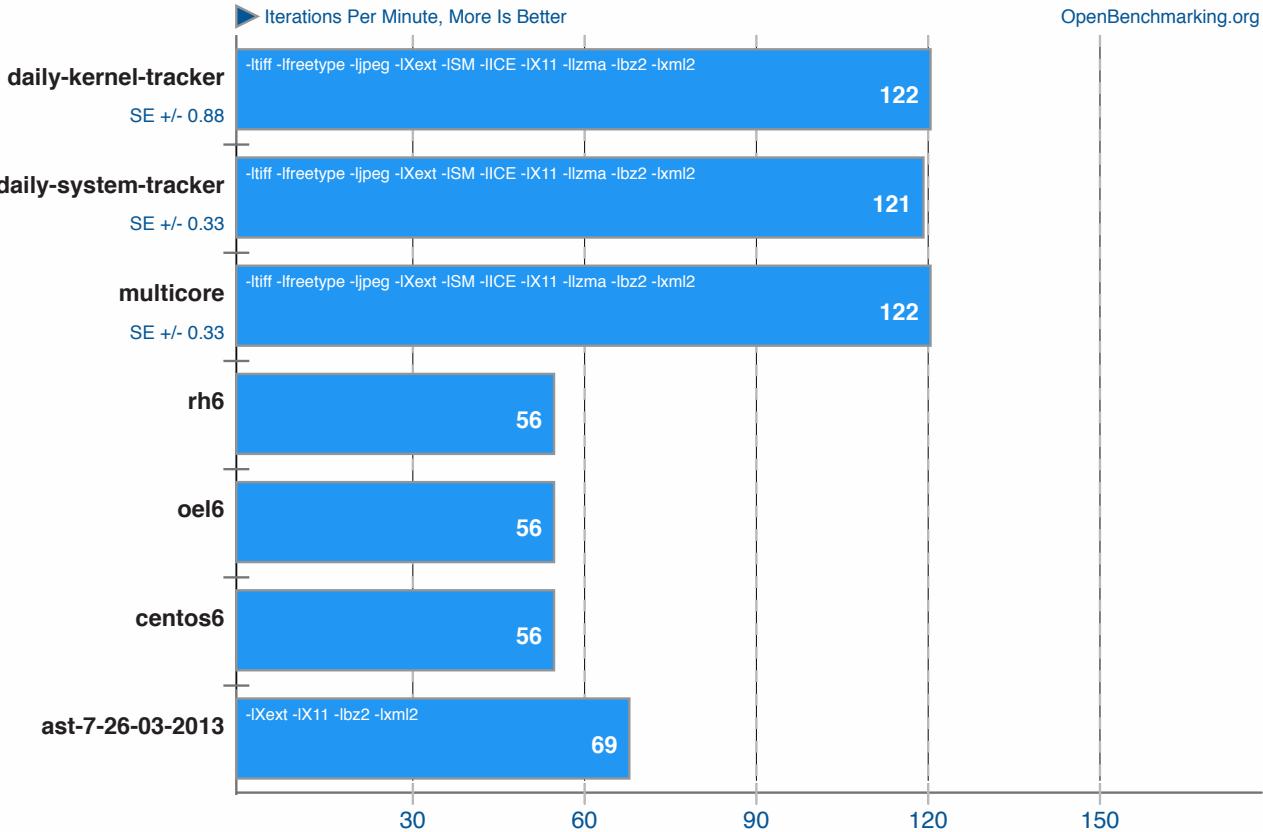
Phoronix Test Suite 7.0.0

GraphicsMagick v1.3.16

Operation: Local Adaptive Thresholding

ptsli

OpenBenchmarking.org



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

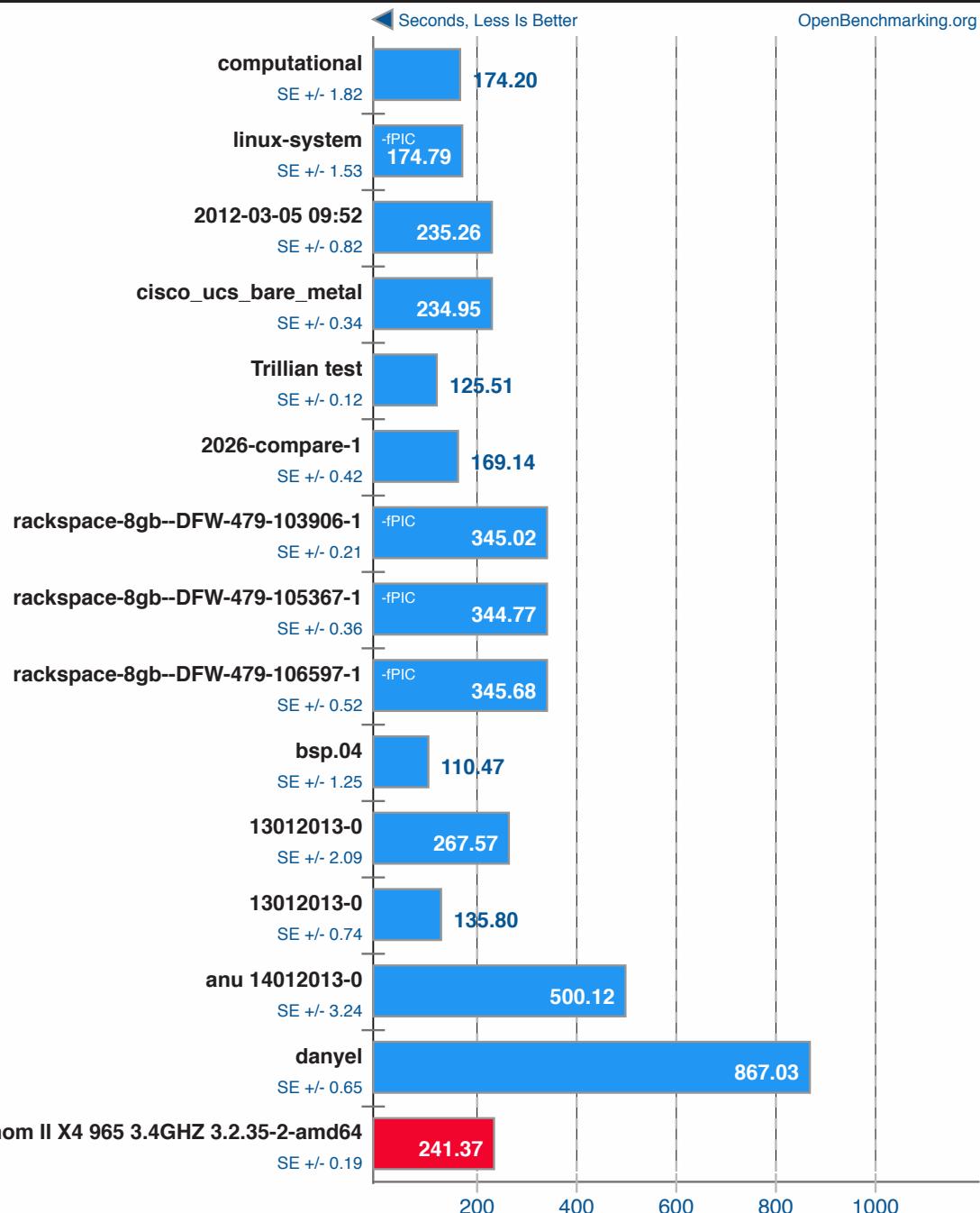
Phoronix Test Suite 7.0.0

Minion v0.12

Solitaire

ptsli.

OpenBenchmarking.org



1. (CXX) g++ options: -O3 -fomit-frame-pointer -rdynamic -lboost_iostreams-mt -lz -lbz2

Phoronix Test Suite 7.0.0

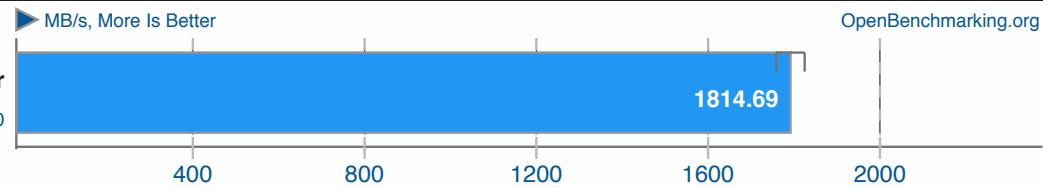
AIO-Stress v0.21

Phoronix Test Suite v4.0.1



daily-system-tracker

SE +/- 32.70



1. (CC) gcc options: -laio -lpthread

Phoronix Test Suite 7.0.0

Flexible IO Tester v1.57

Intel IOMeter File Server Access Pattern



disk
SE +/- 18.01

1126.57

2026-compare-1
SE +/- 101.88

4804.71

rackspace-8gb--DFW-479-103906-1
SE +/- 139.67

1832.81

rackspace-8gb--DFW-479-105367-1
SE +/- 68.29

1883.22

rackspace-8gb--DFW-479-106597-1
SE +/- 141.48

1990.13

1000 2000 3000 4000 5000



1. (CC) gcc options: -std=gnu99 -O2 -rdynamic -lm -lpthread -ldl -lrt -laio

Phoronix Test Suite 7.0.0

BYTE Unix Benchmark v3.6

Integer Arithmetic



kernel

SE +/- 20886.33

2677317.07

2026-compare-1

1

600000 1200000 1800000 2400000 3000000



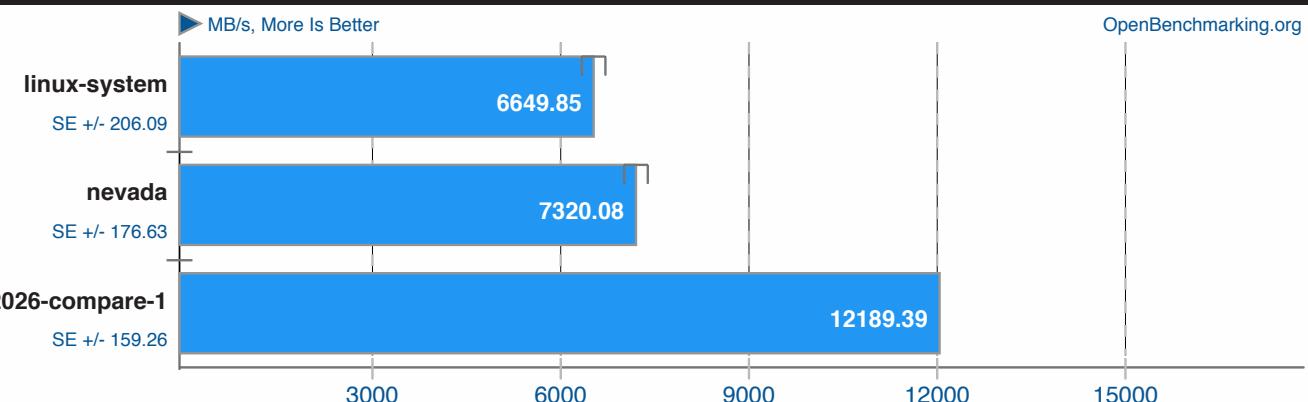
Phoronix Test Suite 7.0.0

Threaded I/O Tester v0.3.3

64MB Read - 32 Threads



OpenBenchmarking.org



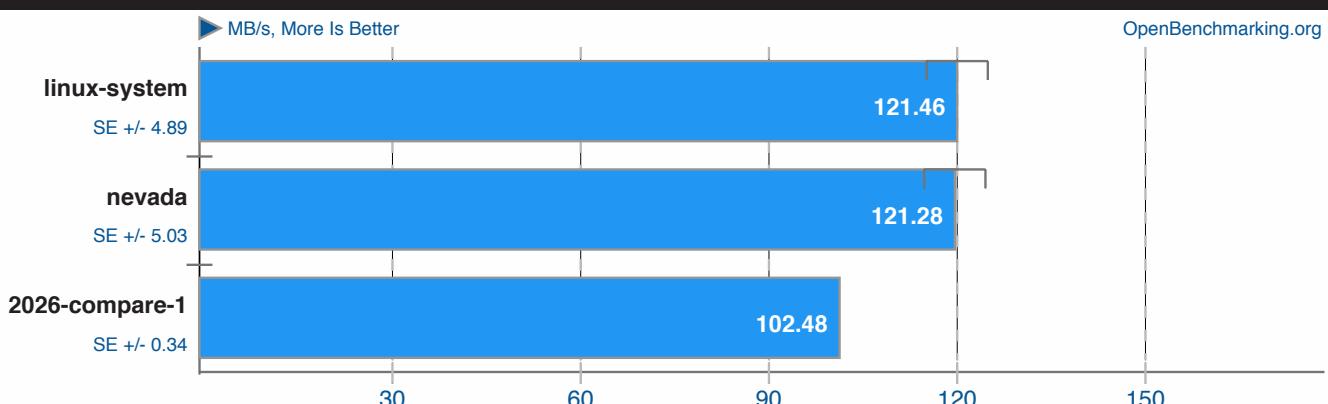
Phoronix Test Suite 7.0.0

Threaded I/O Tester v0.3.3

64MB Write - 32 Threads



OpenBenchmarking.org



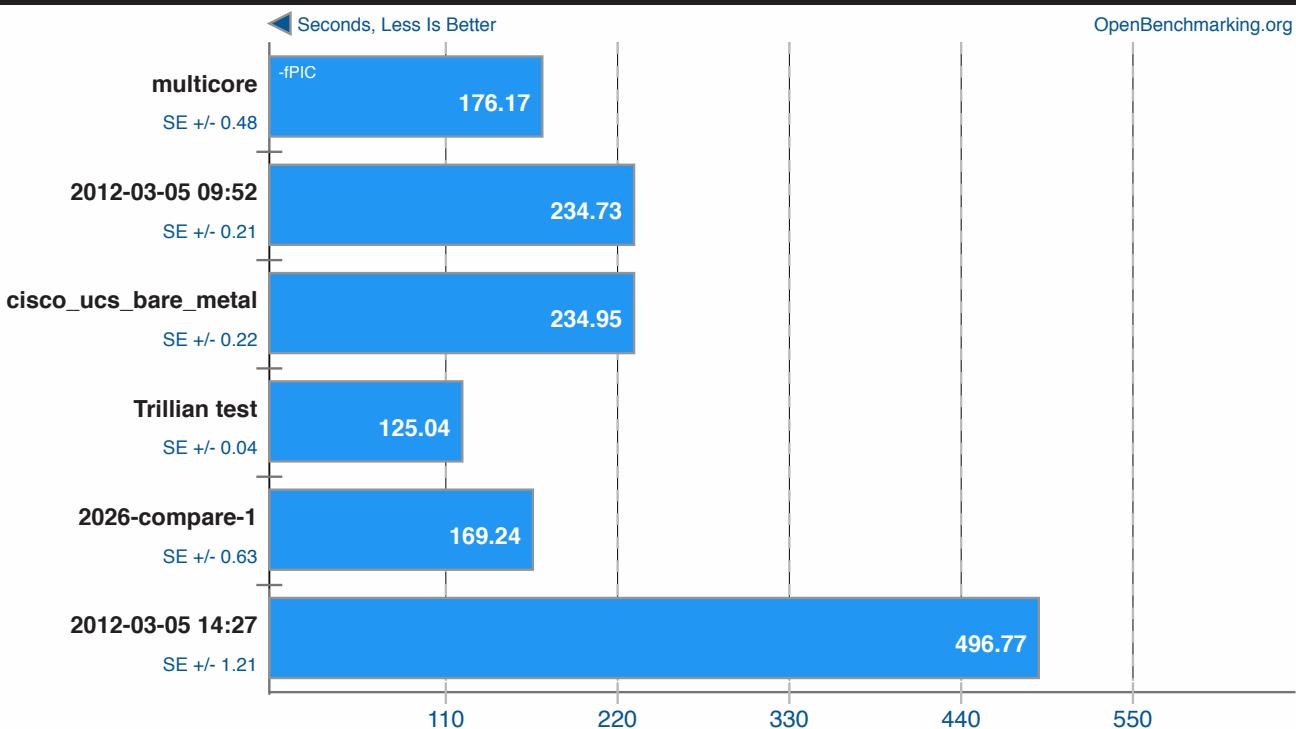
Phoronix Test Suite 7.0.0

Minion v0.12

Benchmark: Solitaire



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

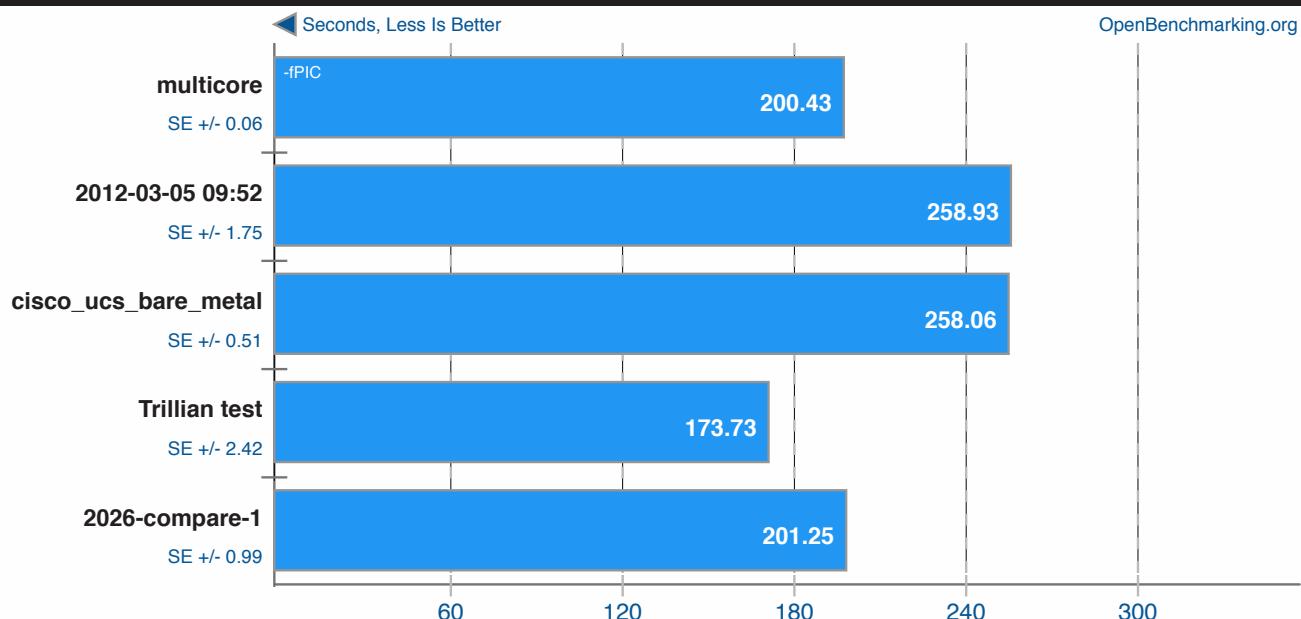
1. (CXX) g++ options: -O3 -fomit-frame-pointer -rdynamic -lboost_iostreams-mt -lz -lbz2

Minion v0.12

Benchmark: Quasigroup



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

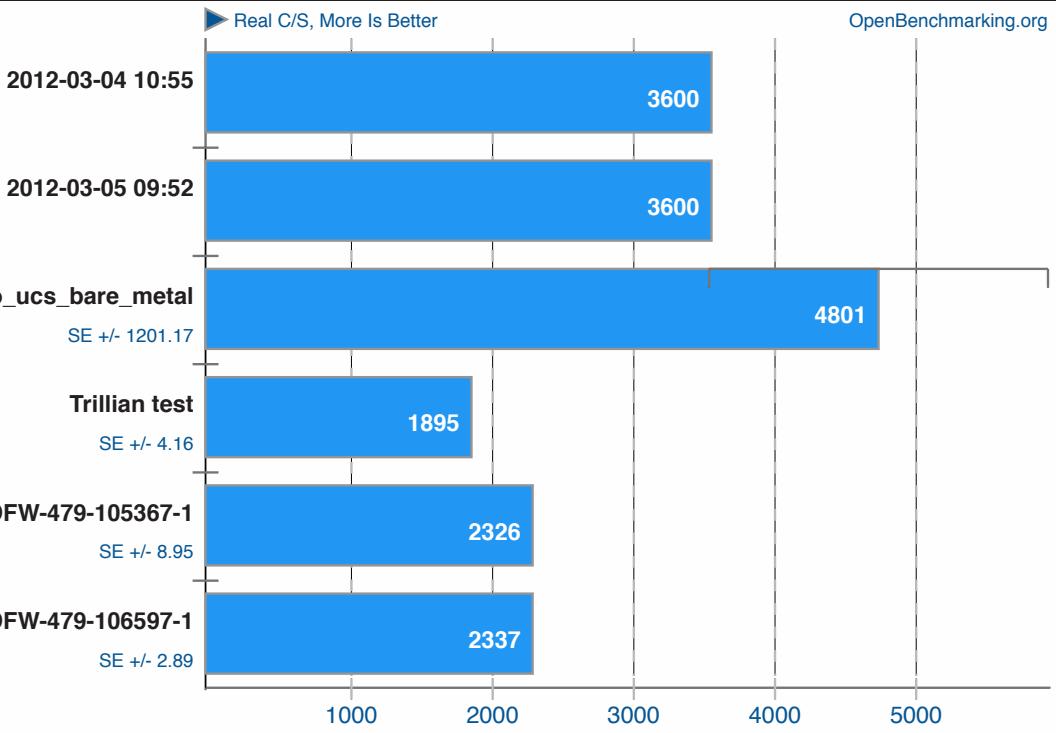
1. (CXX) g++ options: -O3 -fomit-frame-pointer -rdynamic -lboost_iostreams-mt -lz -lbz2

John The Ripper v1.7.9

Blowfish



OpenBenchmarking.org



1. (CC) gcc options: -fopenmp -lcrypt

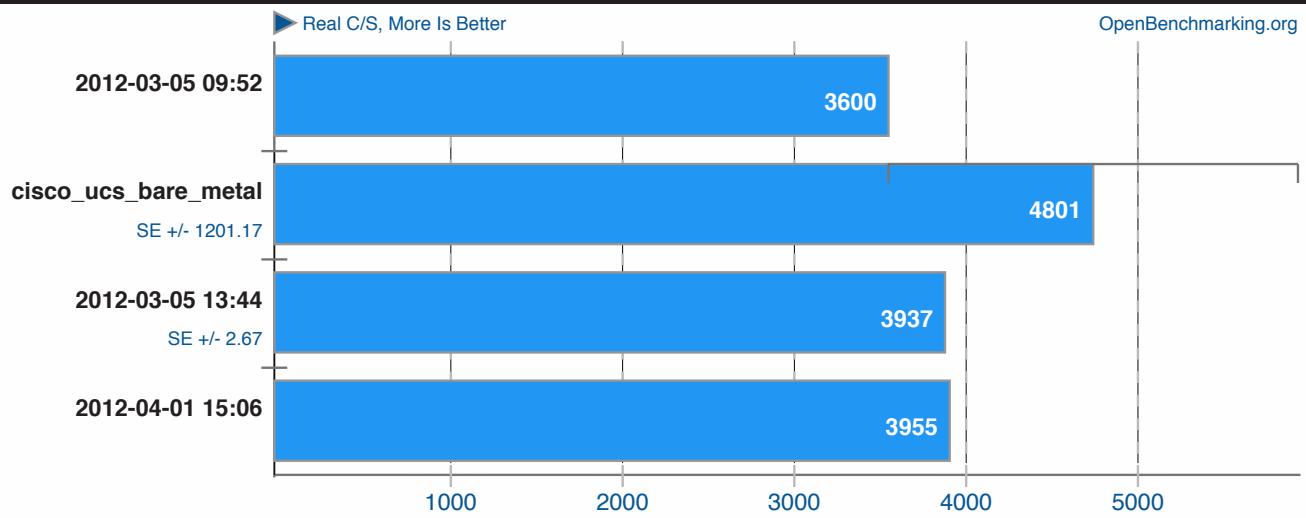
Phoronix Test Suite 7.0.0

John The Ripper v1.7.9

Test: Blowfish



OpenBenchmarking.org



1. (CC) gcc options: -fopenmp -lcrypt

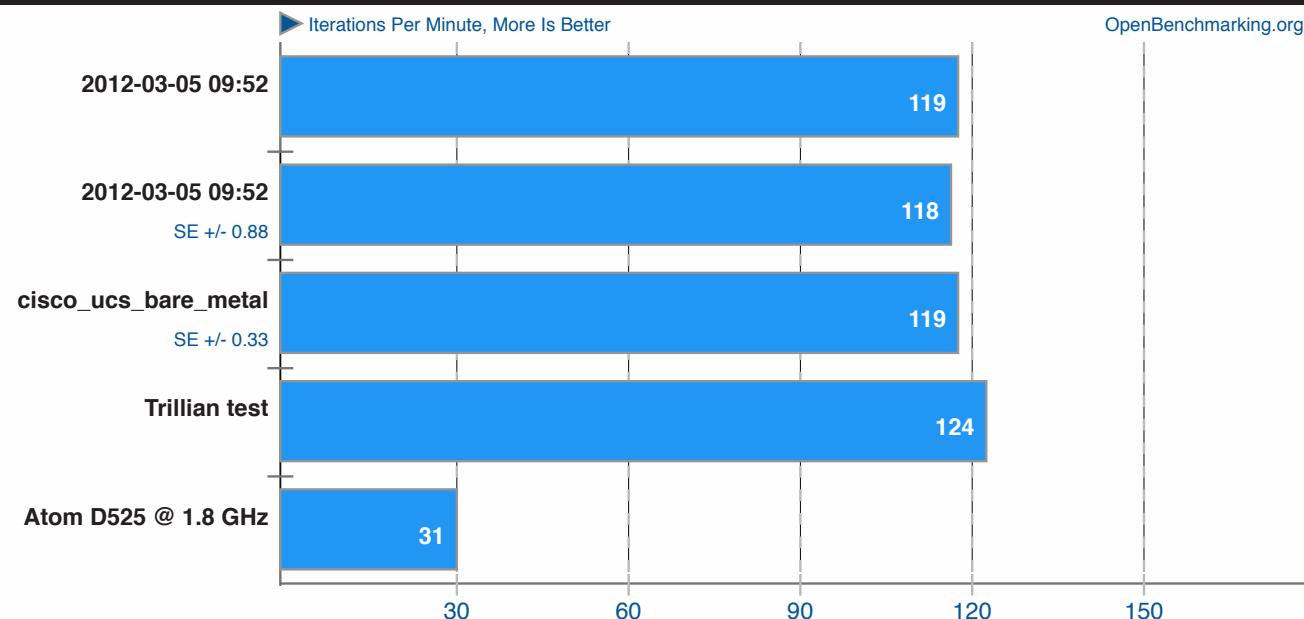
Phoronix Test Suite 7.0.0

GraphicsMagick v1.3.12

HWB Color Space



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

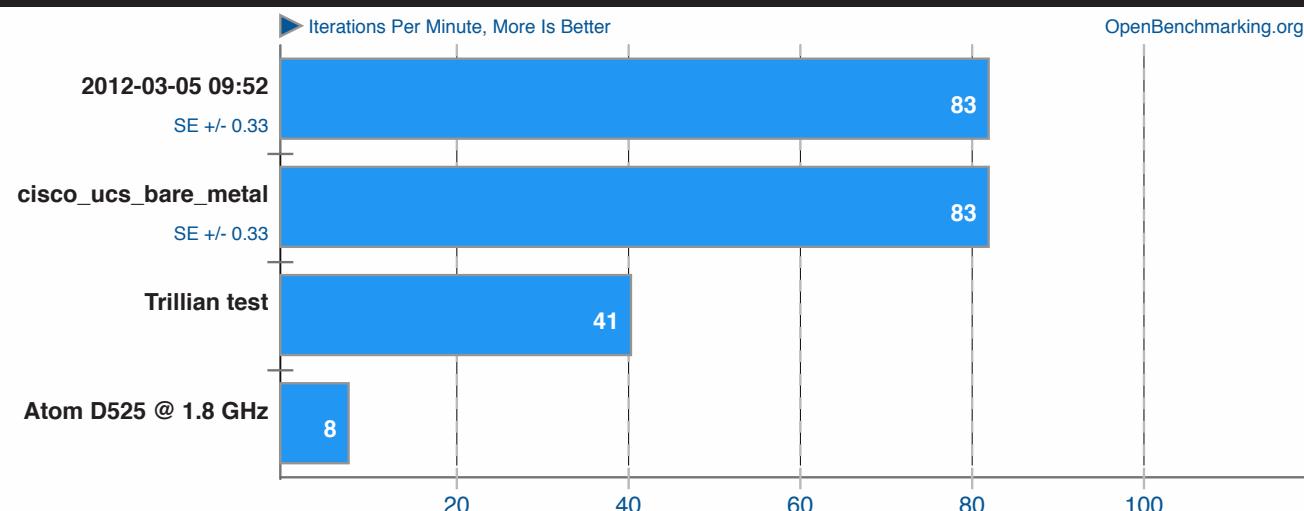
1. (CC) gcc options: -std=gnu99 -fopenmp -O2 -pthread -lc -lXext -lSM -lICE -lX11 -lbz2 -lz -lm -lgomp -lpthread

GraphicsMagick v1.3.12

Local Adaptive Thresholding



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

1. (CC) gcc options: -std=gnu99 -fopenmp -O2 -pthread -lc -lXext -lSM -lICE -lX11 -lbz2 -lz -lm -lgomp -lpthread

GraphicsMagick v1.3.12

Resizing



OpenBenchmarking.org

2012-03-05 09:52

SE +/- 1.20

109

cisco_ucs_bare_metal

SE +/- 0.67

109

Trillian test

102

Atom D525 @ 1.8 GHz

25

20 40 60 80 100



Phoronix Test Suite 7.0.0

1. (CC) gcc options: -std=gnu99 -fopenmp -O2 -pthread -lc -lXext -lSM -lICE -lX11 -lbz2 -lz -lm -lgomp -lpthread

GraphicsMagick v1.3.12

Sharpen



OpenBenchmarking.org

2012-03-05 09:52

SE +/- 0.33

85

cisco_ucs_bare_metal

SE +/- 0.33

86

Trillian test

42

Atom D525 @ 1.8 GHz

12

20 40 60 80 100



Phoronix Test Suite 7.0.0

1. (CC) gcc options: -std=gnu99 -fopenmp -O2 -pthread -lc -lXext -lSM -lICE -lX11 -lbz2 -lz -lm -lgomp -lpthread

John The Ripper v1.7.9

Traditional DES



OpenBenchmarking.org

2012-03-05 09:52

SE +/- 6333.33

4921333

cisco_ucs_bare_metal

SE +/- 4581835.95

9490833

2000000 4000000 6000000 8000000 10000000



Phoronix Test Suite 7.0.0

John The Ripper v1.7.9

Test: Traditional DES



OpenBenchmarking.org

2012-03-05 09:52

SE +/- 6333.33

4921333

cisco_ucs_bare_metal

SE +/- 4581835.95

9490833

2000000 4000000 6000000 8000000 10000000



Phoronix Test Suite 7.0.0

John The Ripper v1.7.9

Test: MD5



OpenBenchmarking.org

2012-03-05 09:52

SE +/- 12601.79

76800

cisco_ucs_bare_metal

SE +/- 12601.79

89371

20000 40000 60000 80000 100000



Phoronix Test Suite 7.0.0

BYTE Unix Benchmark v3.6

Integer Arithmetic



OpenBenchmarking.org

2012-03-05 09:52

SE +/- 156.27

2415542.83

cisco_ucs_bare_metal

SE +/- 154.47

2415456.07

Trillian test

SE +/- 1543.70

2408623.57

500000 1000000 1500000 2000000 2500000



Phoronix Test Suite 7.0.0

Nexuiz v2.5.2

1920 x 1080



OpenBenchmarking.org

PC300 NVMe SK hynix - Intel Kabylake GT2 - Qualcomm

SE +/- 0.02

65.80

► Frames Per Second, More Is Better

TUXEDO_InfinityBook15_WarumLinuxBesserIst_2016-11-17

SE +/- 0.02

41.71

MIN: 28 / MAX: 57

KDE-Slimbook ootb

SE +/- 0.06

35.79

MIN: 25 / MAX: 49

15 30 45 60 75



Phoronix Test Suite 7.0.0

Unigine Heaven v4.0

1920 x 1080



OpenBenchmarking.org

PC300 NVMe SK hynix - Intel Kabylake GT2 - Qualcomm

SE +/- 0.05

14.52

► Frames Per Second, More Is Better

TUXEDO_InfinityBook15_WarumLinuxBesserIst_2016-11-17

SE +/- 0.02

7.44

KDE-Slimbook ootb

SE +/- 0.06

17.61

4 8 12 16 20



Phoronix Test Suite 7.0.0

GpuTest v0.7.0

Test: GiMark - Resolution: 1920 x 1200



OpenBenchmarking.org

I1504

SE +/- 25.12

4007

900 1800 2700 3600 4500



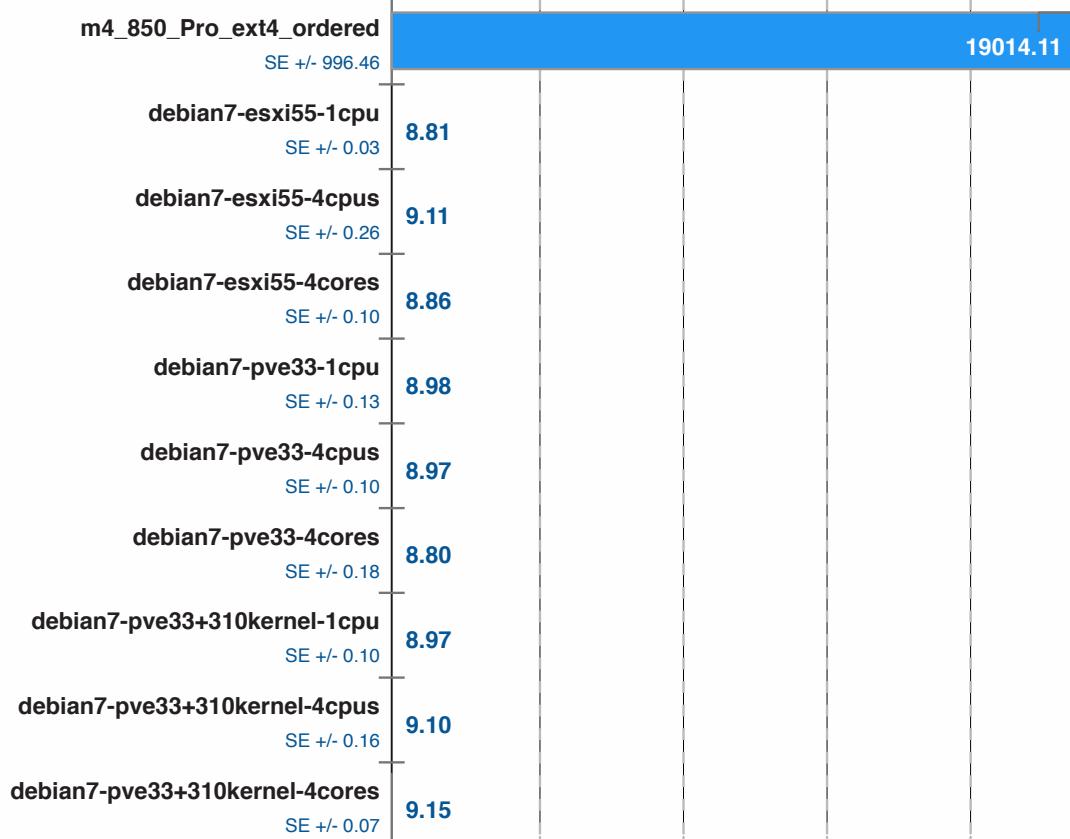
Phoronix Test Suite 7.0.0

Threaded I/O Tester v0.3.3

Test: Random Read - Size Per Thread: 256MB - Thread Count: 32



OpenBenchmarking.org



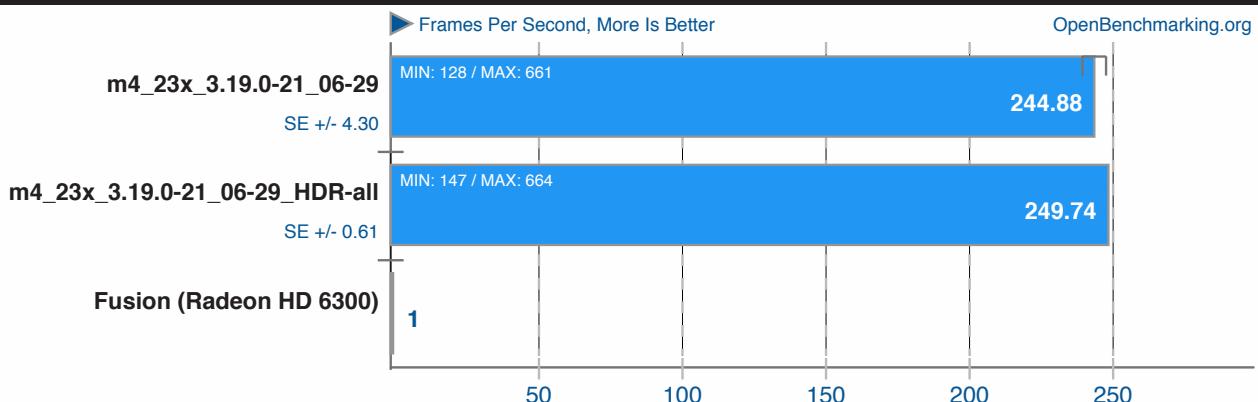
Phoronix Test Suite 7.0.0

Nexuiz v2.5.2

Resolution: 1920 x 1200 - HDR: No - Sound: Off



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

Nexuiz v2.5.2

Resolution: 1920 x 1200 - HDR: Yes - Sound: Off



OpenBenchmarking.org



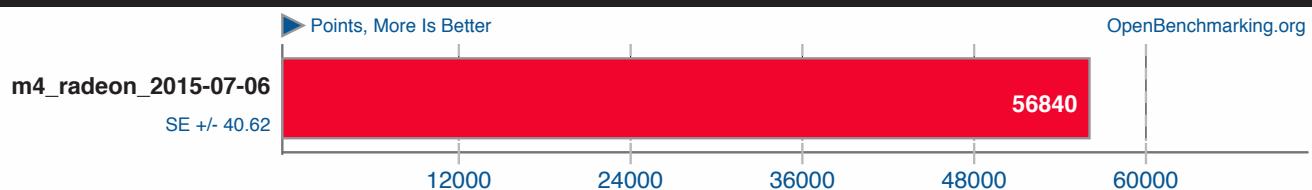
Phoronix Test Suite 7.0.0

GpuTest v0.7.0

Test: Plot3D - Resolution: 1920 x 1200 - Mode: Fullscreen



OpenBenchmarking.org



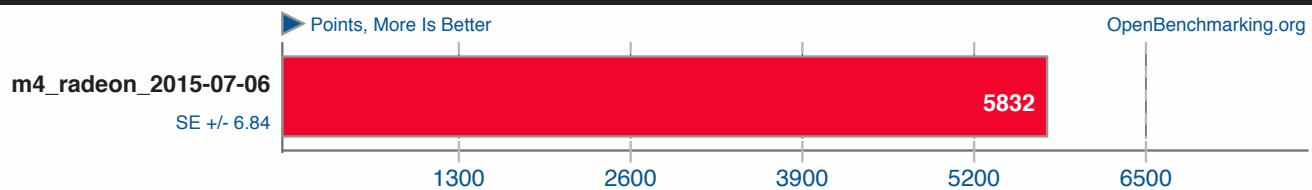
Phoronix Test Suite 7.0.0

GpuTest v0.7.0

Test: Furmark - Resolution: 1920 x 1200 - Mode: Fullscreen



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

GpuTest v0.7.0

Test: Triangle - Resolution: 1920 x 1200 - Mode:Fullscreen



m4_radeon_2015-07-06

SE +/- 3063.40

407094

90000 180000 270000 360000 450000

OpenBenchmarking.org



Phoronix Test Suite 7.0.0

GpuTest v0.7.0

Test: Pixmark Piano - Resolution: 1920 x 1200 - Mode:Fullscreen



m4_radeon_2015-07-06

744

160 320 480 640 800

OpenBenchmarking.org



Phoronix Test Suite 7.0.0

GpuTest v0.7.0

Test: Pixmark Volplosion - Resolution: 1920 x 1200 - Mode:Fullscreen



m4_radeon_2015-07-06

SE +/- 3.28

3386

700 1400 2100 2800 3500

OpenBenchmarking.org



Phoronix Test Suite 7.0.0

Nexuiz v2.5.2

Resolution: 2560 x 1440 - HDR: No - Sound: Off



m4 2560 x 1440

SE +/- 1.44

MIN: 120 / MAX: 645

236.82

50 100 150 200 250

OpenBenchmarking.org



Phoronix Test Suite 7.0.0

Unigine Valley v1.0

Resolution: 2560 x 1440 - Mode:Fullscreen



m4_valley_2560

SE +/- 0.02

60.64

14 28 42 56 70

OpenBenchmarking.org



Phoronix Test Suite 7.0.0

SQLite v3.8.10.2

Test Target: Default Test Directory



OpenBenchmarking.org

Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit
-lreadline
SE +/- 4.01 102.29

Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260
SE +/- 0.07 39.56

SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection
SE +/- 0.16 32.63

centOS7
SE +/- 0.06 53.56

ubuntu1704-new
-lcurses
SE +/- 0.09 43.05

fedora25
SE +/- 0.12 55.24

20 40 60 80 100

Phoronix Test Suite 7.0.0



1. (CC) gcc options: -O2 -ldl -lpthread

QGears2

Rendering: OpenGL - Test: Text



OpenBenchmarking.org

Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit
SE +/- 0.55 299.85

Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260
SE +/- 0.05 24.49

stock_archlinux
SE +/- 0.21 186.48

custom_ck_kernel
SE +/- 0.09 204.00

custom_lqx_kernel
SE +/- 0.13 205.63

SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection
SE +/- 0.44 24.98

70 140 210 280 350

Phoronix Test Suite 7.0.0



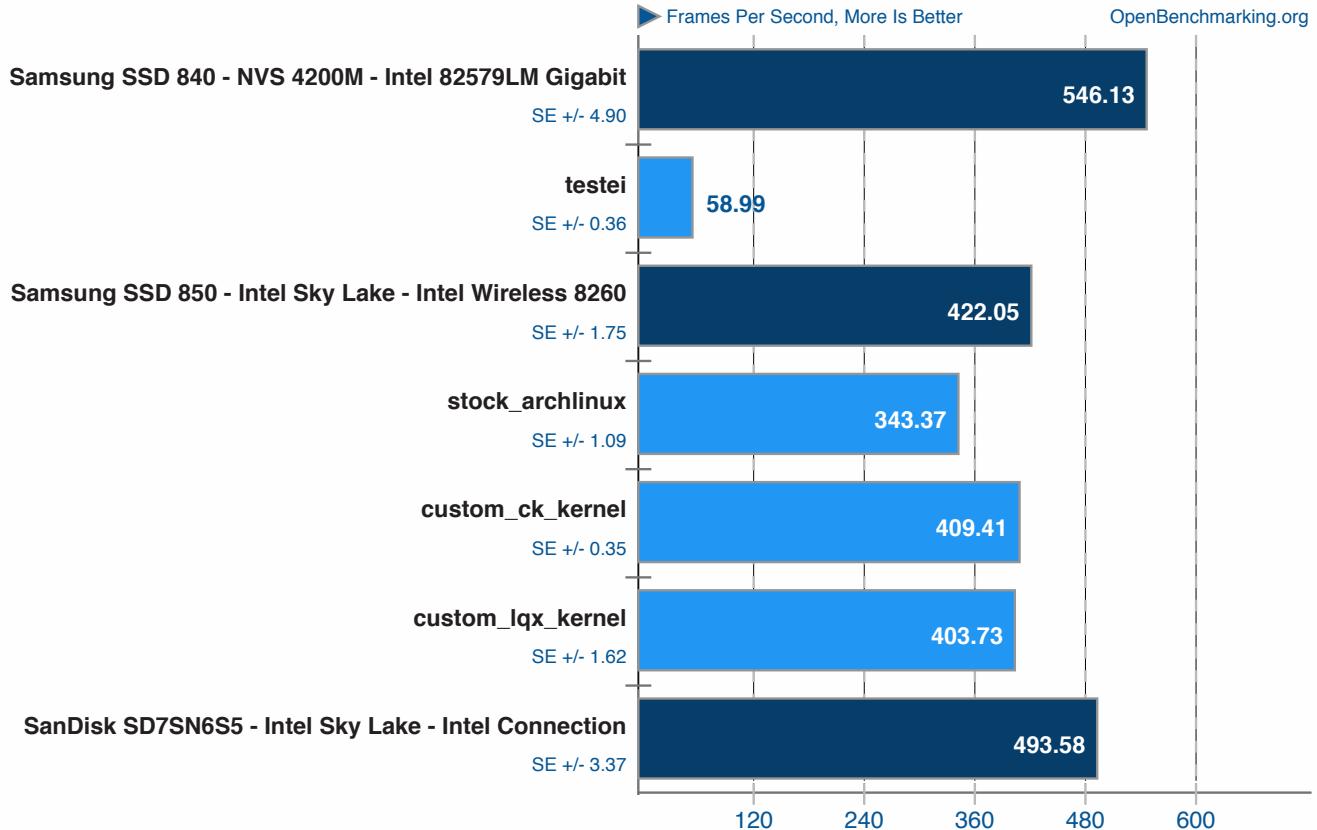
1. (CXX) g++ options: -m64 -lQtOpenGL -lQtGui -lQtCore -lGL -lpthread

QGears2

Rendering: OpenGL - Test: Gears



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

1. (CXX) g++ options: -m64 -IQtOpenGL -IQtGui -IQtCore -IGL -lpthread

QGears2

Rendering: OpenGL - Test: Image Scaling



OpenBenchmarking.org

Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit
SE +/- 4.41 1559.30

SE +/- 4.41

SE +/- 0.94

162.35

Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260
SE +/- 51.55 1159.89

SE +/- 51.55

stock_archlinux

SE +/- 5.44

1349.03

custom_ck_kernel

SE +/- 3.89

1426.47

custom_lqx_kernel

SE +/- 2.42

1461.91

SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection
SE +/- 98.51 1307.29

300 600 900 1200 1500

Phoronix Test Suite 7.0.0



1. (CXX) g++ options: -m64 -IQtOpenGL -IQtGui -IQtCore -IGL -lpthread

QGears2

Rendering: CPU-based Raster - Test: Text



OpenBenchmarking.org

Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit
SE +/- 2.77 210.18

Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260
SE +/- 0.17 23.82

stock_archlinux
SE +/- 0.07 154.20

custom_ck_kernel
SE +/- 0.07 165.04

custom_lqx_kernel
SE +/- 0.33 170.19

SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection
SE +/- 0.04 26.41

50 100 150 200 250

Phoronix Test Suite 7.0.0



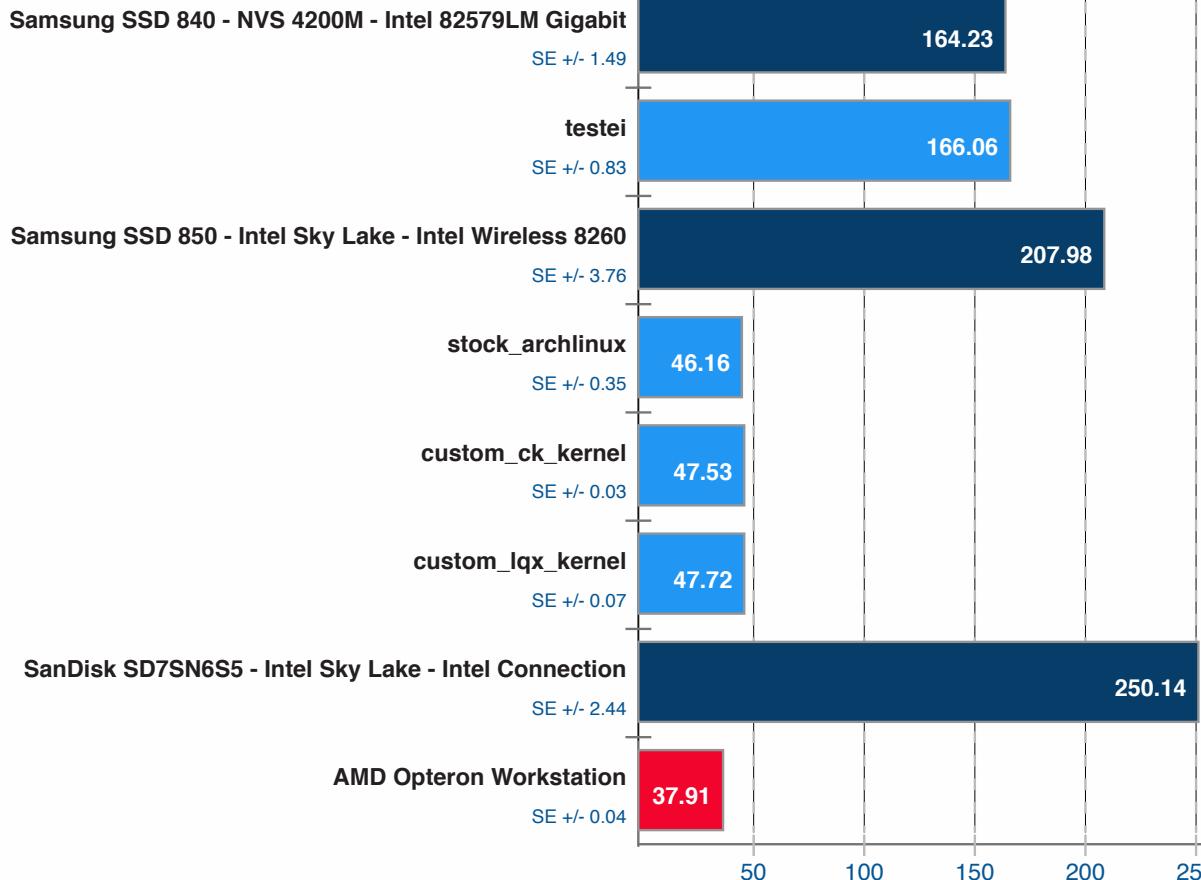
1. (CXX) g++ options: -m64 -IQtOpenGL -IQtGui -IQtCore -IGL -lpthread

QGears2

Rendering: CPU-based Raster - Test: Gears



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

1. (CXX) g++ options: -m64 -IQtOpenGL -IQtGui -IQtCore -IGL -lpthread

QGears2

Rendering: XRender Extension - Test: Text



OpenBenchmarking.org

Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit

SE +/- 2.31

145.66

testei

SE +/- 0.79

177.45

Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260

SE +/- 0.29

48.38

stock_archlinux

SE +/- 0.86

299.40

custom_ck_kernel

SE +/- 0.27

283.49

custom_lqx_kernel

SE +/- 0.76

292.86

SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection

SE +/- 0.51

52.82

70

140

210

280

350



1. (CXX) g++ options: -m64 -IQtOpenGL -IQtGui -IQtCore -IGL -lpthread

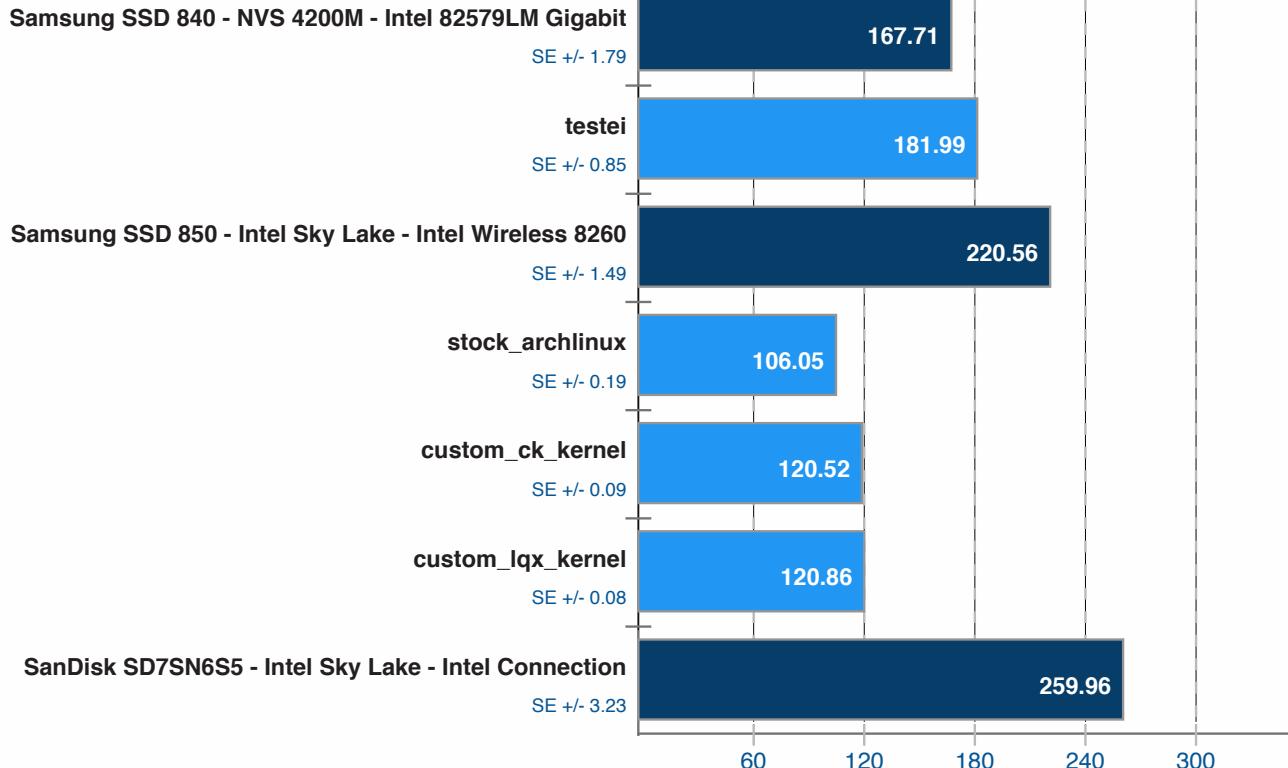
Phoronix Test Suite 7.0.0

QGears2

Rendering: XRender Extension - Test: Gears



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

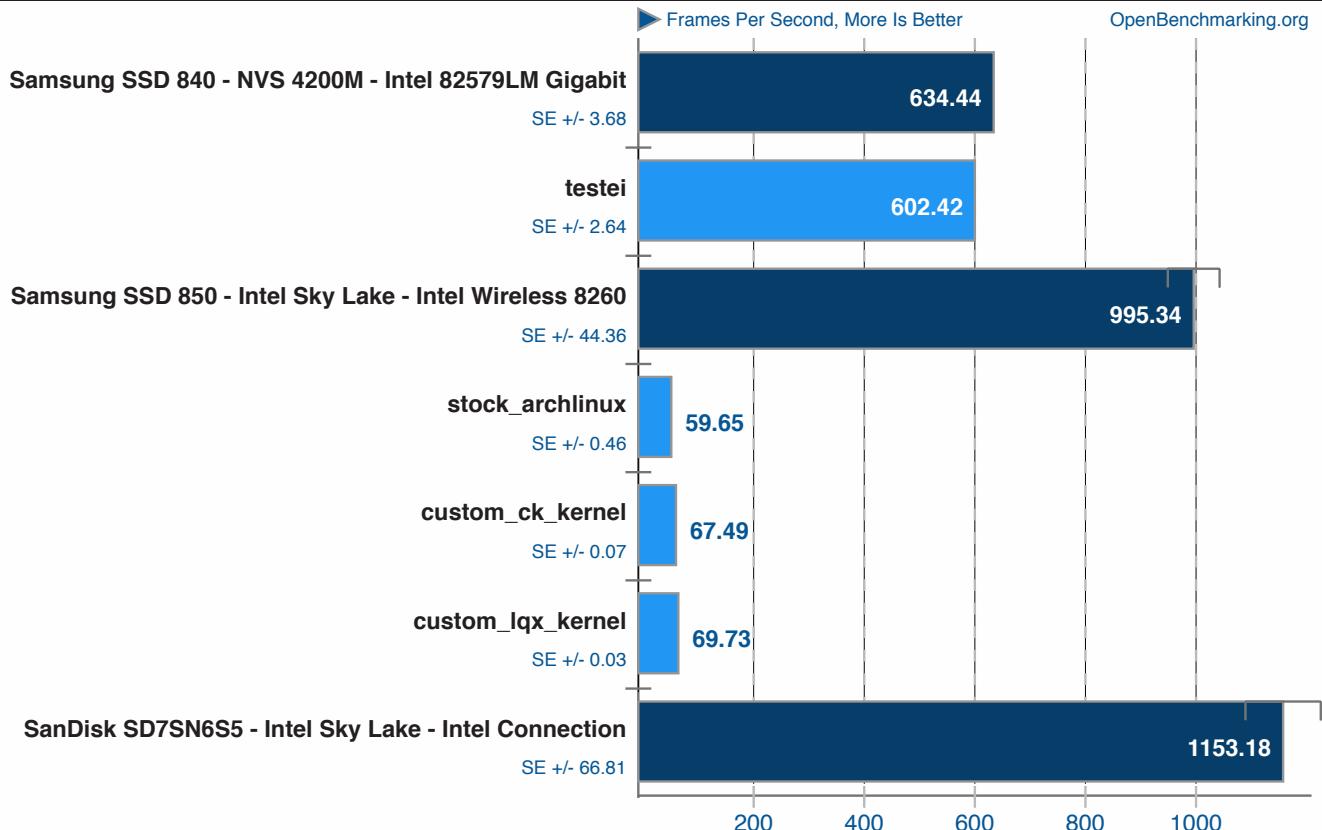
1. (CXX) g++ options: -m64 -IQtOpenGL -IQtGui -IQtCore -IGL -lpthread

QGears2

Rendering: CPU-based Raster - Test: Image Scaling



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

1. (CXX) g++ options: -m64 -IQtOpenGL -IQtGui -IQtCore -IGL -lpthread

QGears2

Rendering: XRender Extension - Test: Image Scaling



OpenBenchmarking.org

Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit

SE +/- 21.85

672.35

testei

SE +/- 6.67

755.66

Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260

SE +/- 55.00

1190.77

stock_archlinux

SE +/- 0.18

63.25

custom_ck_kernel

SE +/- 0.02

68.23

custom_lqx_kernel

SE +/- 0.02

70.34

SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection

SE +/- 78.12

1458.91

300 600 900 1200 1500



1. (CXX) g++ options: -m64 -IQtOpenGL -IQtGui -IQtCore -IGL -lpthread

Phoronix Test Suite 7.0.0

JXRenderMark v1.0.1

Test: Simple Blit - Size: 32x32



OpenBenchmarking.org

Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit

SE +/- 7105.73

184826.88

Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260

SE +/- 52884.03

1247957.55

SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection

SE +/- 35454.27

1344669.36

300000 600000 900000 1200000 1500000



1. (CC) gcc options: -IQtOpenGL -IQtGui -IQtCore -IGL -lpthread

Phoronix Test Suite 7.0.0

JXRenderMark v1.0.1

Test: 12pt Text LCD - Size: 32x32



Operations Per Second, More Is Better

OpenBenchmarking.org

Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit

SE +/- 891.10

74168.55

Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260

SE +/- 792.83

133329.39

SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection

SE +/- 1470.68

146749.82

30000 60000 90000 120000 150000

Phoronix Test Suite 7.0.0



1. (CC) gcc options: -IX11 -IXrender

JXRenderMark v1.0.1

Test: Simple Blit - Size: 128x128



Operations Per Second, More Is Better

OpenBenchmarking.org

Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit

SE +/- 255.49

57537.54

Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260

SE +/- 162549.03

1089427.21

SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection

SE +/- 198104.90

1077552.13

200000 400000 600000 800000 1000000

Phoronix Test Suite 7.0.0



1. (CC) gcc options: -IX11 -IXrender

JXRenderMark v1.0.1

Test: 12pt Text LCD - Size: 128x128



Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit

SE +/- 324.38

43791.63

Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260

SE +/- 299.19

64916.79

SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection

SE +/- 606.80

70827.95

15000 30000 45000 60000 75000

OpenBenchmarking.org



1. (CC) gcc options: -IX11 -IXrender

Phoronix Test Suite 7.0.0

JXRenderMark v1.0.1

Test: Put Composition - Size: 32x32



Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit

SE +/- 237.46

115561.27

Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260

SE +/- 1990.53

261957.32

SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection

SE +/- 2191.84

282982.13

60000 120000 180000 240000 300000

OpenBenchmarking.org



1. (CC) gcc options: -IX11 -IXrender

Phoronix Test Suite 7.0.0

JXRenderMark v1.0.1

Test: Put Composition - Size: 128x128



Operations Per Second, More Is Better

OpenBenchmarking.org

Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit

SE +/- 222.73

36066.73

Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260

SE +/- 1086.05

39675.55

SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection

SE +/- 640.86

42479.28

9000 18000 27000 36000 45000



1. (CC) gcc options: -Ix11 -Ixrender

Phoronix Test Suite 7.0.0

JXRenderMark v1.0.1

Test: Rects Composition - Size: 32x32



Operations Per Second, More Is Better

OpenBenchmarking.org

Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit

SE +/- 948.10

115331.69

Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260

SE +/- 1787.81

201438.79

SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection

SE +/- 1536.96

209112.08

40000 80000 120000 160000 200000



1. (CC) gcc options: -Ix11 -Ixrender

Phoronix Test Suite 7.0.0

JXRenderMark v1.0.1

Test: 12pt Text Grayscale - Size: 32x32



Operations Per Second, More Is Better

OpenBenchmarking.org

Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit

SE +/- 368.80

89789.29

Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260

SE +/- 1407.42

124670.06

SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection

SE +/- 1559.65

136880.13

30000 60000 90000 120000 150000

Phoronix Test Suite 7.0.0



1. (CC) gcc options: -IX11 -IXrender

JXRenderMark v1.0.1

Test: Rects Composition - Size: 128x128



Operations Per Second, More Is Better

OpenBenchmarking.org

Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit

SE +/- 162.51

37644.01

Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260

SE +/- 701.00

41893.58

SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection

SE +/- 475.10

44172.83

9000 18000 27000 36000 45000

Phoronix Test Suite 7.0.0



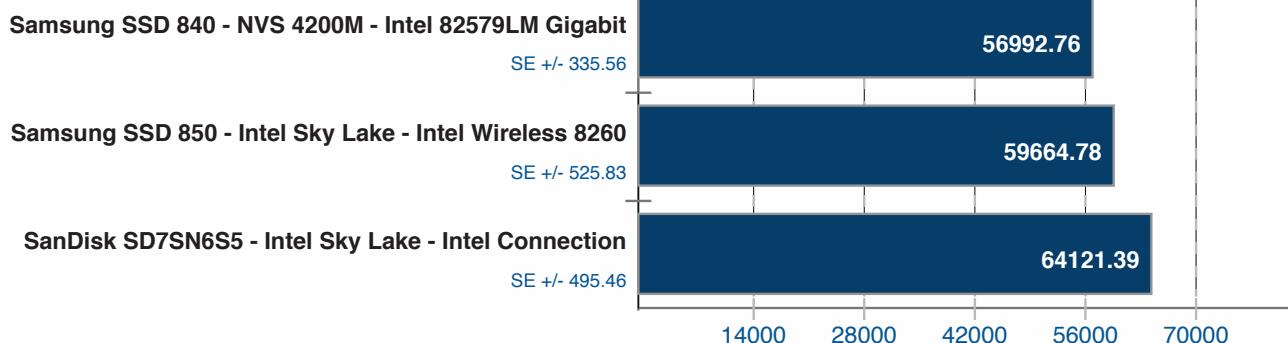
1. (CC) gcc options: -IX11 -IXrender

JXRenderMark v1.0.1

Test: 12pt Text Grayscale - Size: 128x128



OpenBenchmarking.org



1. (CC) gcc options: -IX11 -IXrender

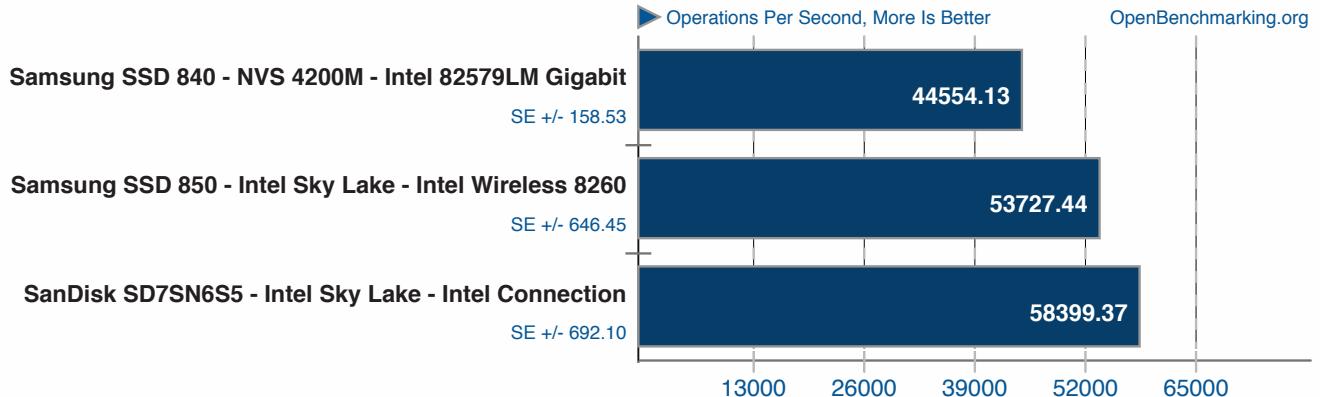
Phoronix Test Suite 7.0.0

JXRenderMark v1.0.1

Test: Gradient+Temp Texture - Size: 32x32



OpenBenchmarking.org



1. (CC) gcc options: -IX11 -IXrender

Phoronix Test Suite 7.0.0

JXRenderMark v1.0.1

Test: Linear Gradient Blend - Size: 32x32



Operations Per Second, More Is Better

OpenBenchmarking.org

Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit

SE +/- 263.03

59106.64

Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260

SE +/- 493.41

57938.33

SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection

SE +/- 308.07

63586.82

14000 28000 42000 56000 70000



1. (CC) gcc options: -Ix11 -Ixrender

Phoronix Test Suite 7.0.0

JXRenderMark v1.0.1

Test: Radial Gradient Paint - Size: 32x32



Operations Per Second, More Is Better

OpenBenchmarking.org

Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit

SE +/- 274.32

59160.38

Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260

SE +/- 1251.74

107594.31

SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection

SE +/- 673.88

118147.14

30000 60000 90000 120000 150000



1. (CC) gcc options: -Ix11 -Ixrender

Phoronix Test Suite 7.0.0

JXRenderMark v1.0.1

Test: Gradient+Temp Texture - Size: 128x128



OpenBenchmarking.org



SE +/- 175.84

SE +/- 76.88

3000 6000 9000 12000 15000

Phoronix Test Suite 7.0.0



1. (CC) gcc options: -Ix11 -Ixrender

JXRenderMark v1.0.1

Test: Linear Gradient Blend - Size: 128x128



OpenBenchmarking.org



SE +/- 151.90

SE +/- 114.35

4000 8000 12000 16000 20000

Phoronix Test Suite 7.0.0



1. (CC) gcc options: -Ix11 -Ixrender

JXRenderMark v1.0.1

Test: Radial Gradient Paint - Size: 128x128



Operations Per Second, More Is Better

OpenBenchmarking.org

Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit

SE +/- 60.42

19205.01

Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260

SE +/- 403.12

16433.31

SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection

SE +/- 213.11

17892.87

4000 8000 12000 16000 20000



1. (CC) gcc options: -IX11 -IXrender

Phoronix Test Suite 7.0.0

JXRenderMark v1.0.1

Test: Transformed Blit Linear - Size: 32x32



Operations Per Second, More Is Better

OpenBenchmarking.org

Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit

SE +/- 796.77

191759.00

Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260

SE +/- 1303.21

183006.69

SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection

SE +/- 1598.98

198737.38

40000 80000 120000 160000 200000



1. (CC) gcc options: -IX11 -IXrender

Phoronix Test Suite 7.0.0

JXRenderMark v1.0.1

Test: Transformed Blit Bilinear - Size: 32x32



OpenBenchmarking.org

Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit
SE +/- 391.88

92669.82

Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260

44426.43

SE +/- 404.55

SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection

47668.13

SE +/- 460.94

20000 40000 60000 80000 100000



1. (CC) gcc options: -IX11 -IXrender

Phoronix Test Suite 7.0.0

JXRenderMark v1.0.1

Test: Transformed Blit Linear - Size: 128x128



OpenBenchmarking.org

Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit
SE +/- 218.70

57054.55

Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260

28102.60

SE +/- 496.08

SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection

29204.39

SE +/- 735.72

12000 24000 36000 48000 60000



1. (CC) gcc options: -IX11 -IXrender

Phoronix Test Suite 7.0.0

JXRenderMark v1.0.1

Test: Transformed Texture Paint - Size: 32x32



OpenBenchmarking.org



SE +/- 452.04

SE +/- 716.21

SE +/- 476.89

20000 40000 60000 80000 100000

Phoronix Test Suite 7.0.0



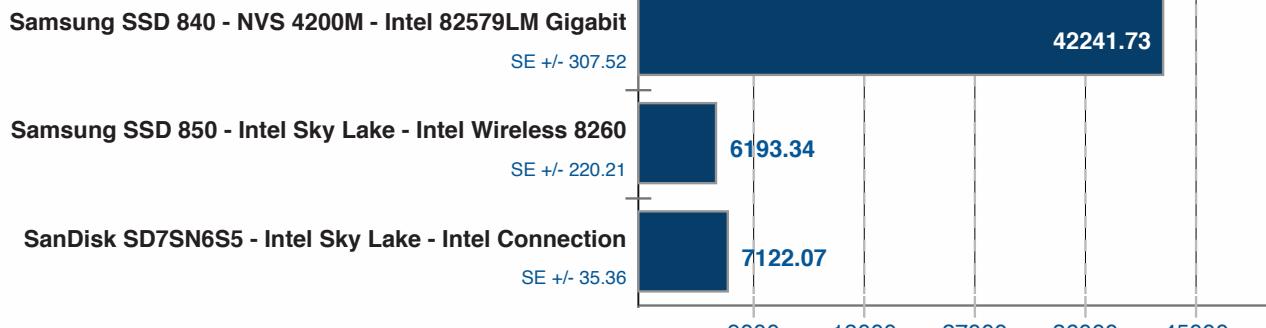
1. (CC) gcc options: -Ix11 -Ixrender

JXRenderMark v1.0.1

Test: Transformed Blit Bilinear - Size: 128x128



OpenBenchmarking.org



SE +/- 307.52

SE +/- 220.21

SE +/- 35.36

9000 18000 27000 36000 45000

Phoronix Test Suite 7.0.0



1. (CC) gcc options: -Ix11 -Ixrender

JXRenderMark v1.0.1

Test: Transformed Texture Paint - Size: 128x128



Operations Per Second, More Is Better

OpenBenchmarking.org

Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit
SE +/- 464.87 36091.39

Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260
SE +/- 60.11 7163.55

SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection
SE +/- 186.73 7767.31

8000 16000 24000 32000 40000



1. (CC) gcc options: -IX11 -IXrender

Phoronix Test Suite 7.0.0

Render Bench

Phoronix Test Suite v6.2.2



Seconds, Less Is Better

OpenBenchmarking.org

Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit
SE +/- 0.01 19.32

Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260
SE +/- 0.15 22.83

SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection
SE +/- 0.20 21.81

5 10 15 20 25



1. (CC) gcc options: -lm -IX11 -IXext -IXrender -lImlib2

Phoronix Test Suite 7.0.0

Enemy Territory v2.60

Resolution: 1024 x 768



Frames Per Second, More Is Better

OpenBenchmarking.org

Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit
SE +/- 0.30 80.47

Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260
SE +/- 0.48 108.37

SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection
SE +/- 1.65 118.27

30 60 90 120 150



Phoronix Test Suite 7.0.0

ETXreal v0.3.0-20111110

Resolution: 1024 x 768



OpenBenchmarking.org



SE +/- 0.10

SE +/- 6.53

50 100 150 200 250

Phoronix Test Suite 7.0.0

OpenArena v0.8.8

Resolution: 1024 x 768



OpenBenchmarking.org



SE +/- 6.88

SE +/- 3.06

20 40 60 80 100

Phoronix Test Suite 7.0.0

OpenArena v0.8.8

Resolution: 1024 x 768 - Total Frame Time



OpenBenchmarking.org



Min: 7 / Avg: 12.08 / Max: 39

Min: 8 / Avg: 19.88 / Max: 48

10 20 30 40 50

Phoronix Test Suite 7.0.0

SuperTuxKart v0.9

Resolution: 1024 x 768



OpenBenchmarking.org

Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit

SE +/- 0.37

10.71

Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260

SE +/- 0.11

25.14

SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection

SE +/- 0.23

35.51

8 16 24 32 40



Phoronix Test Suite 7.0.0

Tesseract v2014-05-12

Resolution: 1024 x 768



OpenBenchmarking.org

Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit

SE +/- 0.16

44.15

Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260

SE +/- 0.39

47.45

SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection

SE +/- 0.61

60.59

14 28 42 56 70



Phoronix Test Suite 7.0.0

Unigine Heaven v4.0

Resolution: 1024 x 768 - Mode: Fullscreen



OpenBenchmarking.org

Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit

SE +/- 0.08

6.81

Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260

SE +/- 0.01

11.42

SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection

SE +/- 0.02

14.54

4 8 12 16 20



Phoronix Test Suite 7.0.0

Unigine Sanctuary v2.3

Resolution: 1024 x 768 - Mode: Fullscreen



OpenBenchmarking.org

Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit

27.39

SE +/- 0.00

Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260

95.97

SE +/- 0.06

SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection

145.58

SE +/- 1.03

30 60 90 120 150



Phoronix Test Suite 7.0.0

Unigine Tropics v1.3

Resolution: 1024 x 768 - Mode: Fullscreen



OpenBenchmarking.org

Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit

22.82

SE +/- 0.00

Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260

49.63

SE +/- 0.54

SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection

60.79

SE +/- 1.04

14 28 42 56 70



Phoronix Test Suite 7.0.0

Unigine Valley v1.0

Resolution: 1024 x 768 - Mode: Fullscreen



OpenBenchmarking.org

Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit

8.83

SE +/- 0.00

Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260

8.97

SE +/- 0.02

SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection

11.22

SE +/- 0.03

3 6 9 12 15



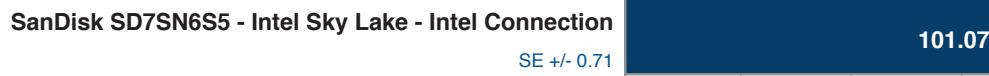
Phoronix Test Suite 7.0.0

Urban Terror v4.2.013

Resolution: 1024 x 768



OpenBenchmarking.org



30 60 90 120 150

Phoronix Test Suite 7.0.0

Urban Terror v4.2.013

Resolution: 1024 x 768 - Total Frame Time



OpenBenchmarking.org



Min: 3 / Avg: 10.8 / Max: 27



7 14 21 28 35

Phoronix Test Suite 7.0.0

Warsow v1.51

Resolution: 1024 x 768



OpenBenchmarking.org



SE +/- 0.15



SE +/- 0.15



SE +/- 0.27

16 32 48 64 80

Phoronix Test Suite 7.0.0

Xonotic v0.8

Resolution: 1024 x 768 - Effects Quality: Low



OpenBenchmarking.org



30 60 90 120 150

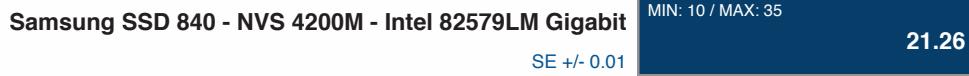
Phoronix Test Suite 7.0.0

Xonotic v0.8

Resolution: 1024 x 768 - Effects Quality: Ultimate



OpenBenchmarking.org



7 14 21 28 35

Phoronix Test Suite 7.0.0

GLmark2 v276

Resolution: 1024 x 768



OpenBenchmarking.org



200 400 600 800 1000

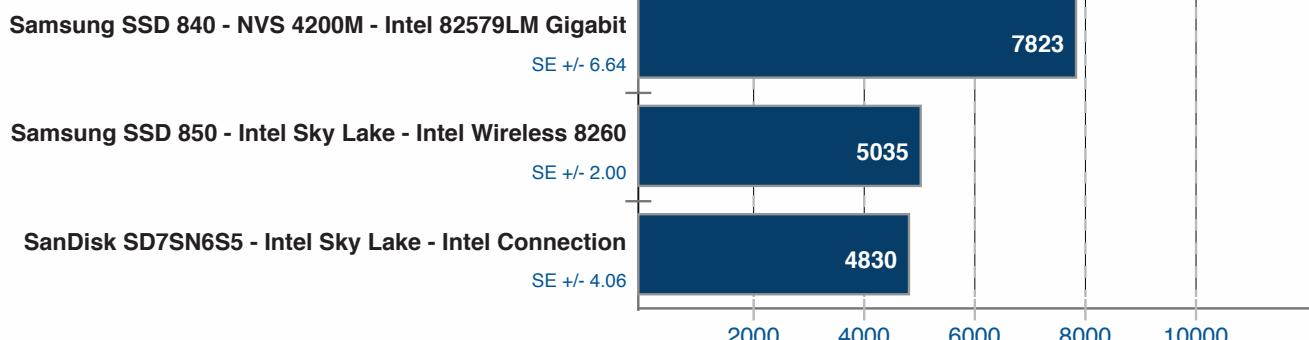
Phoronix Test Suite 7.0.0

GpuTest v0.7.0

Test: Plot3D - Resolution: 1024 x 768 - Mode: Fullscreen



OpenBenchmarking.org



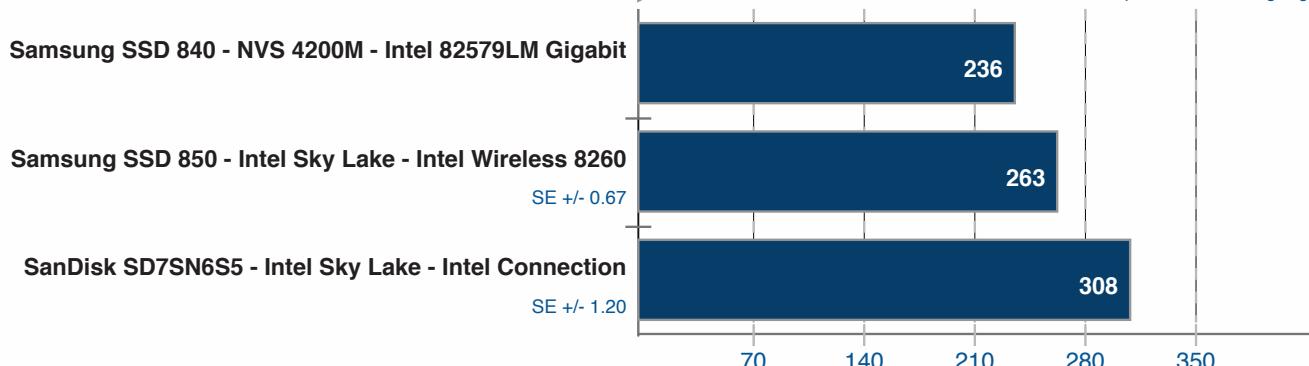
Phoronix Test Suite 7.0.0

GpuTest v0.7.0

Test: Furmark - Resolution: 1024 x 768 - Mode: Fullscreen



OpenBenchmarking.org



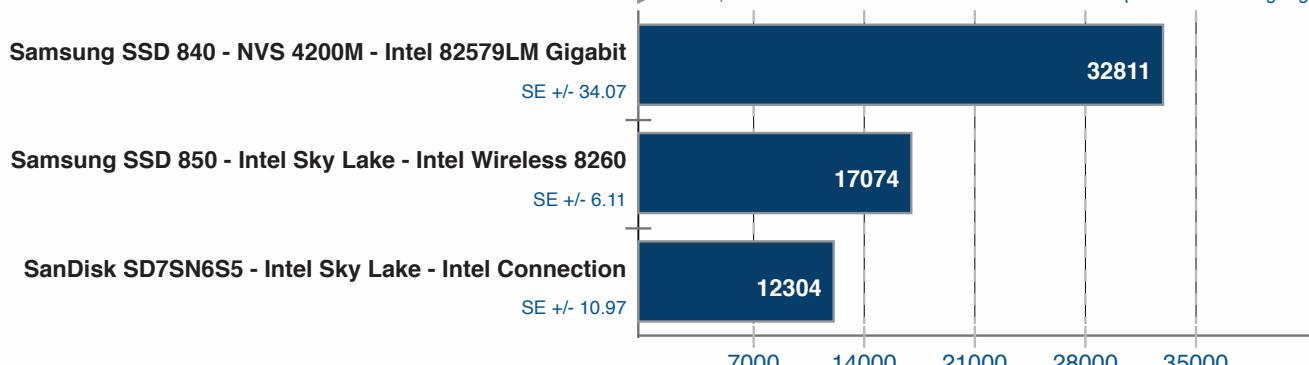
Phoronix Test Suite 7.0.0

GpuTest v0.7.0

Test: Triangle - Resolution: 1024 x 768 - Mode: Fullscreen



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

GpuTest v0.7.0

Test: Pixmark Piano - Resolution: 1024 x 768 - Mode: Fullscreen



OpenBenchmarking.org

Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit

43

Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260

121

SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection

72

30 60 90 120 150



Phoronix Test Suite 7.0.0

GpuTest v0.7.0

Test: Pixmark Volplosion - Resolution: 1024 x 768 - Mode: Fullscreen



OpenBenchmarking.org

Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit

124

SE +/- 0.33

Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260

340

SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection

195

70 140 210 280 350



Phoronix Test Suite 7.0.0

GtkPerf v0.40

GTK Widget: GtkComboBox



OpenBenchmarking.org

Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit

12.67

SE +/- 0.10

Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260

15.18

SE +/- 0.08

SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection

15.21

SE +/- 0.12

4 8 12 16 20



Phoronix Test Suite 7.0.0

1. (CC) gcc options: -lgtk-x11-2.0 -latk-1.0 -gio-2.0 -lpangoft2-1.0 -lfontconfig -lgdk-x11-2.0 -lpangocairo-1.0 -lpango-1.0 -cairo -lgdk_pixbuf-2.0 -lgbobject-2.0 -lplib-2.0

GtkPerf v0.40

GTK Widget: GtkCheckButton



OpenBenchmarking.org

Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit

SE +/- 0.02

2.12

Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260

SE +/- 0.05

1.78

SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection

SE +/- 0.03

1.52

AMD Opteron Workstation

SE +/- 0.01

3.06

0.6885 1.377 2.0655 2.754 3.4425



Phoronix Test Suite 7.0.0

1. (CC) gcc options: -lgtk-x11-2.0 -latk-1.0 -gio-2.0 -lpangoft2-1.0 -fontconfig -lgdk-x11-2.0 -lpangocairo-1.0 -pango-1.0
-cairo -gdk_pixbuf-2.0 -gobject-2.0 -glib-2.0

GtkPerf v0.40

GTK Widget: GtkRadioButton



OpenBenchmarking.org

Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit

SE +/- 0.02

3.10

Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260

SE +/- 0.09

3.25

SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection

SE +/- 0.02

2.69

AMD Opteron Workstation

SE +/- 0.01

5.91

1.3298 2.6596 3.9894 5.3192 6.649



Phoronix Test Suite 7.0.0

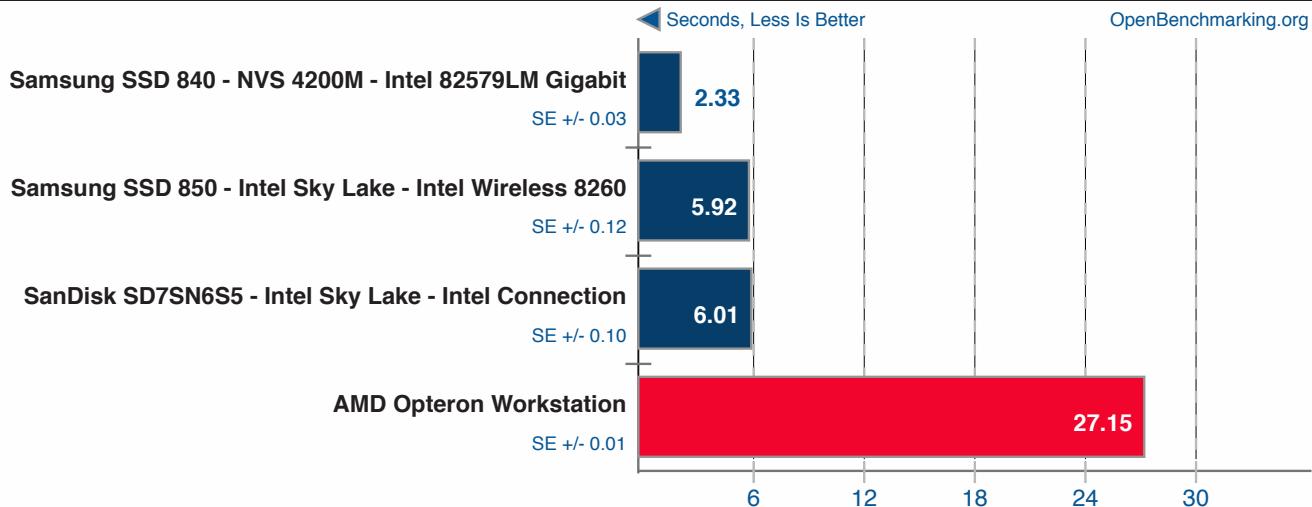
1. (CC) gcc options: -lgtk-x11-2.0 -latk-1.0 -gio-2.0 -lpangoft2-1.0 -fontconfig -lgdk-x11-2.0 -lpangocairo-1.0 -pango-1.0
-cairo -gdk_pixbuf-2.0 -gobject-2.0 -glib-2.0

GtkPerf v0.40

GTK Widget: GtkToggleButton



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

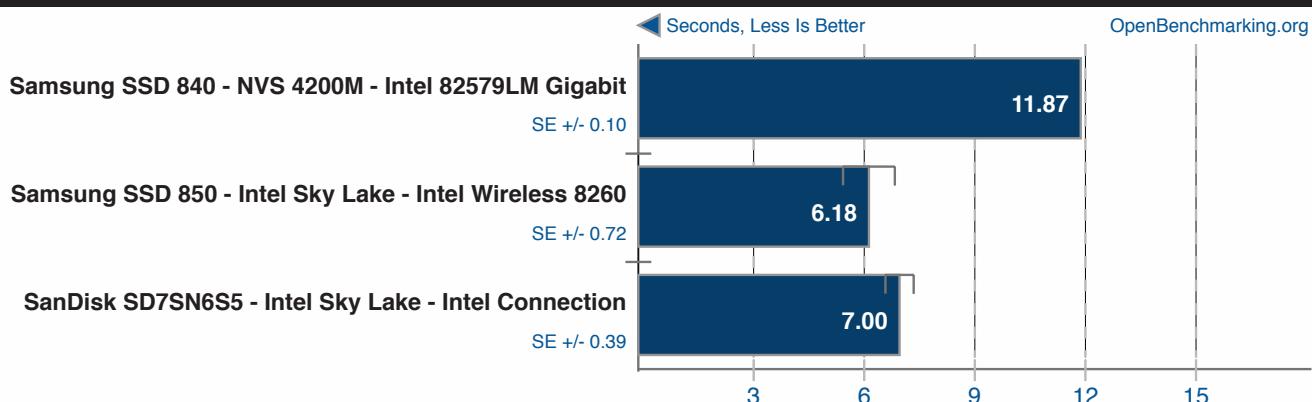
1. (CC) gcc options: -lgtk-x11-2.0 -latk-1.0 -gio-2.0 -lpangoft2-1.0 -fontconfig -lgdk-x11-2.0 -lpangocairo-1.0 -pango-1.0
-cairo -gdk_pixbuf-2.0 -gobject-2.0 -glib-2.0

GtkPerf v0.40

GTK Widget: GtkComboBoxEntry



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

1. (CC) gcc options: -lgtk-x11-2.0 -latk-1.0 -gio-2.0 -lpangoft2-1.0 -fontconfig -lgdk-x11-2.0 -lpangocairo-1.0 -pango-1.0
-cairo -gdk_pixbuf-2.0 -gobject-2.0 -glib-2.0

GtkPerf v0.40

GTK Widget: GtkTextView - Scroll



OpenBenchmarking.org

Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit

SE +/- 0.01

0.05

Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260

0.03

SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection

0.04

0.0113 0.0226 0.0339 0.0452 0.0565

Phoronix Test Suite 7.0.0



1. (CC) gcc options: -lgtk-x11-2.0 -latk-1.0 -lgio-2.0 -lpangoft2-1.0 -fontconfig -lgdk-x11-2.0 -lpangocairo-1.0 -pango-1.0 -cairo -lgdk_pixbuf-2.0 -lgobject-2.0 -glib-2.0

GtkPerf v0.40

GTK Widget: GtkTextView - Add Text



OpenBenchmarking.org

Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit

SE +/- 0.62

263.69

Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260

SE +/- 0.83

332.38

SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection

SE +/- 1.00

310.21

70 140 210 280 350

Phoronix Test Suite 7.0.0



1. (CC) gcc options: -lgtk-x11-2.0 -latk-1.0 -lgio-2.0 -lpangoft2-1.0 -fontconfig -lgdk-x11-2.0 -lpangocairo-1.0 -pango-1.0 -cairo -lgdk_pixbuf-2.0 -lgobject-2.0 -glib-2.0

GtkPerf v0.40

GTK Widget: GtkDrawingArea - Circles



OpenBenchmarking.org

Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit

SE +/- 0.02

13.16

Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260

SE +/- 0.11

25.46

SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection

SE +/- 0.16

23.21

6 12 18 24 30



Phoronix Test Suite 7.0.0

1. (CC) gcc options: -lgtk-x11-2.0 -latk-1.0 -lgio-2.0 -lpangoft2-1.0 -fontconfig -lgdk-x11-2.0 -lpangocairo-1.0 -pango-1.0
-cairo -lgdk_pixbuf-2.0 -gobject-2.0 -glib-2.0

GtkPerf v0.40

GTK Widget: GtkDrawingArea - Pixbufs



OpenBenchmarking.org

Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit

SE +/- 0.02

1.31

Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260

SE +/- 0.02

1.37

SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection

SE +/- 0.02

1.48

0.333 0.666 0.999 1.332 1.665



Phoronix Test Suite 7.0.0

1. (CC) gcc options: -lgtk-x11-2.0 -latk-1.0 -lgio-2.0 -lpangoft2-1.0 -fontconfig -lgdk-x11-2.0 -lpangocairo-1.0 -pango-1.0
-cairo -lgdk_pixbuf-2.0 -gobject-2.0 -glib-2.0

SPECViewPerf 10.1

Resolution: 1024 x 768 - SPECViewPerf Test: proe-04



OpenBenchmarking.org

Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit
SE +/- 0.00 16.18

Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260
SE +/- 0.00 5.69

SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection
SE +/- 0.03 6.30

4 8 12 16 20



Phoronix Test Suite 7.0.0

1. (CC) gcc options: -O3 -lm -lX11 -lXext -laux -lGL -IGLU -lpthread

SPECViewPerf 10.1

Resolution: 1024 x 768 - SPECViewPerf Test: ugnx-01



OpenBenchmarking.org

Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit
SE +/- 0.00 1.35

Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260
SE +/- 0.07 8.98

SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection
SE +/- 0.03 10.60

3 6 9 12 15



Phoronix Test Suite 7.0.0

1. (CC) gcc options: -O3 -lm -lX11 -lXext -laux -lGL -IGLU -lpthread

SPECViewPerf 10.1

Resolution: 1024 x 768 - SPECViewPerf Test: catia-02



OpenBenchmarking.org

Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit

SE +/- 0.01

11.77

Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260

SE +/- 0.01

6.21

SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection

SE +/- 0.01

6.92

3 6 9 12 15



Phoronix Test Suite 7.0.0

SPECViewPerf 10.1

Resolution: 1024 x 768 - SPECViewPerf Test: tcvis-01



OpenBenchmarking.org

Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit

SE +/- 0.00

1.98

Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260

SE +/- 0.01

2.87

SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection

SE +/- 0.02

3.15

0.7088 1.4176 2.1264 2.8352 3.544



Phoronix Test Suite 7.0.0

1. (CC) gcc options: -O3 -lm -lX11 -lXext -laux -lGL -lGLU -lpthread

SPECViewPerf 10.1

Resolution: 1024 x 768 - SPECViewPerf Test: ensight-03



► Weighted Geometric Mean, More Is Better

OpenBenchmarking.org

Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit

SE +/- 0.04

15.06

Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260

SE +/- 0.04

15.65

SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection

19.67

5 10 15 20 25



Phoronix Test Suite 7.0.0

1. (CC) gcc options: -O3 -lm -lX11 -lXext -laux -IGL -IGLU -lpthread

SPECViewPerf 9

SPECViewPerf Test: 3dsmax-04



► Weighted Geometric Mean, More Is Better

OpenBenchmarking.org

Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit

SE +/- 0.05

20.25

Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260

SE +/- 0.02

12.83

SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection

SE +/- 0.03

14.87

5 10 15 20 25



Phoronix Test Suite 7.0.0

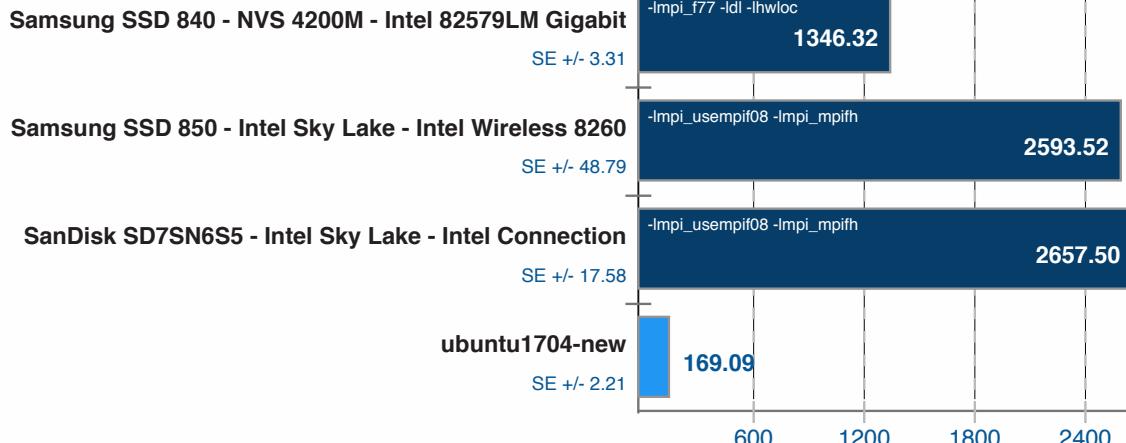
1. (CC) gcc options: -lm

NAS Parallel Benchmarks v3.3

Test / Class: BT.A



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

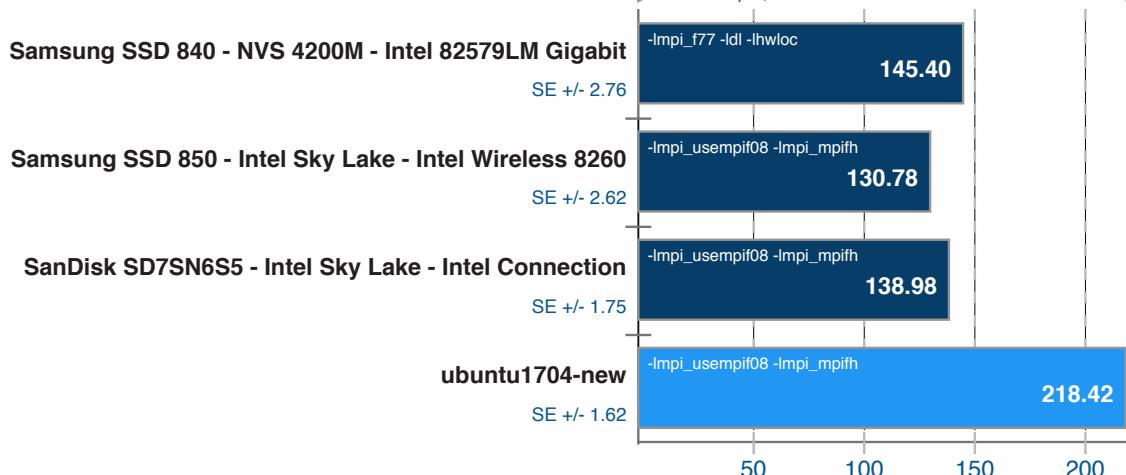
1. (F9X) gfortran options: -O3 -march=native -pthread -lmpi
2. Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit: Open MPI 1.6.5
3. Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260: Open MPI 1.10.2
4. SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection: Open MPI 1.10.2

NAS Parallel Benchmarks v3.3

Test / Class: EP.C



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

1. (F9X) gfortran options: -O3 -march=native -pthread -lmpi
2. Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit: Open MPI 1.6.5
3. Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260: Open MPI 1.10.2
4. SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection: Open MPI 1.10.2

NAS Parallel Benchmarks v3.3

Test / Class: F.T.A



OpenBenchmarking.org

Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit
SE +/- 4.54

► Total Mop/s, More Is Better

2954.14

Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260
SE +/- 37.82

2468.46

SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection
SE +/- 10.19

3643.08

ubuntu1704-new
SE +/- 11.92

1455.37

800 1600 2400 3200 4000

Phoronix Test Suite 7.0.0



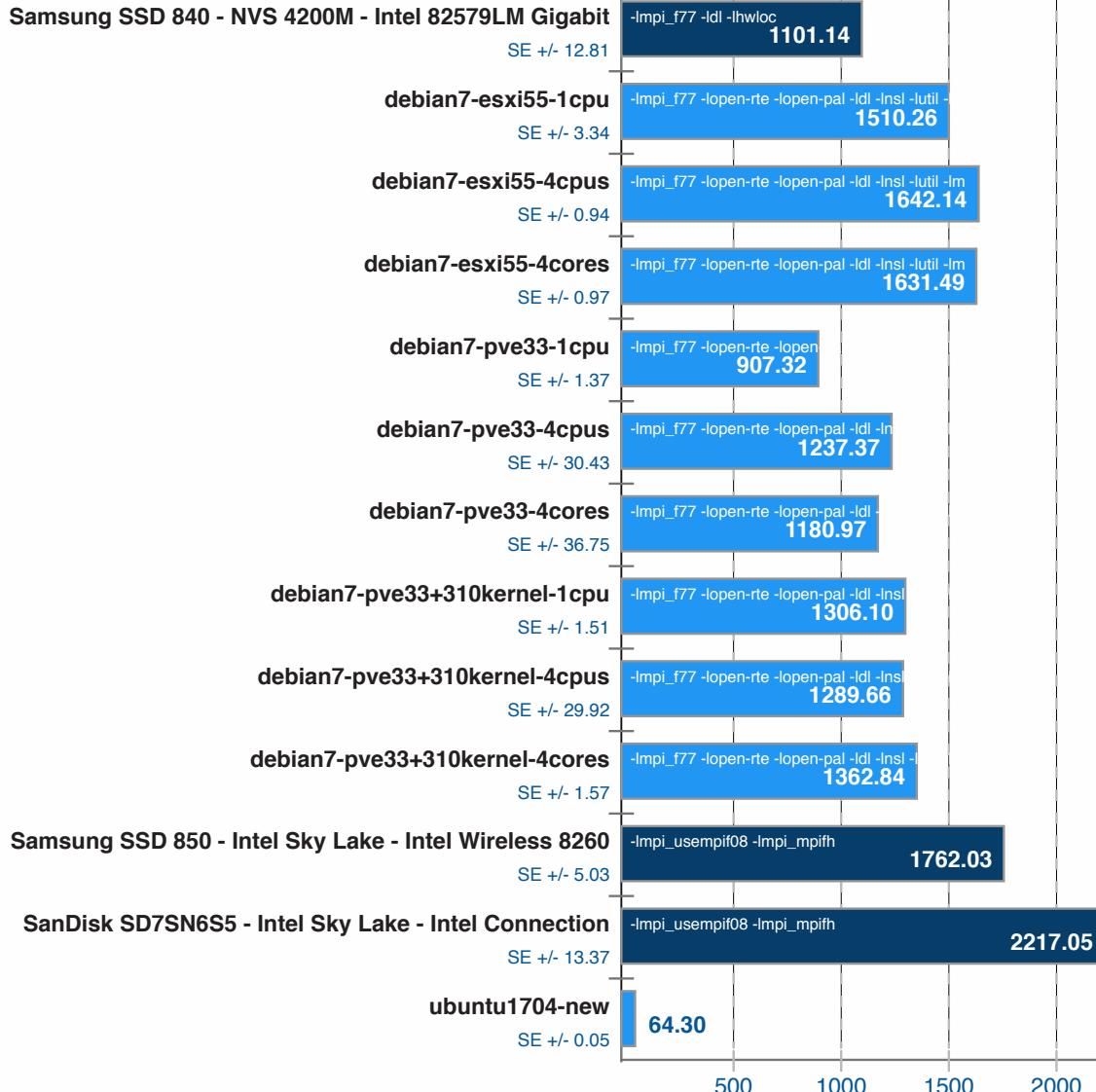
1. (F9X) gfortran options: -O3 -march=native -pthread -lmpi
2. Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit: Open MPI 1.6.5
3. Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260: Open MPI 1.10.2
4. SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection: Open MPI 1.10.2

NAS Parallel Benchmarks v3.3

Test / Class: SP.A



OpenBenchmarking.org



Phoronix Test Suite 7.0.0

1. (F9X) gfortran options: -O3 -march=native -pthread -lmpi
2. Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit: Open MPI 1.6.5
3. Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260: Open MPI 1.10.2
4. SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection: Open MPI 1.10.2

Parboil v2.5

Test: OpenMP LBM



OpenBenchmarking.org

Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit

SE +/- 0.58

379.79

Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260

SE +/- 8.56

699.75

SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection

SE +/- 1.42

643.80

150 300 450 600 750



Phoronix Test Suite 7.0.0

Parboil v2.5

Test: OpenMP CUTCP



OpenBenchmarking.org

Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit

SE +/- 0.78

28.31

Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260

SE +/- 0.06

48.73

SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection

SE +/- 0.10

45.23

11 22 33 44 55



Phoronix Test Suite 7.0.0

1. (CXX) g++ options: -lm -lpthread -lgomp -ffast-math -fopenmp

Parboil v2.5

Test: OpenMP Stencil



OpenBenchmarking.org

Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit

SE +/- 0.42

64.94

Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260

SE +/- 0.33

96.75

SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection

SE +/- 0.99

73.31

20 40 60 80 100



Phoronix Test Suite 7.0.0

1. (CXX) g++ options: -lm -lpthread -lgomp -ffast-math -fopenmp

Parboil v2.5

Test: OpenMP MRI Gridding



OpenBenchmarking.org

Samsung SSD 840 - NVS 4200M - Intel 82579LM Gigabit

SE +/- 1.02

54.08

Samsung SSD 850 - Intel Sky Lake - Intel Wireless 8260

SE +/- 0.22

28.31

SanDisk SD7SN6S5 - Intel Sky Lake - Intel Connection

SE +/- 0.53

26.27

12 24 36 48 60



Phoronix Test Suite 7.0.0

1. (CXX) g++ options: -lm -lpthread -lgomp -ffast-math -fopenmp