

SPEC® CPU2017 Floating Point Rate Result

Copyright 2017 Standard Performance Evaluation Corporation

My Corporation

SPECrate2017_fp_base = 1.48

SPECrate2017_fp_peak = Not Run

CPU2017 License: nnn (Your SPEC license number)

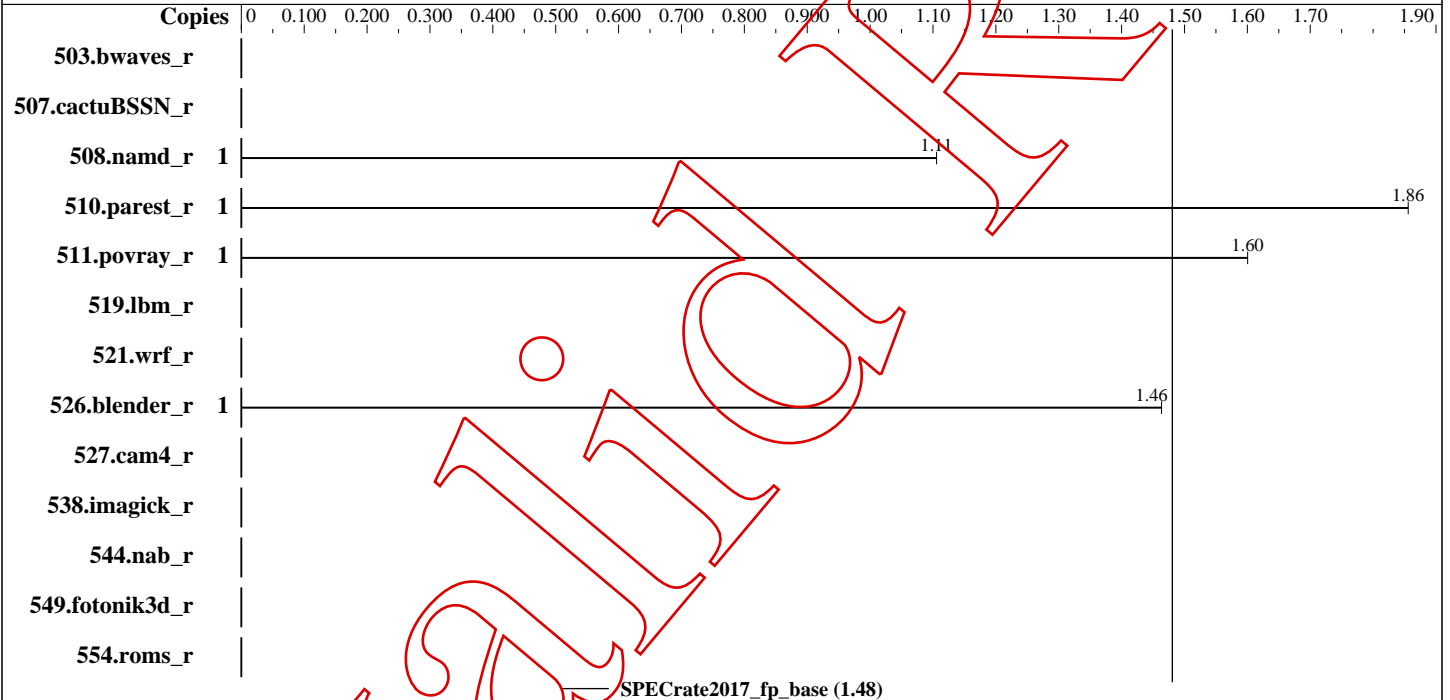
Test Sponsor: My Corporation

Tested by: My Corporation

Test Date: Dec-2017

Hardware Availability:

Software Availability:



Hardware

CPU Name: Intel Core (Broadwell)
Max MHz.:
Nominal:
Enabled: cores, 2 chips, threads/core
Orderable:
Cache L1:
L2:
L3:
Other:
Memory: 3.368 GB fixme: If using DDR3, format is:
'N GB (M x N GB nRxn PCn-nnnnnR-n, ECC)'
Storage: 30 GB add more disk info here
Other:

Software

OS: Scientific Linux CERN SLC release 6.9 (Carbon)
3.10.0-514.10.2.el7.x86_64
Compiler: C/C++/Fortran: Version 6.2.0 of GCC, the
GNU Compiler Collection
Parallel: No
Firmware:
File System: ext4
System State: Run level N (add definition here)
Base Pointers: 64-bit
Peak Pointers: Not Applicable
Other:

Errors

'reportable' flag not set during run
521.wrf_r (base) did not have enough runs!
554.roms_r (base) did not have enough runs!
503.bwaves_r (base) did not have enough runs!
508.namd_r (base) did not have enough runs!
510.parest_r (base) did not have enough runs!
519.lbm_r (base) did not have enough runs!

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Errors (Continued)

507.cactuBSSN_r (base) did not have enough runs!

538.imagick_r (base) did not have enough runs!

526.blender_r (base) did not have enough runs!

549.fotonik3d_r (base) did not have enough runs!

527.cam4_r (base) did not have enough runs!

511.povray_r (base) did not have enough runs!

544.nab_r (base) did not have enough runs!

Results Table

Benchmark	Base						Peak					
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio
503.bwaves_r												
507.cactuBSSN_r												
508.namd_r	1	859	1.11									
510.parest_r	1	1410	1.86									
511.povray_r	1	1459	1.60									
519.lbm_r												
521.wrf_r												
526.blender_r	1	1041	1.46									
527.cam4_r												
538.imagick_r												
544.nab_r												
549.fotonik3d_r												
554.roms_r												

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Results appear in the order in which they were run. Bold underlined text indicates a median measurement.

General Notes

Environment variables set by runcpu before the start of the run:

LD_LIBRARY_PATH = "/usr/lib64/:/usr/lib/:/lib64"

Platform Notes

Sysinfo program /spec2017/bin/sysinfo

Rev: r5797 of 2017-06-14 96c45e4568ad54c135fd618bcc091c0f

running on 4bdabd3c3191 Wed Dec 20 15:54:25 2017

SUT (System Under Test) info as seen by some common utilities.

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Platform Notes (Continued)

For more information on this section, see
<https://www.spec.org/cpu2017/Docs/config.html#sysinfo>

From /proc/cpuinfo

model name : Intel Core Processor (Broadwell)

2 "physical id"s (chips)

2 "processors"

cores, siblings (Caution: counting these is hw and system dependent. The following excerpts from /proc/cpuinfo might not be reliable. Use with caution.)

cpu cores : 1

siblings : 1

physical 0: cores 0

physical 1: cores 0

From lscpu:

Architecture: x86_64

CPU op-mode(s): 32-bit, 64-bit

Byte Order: Little Endian

CPU(s): 2

On-line CPU(s) list: 0,1

Thread(s) per core: 1

Core(s) per socket: 1

Socket(s): 2

NUMA node(s): 1

Vendor ID: GenuineIntel

CPU family: 6

Model: 61

Model name: Intel Core Processor (Broadwell)

Stepping: 2

CPU MHz: 2194.916

BogoMIPS: 4389.83

Virtualization: VT-x

Hypervisor vendor: KVM

Virtualization type: full

L1d cache: 32K

L1i cache: 32K

L2 cache: 4096K

NUMA node0 CPU(s): 0,1

/proc/cpuinfo cache data

cache size : 4096 KB

From numactl --hardware WARNING: a numactl 'node' might or might not correspond to a physical chip.

From /proc/meminfo

MemTotal: 3531712 kB

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Platform Notes (Continued)

HugePages_Total: 0
Hugepagesize: 2048 kB

/usr/bin/lsb_release -d
Scientific Linux CERN SLC release 6.9 (Carbon)

From /etc/*release* /etc/*version*
redhat-release: Scientific Linux CERN SLC release 6.9 (Carbon)
system-release: Scientific Linux CERN SLC release 6.9 (Carbon)
system-release-cpe: cpe:/o:redhat:enterprise_linux:6.9:ga

uname -a:
Linux 4bdabd3c3191 3.10.0-514.10.2.el7.x86_64 #1 SMP Fri Mar 3 00:04:05 UTC 2017
x86_64 x86_64 x86_64 GNU/Linux

SPEC is set to: /spec2017
Filesystem Type Size Used Avail Use% Mounted on
/dev/vdb ext4 30G 28G 463M 99% /spec2017

(End of data from sysinfo program)

Compiler Version Notes

=====
CXXC 508.namd_r(base) 510.parest_r(base)
=====

Using built-in specs.
Target: x86_64-redhat-linux
Configured with: ../configure --prefix=/usr --mandir=/usr/share/man
--infodir=/usr/share/info --with-bugurl=http://bugzilla.redhat.com/bugzilla
--enable-bootstrap --enable-shared --enable-threads=posix
--enable-checking=release --with-system-zlib --enable-_cxa_atexit
--disable-libunwind-exceptions --enable-gnu-unique-object
--enable-languages=c,c++,objc,obj-c++,java,fortran,ada
--enable-java-awt=gtk --disable-dssi
--with-java-home=/usr/lib/jvm/java-1.5.0-gcj-1.5.0.0/jre
--enable-libgcj-multifile --enable-java-maintainer-mode
--with-ecj-jar=/usr/share/java/eclipse-ecj.jar --disable-libjava-multilib
--with-ppl --with-cloog --with-tune=generic --with-arch_32=i686
--build=x86_64-redhat-linux

Thread model: posix
gcc version 4.4.7 20120313 (Red Hat 4.4.7-18) (GCC)
=====

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Compiler Version Notes (Continued)

CC 511.povray_r(base) 526.blender_r(base)

Using built-in specs.

Target: x86_64-redhat-linux

Configured with: ../configure --prefix=/usr --mandir=/usr/share/man
--infodir=/usr/share/info --with-bugurl=http://bugzilla.redhat.com/bugzilla
--enable-bootstrap --enable-shared --enable-threads=posix
--enable-checking=release --with-system-zlib --enable-__cxa_atexit
--disable-libunwind-exceptions --enable-gnu-unique-object
--enable-languages=c,c++,objc,obj-c++,java,fortran,ada
--enable-java-awt=gtk --disable-dssi
--with-java-home=/usr/lib/jvm/java-1.5.0-gcj-1.5.0.0/jre
--enable-libgcj-multifile --enable-java-maintainer-mode
--with-ecj-jar=/usr/share/java/eclipse-ecj.jar --disable-libjava-multilib
--with-ppl --with-cloog --with-tune=generic --with-arch_32=i686
--build=x86_64-redhat-linux

Thread model: posix

gcc version 4.4.7 20120313 (Red Hat 4.4.7-18) (GCC)

Using built-in specs.

Target: x86_64-redhat-linux

Configured with: ../configure --prefix=/usr --mandir=/usr/share/man
--infodir=/usr/share/info --with-bugurl=http://bugzilla.redhat.com/bugzilla
--enable-bootstrap --enable-shared --enable-threads=posix
--enable-checking=release --with-system-zlib --enable-__cxa_atexit
--disable-libunwind-exceptions --enable-gnu-unique-object
--enable-languages=c,c++,objc,obj-c++,java,fortran,ada
--enable-java-awt=gtk --disable-dssi
--with-java-home=/usr/lib/jvm/java-1.5.0-gcj-1.5.0.0/jre
--enable-libgcj-multifile --enable-java-maintainer-mode
--with-ecj-jar=/usr/share/java/eclipse-ecj.jar --disable-libjava-multilib
--with-ppl --with-cloog --with-tune=generic --with-arch_32=i686
--build=x86_64-redhat-linux

Thread model: posix

gcc version 4.4.7 20120313 (Red Hat 4.4.7-18) (GCC)

Base Compiler Invocation

C++ benchmarks:

g++

Benchmarks using both C and C++:

g++ gcc

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Base Portability Flags

508.namd_r: -DSPEC_LP64
510.parest_r: -DSPEC_LP64
511.povray_r: -DSPEC_LP64
526.blender_r: -funsigned-char -DSPEC_LINUX -DSPEC_LP64

Base Optimization Flags

C++ benchmarks:

-m64 -g -O3

Benchmarks using both C and C++:

-m64 -std=c99 -g -O3

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For questions about this result, please contact the tester. For other inquiries, please contact info@spec.org.

Tested with SPEC CPU2017 v1.0.2 on 2017-12-20 15:54:24+0100.

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