

SPEC[®] CFP2006 Result

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google
n1-standard-2-d

SPECfp[®]_rate2006 = Not Run

SPECfp_rate_base2006 = 39.1

CPU2006 license: 4093

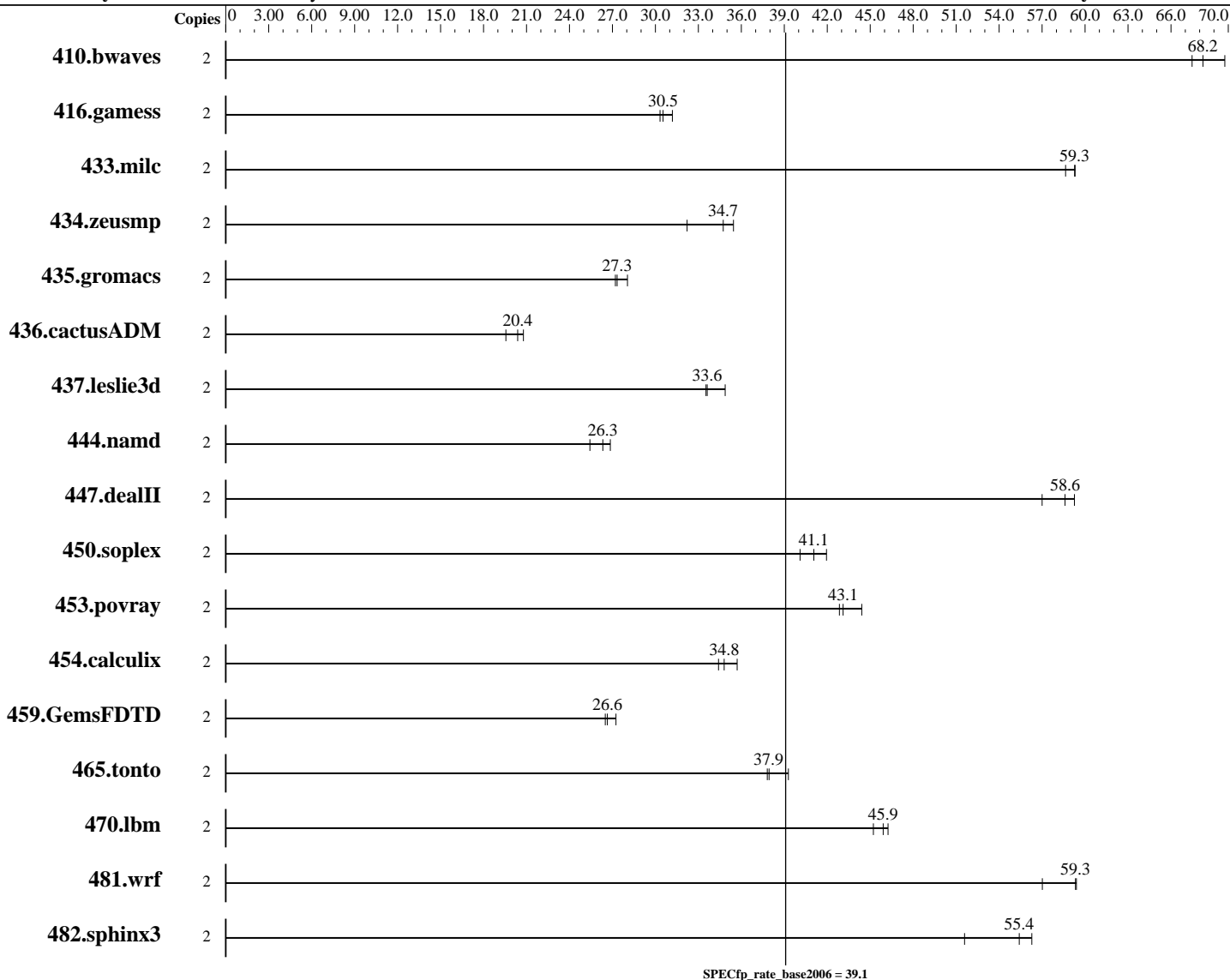
Test sponsor: google

Tested by: CloudHarmony Inc

Test date: May-2013

Hardware Availability: --

Software Availability: --



Hardware

CPU Name: Intel Xeon
 CPU Characteristics: Intel Xeon 2.60GHz
 CPU MHz: 2599.996
 FPU: --
 CPU(s) enabled: 2 cores, 1 chip, 1 core/chip
 CPU(s) orderable: --
 Primary Cache: --
 Secondary Cache: 20480 KB

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Software

Operating System: CentOS release 6.4 (Final)
 3.3.8-gcg-201303011431
 Compiler: Intel C++ Compiler for Linux version 12.1.5
 Intel Parallel Studio XE 2011 SP1 Update 3
 Intel Fortran Compiler for Linux version 12.1.5
 Intel Parallel Studio XE 2011 SP1 Update 3
 Auto Parallel: No
 File System: ext4
 System State: Run level 3 (add definition here)

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L3 Cache: --
Other Cache: --
Memory: 7.361 GB fixme: If using DDR3, format is:
'N GB (M x N GB nRxn PCn-nnnnnR-n, ECC)'
Disk Subsystem: 870 GB add more disk info here
Other Hardware: --

Base Pointers: --
Peak Pointers: Not Applicable
Other Software: --

Results Table

| Benchmark | Base | | | | | | | | Peak | | | | | | | |
|---------------|--------|------------|-------------|------------|-------------|-------------|-------------|--------|---------|-------|---------|-------|---------|-------|--|--|
| | Copies | Seconds | Ratio | Seconds | Ratio | Seconds | Ratio | Copies | Seconds | Ratio | Seconds | Ratio | Seconds | Ratio | | |
| 410.bwaves | 2 | 398 | 68.2 | 390 | 69.8 | 403 | 67.5 | | | | | | | | | |
| 416.gamess | 2 | 1291 | 30.3 | 1256 | 31.2 | 1283 | 30.5 | | | | | | | | | |
| 433.milc | 2 | 310 | 59.3 | 310 | 59.3 | 313 | 58.6 | | | | | | | | | |
| 434.zeusmp | 2 | 524 | 34.7 | 513 | 35.5 | 565 | 32.2 | | | | | | | | | |
| 435.gromacs | 2 | 523 | 27.3 | 509 | 28.0 | 525 | 27.2 | | | | | | | | | |
| 436.cactusADM | 2 | 1222 | 19.6 | 1150 | 20.8 | 1173 | 20.4 | | | | | | | | | |
| 437.leslie3d | 2 | 559 | 33.6 | 539 | 34.9 | 561 | 33.5 | | | | | | | | | |
| 444.namd | 2 | 631 | 25.4 | 597 | 26.9 | 609 | 26.3 | | | | | | | | | |
| 447.dealII | 2 | 401 | 57.0 | 386 | 59.3 | 390 | 58.6 | | | | | | | | | |
| 450.soplex | 2 | 416 | 40.1 | 398 | 41.9 | 406 | 41.1 | | | | | | | | | |
| 453.povray | 2 | 247 | 43.1 | 240 | 44.4 | 248 | 42.8 | | | | | | | | | |
| 454.calculix | 2 | 462 | 35.7 | 474 | 34.8 | 480 | 34.4 | | | | | | | | | |
| 459.GemsFDTD | 2 | 779 | 27.2 | 796 | 26.6 | 801 | 26.5 | | | | | | | | | |
| 465.tonto | 2 | 501 | 39.3 | 520 | 37.8 | 519 | 37.9 | | | | | | | | | |
| 470.lbm | 2 | 594 | 46.2 | 599 | 45.9 | 608 | 45.2 | | | | | | | | | |
| 481.wrf | 2 | 376 | 59.4 | 377 | 59.3 | 392 | 57.0 | | | | | | | | | |
| 482.sphinx3 | 2 | 693 | 56.3 | 704 | 55.4 | 756 | 51.6 | | | | | | | | | |

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

Submit Notes

The config file option 'submit' was used.

Platform Notes

Sysinfo program /opt/cpu2006/Docs/sysinfo
\$Rev: 6775 \$ \$Date:: 2011-08-16 #\$ 8787f7622badcf24e01c368b1db4377c
running on gce-test-n1-standard-2 Mon May 13 15:52:38 2013

This section contains SUT (System Under Test) info as seen by some common utilities. To remove or add to this section, see:
<http://www.spec.org/cpu2006/Docs/config.html#sysinfo>

From /proc/cpuinfo

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Platform Notes (Continued)

model name : Intel(R) Xeon(R) CPU @ 2.60GHz

1 "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 : 2

siblings : 2

physical 0: cores 0 1

cache size : 20480 KB

From /proc/meminfo

MemTotal: 7718820 kB

From /etc/*release* /etc/*version*

centos-release: CentOS release 6.4 (Final)

redhat-release: CentOS release 6.4 (Final)

system-release: CentOS release 6.4 (Final)

system-release-cpe: cpe:/o:centos:linux:6:GA

uname -a:

Linux gce-test-n1-standard-2 3.3.8-gcg-201303011431 #1 SMP Fri Mar 1 14:34:57

PST 2013 x86_64 x86_64 x86_64 GNU/Linux

run-level 3 May 13 05:36

SPEC is set to: /opt/cpu2006

| Filesystem | Type | Size | Used | Avail | Use% | Mounted on |
|------------|------|------|------|-------|------|------------|
| /dev/sdb1 | ext4 | 870G | 20G | 807G | 3% | /opt |

(End of data from sysinfo program)

General Notes

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

LD_LIBRARY_PATH = "/opt/cpu2006/libs/32:/opt/cpu2006/libs/64"

Base Compiler Invocation

C benchmarks:

icc -m32

C++ benchmarks:

icpc -m32

Fortran benchmarks:

ifort -m32

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info@spec.org

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Hardware Availability: --

Software Availability: --

Base Compiler Invocation (Continued)

Benchmarks using both Fortran and C:

```
icc -m32 ifort -m32
```

Base Portability Flags

```
435.gromacs: -nofor_main
436.cactusADM: -nofor_main
454.calculix: -nofor_main
481.wrf: -DSPEC_CPU_CASE_FLAG -DSPEC_CPU_LINUX
```

Base Optimization Flags

C benchmarks:

```
-xSSE4.2 -ipo -O3 -no-prec-div -static -opt-prefetch -auto-p32
-ansi-alias
```

C++ benchmarks:

```
-xSSE4.2 -ipo -O3 -no-prec-div -static -opt-prefetch -auto-p32
```

Fortran benchmarks:

```
-xSSE4.2 -ipo -O3 -no-prec-div -static -opt-prefetch
```

Benchmarks using both Fortran and C:

```
-xSSE4.2 -ipo -O3 -no-prec-div -static -opt-prefetch -auto-p32
-ansi-alias
```

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

Tested with SPEC CPU2006 v1.2.
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