

SPEC[®] CFP2006 Result

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google
n1-standard-2-d

SPECfp[®]_rate2006 = Not Run

SPECfp_rate_base2006 = 39.1

CPU2006 license: 4093

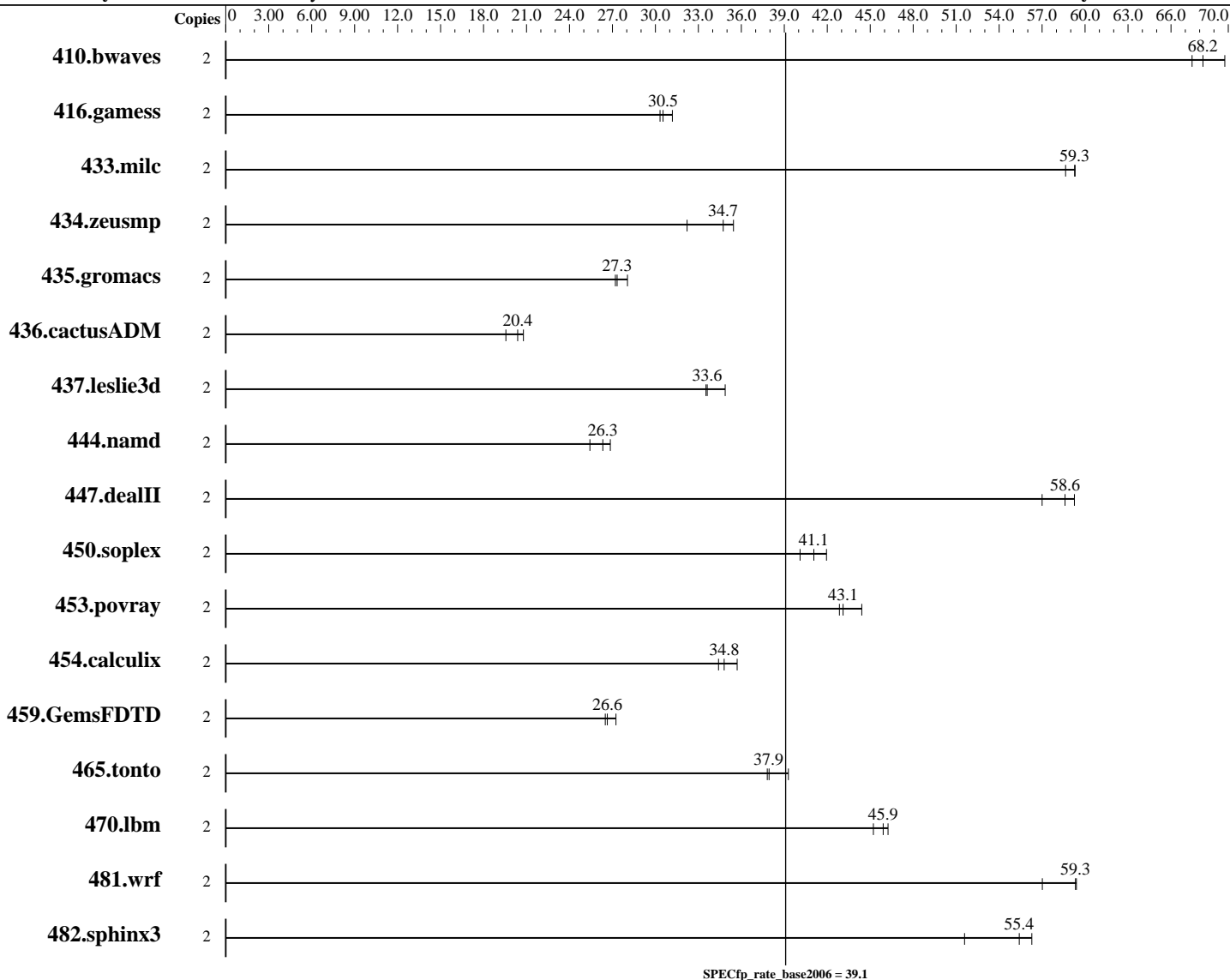
Test sponsor: google

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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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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