

# SPEC<sup>®</sup> CFP2006 Result

Copyright 2006-2013 Standard Performance Evaluation Corporation

hp  
medium

SPECfp<sup>®</sup>\_rate2006 = Not Run

SPECfp\_rate\_base2006 = 44.1

CPU2006 license: 4093

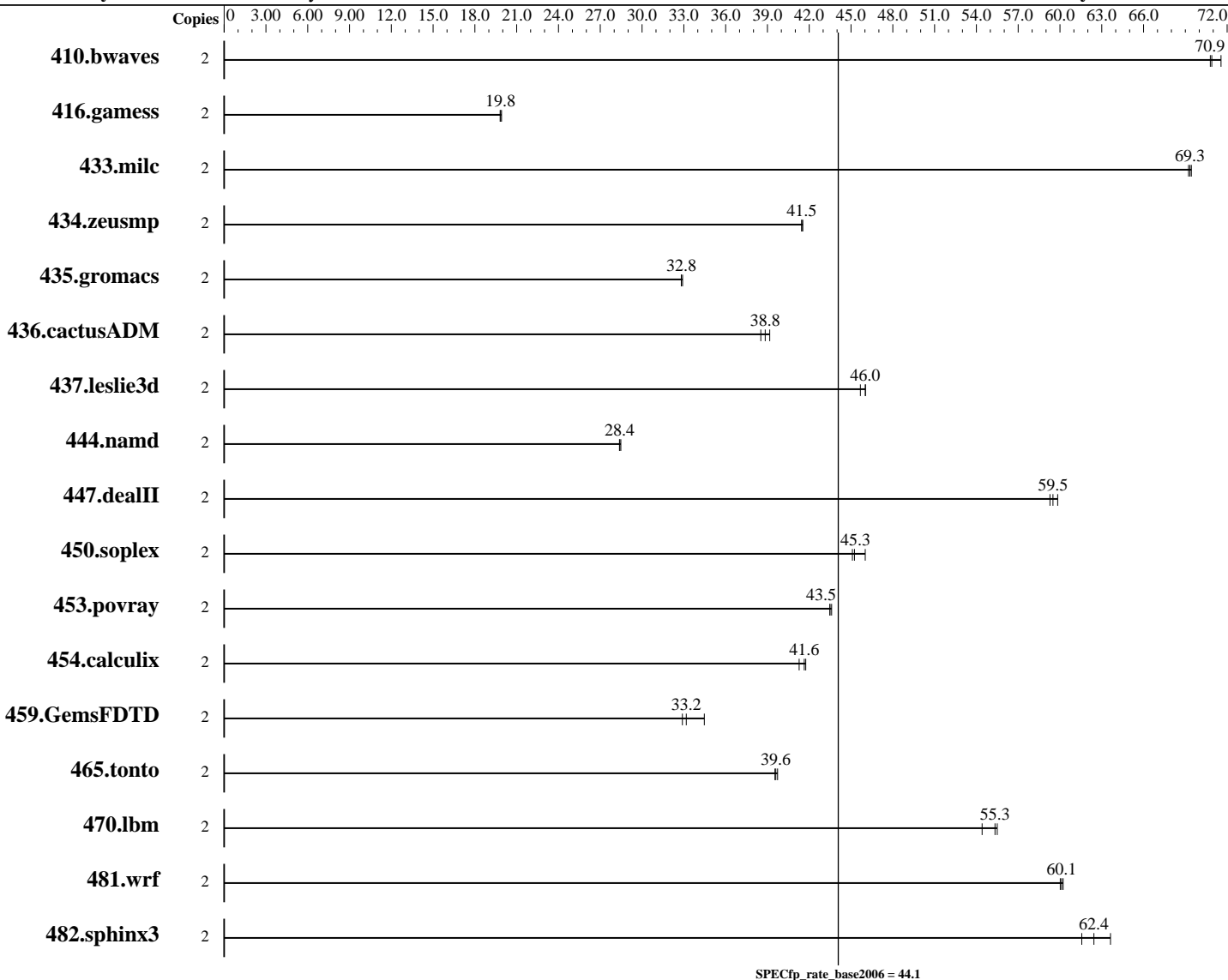
Test sponsor: hp

Tested by: CloudHarmony Inc

Test date: May-2013

Hardware Availability: --

Software Availability: --



## Hardware

CPU Name: Intel Core2 Duo T7700  
 CPU Characteristics: Intel Core(TM)2 Duo T7700 2.40GHz  
 CPU MHz: 2666.76  
 FPU: --  
 CPU(s) enabled: 2 cores, could not determine chips, 1 core/chip  
 CPU(s) orderable: --  
 Primary Cache: --  
 Secondary Cache: 4096 KB

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## Software

Operating System: CentOS release 6.4 (Final)  
 2.6.32-358.6.1.el6.x86\_64  
 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: 3.741 GB fixme: If using DDR3, format is:  
'N GB (M x N GB nRxn PCn-nnnnnR-n, ECC)'  
Disk Subsystem: 109 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	380	71.6	<b>383</b>	<b>70.9</b>	384	70.8							
416.gamess	2	1967	19.9	<b>1973</b>	<b>19.8</b>	1977	19.8							
433.milc	2	265	69.2	264	69.4	<b>265</b>	<b>69.3</b>							
434.zeusmp	2	438	41.5	439	41.5	<b>439</b>	<b>41.5</b>							
435.gromacs	2	<b>435</b>	<b>32.8</b>	434	32.9	435	32.8							
436.cactusADM	2	<b>615</b>	<b>38.8</b>	610	39.2	620	38.5							
437.leslie3d	2	<b>408</b>	<b>46.0</b>	408	46.0	412	45.7							
444.namd	2	<b>565</b>	<b>28.4</b>	563	28.5	565	28.4							
447.dealII	2	382	59.8	<b>385</b>	<b>59.5</b>	386	59.3							
450.soplex	2	362	46.0	<b>369</b>	<b>45.3</b>	370	45.1							
453.povray	2	244	43.6	245	43.5	<b>245</b>	<b>43.5</b>							
454.calculix	2	<b>396</b>	<b>41.6</b>	400	41.3	395	41.8							
459.GemsFDTD	2	616	34.5	<b>640</b>	<b>33.2</b>	645	32.9							
465.tonto	2	495	39.7	<b>497</b>	<b>39.6</b>	498	39.5							
470.lbm	2	<b>497</b>	<b>55.3</b>	505	54.4	495	55.5							
481.wrf	2	372	60.0	371	60.2	<b>372</b>	<b>60.1</b>							
482.sphinx3	2	613	63.6	<b>624</b>	<b>62.4</b>	633	61.6							

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 hp-test-medium Fri May 17 19:05:36 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) Core(TM)2 Duo CPU T7700 @ 2.40GHz
*
* 0 "physical id" tags found. Perhaps this is an older system,
* or a virtualized system. Not attempting to guess how to
* count chips/cores for this system.
*
  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.)
  cache size : 4096 KB

From /proc/meminfo
MemTotal:      3922920 kB
HugePages_Total:    0
Hugepagesize:   2048 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 hp-test-medium 2.6.32-358.6.1.el6.x86_64 #1 SMP Tue Apr 23 19:29:00 UTC
2013 x86_64 x86_64 x86_64 GNU/Linux

run-level 3 May 17 18:11

SPEC is set to: /opt/cpu2006
Filesystem      Type      Size  Used Avail Use% Mounted on
/dev/vdb        ext4     109G  4.7G   99G   5% /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

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## Base Compiler Invocation (Continued)

Fortran benchmarks:  
ifort -m32

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](mailto:webmaster@spec.org).

Tested with SPEC CPU2006 v1.2.  
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