

SPEC[®] CFP2006 Result

Copyright 2006-2013 Standard Performance Evaluation Corporation

hp
double-extra-large

SPECfp[®]_rate2006 = Not Run

SPECfp_rate_base2006 = 132

CPU2006 license: 4093

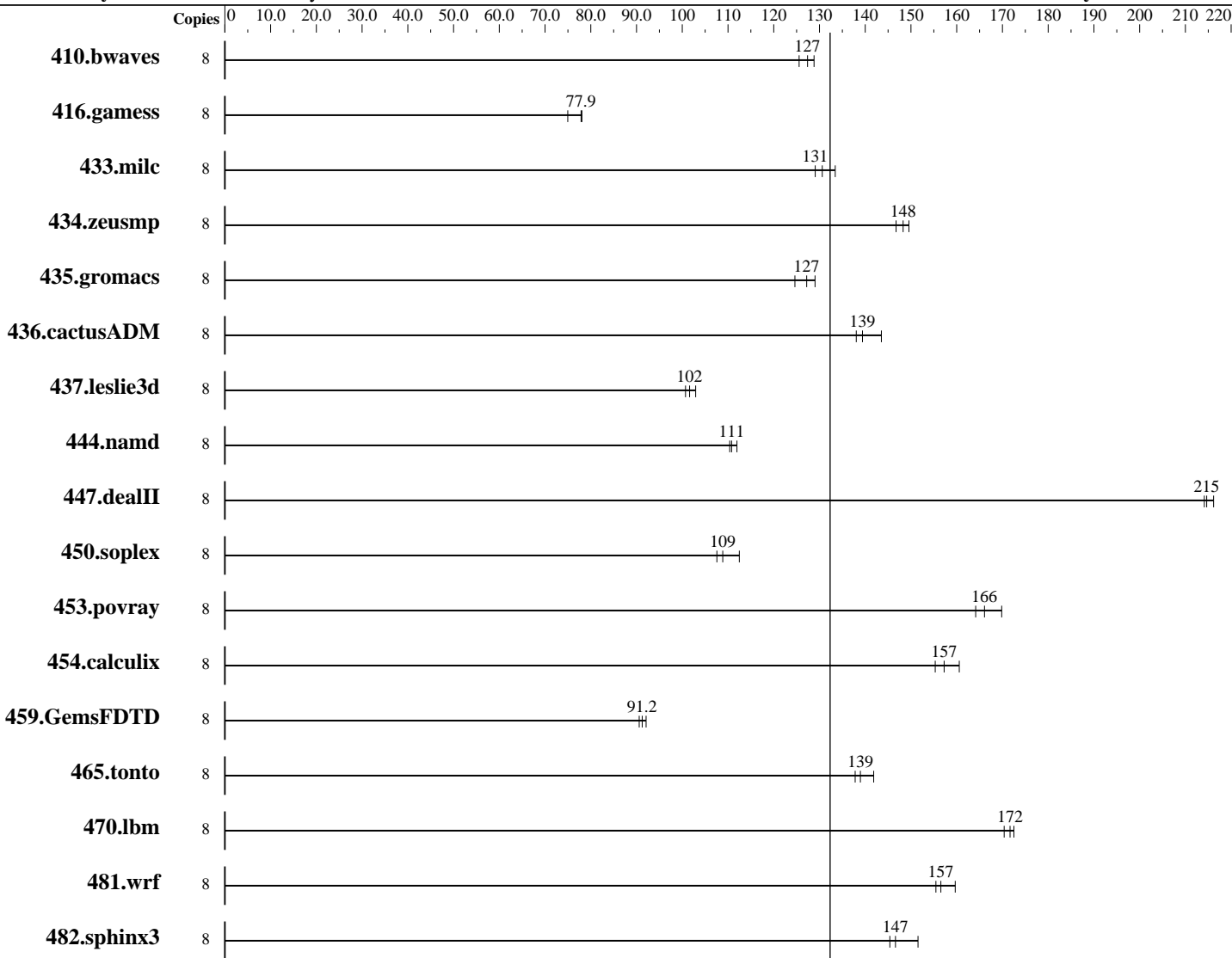
Test sponsor: hp

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: 8 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: 31.356 GB fixme: If using DDR3, format is:
'N GB (M x N GB nRxn PCn-nnnnnR-n, ECC)'
Disk Subsystem: 936 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	8	853	127	844	129	866	126							
416.gamess	8	2011	77.9	2007	78.1	2089	75.0							
433.milc	8	562	131	550	133	569	129							
434.zeusmp	8	491	148	487	150	496	147							
435.gromacs	8	443	129	449	127	458	125							
436.cactusADM	8	666	144	693	138	686	139							
437.leslie3d	8	731	103	747	101	740	102							
444.namd	8	573	112	579	111	581	110							
447.dealII	8	423	216	427	214	426	215							
450.soplex	8	593	112	613	109	620	108							
453.povray	8	251	170	259	164	256	166							
454.calculix	8	411	161	425	155	420	157							
459.GemsFDTD	8	922	92.1	930	91.2	937	90.6							
465.tonto	8	555	142	571	138	567	139							
470.lbm	8	637	173	645	170	640	172							
481.wrf	8	560	160	571	157	575	155							
482.sphinx3	8	1029	152	1072	145	1063	147							

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-2xlarge Thu May 16 14:23:08 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.
*
    8 "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:      32878716 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-2xlarge 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 16 13:55

SPEC is set to: /opt/cpu2006
Filesystem      Type      Size  Used Avail Use% Mounted on
/dev/vdb        ext4     936G  5.7G  882G   1% /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 other inquiries, please contact webmaster@spec.org.

Tested with SPEC CPU2006 v1.2.
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