SPEC® CFP2006 Result

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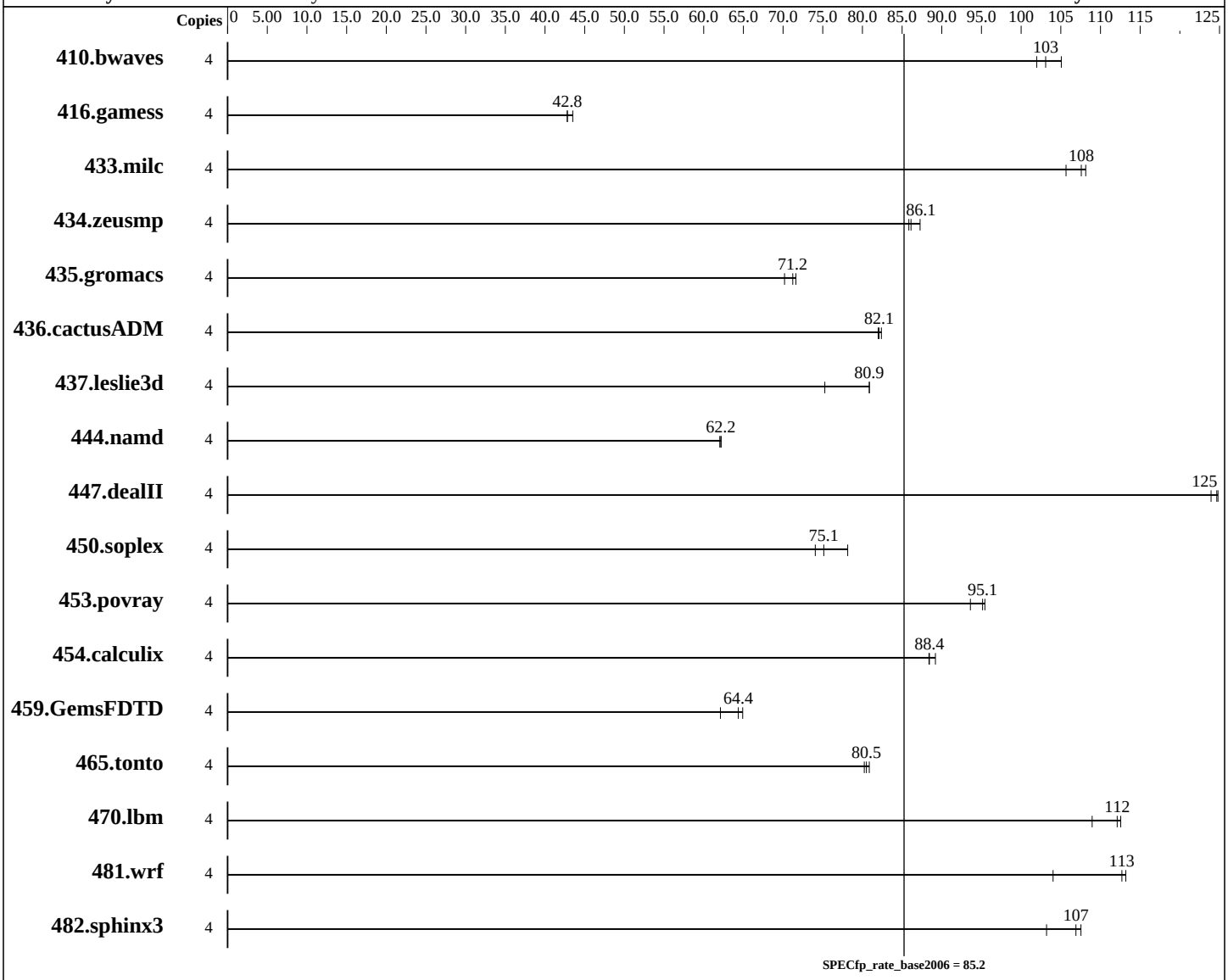
hp
extra-large

SPECfp®_rate2006 = Not Run

SPECfp_rate_base2006 = 85.2

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:	4 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: 15.576 GB fixme: If using DDR3, format is: 'N GB (M x N GB nRxn PCn-nnnnnR-n, ECC)'
Disk Subsystem: 463 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	4	533	102	**527**	**103**	517	105							
416.gamess	4	**1829**	**42.8**	1801	43.5	1830	42.8							
433.milc	4	348	106	340	108	**341**	**108**							
434.zeusmp	4	**423**	**86.1**	417	87.3	424	85.8							
435.gromacs	4	399	71.6	**401**	**71.2**	407	70.2							
436.cactusADM	4	580	82.4	**582**	**82.1**	583	82.0							
437.leslie3d	4	500	75.3	465	80.9	**465**	**80.9**							
444.namd	4	516	62.2	517	62.0	**516**	**62.2**							
447.dealII	4	369	124	367	125	**367**	**125**							
450.soplex	4	427	78.1	450	74.1	**444**	**75.1**							
453.povray	4	**224**	**95.1**	227	93.6	223	95.4							
454.calculix	4	370	89.2	373	88.4	**373**	**88.4**							
459.GemsFDTD	4	**659**	**64.4**	683	62.1	654	64.9							
465.tonto	4	**489**	**80.5**	487	80.9	491	80.2							
470.lbm	4	488	113	504	109	**490**	**112**							
481.wrf	4	395	113	430	104	**396**	**113**							
482.sphinx3	4	755	103	725	108	**729**	**107**							

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-xlarge Thu May 16 14:23:09 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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Hardware Availability: --
Software Availability: --

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.
*
      4 "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:       16332472 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-xlarge 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    463G  5.7G  434G   2% /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.

Tested with SPEC CPU2006 v1.2.
Report generated on Fri May 17 03:08:36 2013 by SPEC CPU2006 PS/PDF formatter v6401.