

# SPEC<sup>®</sup> CINT2006 Result

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hp  
extra-large

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

SPECint\_rate\_base2006 = 98.4

CPU2006 license: 4093

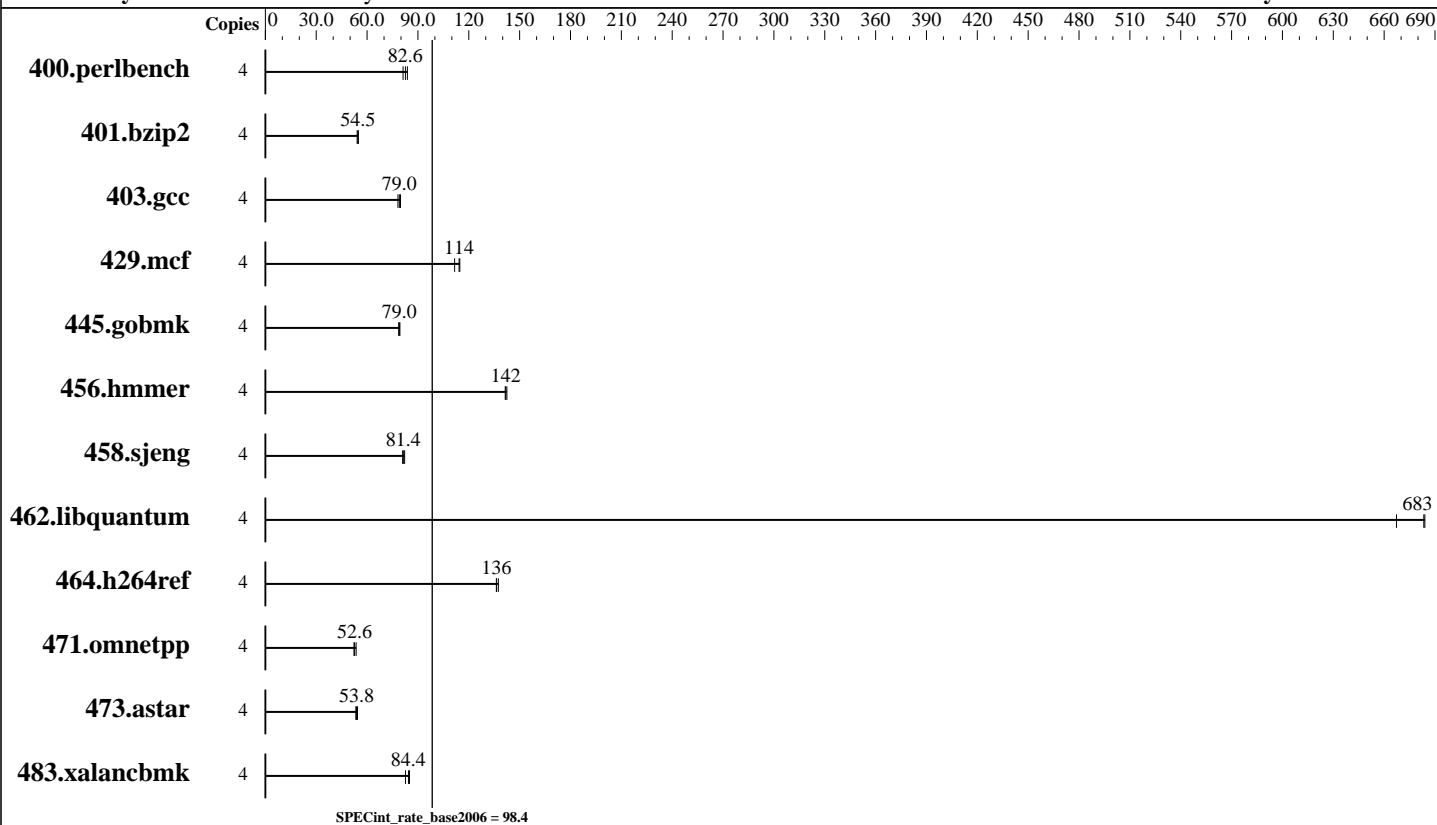
Test sponsor: hp

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  
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: --

## 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  
Auto Parallel: No  
File System: ext4  
System State: Run level 3 (add definition here)  
Base Pointers: --  
Peak Pointers: Not Applicable  
Other Software: --

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## Results Table

| Benchmark      | Base   |            |            |            |             |            |             | Peak   |         |       |         |       |         |       |
|----------------|--------|------------|------------|------------|-------------|------------|-------------|--------|---------|-------|---------|-------|---------|-------|
|                | Copies | Seconds    | Ratio      | Seconds    | Ratio       | Seconds    | Ratio       | Copies | Seconds | Ratio | Seconds | Ratio | Seconds | Ratio |
| 400.perlbench  | 4      | 466        | 83.8       | 481        | 81.2        | <b>473</b> | <b>82.6</b> |        |         |       |         |       |         |       |
| 401.bzip2      | 4      | 703        | 54.9       | 713        | 54.1        | <b>708</b> | <b>54.5</b> |        |         |       |         |       |         |       |
| 403.gcc        | 4      | 404        | 79.7       | 412        | 78.2        | <b>407</b> | <b>79.0</b> |        |         |       |         |       |         |       |
| 429.mcf        | 4      | 318        | 115        | 327        | 112         | <b>319</b> | <b>114</b>  |        |         |       |         |       |         |       |
| 445.gobmk      | 4      | 529        | 79.4       | <b>531</b> | <b>79.0</b> | 534        | 78.6        |        |         |       |         |       |         |       |
| 456.hammer     | 4      | <b>263</b> | <b>142</b> | 264        | 141         | 262        | 142         |        |         |       |         |       |         |       |
| 458.sjeng      | 4      | 589        | 82.2       | <b>595</b> | <b>81.4</b> | 598        | 81.0        |        |         |       |         |       |         |       |
| 462.libquantum | 4      | 121        | 684        | 124        | 667         | <b>121</b> | <b>683</b>  |        |         |       |         |       |         |       |
| 464.h264ref    | 4      | 644        | 137        | 650        | 136         | <b>649</b> | <b>136</b>  |        |         |       |         |       |         |       |
| 471.omnetpp    | 4      | 478        | 52.3       | <b>475</b> | <b>52.6</b> | 467        | 53.5        |        |         |       |         |       |         |       |
| 473.astar      | 4      | 517        | 54.3       | 526        | 53.4        | <b>522</b> | <b>53.8</b> |        |         |       |         |       |         |       |
| 483.xalancbmk  | 4      | 325        | 85.0       | 334        | 82.7        | <b>327</b> | <b>84.4</b> |        |         |       |         |       |         |       |

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
  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
```

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## Platform Notes (Continued)

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

## Base Portability Flags

400.perlbench: -DSPEC\_CPU\_LINUX\_IA32  
462.libquantum: -DSPEC\_CPU\_LINUX  
483.xalancbmk: -DSPEC\_CPU\_LINUX

## Base Optimization Flags

C benchmarks:  
-xSSE4.2 -ipo -O3 -no-prec-div -opt-prefetch

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## Base Optimization Flags (Continued)

C++ benchmarks:

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

## Base Other Flags

C benchmarks:

403.gcc: -Dalloca=\_alloca

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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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