# SPEC® CINT2006 Result



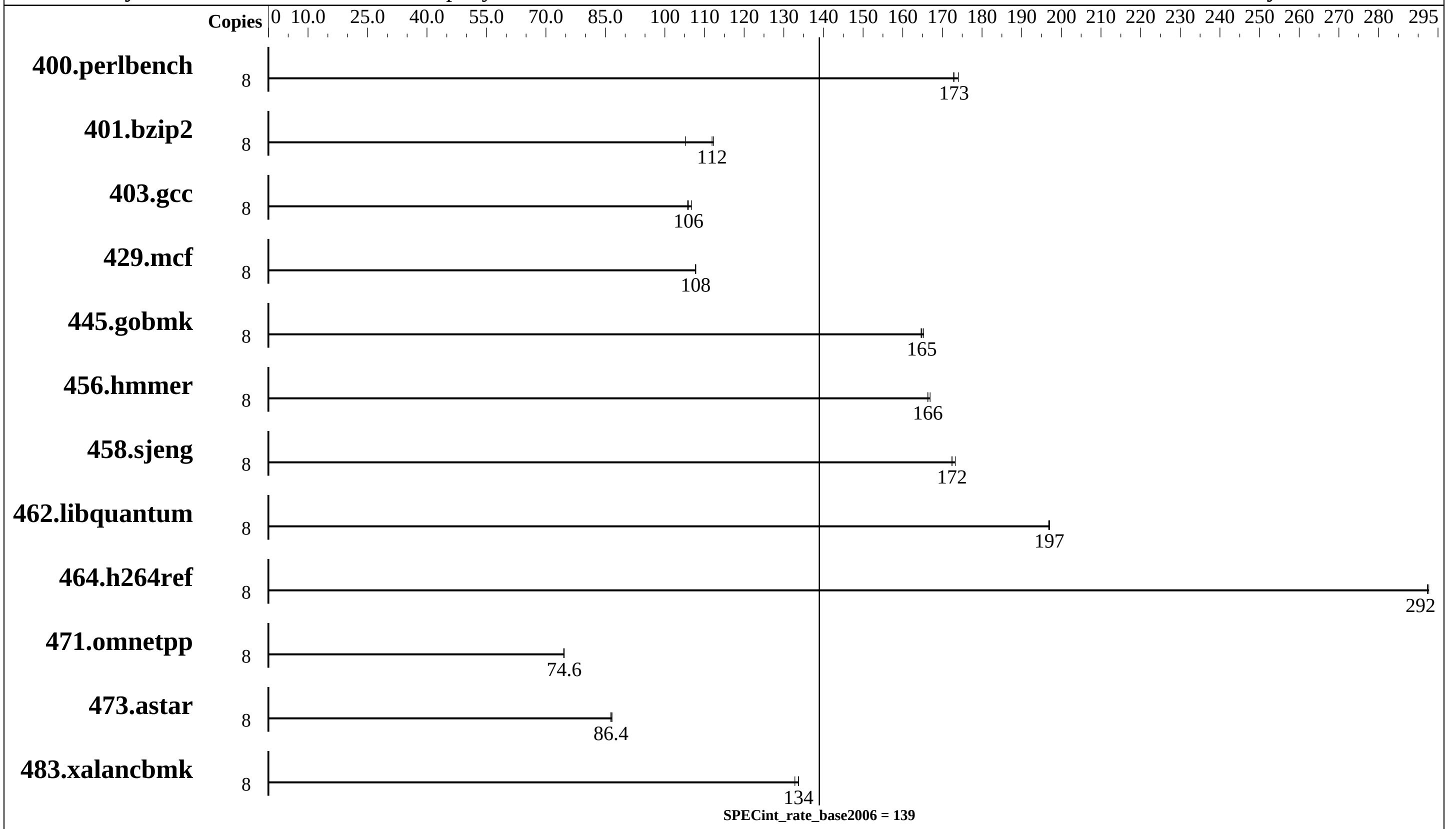
## Hewlett-Packard Company

ProLiant ML370 G5
(3.33 GHz, Intel Xeon X5470)

SPECint®_rate2006 = Not Run

SPECint_rate_base2006 = 139

| | | | |
|---|---|---|---|
| **CPU2006 license:** 3 | | **Test date:** | Sep-2008 |
| **Test sponsor:** | Hewlett-Packard Company | **Hardware Availability:** | Sep-2008 |
| **Tested by:** | Hewlett-Packard Company | **Software Availability:** | Nov-2008 |




### Hardware

| | |
|---|---|
| CPU Name: | Intel Xeon X5470 |
| CPU Characteristics: | 3.33 GHz, 2x6 MB L2 Shared, 1333 MHz system bus |
| CPU MHz: | 3333 |
| FPU: | Integrated |
| CPU(s) enabled: | 8 cores, 2 chips, 4 cores/chip |
| CPU(s) orderable: | 1,2 chips |
| Primary Cache: | 32 KB I + 32 KB D on chip per core |
| Secondary Cache: | 12 MB I+D on chip per chip, 6 MB shared / 2 cores |
| L3 Cache: | None |
| Other Cache: | None |
| Memory: | 16 GB (8x2 GB PC2-5300F CL5) |
| Disk Subsystem: | 1x72 GB 15 K SAS |
| Other Hardware: | None |

### Software

| | |
|---|---|
| Operating System: | SUSE Linux Enterprise Server 10 (x86_64) SP1, Kernel 2.6.16.46-0.12-smp |
| Compiler: | Intel C++ Compiler 11.0 for Linux Build 20080730 Package ID: l_cproc_b_11.0.042 |
| Auto Parallel: | No |
| File System: | ext3 |
| System State: | Run level 3 (multi-user) |
| Base Pointers: | 32-bit |
| Peak Pointers: | Not Applicable |
| Other Software: | MicroQuill SmartHeap Library 8.1<br>Binutils 2.18.50.0.7.20080502 |

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## Results Table

| | Base | | | | | | | Peak | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Benchmark** | **Copies** | **Seconds** | **Ratio** | **Seconds** | **Ratio** | **Seconds** | **Ratio** | **Copies** | **Seconds** | **Ratio** | **Seconds** | **Ratio** | **Seconds** | **Ratio** |
| 400.perlbench | 8 | **452** | **173** | 449 | 174 | 452 | 173 | | | | | | | |
| 401.bzip2 | 8 | 734 | 105 | **690** | **112** | 688 | 112 | | | | | | | |
| 403.gcc | 8 | 603 | 107 | **608** | **106** | 609 | 106 | | | | | | | |
| 429.mcf | 8 | 677 | 108 | 678 | 108 | **677** | **108** | | | | | | | |
| 445.gobmk | 8 | 508 | 165 | **509** | **165** | 510 | 165 | | | | | | | |
| 456.hmmer | 8 | 449 | 166 | **449** | **166** | 447 | 167 | | | | | | | |
| 458.sjeng | 8 | **561** | **172** | 561 | 172 | 559 | 173 | | | | | | | |
| 462.libquantum | 8 | 842 | 197 | **842** | **197** | 841 | 197 | | | | | | | |
| 464.h264ref | 8 | **606** | **292** | 605 | 293 | 606 | 292 | | | | | | | |
| 471.omnetpp | 8 | **670** | **74.6** | 671 | 74.5 | 670 | 74.6 | | | | | | | |
| 473.astar | 8 | 648 | 86.7 | **650** | **86.4** | 650 | 86.4 | | | | | | | |
| 483.xalancbmk | 8 | 413 | 134 | **413** | **134** | 416 | 133 | | | | | | | |

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.
 taskset was used to bind processes to cores
```

## Operating System Notes

```
'ulimit -s unlimited' was used to set the stacksize to unlimited prior to run
```

## Platform Notes

```
BIOS configuration:
Power Regulator set to Static High Performance Mode
Adjacent Sector Prefetch Disabled
Hardware Prefetch Disabled
```

# Base Compiler Invocation

C benchmarks:
`icc`

C++ benchmarks:
`icpc`

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# Base Portability Flags

400.perlbench: -DSPEC_CPU_LINUX_IA32
462.libquantum: -DSPEC_CPU_LINUX
483.xalancbmk: -DSPEC_CPU_LINUX

# Base Optimization Flags

C benchmarks:
-xSSE4.1 -ipo -O3 -no-prec-div -static -inline-calloc
-opt-malloc-options=3 -opt-prefetch

C++ benchmarks:
-xSSE4.1 -ipo -O3 -no-prec-div -opt-prefetch -Wl,-z,muldefs
-L/spec/cpu2006.1.1/lib -lsmartheap

# Base Other Flags

C benchmarks:

403.gcc: -Dalloca=_alloca

The flags files that were used to format this result can be browsed at
http://www.spec.org/cpu2006/flags/Intel-ic11.0-int-linux64-revD.html
http://www.spec.org/cpu2006/flags/HP-Intel-Linux-Settings-flags.20090713.html

You can also download the XML flags sources by saving the following links:
http://www.spec.org/cpu2006/flags/Intel-ic11.0-int-linux64-revD.xml
http://www.spec.org/cpu2006/flags/HP-Intel-Linux-Settings-flags.20090713.xml



For questions about this result, please contact the tester.
For other inquiries, please contact webmaster@spec.org.

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