



# SPEC® CINT2006 Result

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## Hewlett-Packard Company

## SPECint®\_rate2006 = Not Run

ProLiant DL140 G3  
(2.66 GHz, Intel Xeon processor X5355)

## SPECint\_rate\_base2006 = 82.2

CPU2006 license: 3

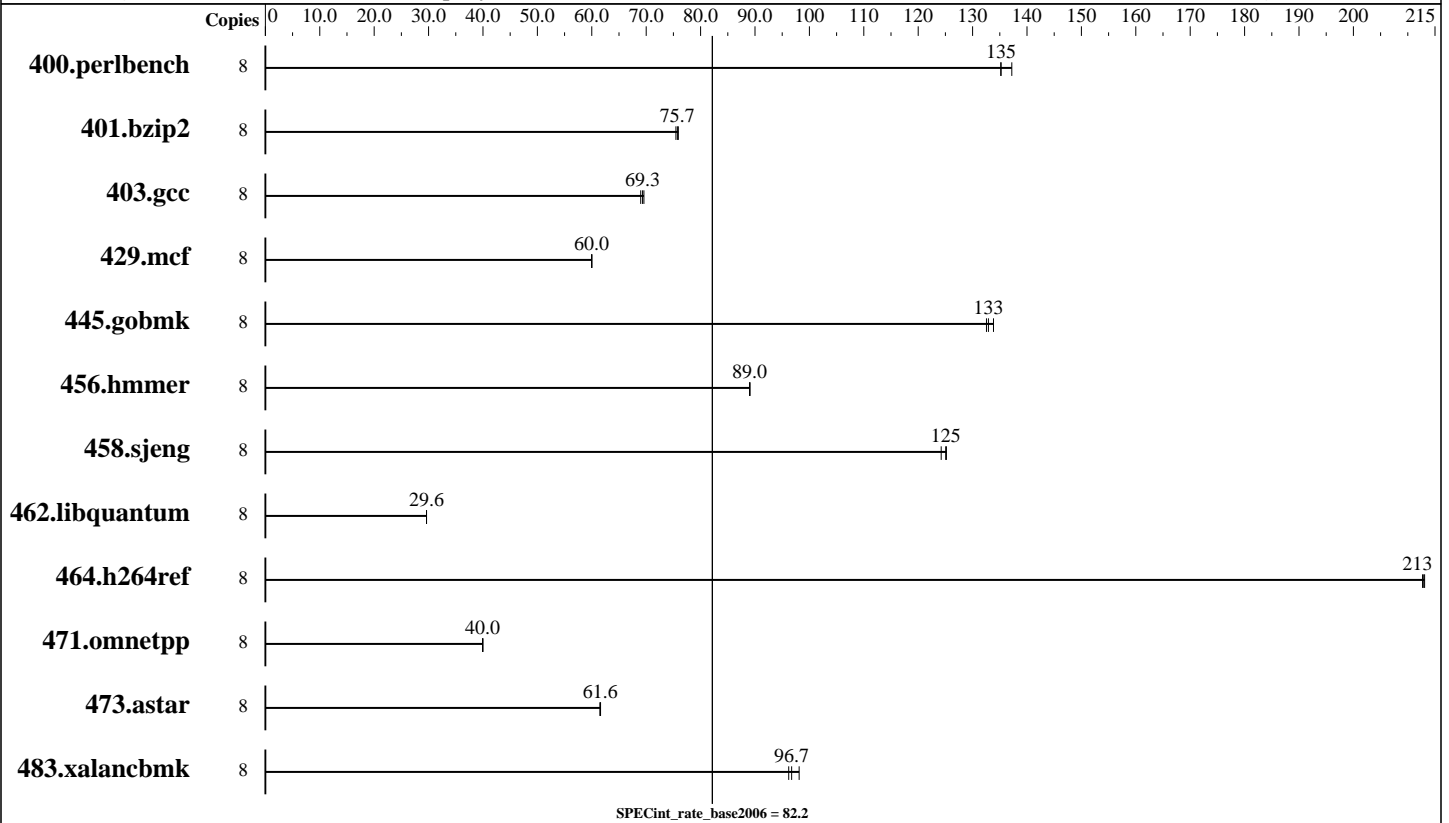
Test date: May-2007

Test sponsor: Hewlett-Packard Company

Hardware Availability: Jan-2007

Tested by: Hewlett-Packard Company

Software Availability: Mar-2007



### Hardware

CPU Name: Intel Xeon X5355  
 CPU Characteristics: 2.66 GHz, 2x4 MB L2 shared, 1333 MHz system bus  
 CPU MHz: 2660  
 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: 8 MB I+D on chip per chip, 4 MB shared / 2 cores  
 L3 Cache: None  
 Other Cache: None  
 Memory: 16 GB (8x2 GB PC2-5300F CL5)  
 Disk Subsystem: 1x36 GB 10 K SAS  
 Other Hardware: None

### Software

Operating System: SuSE Linux Enterprise Server 10 (x86\_64)  
 kernel 2.6.16.21-0.8-smp  
 Compiler: Intel C++ Compiler for Intel 32-bit applications, Version 9.1  
 Build 20070320Z, Package ID: 1\_cc\_c\_9.1.049  
 Auto Parallel: No  
 File System: ext2  
 System State: Multi-user run level 3  
 Base Pointers: 32-bit  
 Peak Pointers: Not Applicable  
 Other Software: None



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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	8	570	137	578	135	<b>578</b>	<b>135</b>							
401.bzip2	8	<b>1019</b>	<b>75.7</b>	1023	75.5	1017	75.9							
403.gcc	8	933	69.0	926	69.6	<b>929</b>	<b>69.3</b>							
429.mcf	8	1216	60.0	<b>1216</b>	<b>60.0</b>	1216	60.0							
445.gobmk	8	627	134	<b>631</b>	<b>133</b>	633	133							
456.hammer	8	838	89.0	<b>838</b>	<b>89.0</b>	838	89.1							
458.sjeng	8	773	125	779	124	<b>774</b>	<b>125</b>							
462.libquantum	8	<b>5596</b>	<b>29.6</b>	5595	29.6	5597	29.6							
464.h264ref	8	832	213	<b>831</b>	<b>213</b>	831	213							
471.omnetpp	8	<b>1251</b>	<b>40.0</b>	1252	39.9	1250	40.0							
473.astar	8	911	61.6	<b>912</b>	<b>61.6</b>	913	61.5							
483.xalancbmk	8	<b>571</b>	<b>96.7</b>	563	98.1	574	96.2							

Results appear in the order in which they were run. Bold underlined text indicates a median measurement.

## Platform Notes

Adjacent Sector Prefetch Disabled in BIOS.  
taskset utility used to bind CPU(s) to processes  
ulimit -s unlimited set

## Base Compiler Invocation

C benchmarks:  
icc

C++ benchmarks:  
icpc

## Base Portability Flags

400.perlbench: -DSPEC\_CPU\_LINUX\_X64  
401.bzip2: -DSPEC\_CPU\_LP64  
462.libquantum: -DSPEC\_CPU\_LINUX  
483.xalancbmk: -DSPEC\_CPU\_LINUX



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## Base Optimization Flags

C benchmarks:

-fast

C++ benchmarks:

-xP -O3 -ipo -no-prec-div -L/compiler/SmartHeap\_8\_1/lib -lsmartheap

The flags file that was used to format this result can be browsed at

<http://www.spec.org/cpu2006/flags/hp-ic91-flags.20090715.html>

You can also download the XML flags source by saving the following link:

<http://www.spec.org/cpu2006/flags/hp-ic91-flags.20090715.xml>

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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 v1.0.  
Report generated on Tue Jul 22 11:06:44 2014 by SPEC CPU2006 PS/PDF formatter v6932.  
Originally published on 12 June 2007.