



# SPEC<sup>®</sup> CINT2006 Result

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## Itautec

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

### Servidor Itautec LX201 (Intel Xeon E5405)

## SPECint\_rate\_base2006 = 76.1

CPU2006 license: 9001

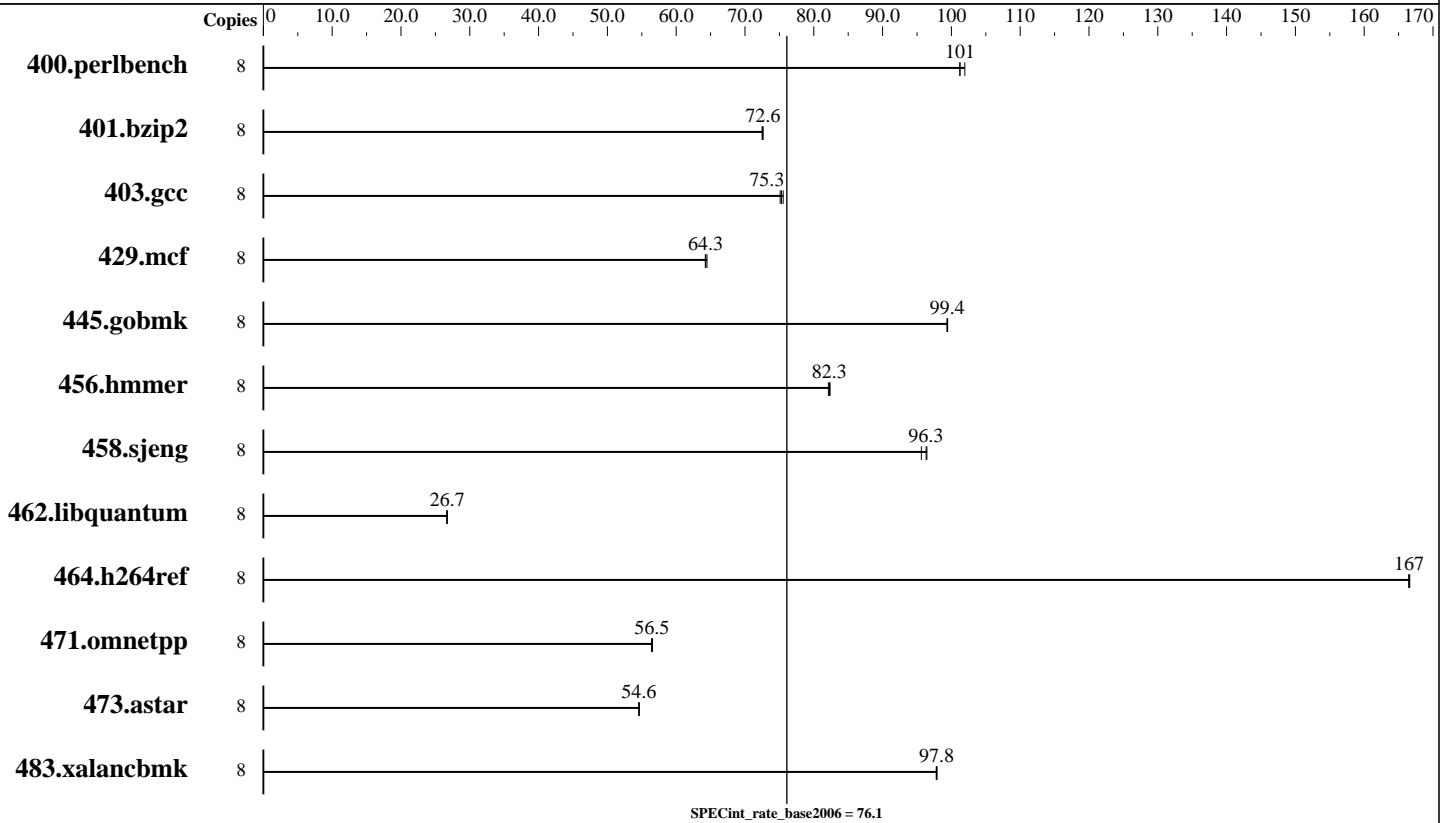
Test sponsor: Itautec

Tested by: Itautec

Test date: Mar-2008

Hardware Availability: Dec-2007

Software Availability: Jan-2008



### Hardware

CPU Name: Intel Xeon E5405  
 CPU Characteristics:  
 CPU MHz: 2000  
 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 (8 \* 2 GB PC2-5300 FBDIMM, CL-5-5-5, ECC)  
 Disk Subsystem: 1 x SATA, 200GB, 7200 RPM  
 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 for Linux version 10.1 Build 20080112 Package ID: l\_cc\_p\_10.1.012  
 Auto Parallel: No  
 File System: ReiserFS  
 System State: Run level 3 (multi-user)  
 Base Pointers: 32-bit  
 Peak Pointers: Not Applicable  
 Other Software: Binutils 2.17.10.50  
 MicroQuill SmartHeap V8.1



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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	772	101	767	102	<u>772</u>	<u>101</u>							
401.bzip2	8	1063	72.6	1065	72.5	<u>1063</u>	<u>72.6</u>							
403.gcc	8	857	75.1	<u>855</u>	<u>75.3</u>	852	75.6							
429.mcf	8	1132	64.5	<u>1135</u>	<u>64.3</u>	1136	64.2							
445.gobmk	8	845	99.4	844	99.5	<u>844</u>	<u>99.4</u>							
456.hammer	8	906	82.4	909	82.1	<u>907</u>	<u>82.3</u>							
458.sjeng	8	<u>1005</u>	<u>96.3</u>	1012	95.6	1004	96.4							
462.libquantum	8	6199	26.7	<u>6204</u>	<u>26.7</u>	6222	26.6							
464.h264ref	8	1063	167	<u>1063</u>	<u>167</u>	1064	166							
471.omnetpp	8	<u>886</u>	<u>56.5</u>	884	56.6	886	56.4							
473.astar	8	1028	54.7	1029	54.6	<u>1029</u>	<u>54.6</u>							
483.xalancbmk	8	<u>564</u>	<u>97.8</u>	564	97.8	564	97.9							

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

## Operating System Notes

'ulimit -s unlimited' was used to set the stacksize to unlimited prior to run.  
'/usr/bin/taskset' used to bind benchmark copies to processors.

## Platform Notes

BIOS configuration:  
Hardware Prefetch Disabled

## Base Compiler Invocation

C benchmarks:  
icc  
  
C++ benchmarks:  
icpc

## Base Portability Flags

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



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## Base Optimization Flags

C benchmarks:  
-fast -inline-calloc -opt-malloc-options=3

C++ benchmarks:  
-xT -ipo -O3 -no-prec-div -Wl,-z,muldefs  
-L/opt/sh/SmartHeap\_8.1/lib -lsmartheap

## Base Other Flags

C benchmarks:  
403.gcc: -Dalloca=\_alloca

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

<http://www.spec.org/cpu2006/flags/Itautec-ic10.1-FP-intel64-linux-flags.html>

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

<http://www.spec.org/cpu2006/flags/Itautec-ic10.1-FP-intel64-linux-flags.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).

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