



# SPEC® CINT2006 Result

Copyright ©2007 Standard Performance Evaluation Corporation

## ASUS Computer International

### SPECint®2006 = 20.5

### ASUS P5K3 motherboard (Intel Core 2 Duo E6750)

### SPECint\_base2006 = 18.3

CPU2006 license: 13

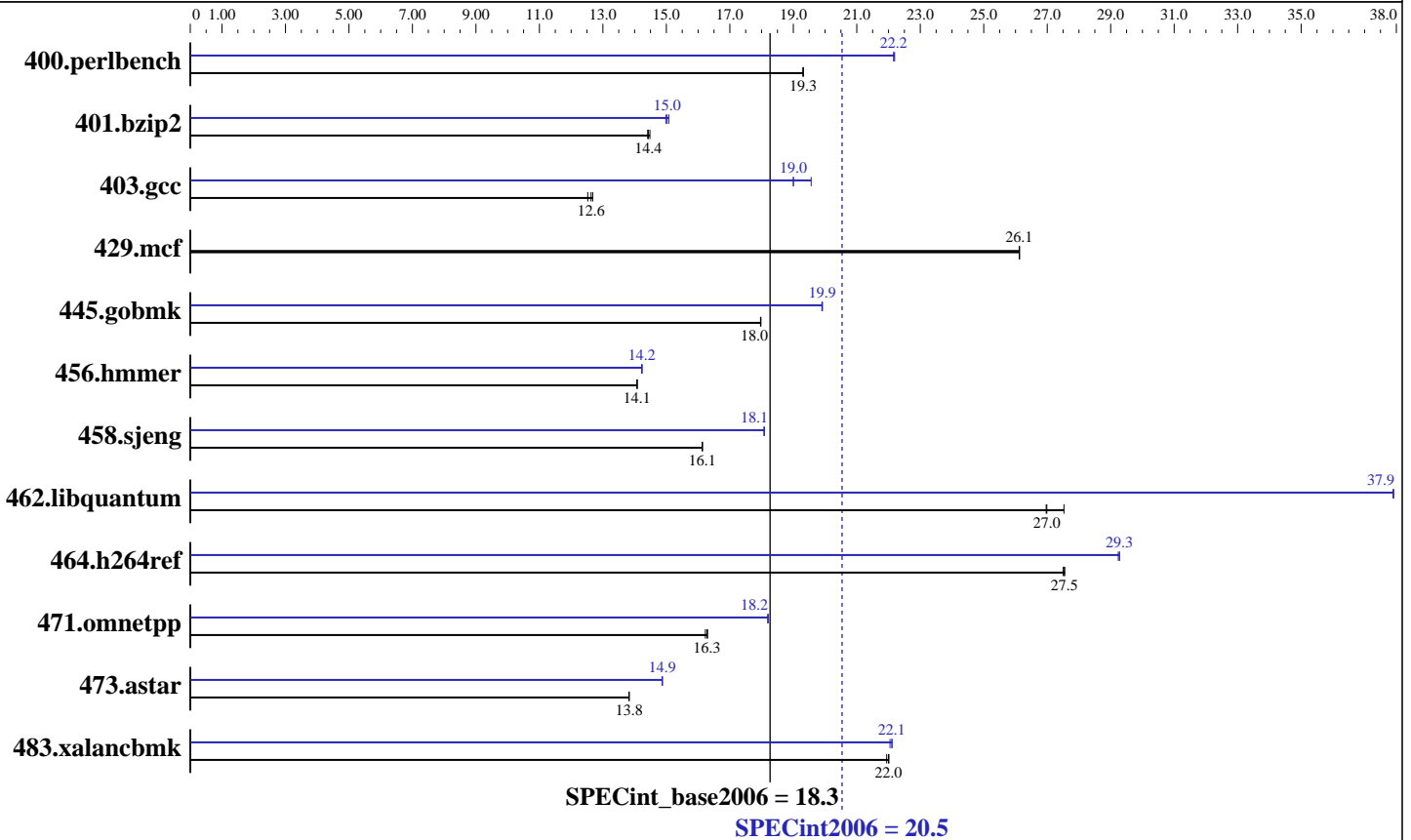
Test sponsor: Intel Corporation

Tested by: Intel Corporation

Test date: Jul-2007

Hardware Availability: Jul-2007

Software Availability: Aug-2006



### Hardware

CPU Name: Intel Core 2 Duo E6750  
 CPU Characteristics: 2.66 GHz, 1333 MHz bus  
 CPU MHz: 2666  
 FPU: Integrated  
 CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip  
 CPU(s) orderable: 1 chip  
 Primary Cache: 32 KB I + 32 KB D on chip per core  
 Secondary Cache: 4 MB I+D on chip per chip  
 L3 Cache: None  
 Other Cache: None  
 Memory: 2 GB (2x1GB ELPIDA PC3-8500U-7-00-BP DDR3-1066 7-7-7-20)  
 Disk Subsystem: Seagate ST3320620AS 320GB Barracuda 7200.10 NCQ SATA II  
 Other Hardware: None

### Software

Operating System: Windows Vista32 Ultimate  
 Compiler: Intel C++ Compiler for IA32 version 10.0 Build 20070426 Package ID: W\_CC\_P\_10.0.025  
 Intel Fortran Compiler for IA32 version 10.0 Build 20070426 Package ID: W\_FC\_P\_10.0.025  
 Microsoft Visual Studio .Net 2003 (for libraries)  
 Auto Parallel: No  
 File System: NTFS  
 System State: Default  
 Base Pointers: 32-bit  
 Peak Pointers: 32-bit  
 Other Software: SmartHeap Library Version 8.0 from <http://www.microquill.com/>



# SPEC CINT2006 Result

Copyright ©2007 Standard Performance Evaluation Corporation

ASUS Computer International

SPECint2006 = 20.5

ASUS P5K3 motherboard (Intel Core 2 Duo E6750)

SPECint\_base2006 = 18.3

CPU2006 license: 13

Test sponsor: Intel Corporation

Tested by: Intel Corporation

Test date: Jul-2007

Hardware Availability: Jul-2007

Software Availability: Aug-2006

## Results Table

Benchmark	Base						Peak					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	506	19.3	<b>506</b>	<b>19.3</b>	506	19.3	440	22.2	<b>441</b>	<b>22.2</b>	441	22.2
401.bzip2	<b>669</b>	<b>14.4</b>	670	14.4	666	14.5	<b>642</b>	<b>15.0</b>	640	15.1	644	15.0
403.gcc	643	12.5	635	12.7	<b>637</b>	<b>12.6</b>	424	19.0	411	19.6	<b>424</b>	<b>19.0</b>
429.mcf	<b>349</b>	<b>26.1</b>	349	26.1	349	26.1	<b>349</b>	<b>26.1</b>	349	26.1	349	26.1
445.gobmk	<b>584</b>	<b>18.0</b>	584	18.0	583	18.0	527	19.9	<b>527</b>	<b>19.9</b>	527	19.9
456.hammer	<b>663</b>	<b>14.1</b>	663	14.1	663	14.1	656	14.2	656	14.2	<b>656</b>	<b>14.2</b>
458.sjeng	750	16.1	<b>750</b>	<b>16.1</b>	750	16.1	<b>669</b>	<b>18.1</b>	669	18.1	669	18.1
462.libquantum	<b>768</b>	<b>27.0</b>	768	27.0	753	27.5	547	37.9	<b>547</b>	<b>37.9</b>	546	37.9
464.h264ref	805	27.5	<b>803</b>	<b>27.5</b>	803	27.5	757	29.2	<b>756</b>	<b>29.3</b>	756	29.3
471.omnetpp	385	16.2	384	16.3	<b>384</b>	<b>16.3</b>	343	18.2	343	18.2	<b>343</b>	<b>18.2</b>
473.astar	508	13.8	508	13.8	<b>508</b>	<b>13.8</b>	472	14.9	<b>472</b>	<b>14.9</b>	472	14.9
483.xalancbmk	<b>314</b>	<b>22.0</b>	313	22.0	314	21.9	313	22.0	312	22.1	<b>312</b>	<b>22.1</b>

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

## General Notes

Tested systems can be used with Shin-G ATX case, Antec NeoPower 480W power supply  
 Product description located as of 7/2007:  
<http://usa.asus.com/products.aspx?l1=3&l2=11&l3=534&l4=0&model=1645&modelmenu=1>  
 The system bus runs at 1333 MHz  
 System has a discrete gfx card - Asus EN8800GTX/HTDP/768M w/ nVidia 8800GTX  
 Binaries were built on Windows XP Professional SP2 with 4GB of RAM and /3GB boot switch

## Compiler Invocation

C benchmarks:  
 icl -Qvc7.1 -Qc99

C++ benchmarks:  
 icl -Qvc7.1

## Portability Flags

403.gcc: -DSPEC\_CPU\_WIN32  
 464.h264ref: -DSPEC\_CPU\_NO\_INTTYPES -DWIN32  
 473.astar: -DSPEC\_CPU\_LITTLE\_ENDIAN



# SPEC CINT2006 Result

Copyright ©2007 Standard Performance Evaluation Corporation

ASUS Computer International

SPECint2006 =

20.5

ASUS P5K3 motherboard (Intel Core 2 Duo E6750)

SPECint\_base2006 =

18.3

CPU2006 license: 13

Test sponsor: Intel Corporation

Tested by: Intel Corporation

Test date: Jul-2007

Hardware Availability: Jul-2007

Software Availability: Aug-2006

## Base Optimization Flags

C benchmarks:

-fast /F512000000 shlw32m.lib -link /FORCE:MULTIPLE

C++ benchmarks:

-fast -Qcxx\_features /F512000000 shlw32m.lib  
-link /FORCE:MULTIPLE

## Peak Optimization Flags

C benchmarks:

400.perlbench: -Qprof\_gen(pass 1) -Qprof\_use(pass 2) -fast -Qansi-alias  
-Qprefetch /F512000000 shlw32m.lib  
-link /FORCE:MULTIPLE

401.bzip2: -Qprof\_gen(pass 1) -Qprof\_use(pass 2) -fast /F512000000  
shlw32m.lib -link /FORCE:MULTIPLE

403.gcc: -Qprof\_gen(pass 1) -Qprof\_use(pass 2) -fast /F512000000  
-link /FORCE:MULTIPLE

429.mcf: basepeak = yes

445.gobmk: -Qprof\_gen(pass 1) -Qprof\_use(pass 2) -QxT -O2 -Qipo  
-Qprec\_div- -Qansi-alias /F512000000  
-link /FORCE:MULTIPLE

456.hmmer: -Qprof\_gen(pass 1) -Qprof\_use(pass 2) -fast -Qunroll2  
-Qansi-alias /F512000000 shlw32m.lib  
-link /FORCE:MULTIPLE

458.sjeng: -Qprof\_gen(pass 1) -Qprof\_use(pass 2) -fast -Qunroll4  
/F512000000 shlw32m.lib -link /FORCE:MULTIPLE

462.libquantum: -Qprof\_gen(pass 1) -Qprof\_use(pass 2) -fast -Qunroll4  
-Ob0 -Qprefetch -Qopt-streaming-stores:always /F512000000  
shlw32m.lib -link /FORCE:MULTIPLE

464.h264ref: Same as 456.hmmer

C++ benchmarks:

-Qprof\_gen(pass 1) -Qprof\_use(pass 2) -fast -Qansi-alias  
-Qcxx\_features /F512000000 shlw32m.lib  
-link /FORCE:MULTIPLE



# SPEC CINT2006 Result

Copyright ©2007 Standard Performance Evaluation Corporation

ASUS Computer International

SPECint2006 = 20.5

ASUS P5K3 motherboard (Intel Core 2 Duo E6750)

SPECint\_base2006 = 18.3

CPU2006 license: 13  
Test sponsor: Intel Corporation  
Tested by: Intel Corporation

Test date: Jul-2007  
Hardware Availability: Jul-2007  
Software Availability: Aug-2006

## 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/Intel-ic10-ia32-intel64-linux-flags-file-20070525.xml.20070809.html>

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

<http://www.spec.org/cpu2006/flags/Intel-ic10-ia32-intel64-linux-flags-file-20070525.xml.20070809.xml>

SPEC and SPECint are registered trademarks of the Standard Performance Evaluation Corporation. All other brand and product names appearing in this result are trademarks or registered trademarks of their respective holders.

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 Sun Dec 16 05:50:19 2007 by SPEC CPU2006 PS/PDF formatter v5614.