



# SPEC<sup>®</sup> CINT2006 Result

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## Shuttle

SPECint<sup>®</sup>2006 = --

### Shuttle SN25P (AMD Athlon 64 FX-60)

SPECint\_base2006 = 10.1

CPU2006 license: 49

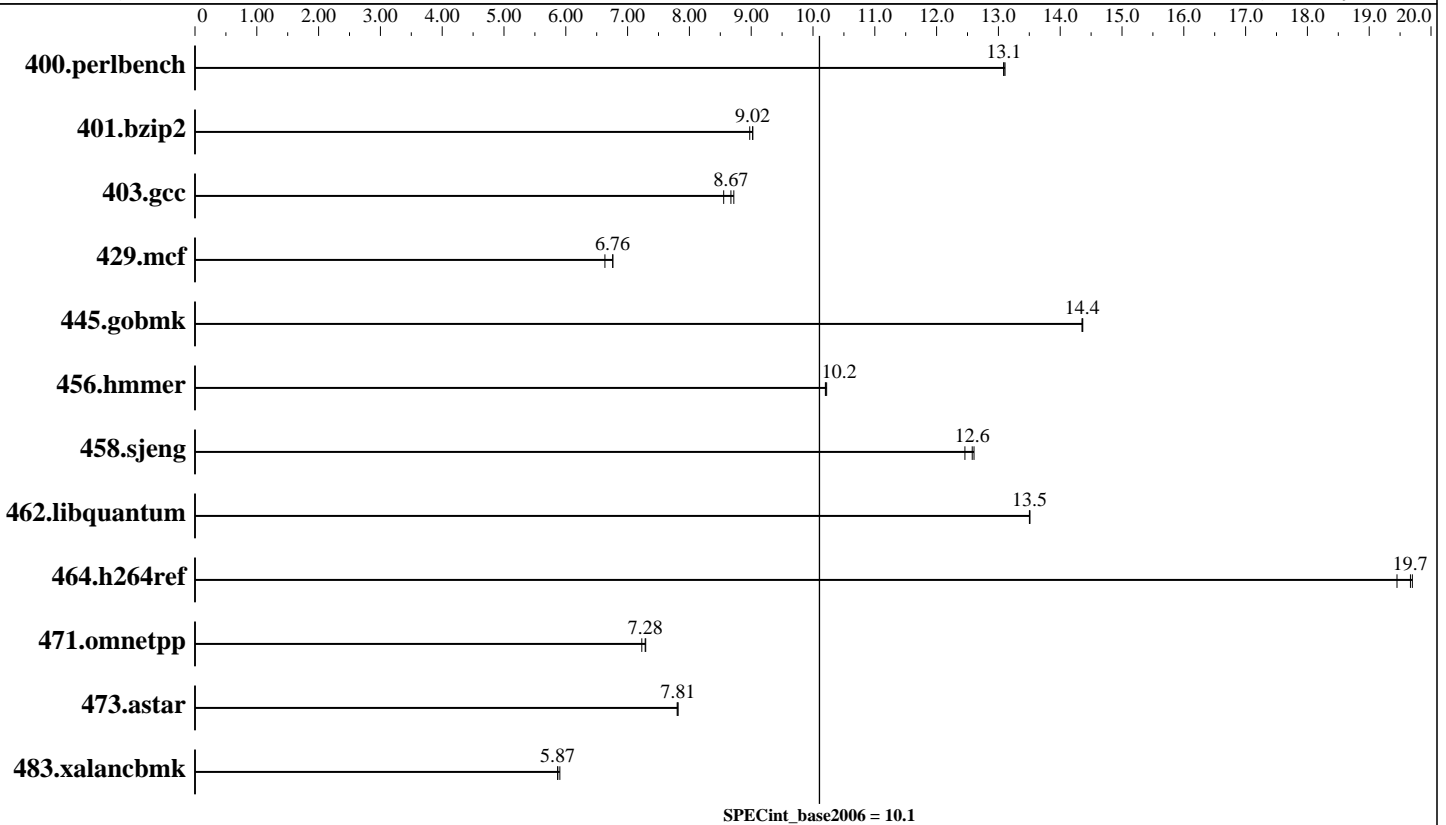
Test sponsor: Advanced Micro Devices

Tested by: Advanced Micro Devices

Test date: Apr-2006

Hardware Availability: Feb-2006

Software Availability: May-2006



### Hardware

CPU Name: AMD Athlon 64 FX-60  
 CPU Characteristics:  
 CPU MHz: 2600  
 FPU: Integrated  
 CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip  
 CPU(s) orderable: 1 chip  
 Primary Cache: 64 KB I + 64 KB D on chip per core  
 Secondary Cache: 1 MB I+D on chip per core  
 L3 Cache: None  
 Other Cache: None  
 Memory: 2 GB (2 x 1 GB DDR400 CL3)  
 Disk Subsystem: SATA 250GB  
 Other Hardware: None

### Software

Operating System: SUSE Linux 10.1 (for AMD64)  
 Compiler: gcc , g++ 4.1.0 (for AMD64)  
 Auto Parallel: No  
 File System: ext3  
 System State: runlevel 5  
 Base Pointers: 64-bit  
 Peak Pointers: Not Applicable  
 Other Software: None



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## Results Table

Benchmark	Base						Peak					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	745	13.1	747	13.1	<b><u>746</u></b>	<b><u>13.1</u></b>						
401.bzip2	1075	8.98	1069	9.02	<b><u>1069</u></b>	<b><u>9.02</u></b>						
403.gcc	941	8.56	<b><u>928</u></b>	<b><u>8.67</u></b>	923	8.72						
429.mcf	1375	6.63	<b><u>1349</u></b>	<b><u>6.76</u></b>	1349	6.76						
445.gobmk	731	14.4	730	14.4	<b><u>731</u></b>	<b><u>14.4</u></b>						
456.hmmer	915	10.2	<b><u>914</u></b>	<b><u>10.2</u></b>	913	10.2						
458.sjeng	<b><u>962</u></b>	<b><u>12.6</u></b>	971	12.5	960	12.6						
462.libquantum	<b><u>1534</u></b>	<b><u>13.5</u></b>	1534	13.5	1535	13.5						
464.h264ref	1138	19.4	<b><u>1125</u></b>	<b><u>19.7</u></b>	1123	19.7						
471.omnetpp	<b><u>858</u></b>	<b><u>7.28</u></b>	864	7.23	857	7.29						
473.astar	898	7.82	900	7.80	<b><u>898</u></b>	<b><u>7.81</u></b>						
483.xalancbmk	<b><u>1175</u></b>	<b><u>5.87</u></b>	1176	5.87	1169	5.90						

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

## General Notes

Tested by AMD

The system can be assembled using a PCI-E Video card

## Base Compiler Invocation

C benchmarks:

gcc

C++ benchmarks:

g++

## Base Portability Flags

```

400.perlbench: -DSPEC_CPU_LP64 -DSPEC_CPU_LINUX_X64
401.bzip2: -DSPEC_CPU_LP64
403.gcc: -DSPEC_CPU_LP64
429.mcf: -DSPEC_CPU_LP64
445.gobmk: -DSPEC_CPU_LP64
456.hmmer: -DSPEC_CPU_LP64
458.sjeng: -DSPEC_CPU_LP64
462.libquantum: -DSPEC_CPU_LP64 -DSPEC_CPU_LINUX
464.h264ref: -DSPEC_CPU_LP64
471.omnetpp: -DSPEC_CPU_LP64

```

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## Base Portability Flags (Continued)

473.astar: -DSPEC\_CPU\_LP64  
483.xalancbmk: -DSPEC\_CPU\_LP64 -DSPEC\_CPU\_LINUX

## Base Optimization Flags

C benchmarks:  
-O3 -funroll-loops -fno-inline-functions

C++ benchmarks:  
-O3 -funroll-loops

The flags file that was used to format this result can be browsed at  
[http://www.spec.org/cpu2006/flags/CPU2006\\_flags.20090714.04.html](http://www.spec.org/cpu2006/flags/CPU2006_flags.20090714.04.html)

You can also download the XML flags source by saving the following link:  
[http://www.spec.org/cpu2006/flags/CPU2006\\_flags.20090714.04.xml](http://www.spec.org/cpu2006/flags/CPU2006_flags.20090714.04.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 v91.  
Report generated on Wed Jul 15 11:19:04 2009 by SPEC CPU2006 PS/PDF formatter v6323.