



SPEC[®] CFP2006 Result

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Supermicro Motherboard X7DBR-8

SPECfp[®]_rate2006 = Not Run

SPECfp_rate_base2006 = 41.0

CPU2006 license: 001176

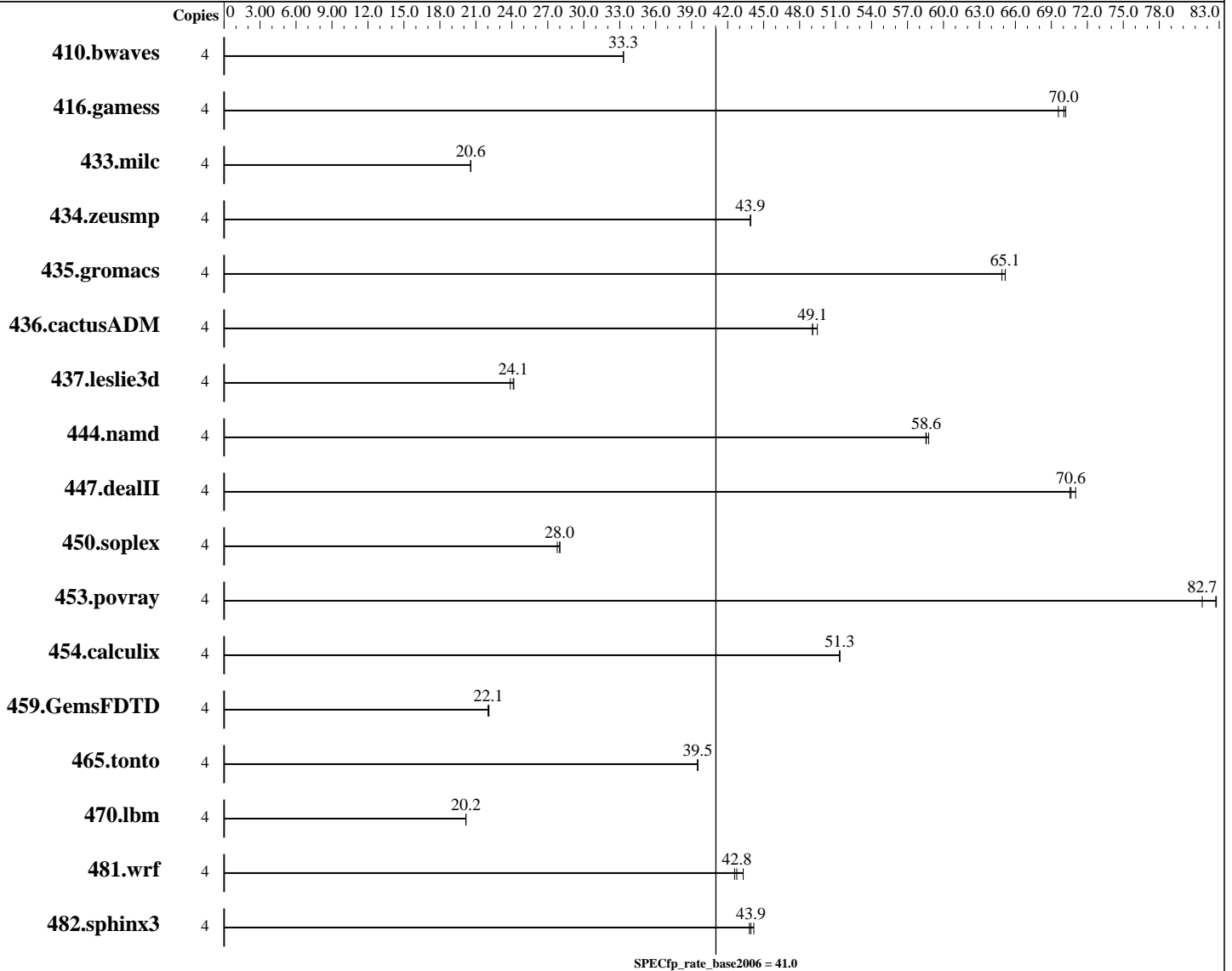
Test sponsor: Supermicro

Tested by: Supermicro

Test date: Oct-2006

Hardware Availability: May-2006

Software Availability: Oct-2006



Hardware

CPU Name: Intel Xeon 5160
 CPU Characteristics: 3.0GHz 1333 System Bus
 CPU MHz: 3000
 FPU: Integrated
 CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip
 CPU(s) orderable: 1, 2 chips
 Primary Cache: 32 KB I + 32 KB D on chip per core
 Secondary Cache: 4 MB I+D on chip per chip

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Software

Operating System: Windows Server 2003 Enterprise Edition W/ SP1
 Compiler: Intel C++ Compiler for IA32 version 9.1
 Build no 20060816
 Microsoft Visual Studio .Net 2003 (for libraries)
 SmartHeap Library Version 7.4
 Auto Parallel: No
 File System: NTFS
 System State: Default
 Base Pointers: 32-bit

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L3 Cache: None
Other Cache: None
Memory: 16 GB (8 X 2GB ECC, CL5, 667MHz, FBDIMM)
Disk Subsystem: 160GB IDE, 7200RPM
Other Hardware: None

Peak Pointers: Not Applicable
Other Software: None

Results Table

Benchmark	Base							Peak						
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
410.bwaves	4	1632	33.3	1632	33.3	<u>1632</u>	<u>33.3</u>							
416.gamess	4	<u>1118</u>	<u>70.0</u>	1116	70.2	1126	69.6							
433.milc	4	<u>1785</u>	<u>20.6</u>	1784	20.6	1786	20.6							
434.zeusmp	4	829	43.9	<u>829</u>	<u>43.9</u>	829	43.9							
435.gromacs	4	438	65.1	<u>438</u>	<u>65.1</u>	440	64.9							
436.cactusADM	4	966	49.5	974	49.1	<u>974</u>	<u>49.1</u>							
437.leslie3d	4	1575	23.9	1556	24.2	<u>1559</u>	<u>24.1</u>							
444.namd	4	546	58.8	<u>548</u>	<u>58.6</u>	548	58.5							
447.dealII	4	<u>648</u>	<u>70.6</u>	644	71.0	649	70.6							
450.soplex	4	1191	28.0	<u>1192</u>	<u>28.0</u>	1200	27.8							
453.povray	4	<u>257</u>	<u>82.7</u>	261	81.6	257	82.8							
454.calculix	4	643	51.3	<u>643</u>	<u>51.3</u>	643	51.3							
459.GemsFDTD	4	1921	22.1	1928	22.0	<u>1925</u>	<u>22.1</u>							
465.tonto	4	997	39.5	996	39.5	<u>996</u>	<u>39.5</u>							
470.lbm	4	<u>2725</u>	<u>20.2</u>	2725	20.2	2725	20.2							
481.wrf	4	<u>1045</u>	<u>42.8</u>	1032	43.3	1049	42.6							
482.sphinx3	4	1764	44.2	<u>1774</u>	<u>43.9</u>	1780	43.8							

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 SC816S-R700 case,
To ensure system stability, a 500W (minimum) ATX power supply [4-pin (+12V), 8-pin (+12V) and 24-pin are required]
Product description located as of <http://www.supermicro.com/products/motherboard/Xeon1333/5000P/X7DBR-8.cfm>
The system bus runs at 1333 MHz

Base Compiler Invocation

C benchmarks:
icl -Qvc7.1 -Qc99

C++ benchmarks:
icl -Qvc7.1

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Base Compiler Invocation (Continued)

Fortran benchmarks:
ifort

Benchmarks using both Fortran and C:
icl -Qvc7.1 -Qc99 ifort

Base Portability Flags

436.cactusADM: -Qlowercase /assume:underscore
444.namd: -TP
447.dealII: -DDEAL_II_MEMBER_VAR_SPECIALIZATION_BUG
-DBOOST_NO_INTRINSIC_WCHAR_T
453.povray: -DSPEC_CPU_WINDOWS_ICL
454.calculix: -DSPEC_CPU_NOZMODIFIER -Qlowercase
481.wrf: -DSPEC_CPU_WINDOWS_ICL

Base Optimization Flags

C benchmarks:
-fast /F950000000 shlw32m.lib -link /FORCE:MULTIPLE

C++ benchmarks:
-fast -Qcxx_features /F950000000 shlw32m.lib
-link /FORCE:MULTIPLE

Fortran benchmarks:
-fast /F950000000 -link /FORCE:MULTIPLE

Benchmarks using both Fortran and C:
-fast /F950000000 -link /FORCE:MULTIPLE

The flags file that was used to format this result can be browsed at
<http://www.spec.org/cpu2006/flags/Intel-ic91-flags.20090715.03.html>

You can also download the XML flags source by saving the following link:
<http://www.spec.org/cpu2006/flags/Intel-ic91-flags.20090715.03.xml>



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

Tested with SPEC CPU2006 v1.0.
Report generated on Tue Jul 22 10:09:43 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 26 December 2006.