SPEC® CFP2006 Result

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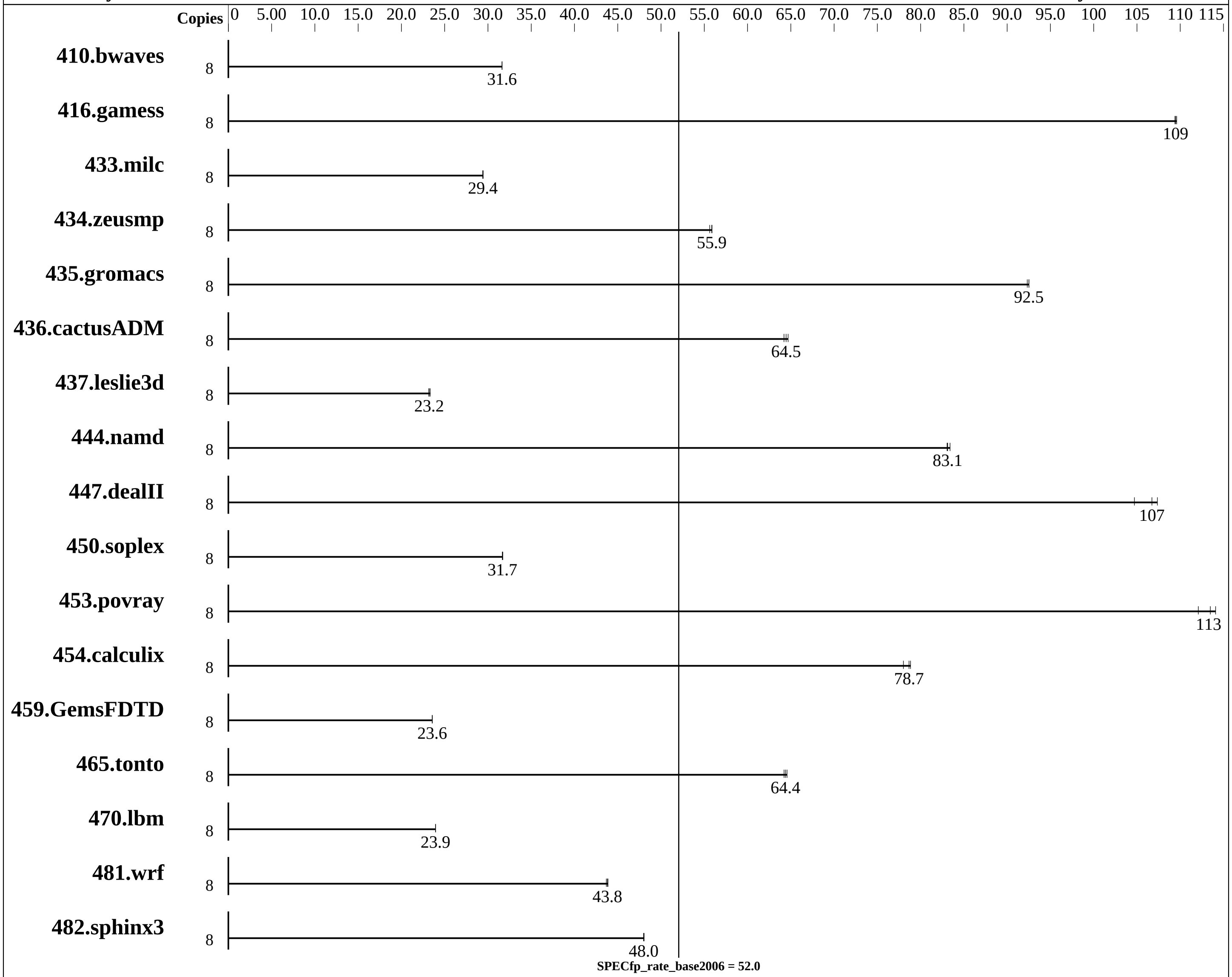
Dell Inc.

PowerEdge 2950 (Intel Xeon processor E5335, 2.00 GHz)

SPECfp®_rate2006 = Not Run

SPECfp_rate_base2006 = 52.0

CPU2006 license:	55	**Test date:**	Mar-2007
Test sponsor:	Dell Inc.	**Hardware Availability:**	Dec-2006
Tested by:	Dell Inc.	**Software Availability:**	Nov-2006



Hardware

CPU Name:	Intel Xeon E5335
CPU Characteristics:	1333 MHz Bus Speed
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:	8 MB I+D on chip per chip, 4 MB shared / 2 cores

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Software

Operating System:	SuSE Linux Enterprise Server 10 EM64T kernel 2.6.16.21-0.8-smp
Compiler:	Intel C++ Compiler for Intel EM64T-based applications, Version 9.1 Package ID l_cc_c_9.1.045 Build no 20061101 Intel Fortran Compiler for Intel EM64T-based applications, Version 9.1 Package ID l_fc_c_9.1.040 Build no 20061101
Auto Parallel:	No

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L3 Cache:	None	File System:	ext2
Other Cache:	None	System State:	Multi-user run level 3
Memory:	16 GB (8 x 2 GB 667MHz CL5 DDR2 FB-DIMM SDRAM)	Base Pointers:	64-bit
Disk Subsystem:	1 x 73 GB SAS 15k RPM	Peak Pointers:	Not Applicable
Other Hardware:	None	Other Software:	None

Results Table

	Base							Peak						
Benchmark	**Copies**	**Seconds**	**Ratio**	**Seconds**	**Ratio**	**Seconds**	**Ratio**	**Copies**	**Seconds**	**Ratio**	**Seconds**	**Ratio**	**Seconds**	**Ratio**
410.bwaves	8	**3437**	**31.6**	3437	31.6	3436	31.6							
416.gamess	8	**1431**	**109**	1432	109	1429	110							
433.milc	8	2494	29.4	2498	29.4	**2497**	**29.4**							
434.zeusmp	8	1302	55.9	**1303**	**55.9**	1309	55.6							
435.gromacs	8	**617**	**92.5**	617	92.5	619	92.3							
436.cactusADM	8	**1483**	**64.5**	1478	64.7	1489	64.2							
437.leslie3d	8	3224	23.3	3246	23.2	**3240**	**23.2**							
444.namd	8	769	83.4	772	83.1	**772**	**83.1**							
447.dealII	8	**857**	**107**	852	107	874	105							
450.soplex	8	2107	31.7	2104	31.7	**2106**	**31.7**							
453.povray	8	380	112	373	114	**375**	**113**							
454.calculix	8	846	78.0	**839**	**78.7**	837	78.8							
459.GemsFDTD	8	3602	23.6	3600	23.6	**3601**	**23.6**							
465.tonto	8	**1223**	**64.4**	1219	64.6	1226	64.2							
470.lbm	8	4593	23.9	4592	23.9	**4592**	**23.9**							
481.wrf	8	2037	43.9	2046	43.7	**2040**	**43.8**							
482.sphinx3	8	**3248**	**48.0**	3245	48.0	3249	48.0							

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

Platform Notes

```
Hardware Prefetcher disabled in BIOS
Adjacent Cache Line Prefetch disabled in BIOS
"ulimit -s unlimited" set
```

Base Compiler Invocation

C benchmarks:
`icc`

C++ benchmarks:
`icpc`

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Base Compiler Invocation (Continued)

Fortran benchmarks:
    ifort

Benchmarks using both Fortran and C:
    icc ifort

Base Portability Flags

410.bwaves: -DSPEC_CPU_LP64
416.gamess: -DSPEC_CPU_LP64
433.milc: -DSPEC_CPU_LP64
434.zeusmp: -DSPEC_CPU_LP64
435.gromacs: -DSPEC_CPU_LP64 -nofor_main
436.cactusADM: -DSPEC_CPU_LP64 -nofor_main
437.leslie3d: -DSPEC_CPU_LP64
444.namd: -DSPEC_CPU_LP64
447.dealII: -DSPEC_CPU_LP64
450.soplex: -DSPEC_CPU_LP64
453.povray: -DSPEC_CPU_LP64
454.calculix: -DSPEC_CPU_LP64 -nofor_main
459.GemsFDTD: -DSPEC_CPU_LP64
465.tonto: -DSPEC_CPU_LP64
470.lbm: -DSPEC_CPU_LP64
481.wrf: -DSPEC_CPU_LP64 -DSPEC_CPU_CASE_FLAG -DSPEC_CPU_LINUX
482.sphinx3: -DSPEC_CPU_LP64

Base Optimization Flags

C benchmarks:
    -fast

C++ benchmarks:
    -fast

Fortran benchmarks:
    -fast

Benchmarks using both Fortran and C:
    -fast

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

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

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

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