SPEC® CFP2006 Result
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Dell Inc.
PowerEdge 840

$SPECfp^{®}2006 =$ **Not Run**
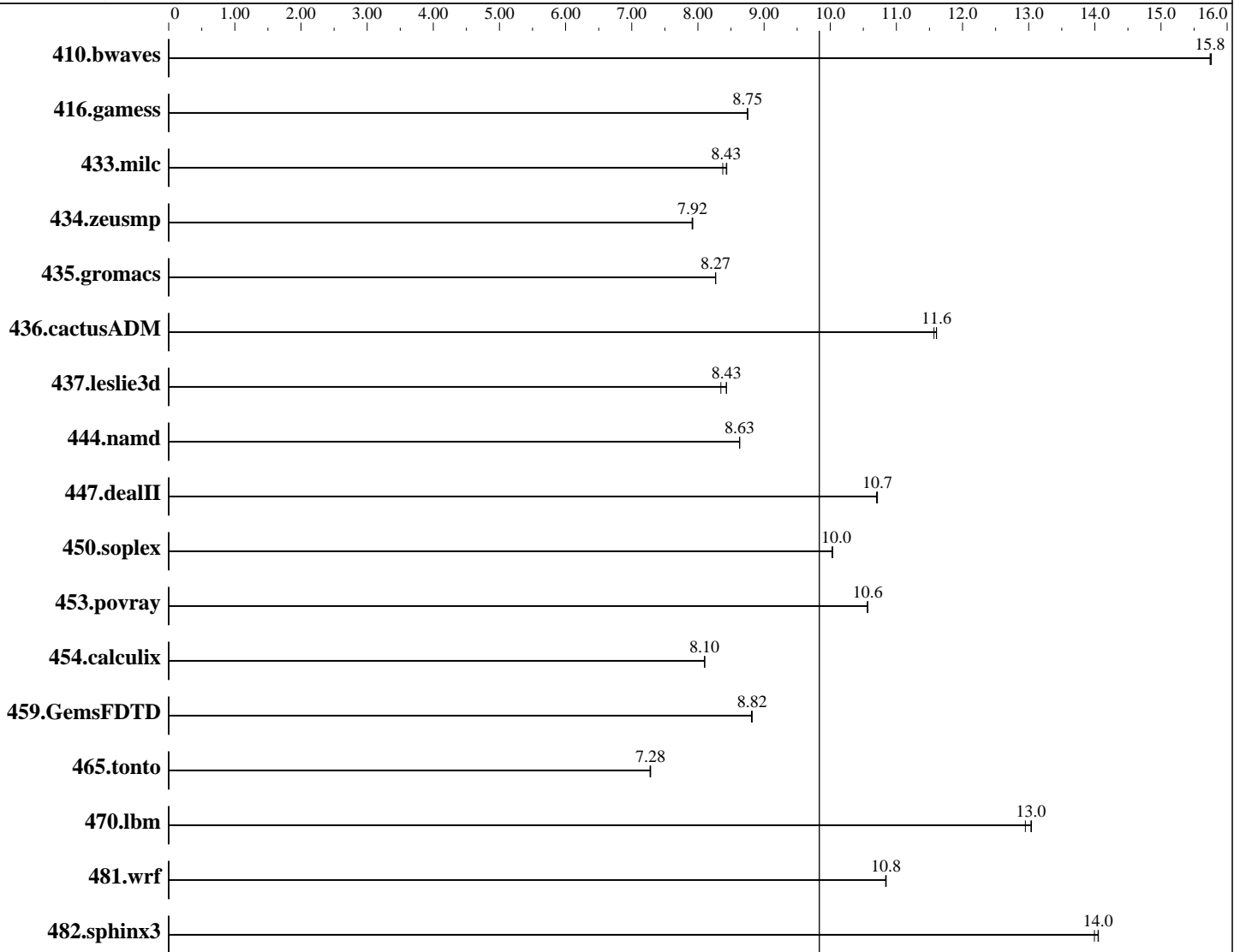
$SPECfp\_base2006 =$ **9.83**

CPU2006 license: 55
Test sponsor: Dell Inc.
Tested by: Dell Inc.

Test date: Jan-2007
Hardware Availability: Jan-2007
Software Availability: Nov-2006

Benchmark	Result
410.bwaves	15.8
416.gamess	8.75
433.milc	8.43
434.zeusmp	7.92
435.gromacs	8.27
436.cactusADM	11.6
437.leslie3d	8.43
444.namd	8.63
447.dealII	10.7
450.soplex	10.0
453.povray	10.6
454.calculix	8.10
459.GemsFDTD	8.82
465.tonto	7.28
470.lbm	13.0
481.wrf	10.8
482.sphinx3	14.0

SPECfp_base2006 = 9.83

Hardware

CPU Name:	Intel Pentium D 925
CPU Characteristics:	800MHz system bus
CPU MHz:	3000
FPU:	Integrated
CPU(s) enabled:	2 cores, 1 chip, 2 cores/chip
CPU(s) orderable:	1 chip
Primary Cache:	12 K micro-ops I + 16 KB D on chip per core
Secondary Cache:	2 MB I+D on chip per core

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Software

Operating System:	Windows Server 2003 Standard Edition (32-bit)
Compiler:	Intel C++ Compiler 9.1 for IA32 (20061103Z)
	Intel FORTRAN Compiler 9.1 for IA32 (20061103Z)
	Microsoft Visual Studio 2005
Auto Parallel:	No
File System:	NTFS
System State:	Default
Base Pointers:	32-bit
Peak Pointers:	Not Applicable

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L3 Cache: None
Other Cache: None
Memory: 2 GB (4x512 MB 667MHz ECC DDR2 SDRAM)
Disk Subsystem: 1 x 73GB
Other Hardware: None

Other Software: MicroQuill SmartHeap Library 8.0

Results Table

Benchmark	Base						Peak					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
410.bwaves	862	15.8	863	15.7	**863**	**15.8**						
416.gamess	2238	8.75	2237	8.75	**2237**	**8.75**						
433.milc	1096	8.38	**1089**	**8.43**	1088	8.44						
434.zeusmp	1150	7.91	**1149**	**7.92**	1149	7.92						
435.gromacs	**864**	**8.27**	864	8.27	864	8.27						
436.cactusADM	1029	11.6	1033	11.6	**1030**	**11.6**						
437.leslie3d	1126	8.35	1115	8.43	**1115**	**8.43**						
444.namd	929	8.63	**929**	**8.63**	929	8.63						
447.dealII	1069	10.7	1068	10.7	**1068**	**10.7**						
450.soplex	832	10.0	831	10.0	**831**	**10.0**						
453.povray	504	10.6	503	10.6	**503**	**10.6**						
454.calculix	1018	8.10	**1018**	**8.10**	1018	8.10						
459.GemsFDTD	1204	8.81	**1203**	**8.82**	1203	8.82						
465.tonto	1351	7.28	1352	7.28	**1351**	**7.28**						
470.lbm	1061	12.9	**1054**	**13.0**	1053	13.0						
481.wrf	1031	10.8	**1030**	**10.8**	1030	10.8						
482.sphinx3	1393	14.0	**1387**	**14.0**	1387	14.1						

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

General Notes

32-bit binaries were built on Windows XP Professional x64 Edition

Base Compiler Invocation

C benchmarks:
```
icl -Qc99
```

C++ benchmarks:
```
icl
```

Fortran benchmarks:
```
ifort
```

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Base Compiler Invocation (Continued)

Benchmarks using both Fortran and C:
```
icl -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 /F512000000 shlW32M.lib          -link /FORCE:MULTIPLE
```

C++ benchmarks:
```
-fast -Qcxx_features /F512000000 shlW32M.lib
          -link /FORCE:MULTIPLE
```

Fortran benchmarks:
```
-fast /F1000000000          -link /FORCE:MULTIPLE
```

Benchmarks using both Fortran and C:
```
-fast /F1000000000          -link /FORCE:MULTIPLE
```

The flags file that was used to format this result can be browsed at
http://www.spec.org/cpu2006/flags/dell.cpu2006.ic91.flags.20090715.00.html

You can also download the XML flags source by saving the following link:
http://www.spec.org/cpu2006/flags/dell.cpu2006.ic91.flags.20090715.00.xml

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

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