SPEC® CFP2006 Result

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Dell Inc.

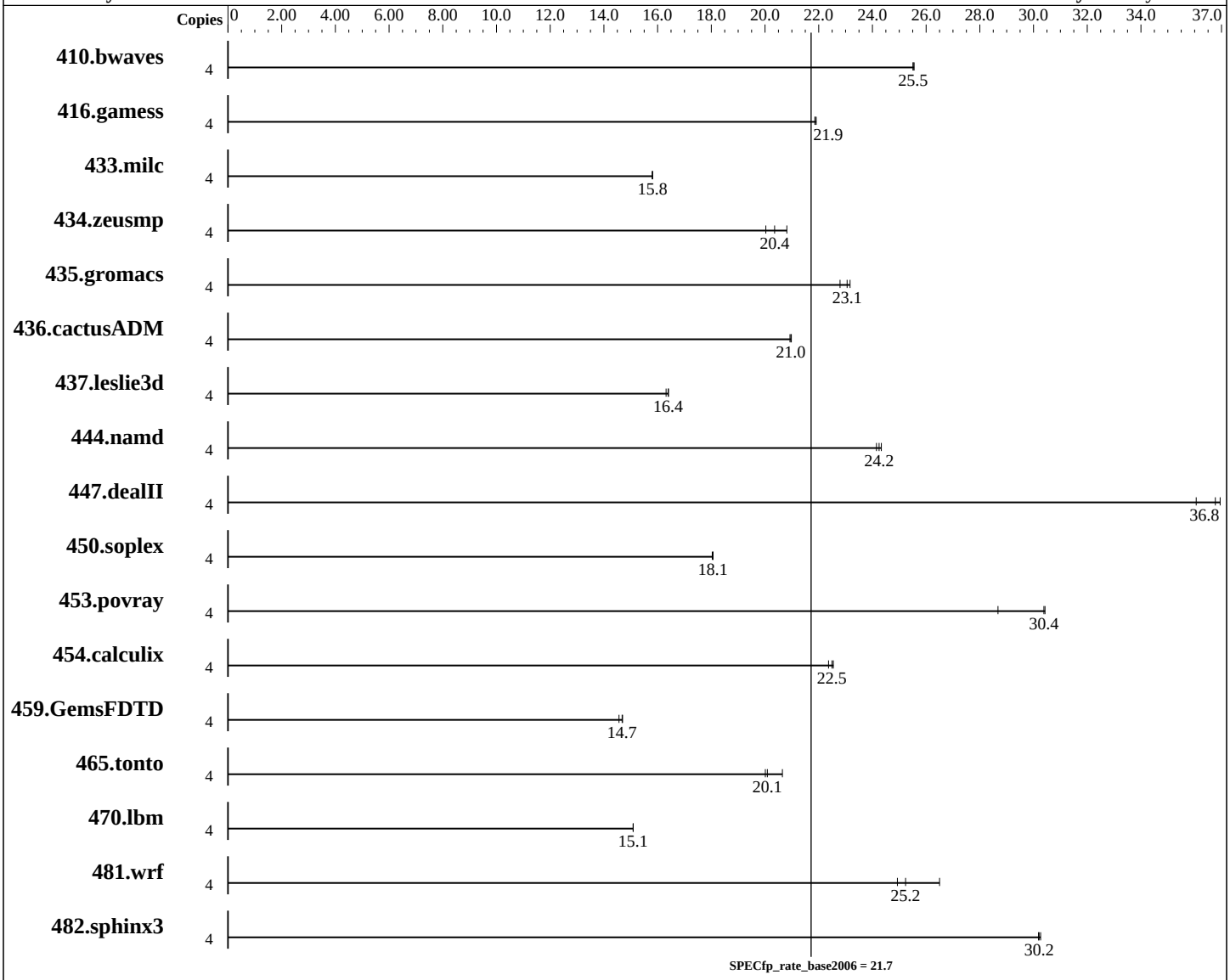
Dell Precision 380 (3.73 GHz, Pentium Exteme Edition 965)

SPECfp®_rate2006 = --

SPECfp_rate_base2006 = 21.7

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

Test date: Apr-2006
Hardware Availability: May-2006
Software Availability: May-2006



Hardware

CPU Name:	Intel Pentium Extreme Edition 965
CPU Characteristics:	
CPU MHz:	3733
FPU:	Integrated
CPU(s) enabled:	2 cores, 1 chip, 2 cores/chip, 2 threads/core
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 XP Professional x64 Edition
Compiler:	Intel C++ Compiler 9.1 for IA32 (20060323Z) Intel FORTRAN Compiler 9.1 for IA32 (20060323Z) Microsoft Visual Studio .NET 2003 MicroQuill SmartHeap Library 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: 4 GB (4x1 GB 667MHz ECC CL5 DDR2 SDRAM)
Disk Subsystem: 1 x 80GB SATA 7200 RPM
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	2127	25.6	2131	25.5	**2130**	**25.5**							
416.gamess	4	3575	21.9	**3582**	**21.9**	3583	21.9							
433.milc	4	2324	15.8	**2322**	**15.8**	2322	15.8							
434.zeusmp	4	1749	20.8	**1788**	**20.4**	1817	20.0							
435.gromacs	4	1253	22.8	**1239**	**23.1**	1233	23.2							
436.cactusADM	4	2278	21.0	**2280**	**21.0**	2284	20.9							
437.leslie3d	4	**2293**	**16.4**	2305	16.3	2292	16.4							
444.namd	4	1318	24.3	**1323**	**24.2**	1328	24.2							
447.dealII	4	1269	36.1	**1244**	**36.8**	1238	36.9							
450.soplex	4	**1847**	**18.1**	1850	18.0	1847	18.1							
453.povray	4	699	30.4	742	28.7	**700**	**30.4**							
454.calculix	4	**1467**	**22.5**	1475	22.4	1464	22.5							
459.GemsFDTD	4	2888	14.7	**2891**	**14.7**	2914	14.6							
465.tonto	4	1906	20.6	1967	20.0	**1959**	**20.1**							
470.lbm	4	3642	15.1	**3642**	**15.1**	3642	15.1							
481.wrf	4	1792	24.9	**1771**	**25.2**	1686	26.5							
482.sphinx3	4	2583	30.2	**2581**	**30.2**	2576	30.3							

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

Base Compiler Invocation

C benchmarks:
```
icl -Qvc7.1 -Qc99
```

C++ benchmarks:
```
icl -Qvc7.1
```

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.20090715.00.html

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

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For other inquiries, please contact webmaster@spec.org.

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