SPEC® CFP2006 Result
Copyright 2006-2014 Standard Performance Evaluation Corporation

Dell Inc.

PowerEdge 2900 (Intel Xeon processor 5130, 2.00GHz)

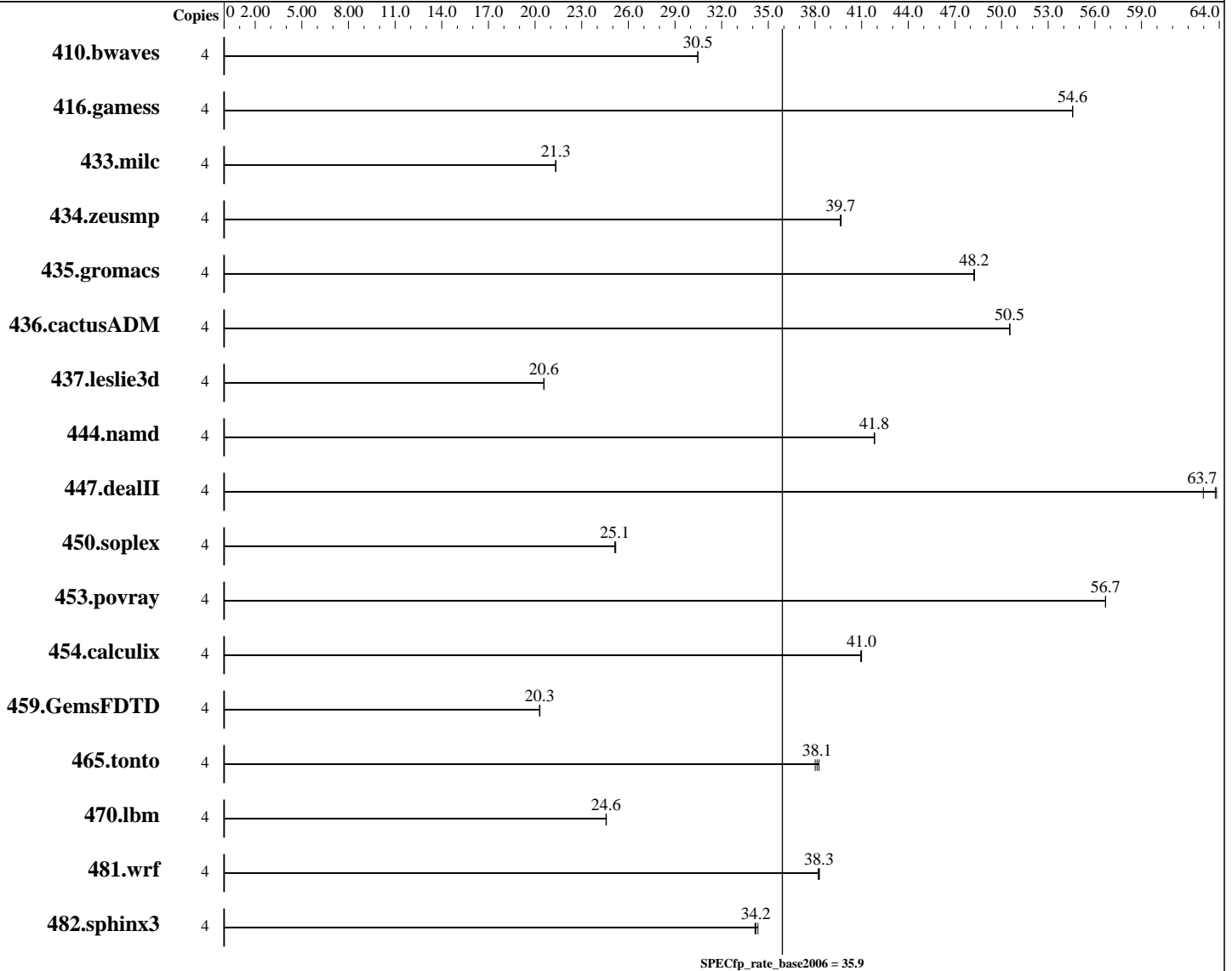$SPECfp^®\_rate2006 =$ Not Run

$SPECfp\_rate\_base2006 =$ 35.9

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

Copies — 0 2.00 5.00 8.00 11.0 14.0 17.0 20.0 23.0 26.0 29.0 32.0 35.0 38.0 41.0 44.0 47.0 50.0 53.0 56.0 59.0 64.0

Benchmark	Copies	Result
410.bwaves	4	30.5
416.gamess	4	54.6
433.milc	4	21.3
434.zeusmp	4	39.7
435.gromacs	4	48.2
436.cactusADM	4	50.5
437.leslie3d	4	20.6
444.namd	4	41.8
447.dealII	4	63.7
450.soplex	4	25.1
453.povray	4	56.7
454.calculix	4	41.0
459.GemsFDTD	4	20.3
465.tonto	4	38.1
470.lbm	4	24.6
481.wrf	4	38.3
482.sphinx3	4	34.2

SPECfp_rate_base2006 = 35.9

Hardware

CPU Name:	Intel Xeon 5130
CPU Characteristics:	1333 MHz Bus Speed
CPU MHz:	2000
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

Continued on next page

Software

Operating System:	Red Hat Enterprise Linux 4 Advanced Server Update 3 EM64T kernel 2.6.9-34-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

Continued on next page

SPEC CFP2006 Result

Dell Inc.

PowerEdge 2900 (Intel Xeon processor 5130, 2.00GHz)

$SPECfp\_rate2006 =$ Not Run

$SPECfp\_rate\_base2006 = 35.9$

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

L3 Cache:	None	File System:	ext3
Other Cache:	None	System State:	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

Benchmark	Copies	Base Seconds	Base Ratio	Base Seconds	Base Ratio	Base Seconds	Base Ratio	Peak Copies	Peak Seconds	Peak Ratio	Peak Seconds	Peak Ratio	Peak Seconds	Peak Ratio
410.bwaves	4	**_1784_**	**_30.5_**	1784	30.5	1785	30.5							
416.gamess	4	**_1435_**	**_54.6_**	1435	54.6	1435	54.6							
433.milc	4	1722	21.3	1721	21.3	**_1721_**	**_21.3_**							
434.zeusmp	4	918	39.6	917	39.7	**_918_**	**_39.7_**							
435.gromacs	4	592	48.2	592	48.3	**_592_**	**_48.2_**							
436.cactusADM	4	946	50.5	946	50.5	**_946_**	**_50.5_**							
437.leslie3d	4	1829	20.6	**_1827_**	**_20.6_**	1827	20.6							
444.namd	4	767	41.8	767	41.8	**_767_**	**_41.8_**							
447.dealII	4	727	63.0	**_718_**	**_63.7_**	717	63.8							
450.soplex	4	1324	25.2	**_1327_**	**_25.1_**	1327	25.1							
453.povray	4	**_375_**	**_56.7_**	375	56.7	375	56.7							
454.calculix	4	806	40.9	805	41.0	**_805_**	**_41.0_**							
459.GemsFDTD	4	2092	20.3	**_2090_**	**_20.3_**	2089	20.3							
465.tonto	4	1035	38.0	**_1032_**	**_38.1_**	1029	38.3							
470.lbm	4	2235	24.6	**_2237_**	**_24.6_**	2237	24.6							
481.wrf	4	**_1168_**	**_38.3_**	1167	38.3	1169	38.2							
482.sphinx3	4	2271	34.3	2283	34.1	**_2279_**	**_34.2_**							

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

Platform Notes

```
Snoop Filter enabled in BIOS
"ulimit -s unlimited" set
```

Base Compiler Invocation

C benchmarks:
```
icc
```

C++ benchmarks:
```
icpc
```

Dell Inc.

PowerEdge 2900 (Intel Xeon processor 5130, 2.00GHz)

$SPECfp\_rate2006 =$ Not Run

$SPECfp\_rate\_base2006 =$ 35.9

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

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/hp-ic91-flags.html

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

SPEC CFP2006 Result
Copyright 2006-2014 Standard Performance Evaluation Corporation

Dell Inc.

PowerEdge 2900 (Intel Xeon processor 5130, 2.00GHz)

$SPECfp\_rate2006 =$ Not Run

$SPECfp\_rate\_base2006 =$ 35.9

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

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 12:03:18 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 17 April 2007.