

SPEC® CFP2006 Result

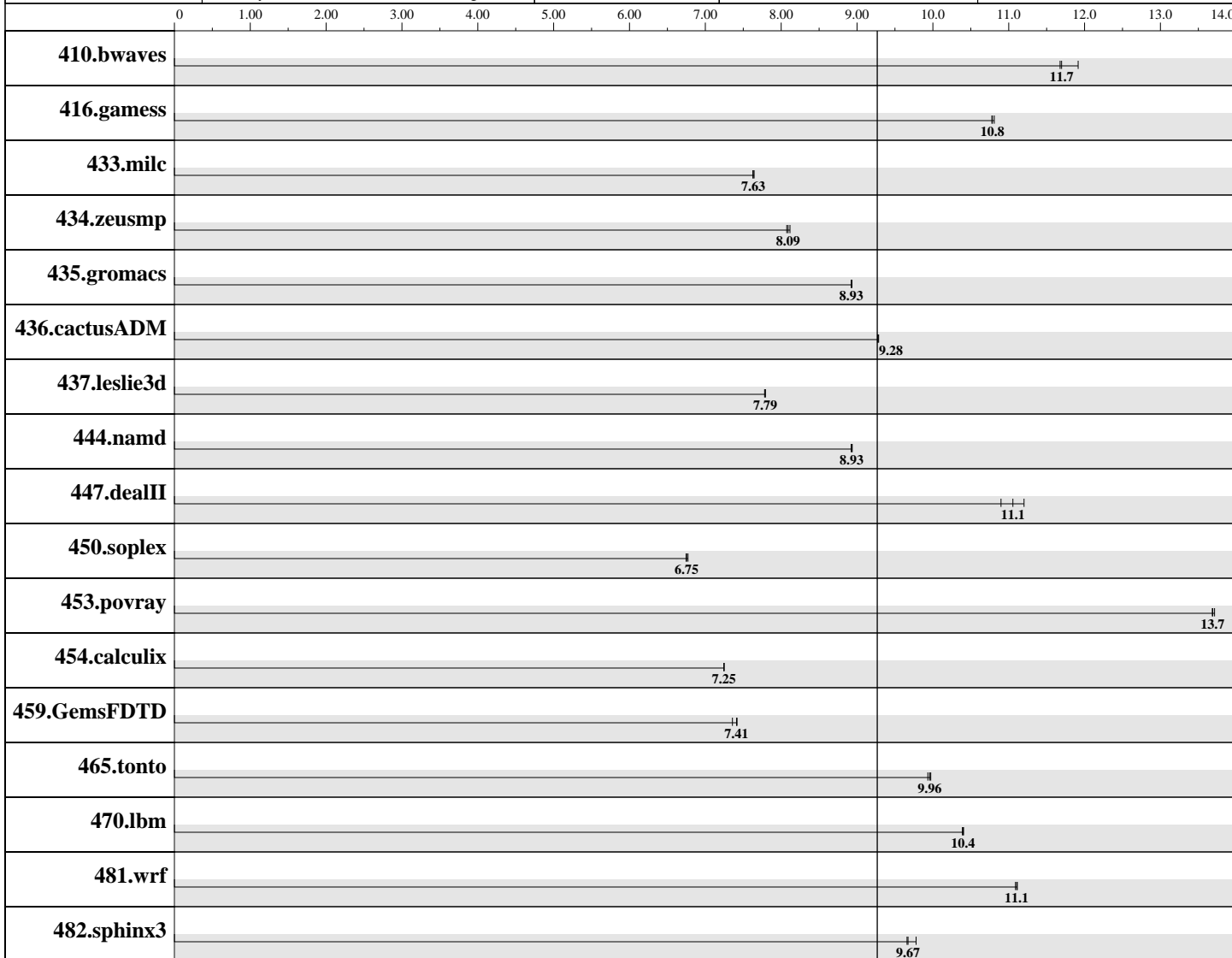
Copyright ©2006 Standard Performance Evaluation Corporation

Dual Core AMD Opteron 270 (4 nucleos)
Dual Core AMD Opteron 270

SPECfp®2006 = **Not Run**

SPECfp_base2006 = **9.27**

CPU2006 license #: 2433 | Test sponsor: DPT Comp.Sciences, Univ.Valladolid | Test date: Nov-2007 | Hardware Availability: Oct-2007 | Software Availability: Oct-2007
Tested by: Sergio Aldea



SPECfp_base2006 = 9.27

Hardware

CPU Name: x86_64 Dual Core AMD Opteron 270 AuthenticAMD
 CPU Characteristics: 2 GHz, 1066 MHz bus
 CPU MHz: 1993
 FPU: Integrated
 CPU(s) enabled: 4 cores, 1 chip, 2 cores/chip
 CPU(s) orderable: 1 chip
 Primary Cache: 64 KB I + 64 KB D on chip per core
 Secondary Cache: 1 MB I+D on chip per core
 L3 Cache: None
 Other Cache: None

Continued on next page

Software

Operating System: Gentoo Base System release 1.12.9
 Compiler: gcc , g++ & gfortran 4.1.2 (Gentoo 4.1.2 p1.0.1)
 Auto Parallel: No
 File System: ext3
 System State: runlevel 3
 Base Pointers: 64-bit
 Peak Pointers: 64-bit
 Other Software: None

SPEC CFP2006 Result

Copyright ©2006 Standard Performance Evaluation Corporation

Dual Core AMD Opteron 270 (4 nucleos)

SPECfp2006 = **Not Run**

Dual Core AMD Opteron 270

SPECfp_base2006 = **9.27**

CPU2006 license #: 2433 Test sponsor: DPT Comp.Sciences, Univ.Valladolid Test date: Nov-2007 Hardware Availability: Oct-2007 Software Availability: Oct-2007
Tested by: Sergio Aldea

Hardware (Continued)

Memory: 4 GB
Disk Subsystem:
Other Hardware: --

Results Table

Benchmark	Base						Peak					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
410.bwaves	1140	11.9	1160	11.7	1160	11.7						
416.gamess	1820	10.8	1810	10.8	1820	10.8						
433.milc	1200	7.64	1200	7.63	1200	7.63						
434.zeusmp	1130	8.07	1120	8.09	1120	8.12						
435.gromacs	800	8.92	800	8.93	799	8.93						
436.cactusADM	1290	9.28	1290	9.28	1290	9.27						
437.leslie3d	1210	7.79	1210	7.79	1210	7.78						
444.namd	898	8.93	897	8.94	899	8.92						
447.dealII	1050	10.9	1020	11.2	1030	11.1						
450.soplex	1230	6.77	1240	6.75	1230	6.75						
453.povray	389	13.7	388	13.7	389	13.7						
454.calculix	1140	7.25	1140	7.25	1140	7.25						
459.GemsFDTD	1430	7.41	1430	7.42	1440	7.36						
465.tonto	988	9.96	987	9.97	991	9.93						
470.lbm	1320	10.4	1320	10.4	1320	10.4						
481.wrf	1010	11.1	1010	11.1	1010	11.1						
482.sphinx3	2020	9.67	1990	9.78	2020	9.66						

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

General Notes

PORTABILITY=-DSPEC_CPU_LP64 is applied to all benchmarks in base.
C base flags: -O3 -ipo -xW -no-prec-div -axW -funroll-all-loops
C++ base flags: -O3 -ipo -xW -no-prec-div -axW -funroll-all-loops
Fortran base flags: -O3 -ipo -xW -no-prec-div -axW -funroll-all-loops
wrf_data_header_size=4 for Intel Compiler

Base Compiler Invocation

C benchmarks:
icc

C++ benchmarks:
icpc

Continued on next page

SPEC CFP2006 Result

Copyright ©2006 Standard Performance Evaluation Corporation

Dual Core AMD Opteron 270 (4 nucleos)

SPECfp2006 =

Not Run

Dual Core AMD Opteron 270

SPECfp_base2006 =

9.27

CPU2006 license #: 2433	Test sponsor: DPT Comp.Sciences, Univ.Valladolid	Test date: Nov-2007	Hardware Availability: Oct-2007	Software Availability: Oct-2007
	Tested by: Sergio Aldea			

Base Compiler Invocation (Continued)

Fortran benchmarks:

ifort

Benchmarks using both Fortran and C:

icc ifort

Base Portability Flags

C benchmarks:

-DSPEC_CPU_LP64

C++ benchmarks (except as noted below):

-DSPEC_CPU_LP64

453.povray: -DSPEC_CPU_LP64

Fortran benchmarks:

-DSPEC_CPU_LP64

Benchmarks using both Fortran and C (except as noted below):

-DSPEC_CPU_LP64

436.cactusADM: -DSPEC_CPU_LP64

481.wrf: -DSPEC_CPU_LP64 -DSPEC_CPU_LINUX -DSPEC_CPU_CASE_FLAG

Base Optimization Flags

C benchmarks:

-O3 -ipo -no-prec-div -funroll-all-loops -axW -xW

C++ benchmarks:

-O3 -ipo -no-prec-div -funroll-all-loops -axW -xW

Fortran benchmarks:

-O3 -ipo -no-prec-div -funroll-all-loops -axW -xW

Benchmarks using both Fortran and C (except as noted below):

-O3 -ipo -no-prec-div -funroll-all-loops -axW -xW -nofor-main(*)

481.wrf: -O3 -ipo -no-prec-div -funroll-all-loops -axW -xW

(*) Indicates an optimization flag that was found in a portability variable.

SPEC CFP2006 Result

Copyright ©2006 Standard Performance Evaluation Corporation

Dual Core AMD Opteron 270 (4 nucleos)

SPECfp2006 =

Not Run

Dual Core AMD Opteron 270

SPECfp_base2006 =

9.27

CPU2006 license #: 2433	Test sponsor: DPT Comp.Sciences, Univ.Valladolid	Test date: Nov-2007	Hardware Availability: Oct-2007	Software Availability: Oct-2007
	Tested by: Sergio Aldea			

Base Other Flags

C benchmarks:

No flags used

C++ benchmarks:

No flags used

Fortran benchmarks:

No flags used

Benchmarks using both Fortran and C:

No flags used

SPEC and SPECfp are registered trademarks of the Standard Performance Evaluation Corporation. All other brand and product names appearing in this result are trademarks or registered trademarks of their respective holders.