



CFP2000 Result

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Fujitsu Siemens Computers

PRIMERGY RX300 S3, Intel Xeon 5120 processor, 1.86 GHz

SPECfp_rate2000 = 59.2

SPECfp_rate_base2000 = 59.2

SPEC license #: 22 | Tested by: Fujitsu Siemens Computers | Test date: Jul-2006 | Hardware Avail: Jul-2006 | Software Avail: Jan-2006

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	90.9	81.7	4	90.9	81.7
171.swim	4	341	42.1	4	341	42.1
172.mgrid	4	218	38.3	4	218	38.3
173.applu	4	237	41.1	4	237	41.1
177.mesa	4	74.7	87.0	4	74.7	87.0
178.galgel	4	87.2	154	4	87.2	154
179.art	4	72.1	167	4	72.1	167
183.quake	4	149	40.4	4	149	40.4
187.facerec	4	116	75.8	4	116	75.8
188.amp	4	177	57.8	4	177	57.8
189.lucas	4	215	43.1	4	215	43.1
191.fma3d	4	227	43.0	4	227	43.0
200.sixtrack	4	157	32.6	4	157	32.6
301.apsi	4	242	49.8	4	242	49.8

Hardware

CPU: Intel Xeon 5120 processor (1.86 GHz, 4MB SLC, 1066 MHz system bus)
 CPU MHz: 1866
 FPU: Integrated
 CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip
 CPU(s) orderable: 1,2
 Parallel: No
 Primary Cache: 32KB(I) + 32KB(D) on chip, per core
 Secondary Cache: 4096KB(I+D) on chip, per chip
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 8x1024 MB DDRII-RAM PC2-4200F (CAS 4-4-4)
 Disk Subsystem: Seagate ST336754SS (SAS, 15.4krpm, 36GB)
 Other Hardware: none

Software

Operating System: 64-Bit SUSE LINUX Enterprise Server 9 with SP3
 Kernel 2.6.5-7.244-smp on an x86_64
 Compiler: Intel C++ and Fortran Compiler 9.0 for EM64T
 Build 20060120 (for 64-bit applications)
 File System: ext2
 System State: Multi-user run level 3

Notes/Tuning Information

GENERAL

+FDO implies feedback-directed optimization
 PASS1: -prof_gen PASS2: -prof_use

Optimization flags

ONESTEP=yes set for all benchmarks

Portability flags

-DSPEC_CPU2000_LP64 applied to all benchmarks
 178.galgel: -FI for fixed-format Fortran

Base tuning flags

for Fortran and C programs: -fast +FDO

Peak tuning flags

same as baseline (basepeak=true set globally)



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Notes/Tuning Information (Continued)

The system bus runs at 1066 MHz

This result was measured with 64-bit binaries using the 64-bit version of the operating system.

This result was measured on the PRIMERGY TX300 S3. The PRIMERGY TX300 S3 and the PRIMERGY RX300 S3 are electronically equivalent.

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