



CFP2000 Result

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Fujitsu Siemens Computers

PRIMERGY RX600 S3, Intel Xeon processor 7140M, 3.40 GHz

SPECfp_rate2000 = 74.1

SPECfp_rate_base2000 = 74.1

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	8	143	104	8	143	104
171.swim	8	554	52.0	8	554	52.0
172.mgrid	8	335	49.9	8	335	49.9
173.applu	8	379	51.4	8	379	51.4
177.mesa	8	166	78.5	8	166	78.5
178.galgel	8	142	190	8	142	190
179.art	8	88.8	272	8	88.8	272
183.quake	8	223	54.0	8	223	54.0
187.facerec	8	199	88.6	8	199	88.6
188.amp	8	292	69.9	8	292	69.9
189.lucas	8	359	51.7	8	359	51.7
191.fma3d	8	340	57.3	8	340	57.3
200.sixtrack	8	255	40.1	8	255	40.1
301.apsi	8	355	68.0	8	355	68.0

Hardware

CPU: Intel Xeon processor 7140M (3.40 GHz, 2x1MB L2, 16MB L3, 800 MHz system bus)
 CPU MHz: 3400
 FPU: Integrated
 CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip (Hyper-Threading Technology enabled)
 CPU(s) orderable: 1,2,4 chips
 Parallel: No
 Primary Cache: 12k micro-ops(I) + 16KB(D) on chip, per core
 Secondary Cache: 1024KB(I+D) on chip, per core
 L3 Cache: 16MB on chip, per chip
 Other Cache: N/A
 Memory: 16x1GB DDRII-RAM PC2-3200R (CAS 3-3-3)
 Disk Subsystem: Fujitsu MAS3367NC (SCSI, 15krpm, 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: ext3
 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 800 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 TX600 S3. The PRIMERGY TX600 S3 and the PRIMERGY RX600 S3 are electronically equivalent.

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