



CFP2000 Result

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Fujitsu Siemens Computers

PRIMERGY RX600 S3, Intel Xeon processor 7041, 3.0 GHz

SPECfp_rate2000 = 63.3

SPECfp_rate_base2000 = 63.3

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

| Benchmark | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|--------------|-------------|--------------|------------|--------|---------|-------|
| 168.wupwise | 8 | 197 | 75.3 | 8 | 197 | 75.3 |
| 171.swim | 8 | 802 | 35.9 | 8 | 802 | 35.9 |
| 172.mgrid | 8 | 494 | 33.8 | 8 | 494 | 33.8 |
| 173.applu | 8 | 546 | 35.7 | 8 | 546 | 35.7 |
| 177.mesa | 8 | 97.2 | 134 | 8 | 97.2 | 134 |
| 178.galgel | 8 | 165 | 163 | 8 | 165 | 163 |
| 179.art | 8 | 176 | 137 | 8 | 176 | 137 |
| 183.quake | 8 | 359 | 33.6 | 8 | 359 | 33.6 |
| 187.facerec | 8 | 235 | 74.9 | 8 | 235 | 74.9 |
| 188.amp | 8 | 240 | 85.0 | 8 | 240 | 85.0 |
| 189.lucas | 8 | 450 | 41.3 | 8 | 450 | 41.3 |
| 191.fma3d | 8 | 446 | 43.7 | 8 | 446 | 43.7 |
| 200.sixtrack | 8 | 191 | 53.4 | 8 | 191 | 53.4 |
| 301.apsi | 8 | 294 | 82.1 | 8 | 294 | 82.1 |

Hardware

CPU: Intel Xeon processor 7041 (3.0 GHz, 2x2MB L2, 800 MHz system bus)
CPU MHz: 3000
FPU: Integrated
CPU(s) enabled: 8 cores, 4 chips, 2 cores/chip (Hyper-Threading Technology disabled)
CPU(s) orderable: 1,2,4
Parallel: No
Primary Cache: 12k micro-ops I + 16KBD on chip, per core
Secondary Cache: 2048KB(I+D) on chip, per core
L3 Cache: N/A
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.

BIOS Configuration:

Hardware Prefetch = Enable, Adjacent Sector Prefetch = Disable

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