



CFP2000 Result

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Fujitsu Siemens Computers

PRIMERGY TX150 S4, Intel Pentium D 950 processor, 3.40 GHz

SPECfp_rate2000 = 39.0

SPECfp_rate_base2000 = 39.0

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

| Benchmark | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|--------------|-------------|--------------|------------|--------|---------|-------|
| 168.wupwise | 2 | 58.7 | 63.2 | 2 | 58.7 | 63.2 |
| 171.swim | 2 | 217 | 33.1 | 2 | 217 | 33.1 |
| 172.mgrid | 2 | 137 | 30.5 | 2 | 137 | 30.5 |
| 173.applu | 2 | 165 | 29.5 | 2 | 165 | 29.5 |
| 177.mesa | 2 | 78.5 | 41.4 | 2 | 78.5 | 41.4 |
| 178.galgel | 2 | 91.4 | 73.6 | 2 | 91.4 | 73.6 |
| 179.art | 2 | 49.7 | 121 | 2 | 49.7 | 121 |
| 183.equake | 2 | 80.7 | 37.4 | 2 | 80.7 | 37.4 |
| 187.facerec | 2 | 98.9 | 44.6 | 2 | 98.9 | 44.6 |
| 188.amp | 2 | 161 | 31.6 | 2 | 161 | 31.6 |
| 189.lucas | 2 | 143 | 32.6 | 2 | 143 | 32.6 |
| 191.fma3d | 2 | 150 | 32.4 | 2 | 150 | 32.4 |
| 200.sixtrack | 2 | 162 | 15.7 | 2 | 162 | 15.7 |
| 301.apsi | 2 | 192 | 31.5 | 2 | 192 | 31.5 |

Hardware

CPU: Intel Pentium D 950 processor (3.40 GHz, 2x2MB L2, 800 MHz system bus)
CPU MHz: 3400
FPU: Integrated
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip
CPU(s) orderable: 1
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: 4x2GB DDRII-RAM PC2-4200E (CAS 4-4-4)
Disk Subsystem: Fujitsu MAS3735NC (SCSI, 15 krpm, 73GB)
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.

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