



CFP2000 Result

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Fujitsu Siemens Computers

PRIMERGY RX300 S3, Intel Xeon processor X5355, 2.66 GHz

SPECfp_rate2000 = 104

SPECfp_rate_base2000 = 104

SPEC license #: 22 | Tested by: Fujitsu Siemens Computers | Test date: Oct-2006 | Hardware Avail: Jan-2007 | Software Avail: Aug-2006

| Benchmark | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|--------------|-------------|--------------|------------|--------|---------|-------|
| 168.wupwise | 8 | 128 | 116 | 8 | 128 | 116 |
| 171.swim | 8 | 530 | 54.3 | 8 | 530 | 54.3 |
| 172.mgrid | 8 | 330 | 50.6 | 8 | 330 | 50.6 |
| 173.applu | 8 | 353 | 55.2 | 8 | 353 | 55.2 |
| 177.mesa | 8 | 54.1 | 240 | 8 | 54.1 | 240 |
| 178.galgel | 8 | 81.7 | 329 | 8 | 81.7 | 329 |
| 179.art | 8 | 85.9 | 281 | 8 | 85.9 | 281 |
| 183.equake | 8 | 246 | 49.1 | 8 | 246 | 49.1 |
| 187.facerec | 8 | 132 | 134 | 8 | 132 | 134 |
| 188.amp | 8 | 132 | 155 | 8 | 132 | 155 |
| 189.lucas | 8 | 308 | 60.3 | 8 | 308 | 60.3 |
| 191.fma3d | 8 | 284 | 68.6 | 8 | 284 | 68.6 |
| 200.sixtrack | 8 | 110 | 92.9 | 8 | 110 | 92.9 |
| 301.apsi | 8 | 228 | 106 | 8 | 228 | 106 |

Hardware

CPU: Intel Xeon processor X5355 (2.66 GHz, 2x4MB L2, 1333 MHz system bus)
CPU MHz: 2666
FPU: Integrated
CPU(s) enabled: 8 cores, 2 chips, 4 cores/chip
CPU(s) orderable: 1,2 chips
Parallel: No
Primary Cache: 32KB(I) + 32KB(D) on chip, per core
Secondary Cache: 8MB(I+D) on chip, per chip (4MB shared per 2 cores)
L3 Cache: N/A
Other Cache: N/A
Memory: 8x1GB DDR2-RAM PC2-5300F (CAS 5-5-5)
Disk Subsystem: Seagate ST336754SS (SAS, 15.4krpm, 36GB)
Other Hardware: none

Software

Operating System: 64-Bit SUSE LINUX Enterprise Server 10
Kernel 2.6.16.21-0.8-smp on an x86_64
Compiler: Intel C++ and Fortran Compiler 9.1 for EM64T
Build 20060816 (for 64-bit applications)
File System: ext2
System State: Multi-user runlevel 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 1333 MHz

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

BIOS Configuration:

Adjacent Sector Prefetch = disable

The PRIMERGY RX300 S3 and the PRIMERGY TX300 S3 are electronically equivalent.

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