# CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

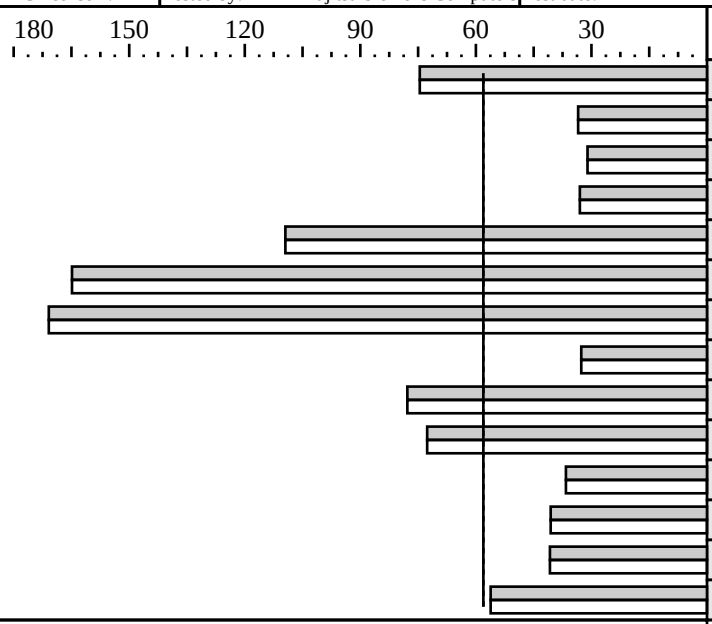
## Fujitsu Siemens Computers

PRIMERGY RX300 S3, Intel Xeon processor E5345, 2.33 GHz

SPECfp_rate2000 = 58.1

SPECfp_rate_base2000 = 58.1

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 | 4 | 99.6 | 74.6 | 4 | 99.6 | 74.6 |
| 171.swim | 4 | 430 | 33.5 | 4 | 430 | 33.5 |
| 172.mgrid | 4 | 269 | 31.0 | 4 | 269 | 31.0 |
| 173.applu | 4 | 295 | 33.0 | 4 | 295 | 33.0 |
| 177.mesa | 4 | 59.3 | 109 | 4 | 59.3 | 109 |
| 178.galgel | 4 | 81.6 | 165 | 4 | 81.6 | 165 |
| 179.art | 4 | 70.6 | 171 | 4 | 70.6 | 171 |
| 183.equake | 4 | 185 | 32.6 | 4 | 185 | 32.6 |
| 187.facerec | 4 | 113 | 77.8 | 4 | 113 | 77.8 |
| 188.ammp | 4 | 141 | 72.6 | 4 | 141 | 72.6 |
| 189.lucas | 4 | 253 | 36.6 | 4 | 253 | 36.6 |
| 191.fma3d | 4 | 240 | 40.6 | 4 | 240 | 40.6 |
| 200.sixtrack | 4 | 125 | 40.8 | 4 | 125 | 40.8 |
| 301.apsi | 4 | 215 | 56.2 | 4 | 215 | 56.2 |

### Hardware

| | |
|---|---|
| CPU: | Intel Xeon processor E5345 (2.33 GHz, 2x4MB L2, 1333 MHz system bus) |
| CPU MHz: | 2333 |
| FPU: | Integrated |
| CPU(s) enabled: | 4 cores, 1 chip, 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<br>Kernel 2.6.16.21-0.8-smp on an x86_64 |
| Compiler: | Intel C++ and Fortran Compiler 9.1 for EM64T<br>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)
```

Copyright ©1999-2005, Standard Performance Evaluation Corporation



## 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.

For information about Fujitsu Siemens Computers in your country please see:
http://www.fujitsu-siemens.com/countries