# CFP2000 Result

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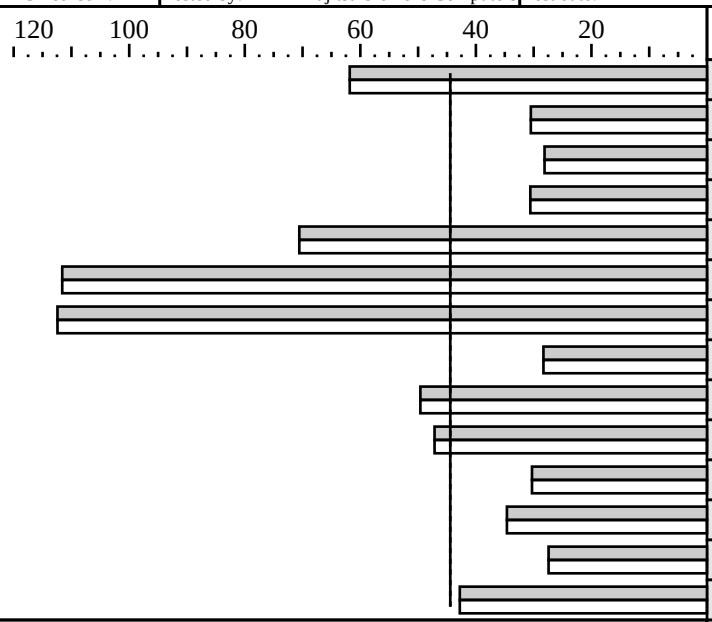
## Fujitsu Siemens Computers

PRIMERGY RX300 S3, Intel Xeon 5050 processor, 3.0 GHz

SPECfp_rate2000 = 44.4

SPECfp_rate_base2000 = 44.4

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




| Benchmark | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|---|---|---|---|---|---|---|
| 168.wupwise | 4 | 120 | 61.8 | 4 | 120 | 61.8 |
| 171.swim | 4 | 472 | 30.5 | 4 | 472 | 30.5 |
| 172.mgrid | 4 | 297 | 28.1 | 4 | 297 | 28.1 |
| 173.applu | 4 | 319 | 30.6 | 4 | 319 | 30.6 |
| 177.mesa | 4 | 92.1 | 70.6 | 4 | 92.1 | 70.6 |
| 178.galgel | 4 | 121 | 112 | 4 | 121 | 112 |
| 179.art | 4 | 107 | 112 | 4 | 107 | 112 |
| 183.equake | 4 | 213 | 28.3 | 4 | 213 | 28.3 |
| 187.facerec | 4 | 178 | 49.6 | 4 | 178 | 49.6 |
| 188.ammp | 4 | 216 | 47.2 | 4 | 216 | 47.2 |
| 189.lucas | 4 | 306 | 30.3 | 4 | 306 | 30.3 |
| 191.fma3d | 4 | 281 | 34.6 | 4 | 281 | 34.6 |
| 200.sixtrack | 4 | 186 | 27.4 | 4 | 186 | 27.4 |
| 301.apsi | 4 | 282 | 42.8 | 4 | 282 | 42.8 |

### Hardware

| | |
|---|---|
| CPU: | Intel Xeon 5050 processor (3.0 GHz, 2x2MB L2, 667 MHz system bus) |
| CPU MHz: | 3000 |
| FPU: | Integrated |
| CPU(s) enabled: | 4 cores, 2 chips, 2 cores/chip (Hyper-Threading Technology disabled) |
| CPU(s) orderable: | 1,2 |
| 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: | 8x1GB DDRII-RAM PC2-4200F (CAS 4-4-4) |
| Disk Subsystem: | Seagate ST336754SS (SAS, 15.4krpm, 36GB) |
| Other Hardware: | none |

### Software

| | |
|---|---|
| Operating System: | 64-Bit SUSE LINUX Enterprise Server 9 with SP3 Kernel 2.6.5-7.244-smp on 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 667 MHz

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

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