# CFP2000 Result

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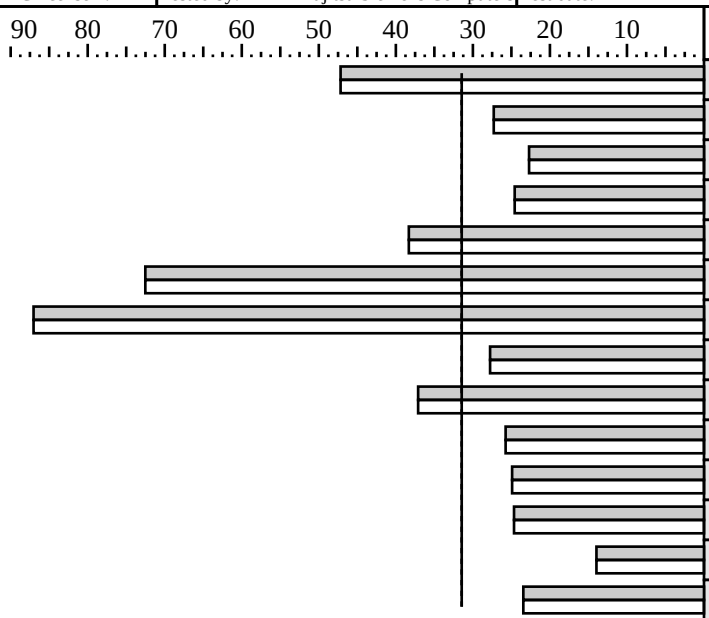
## Fujitsu Siemens Computers

PRIMERGY RX200 S3, Intel Xeon 5110 processor, 1.60 GHz

SPECfp_rate2000 = 31.5

SPECfp_rate_base2000 = 31.5

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




| Benchmark | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|---|---|---|---|---|---|---|
| 168.wupwise | 2 | 78.7 | 47.2 | 2 | 78.7 | 47.2 |
| 171.swim | 2 | 264 | 27.3 | 2 | 264 | 27.3 |
| 172.mgrid | 2 | 184 | 22.7 | 2 | 184 | 22.7 |
| 173.applu | 2 | 198 | 24.6 | 2 | 198 | 24.6 |
| 177.mesa | 2 | 84.8 | 38.3 | 2 | 84.8 | 38.3 |
| 178.galgel | 2 | 92.8 | 72.5 | 2 | 92.8 | 72.5 |
| 179.art | 2 | 69.3 | 87.0 | 2 | 69.3 | 87.0 |
| 183.equake | 2 | 109 | 27.8 | 2 | 109 | 27.8 |
| 187.facerec | 2 | 119 | 37.1 | 2 | 119 | 37.1 |
| 188.ammp | 2 | 198 | 25.8 | 2 | 198 | 25.8 |
| 189.lucas | 2 | 186 | 24.9 | 2 | 186 | 24.9 |
| 191.fma3d | 2 | 198 | 24.7 | 2 | 198 | 24.7 |
| 200.sixtrack | 2 | 183 | 14.0 | 2 | 183 | 14.0 |
| 301.apsi | 2 | 257 | 23.5 | 2 | 257 | 23.5 |

### Hardware

| | |
|---|---|
| CPU: | Intel Xeon 5110 processor (1.60 GHz, 4MB L2, 1066 MHz system bus) |
| CPU MHz: | 1600 |
| FPU: | Integrated |
| CPU(s) enabled: | 2 cores, 1 chip, 2 cores/chip |
| CPU(s) orderable: | 1,2 |
| Parallel: | No |
| Primary Cache: | 32KBI + 32KBD on chip, per core |
| Secondary Cache: | 4096KB(I+D) on chip, shared |
| 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 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 1066 MHz

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

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