# CFP2000 Result

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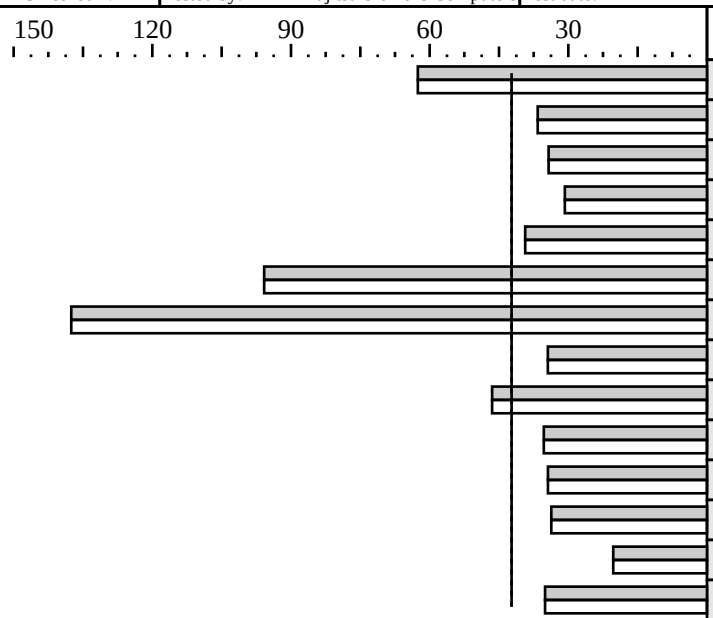
## Fujitsu Siemens Computers

PRIMERGY RX600 S3, Intel Xeon processor 7140M, 3.40 GHz

SPECfp_rate2000 = 42.3

SPECfp_rate_base2000 = 42.3

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




| Benchmark | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|---|---|---|---|---|---|---|
| 168.wupwise | 4 | 119 | 62.6 | 4 | 119 | 62.6 |
| 171.swim | 4 | 393 | 36.6 | 4 | 393 | 36.6 |
| 172.mgrid | 4 | 244 | 34.3 | 4 | 244 | 34.3 |
| 173.applu | 4 | 317 | 30.8 | 4 | 317 | 30.8 |
| 177.mesa | 4 | 165 | 39.3 | 4 | 165 | 39.3 |
| 178.galgel | 4 | 140 | 95.8 | 4 | 140 | 95.8 |
| 179.art | 4 | 87.7 | 138 | 4 | 87.7 | 138 |
| 183.equake | 4 | 175 | 34.4 | 4 | 175 | 34.4 |
| 187.facerec | 4 | 190 | 46.5 | 4 | 190 | 46.5 |
| 188.ammp | 4 | 289 | 35.3 | 4 | 289 | 35.3 |
| 189.lucas | 4 | 270 | 34.4 | 4 | 270 | 34.4 |
| 191.fma3d | 4 | 289 | 33.7 | 4 | 289 | 33.7 |
| 200.sixtrack | 4 | 252 | 20.3 | 4 | 252 | 20.3 |
| 301.apsi | 4 | 344 | 35.0 | 4 | 344 | 35.0 |

### Hardware

| | |
|---|---|
| CPU: | Intel Xeon processor 7140M (3.40 GHz, 2x1MB L2, 16MB L3, 800 MHz system bus) |
| CPU MHz: | 3400 |
| FPU: | Integrated |
| CPU(s) enabled: | 2 cores, 1 chip, 2 cores/chip (Hyper-Threading Technology enabled) |
| CPU(s) orderable: | 1,2,4 chips |
| Parallel: | No |
| Primary Cache: | 12k micro-ops(I) + 16KB(D) on chip, per core |
| Secondary Cache: | 1024KB(I+D) on chip, per core |
| L3 Cache: | 16MB on chip, per chip |
| Other Cache: | N/A |
| Memory: | 16x1GB DDRII-RAM PC2-3200R (CAS 3-3-3) |
| Disk Subsystem: | Fujitsu MAS3367NC (SCSI, 15krpm, 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 800 MHz

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

This result was measured on the PRIMERGY TX600 S3. The PRIMERGY TX600 S3 and the PRIMERGY RX600 S3 are electronically equivalent.

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