# CFP2000 Result

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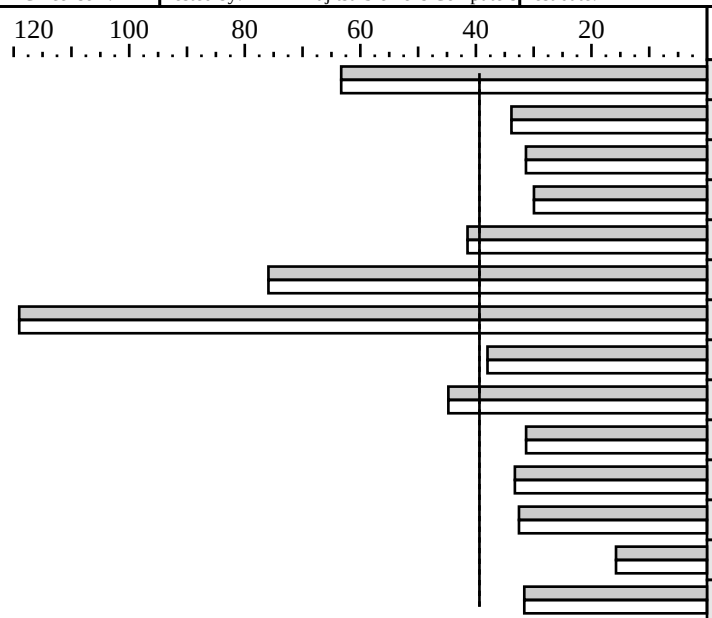
## Fujitsu Siemens Computers

PRIMERGY Econel100, Intel Pentium D processor 945, 3.40 GHz

SPECfp_rate2000 = 39.4

SPECfp_rate_base2000 = 39.4

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




| Benchmark | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|---|---|---|---|---|---|---|
| 168.wupwise | 2 | 58.6 | 63.3 | 2 | 58.6 | 63.3 |
| 171.swim | 2 | 212 | 33.8 | 2 | 212 | 33.8 |
| 172.mgrid | 2 | 133 | 31.3 | 2 | 133 | 31.3 |
| 173.applu | 2 | 163 | 30.0 | 2 | 163 | 30.0 |
| 177.mesa | 2 | 78.4 | 41.4 | 2 | 78.4 | 41.4 |
| 178.galgel | 2 | 88.6 | 75.9 | 2 | 88.6 | 75.9 |
| 179.art | 2 | 50.7 | 119 | 2 | 50.7 | 119 |
| 183.equake | 2 | 79.4 | 38.0 | 2 | 79.4 | 38.0 |
| 187.facerec | 2 | 98.5 | 44.8 | 2 | 98.5 | 44.8 |
| 188.ammp | 2 | 163 | 31.3 | 2 | 163 | 31.3 |
| 189.lucas | 2 | 140 | 33.3 | 2 | 140 | 33.3 |
| 191.fma3d | 2 | 150 | 32.5 | 2 | 150 | 32.5 |
| 200.sixtrack | 2 | 162 | 15.7 | 2 | 162 | 15.7 |
| 301.apsi | 2 | 191 | 31.6 | 2 | 191 | 31.6 |

### Hardware

| | |
|---|---|
| CPU: | Intel Pentium D processor 945 (3.40 GHz, 2x2MB L2, 800 MHz system bus) |
| CPU MHz: | 3400 |
| FPU: | Integrated |
| CPU(s) enabled: | 2 cores, 1 chip, 2 cores/chip |
| CPU(s) orderable: | 1 |
| Parallel: | No |
| Primary Cache: | 12k micro-ops(I) + 16KB(D) on chip, per core |
| Secondary Cache: | 2048KB(I+D) on chip, per core |
| L3 Cache: | N/A |
| Other Cache: | N/A |
| Memory: | 4x2048 MB DDRII-RAM PC2-4200E (CAS 4-4-4) |
| Disk Subsystem: | Samsung SP2504C (SATA, 7.2krpm, 250GB) |
| 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.

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