### CFP2000 Result

**Fujitsu Siemens Computers**

PRIMERGY TX300 S3, Intel Xeon processor E5310, 1.60 GHz

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

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<th>Base Ratio</th>
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</table>

**Hardware**

- CPU: Intel Xeon processor E5310 (1.60 GHz, 2x4MB L2, 1066 MHz system bus)
- CPU MHz: 1600
- FPU: Integrated
- CPU(s) enabled: 8 cores, 2 chips, 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 PC2-4200F (CAS 4-4-4)
- Disk Subsystem: Seagate ST336754SS (SAS, 15.4krpm, 36GB)
- Other Hardware: none

**Software**

- Operating System: 64-Bit SUSE LINUX Enterprise Server 10
- Compiler: Intel C++ and Fortran Compiler 9.1 for EM64T 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)
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**SPECfp_rate2000** = 75.4
**SPECfp_rate_base2000** = 75.4

**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.

BIOS Configuration:
Adjacent Sector Prefetch = disable, Hardware Prefetch = disable

This result was measured on the PRIMERGY RX300 S3. The PRIMERGY TX300 S3 and the PRIMERGY RX300 S3 are electronically equivalent.

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